



# GENERAL CATALOGUE

**MADE  
FOR  
WORK.**

 **UNIOR®**  
HAND TOOLS

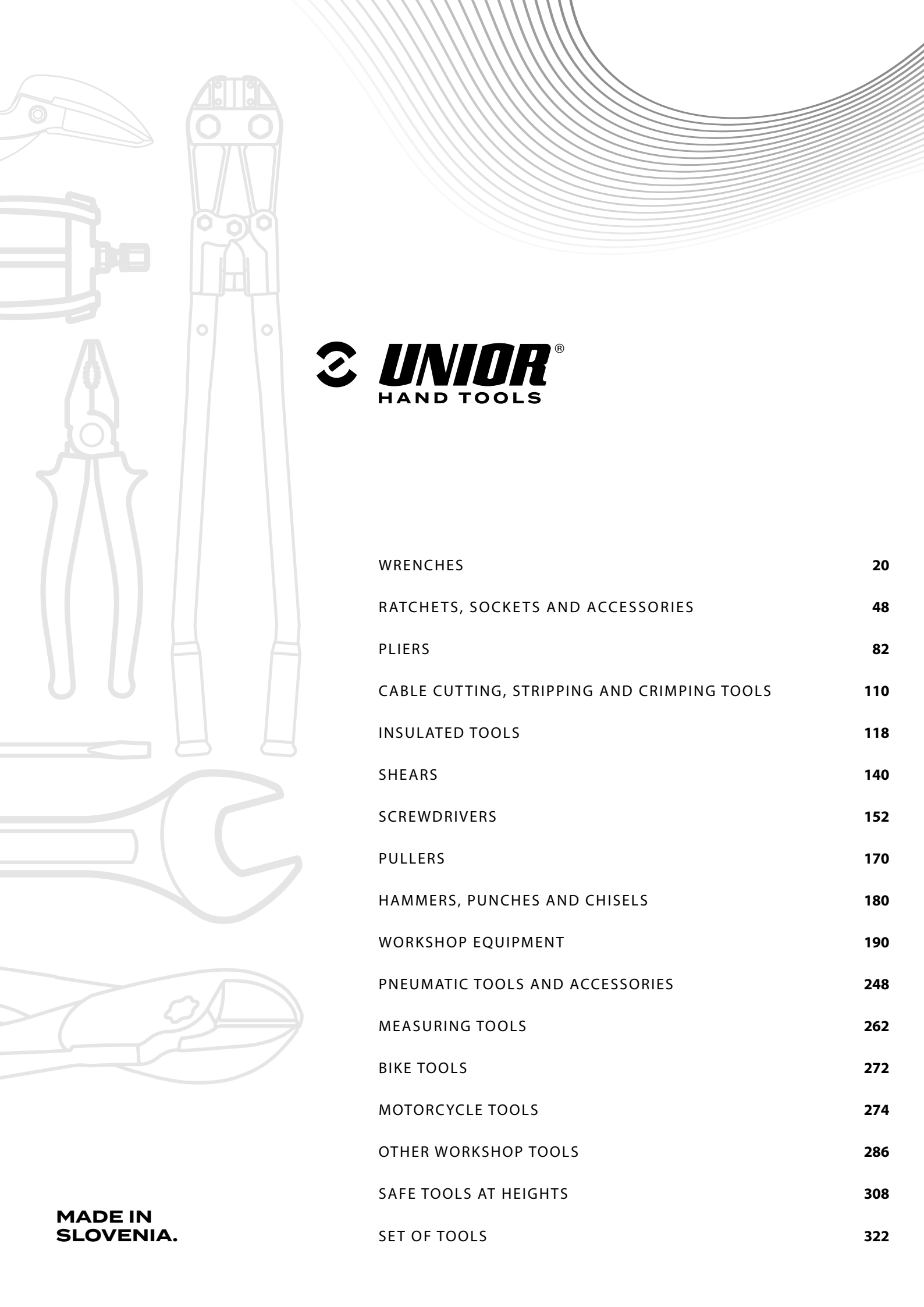
INTRODUCTION PAGES OF COMPANY UNIOR	2 - 17
LEGEND OF PACKAGING	18
LEGEND OF SYMBOLS	19
HAND TOOLS CATALOGUE	20 - 351
CODE INDEX	352
PRODUCT NUMBER INDEX	360
ALPHABETIC INDEX	364



**WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.**

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.



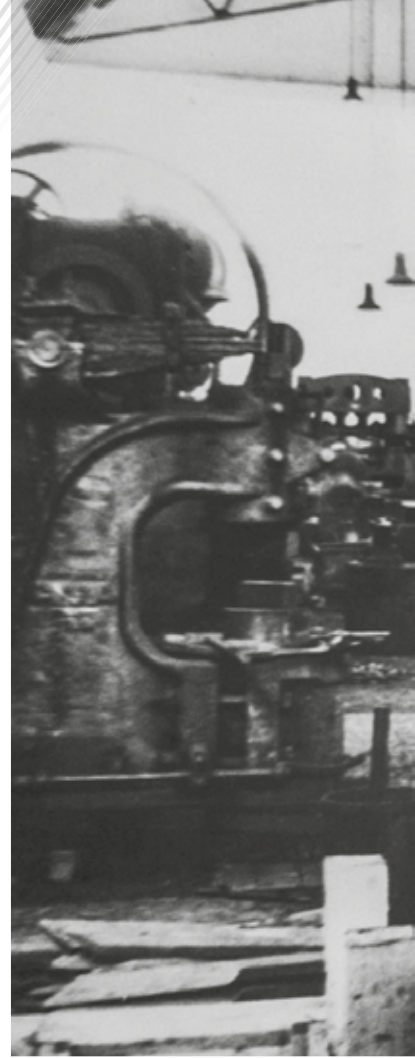


WRENCHES	20
RATCHETS, SOCKETS AND ACCESSORIES	48
PLIERS	82
CABLE CUTTING, STRIPPING AND CRIMPING TOOLS	110
INSULATED TOOLS	118
SHEARS	140
SCREWDRIVERS	152
PULLERS	170
HAMMERS, PUNCHES AND CHISELS	180
WORKSHOP EQUIPMENT	190
PNEUMATIC TOOLS AND ACCESSORIES	248
MEASURING TOOLS	262
BIKE TOOLS	272
MOTORCYCLE TOOLS	274
OTHER WORKSHOP TOOLS	286
SAFE TOOLS AT HEIGHTS	308
SET OF TOOLS	322

**MADE IN  
SLOVENIA.**

# A CENTURY OF EXPERIENCE FOR THE NEW MILLENNIUM.

For centuries, we have been proud of our long-standing traditions and international reputation as a development partner in the production, transformation and processing of metals. Certainly, our strengths include the combining and cooperation of different departments, as this enriches what we offer and bolsters our competitiveness, paving the way for entering tough foreign markets.



1 9 1 9

*"We are proud of our long tradition and international reputation!"*

Many years of tradition, reliable and professionally trained employees, expert knowledge, state-of-the-art technological solutions, high-quality products and services, social responsibility and a modern marketing approach are features that provide us with a wide-ranging sales network with which we carefully work to cultivate the satisfaction and loyalty of the public.

We are trusted by the most respected players in the automotive industry, professional and amateur craftsmen, buyers of CNC machines, as well as many domestic and foreign users of Unior products. All have been won over by our professionalism, quality and reliability.





# WE GIVE QUALITY A NAME!

*"The tradition of the past for the sustainable development of products for the future."*

Development based on rich tradition is our mission. Only in this way will we be able to continue to develop in harmony with nature, the environment and society into a successful international company that connects us and guarantees a better future for all of us.

The tradition of the first iron works and larger forges from the Pohorje area in Slovenia still lives on in people's minds, but today they master the latest metal processing procedures. The experience of designing handy tools for agriculture, forestry and various trades is written in the character of the company, which today develops innovative and ergonomic solutions for many users of hand tools. The pride that was aroused decades ago by the first partnerships with prominent European car companies is embedded in every European car in the form of at least one piece created in Zreče.

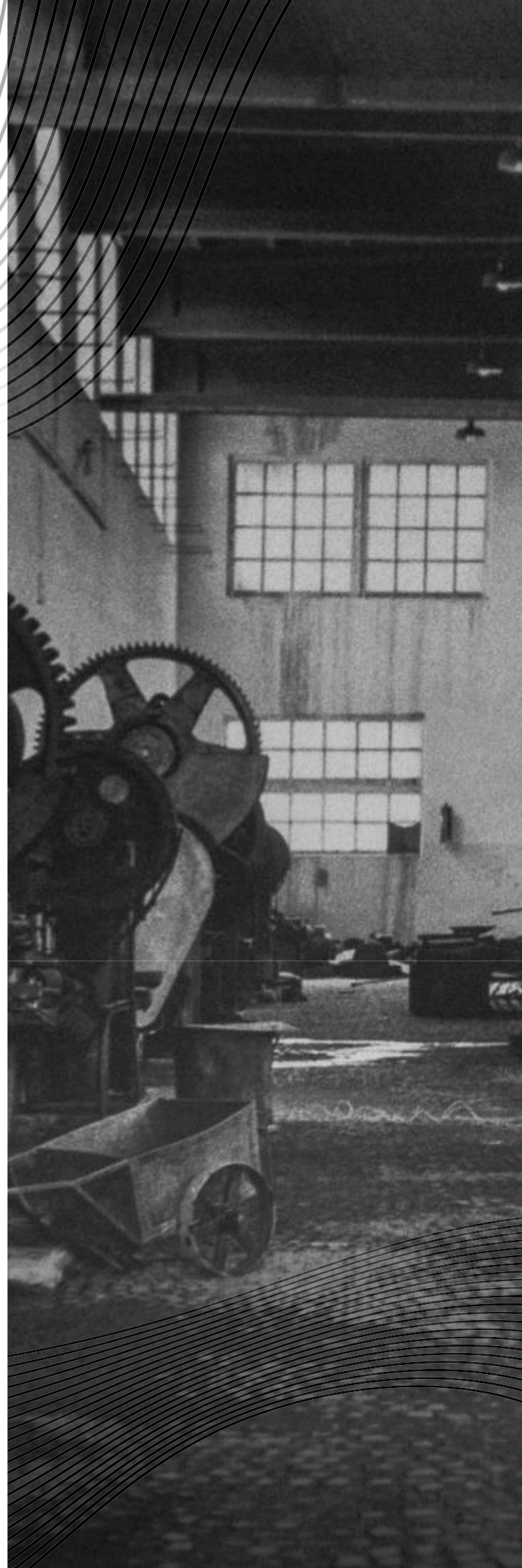




*"Unior – a global  
brand of hand tools!"*

## **WE RESPECT A RICH HERITAGE.**

The excellence of the programmes and companies of today's Unior Group stems from respect for the heritage of the Pohorje ironworks from the 18th century. A Styrian iron industrial company with limited connection, founded in 1919, the post-war Forged Tool Factory of Zreče, and finally Unior, which has been operating as a joint stock company since 1997, has grown with a network of companies across Europe, the USA and Asia into an important international group that combines centuries-old Slovenian blacksmith and toolmaking culture with state-of-the-art metalworking approaches. It has the advantage of combining the development of its own solutions in the field of own-brand hand tools with the biggest developmental achievements and challenges in the field of machine manufacture and metal forging.









# WE ARE GUIDED BY INNOVATION.

We strive to ensure that our products have a long service life and that we use materials that are easier on the environment, lighter and more energy efficient. With the construction of hand tools, we take into account the optimal use of materials. We strive for the development of smart tools for rapid servicing, containing electrical, mechatronic and electronic components.

**Product development is oriented towards sustainability.** It is based on the development of partnerships, on knowledge and on innovation, leading to improved business performance for our customers.

In the future we will focus on the **growth of specialist programmes** for cycling tools, metal packaging and tools for high-voltage work.

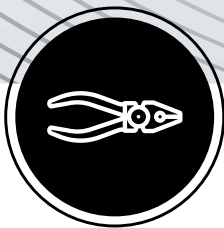
In the field of **renewable energy sources** (solar power plants, wind farms), we are a reliable supplier of tools for high-voltage work. Our advantage is that the tools are tailored to work at height, where we follow European regulations to make safe, reliable and efficient work possible for the user.

In the field of general hand tools, we are looking to grow in the sectors of pullers and pliers, as the market specialises in this field. In cold forging, we specialise in beams, rotors and stators that are installed in hydraulic motors.



# A GLIMPSE INTO THE FUTURE ...

- › Maintain its position among the top five manufacturers of general hand tools in Europe.
- › To be the world's leading manufacturer of cycling tools and supplier of many bicycle repair shops.
- › To be the leading LMS provider in Europe for industry.
- › To be an employment provider, committed to sustainable development and caring for all the stakeholders with whom we do business.



## HAND TOOLS

### Quality brand

For the development of hand tools at Unior, we always take into account the requirements and expectations of our customers and build long-term cooperative partnerships with them. Our products are manufactured from recyclable materials that are safe for the user and have a long service life. At the same time, they are lighter, easier on the environment and more energy efficient.



## FORGING

### We are trusted by the most reputable brands

With the forging of steel and machining come the creation of steering mechanisms and gearboxes, chassis supports, jigs, driveshaft elements and forgings for vehicles of the most distinguished European and world brands such as VW, BMW, Audi, Mercedes and Renault.



## MACHINE TOOLS

### Automated treatment of metal

Unior hardware provides comprehensive solutions from concept to final product. In addition to dedicated CNC processing machines for batch machining of aluminium castings and forgings, Unior offers flexible production cells, deep drilling machines, processing of parts and bodywork treatments, turntables, as well as specially customised machines. Unior is also a supplier of machines for renowned automotive manufacturers such as VW, BMW, Audi, Daimler and others.

# UNIOR HAND TOOLS

*"For decades now,  
the very best partner for  
professional and domestic  
hand tool users!"*

As part of its hand tools programme, Unior annually produces **more than 100 million** tools and sheet metal storage, which are sold in **120 markets**.

With the help of state-of-the-art technology, the tools are developed by a team of experienced specialists in individual areas, and when developing hand tools, we always keep the needs of users in mind. We are committed to the continual improvement of materials, finding ergonomic solutions, taking into account all safety aspects and finding functional solutions in accordance with the latest standards and trends on the international market. Originality and improvements provide excellent usable value, more comfort and better safety at work. With these processes, Unior has shown for decades that it is the best partner for all professional hand tool users.

It is for this reason that every year we place more and more labels on our products, as well as on the packaging, so that customers get the most reliable information. When designing a product, we focus on user safety, which is why Unior products are designed in such a way to lessen the physical effort used in the performance of the work and to completely focus on the purpose of the work.







» **COST-EFFICIENCY** is ensured by the longer service life of Unior hand tools, which is the result of excellent design and quality production.

» **THE OPTIMAL CONSTRUCTION OF UNIOR TOOLS** ensures long-term durability, which leads to an uninterrupted work process.

» **THE ERGONOMIC DESIGN OF UNIOR TOOLS** ensures reduced physical effort while performing work.

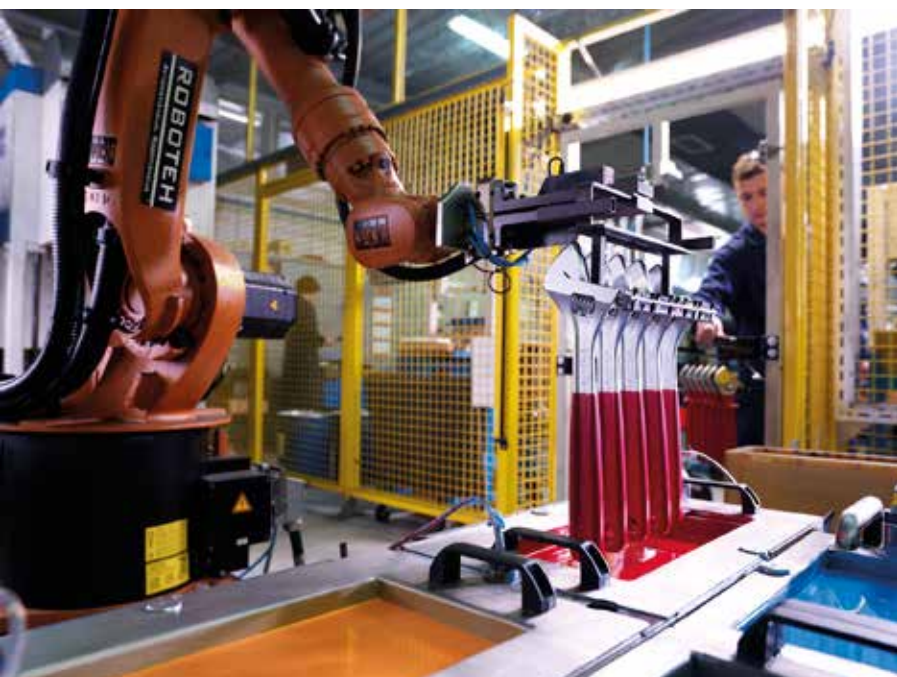
» **THE FUNCTIONALITY OF UNIOR TOOLS** is expressed through time efficiency in the performance of work.

» **THE DEVELOPMENT OF TOOLS** with added value ensures greater user productivity.

» **THE SUPREMACY OF UNIOR TOOLS** is reflected in a complete orientation towards the purpose of the work. No slips or injuries occur.

» **A DEVELOPMENT PARTNERSHIP** to solve specific problems by developing custom tools at the user's request.

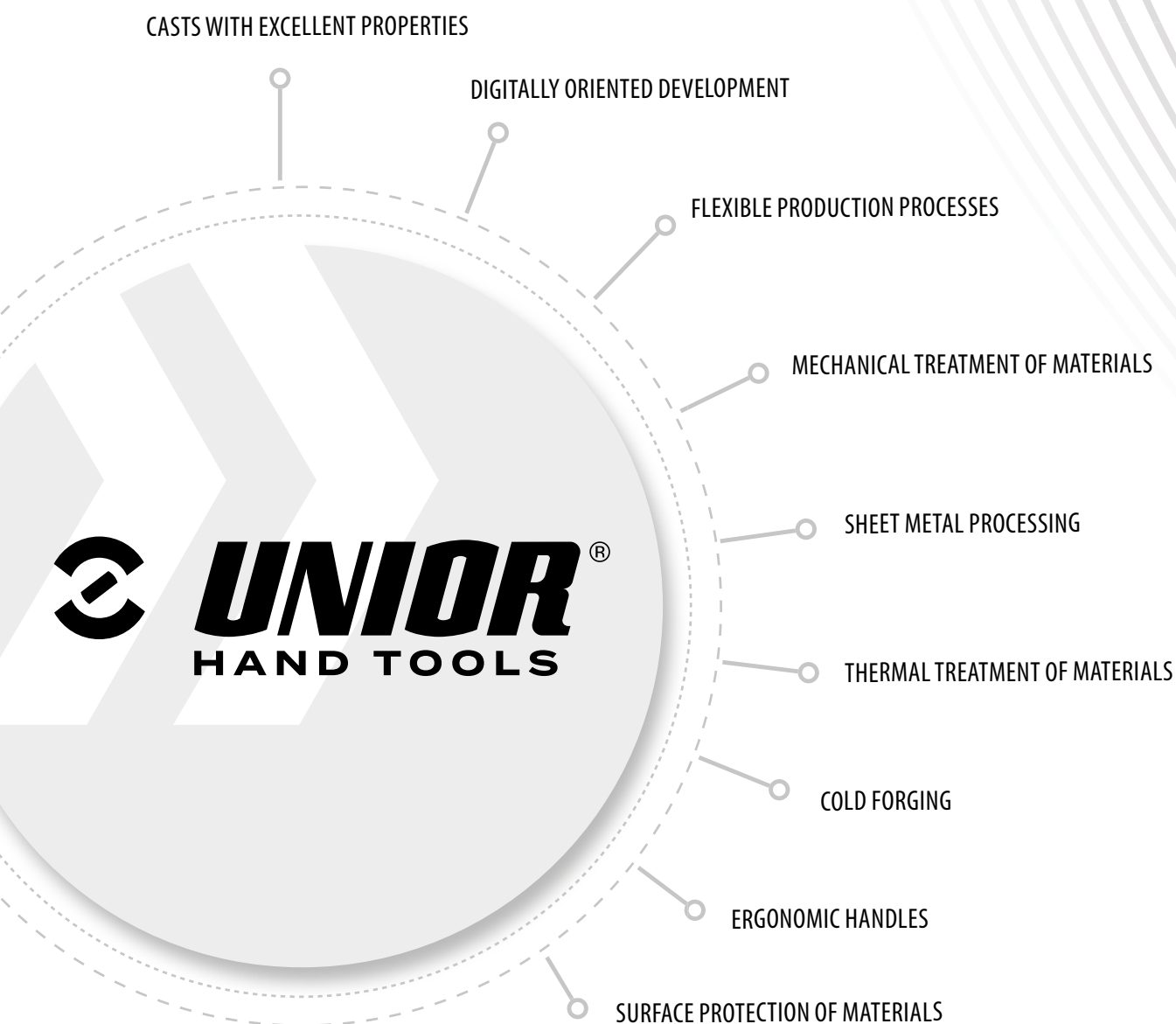
» **THE FLEXIBILITY** and control of Unior's processes is reflected in the rapid responsiveness to the customer.



# COMPLETE DEVELOPMENT CYCLE

With a comprehensive multidisciplinary development-oriented approach, Unior successfully meets the high expectations of users of its products. By taking into account the purpose, ergonomics, safety, quality and aesthetics, our solutions adapt to all customer needs.

With the ownership of a steelworks, our own forge, constantly investing in our own development, upgrading production processes and checking quality in all phases from materials to final checks, we ensure that Unior products are truly of the highest quality.



*Products entirely designed and manufactured in Europe!*

# QUALITY AND SAFETY MARK



Unior is a reliable partner. It operates according to the EFQM business excellence model and has certificates for its products that prove our standards of quality and safety. We fulfil customer requirements and orders with up-to-date logistics. With an appropriately protected brand, with our own representative offices and with a diversified network of distributors, we provide comprehensive user information and quality after-sales services.

Our brand is protected in more than 80 countries, and the quality of the tools meets demanding global and European standards.

The high quality of products from Unior is founded on carefully planned, managed and verified processes. We operate in accordance with certified systems and international standards ISO 9001 and ISO/TS 16949 VDA 6.4. ISO 14001. Unior was one of the first manufacturers of hand tools in Europe to receive ISO 9001 quality certification for the development, production and marketing of hand tools, sheet metal storage for hand tools, and for machine forging. The tools comply with the DIN standard, as evidenced by the GS certificate. The live work tools boast a VDE certificate. The hand tools programme operates according to the EFQM business excellence model. The forgings programme meets the standards of the automotive industry VDA 6.1, QS 9000 and IATF 16949. As early as 2004, the machine manufacturing programme was the proud recipient of the VW Mexico award for best supplier of custom machines.

In addition, the Unior Hand Tools Programme is officially certified as a European manufacturer of hand tools, as we have obtained the European Brand Quality Certificate.



*"Unior hand tools are accessible to users on all continents of the world."*



# GUIDED BY A PARTNERSHIP WITH REAL CRAFTSMEN

Who can rely on expert demonstrations of the use of tools for specific needs, trading partners to whom Unior offers improved solutions for sales outlets and, last but not least, athletes, who achieve their goals with perfectly maintained bicycles, motorbikes and cars.

With a thorough knowledge of international standards and trends, Unior constantly develops innovations for the needs of professional users. With original solutions, it provides them with excellent functional characteristics, with ergonomics giving more comfort at work, all the while complying with the demanding high safety standards at work.

Users can learn about innovations that enable faster and simpler work through video presentations showing correct usage and instructions for safe use, which complement the entire hand tool programme on the website **[www.uniortools.com](http://www.uniortools.com)**.

Users can also get to know and test out the tools with the help of a special demonstration vehicle. With specialised tool catalogues for bicycle, automotive, electrician, motorcycle, industrial and other individual user groups, Unior brings its tools closer to various professional areas.

## WE CARE FOR THE COMMUNITY

Unior, with its three programmes, is considered one of the largest employers in the region. We demonstrate our responsibility to people not only by respecting social dialogue and fulfilling the rights of employees, but also by carefully ensuring safety and health at work according to the requirements of the OHSAS 18001 standard and through additional programmes that raise the quality of people's lives.

The company is certified as a Family Friendly Enterprise, which is affiliated with the European work & family audit licence.

*The reputation of the Unior brand is co-created by professional craftsmen.*





Special attention is also paid to those with disabilities. Unior received a special award in 2017 from the Slovenian Ministry of Labour, Family, Social Affairs and Equal Opportunities for good practice in the employment of persons with disabilities.

*"We strive to balance employees' professional and private lives and to raise their levels of satisfaction."*



# CARING FOR FUTURE GENERATIONS BY REDUCING OUR CARBON FOOTPRINT

Unior is a global company, so we are aware that a strategic approach to sustainable development is vital, both for today and for the future.

*"As much as 70% of purchased material comes from Slovenian suppliers!"*



The objectives of all our processes are aimed at reducing negative impacts and increasing positive impacts on the environment, society and people, both inside and outside the company. The Unior Group follows a strategy of environmental protection, waste management, use of materials and resources, innovation of basic production processes, care for employees, awareness of customers, work with suppliers and active participation and contribution to economic development.

At Unior, we also transfer our management systems to our suppliers. About 70% of our purchased materials are bought from local or Slovenian suppliers, while at the same time we develop and strengthen lasting partnerships with our customers, founded on a mutual and equal relationship.

Through the entire supply chain of raw materials – Unior-Customer we strive to reduce our carbon footprint. An important part of our competitiveness in the global market is our drive for low-carbon operation, as we develop new models and solutions that reduce the impact on the environment and enable "green business". Only in this way can we guarantee long-term operation in accordance with the requirements of the ISO 14001 and ISO 50001 standards.

## **E-MOBILITY TO PROMOTE SPECIALISED TOOL DEVELOPMENT**

E-mobility is a concept based on green energy, reducing carbon footprint and the emissions of particulate matter in transport. Today's society is increasingly striving for efficient use of energy, which would result in reducing carbon footprint, and which is why Unior is increasingly developing purpose-made tools for the repair and maintenance of e-bikes, personal electric vehicles, electric trains,

*"The future lies in the custom production of tools."*

electric motors and electrical heavy machinery. We also produce tools for the installation and maintenance of the electrical charging station infrastructure, while developing dedicated tools for the repair and maintenance of renewable energy equipment. We also offer tools for working at height, which are attached to the user for safe work when repairing wind turbines and solar panels.



## **ROBOTICS TO ACHIEVE SUSTAINABLE DEVELOPMENT**

Robotics is a major contributor to our strategy for achieving sustainable development. As such, in the future we will test the ergonomics of a tool with a 3D printer, raise the usage level of key machines, optimise the flow of production, reduce time between phases, and optimise internal transportation.

## **DIGITALISATION FOR AN EASIER FUTURE**

At Unior we have set ourselves high goals, which we will achieve with a carefully planned strategy and strategic goals. In the coming years we intend to carry out planned investments for increasing capacity and for the more cost-effective production of hand tools, digitalisation of production and business processes, optimisation of logistics processes in the programme, increasing productivity through automation, increasing the level of specialisation by plant, and improving efficiency in production processes by reducing flow times.

## Premium

### Premium chrome vanadium steel

#### Reliability without wear and tear

When it comes to tools, such as spanners and pipe pliers, for example, which need to withstand high loads, properties such as high tensile strength, the corresponding ductility of the material with higher elasticity and the lowest possible susceptibility to cracking are of particular importance. These requirements are particularly well met by Premium chrome/vanadium steel, an alloyed tool steel with manganese, chrome, silicon and carbon. Tools made from this steel have a long service life and are an excellent choice for many years of use.

#### Alloyed tool steel 31CrV3, in accordance with EU directive 2000/53/EC

- 0.60% manganese for higher tensile strength and ductility
- 0.60% chrome for lower susceptibility to cracking and higher tensile strength
- 0.30% silicon for higher elasticity
- 0.35% carbon for appropriate tool hardness

Wrenches and pipe wrenches made of chrome/vanadium steel with added alloyed elements for even better properties have a particular ergonomic shape, are safe to use and are now also characterised by even higher resistance to wear.

## Premium Flex

### Premium Flex chrome vanadium steel

#### Excellence that can withstand high torque

A lower susceptibility to cracking is particularly important for tools such as socket wrenches. Tool steel with a higher chrome and manganese content guarantees a higher tensile strength. An appropriate carbon content simultaneously ensures the corresponding hardness of the tool. Premium Flex chrome vanadium steel, an alloyed tool steel with manganese, chrome and carbon, allows for the redesign of tools that can withstand high torques.

#### Alloyed tool steel 25CrMo4, in accordance with EU directive 2000/53/EC

- 0.75% manganese for higher tensile strength and ductility
- 1.00% chrome for lower susceptibility to cracking and higher tensile strength
- 0.35% carbon for appropriate tool hardness

Tools made from high-quality chrome vanadium steel with a higher content of selected alloyed elements can now be even better adapted to specific uses, due to their suitability for high torques and their corresponding strength.

## Premium Hard

### Premium Hard chrome vanadium steel

#### Durability

Hand tools such as screwdrivers, the reliability, safety and long service life of which depend on the elasticity and at the same time the hardness of their shafts, are manufactured from specially alloyed tool steel, which makes it possible to achieve higher strength due to their higher content of selected elements. The molybdenum content of the tool steel Premium Hard chrome/vanadium steel results in their higher durability, tensile strength and ductility, while the increased silicon content ensures their higher elasticity and lower susceptibility to cracking. The appropriate hardness and resistance to wear are achieved with a corresponding carbon content.

#### Specially alloyed tool steel 73MoV52, according to EU directive 2000/53/EC

- 0.60% manganese for higher tensile strength and ductility
- 1.15% silicon for higher elasticity and lower susceptibility to cracking
- 0.70% carbon for appropriate hardness and resistance to wear

Cold-forged steel with high quality characteristics ensures that profiles now have an even longer-lasting strength, with shafts of extraordinary hardness.



## Premium +

### Premium Plus metal sheet

#### Outstanding mechanical properties

Tool trolleys and work benches made by Unior are designed to ensure that tools are easily accessible and can be effectively and safely stored. The tool trolleys and work benches are made from cold-rolled plate steel of high quality. Cold-rolled plate steel is characterised by smooth surfaces and improved strength tolerance. The high-quality steel plate and construction techniques such as optimal reinforcement of the parts subjected to the highest loads ensure higher stability.

## Premium

### Premium metal sheet

#### Keeping the accessibility of tools in mind

High-quality plate steel is the basic material used for shelving, boxes and other accessories used to store, access and effectively handle tools. Workshop equipment and similar products to ensure the easy accessibility of tools are stable, sturdy and durable. In addition to quality, they are also characterised by well-designed construction solutions that render them fit for purpose.



## Premium +

### Premium Plus carbon steel

#### For optimal grip and cutting strength

Steel with a medium carbon content is particularly suitable for pliers due to its incorporation of selected alloyed elements. Together with the hardness achieved through inductive tempering, this material property allows for extraordinary clamping strength. Pliers made of various improved steels have a suitable hardness and higher tensile strength, due to their higher carbon content. Manganese also contributes towards improvement, as it increases the ductility of the material. Silicon was used to improve the elasticity of the material, while chrome reduces its susceptibility to cracking.

#### Alloyed tool steel C45E, in accordance with EU Directive 2000/53/EC and the EN 10083-1 standards

- › 0,45% carbon for higher tensile strength and ductility
- › 0,70% manganese for higher tensile strength and ductility
- › 0,30% silicon for higher elasticity
- › 0,30% chrome for lower susceptibility to cracking and higher tensile strength

**Pliers with optimal, inductively hardened jaws are characterised by excellent clamping properties, an outstanding grip and flexible joints.**

#### Alloyed tool steel C60E, in accordance with EU Directive 2000/53/EC and the EN 10083-2 standards

- › 0,60% carbon for higher tensile strength and ductility
- › 0,70% manganese for higher tensile strength and ductility
- › 0,30% silicon for higher elasticity

**The design and manufacturing quality of high-quality steel pliers with special properties ensure efficient pinching off of hard wire.**

## Premium Flex +

### Premium Flex Plus carbon steel

#### Efficiency and durability under considerable crushing and deformation stress

Construction and trade steels have special properties that guarantee their appropriate hardness, ductility and elasticity, as is required for tools such as setters, hammers and screw clamps, which are exposed to great force during hammering and clamping. Steels with a medium carbon content that are used to make tools have a higher carbon content, resulting in better durability. A suitable manganese content increases the tensile strength and ductility of the material, which is particularly important under high load conditions. The chrome content reduces the susceptibility to cracking, while the silicon content increases the elasticity of tool materials subjected to strong forces.

#### Medium carbon steel C45R, according to EU directive 2000/53/EC and the EN 10083-2 standards

- › 0,45% carbon for higher tensile strength and better tempering
- › 0,70% manganese for higher tensile strength and ductility
- › 0,35% chrome for higher tensile strength and lower susceptibility to cracking
- › 0,20% silicon for higher elasticity

#### HAMMER

Steel with higher tensile strength reduces the possibility of new cracks forming on impact faces.

#### PULLER BODY

A steel tool with a high carbon content that can withstand high pull-off forces. High-quality material and well-designed manufacturing ensure strength and durability.

## Premium Hard +

### Premium Hard Plus carbon steel

#### Effortless cutting

In addition to carbon, manganese, silicon and chrome, this special carbon steel also contains vanadium, which considerably improves the pinching characteristics of the tool by increasing its carbide hardness. Pincers made from this steel prove their excellent efficiency, even when used on the hardest of wires. The high carbon content results in both a higher tensile strength of the material and in increased durability. Improvements made subsequent to the inductive forging process lead to extraordinarily high jaw hardness.

#### Special carbon steel, in accordance with EU Directive 2000/53/EC and the EN 10058 standards

- › 0,80% carbon for higher tensile strength and durability
- › 0,70% manganese for higher tensile strength and ductility
- › 0,30% silicon for higher elasticity
- › 0,25% chrome for higher tensile strength and lower susceptibility to cracking

#### SHARK CUTTER

These strong cutters made from high-quality material with a special composition have extremely flexible joints; their most notable characteristic is the ability to pinch through even the hardest wires. They are characterised by extraordinary strength.

## QualiCoat

### Qualicoat

#### Compatible with humans and the environment

Unior products are protected against corrosion. High-quality ecological epoxy paints have been applied using powder coating. These paints are environmentally compatible, contain no heavy metals and can be safely used by humans, as confirmed by their accreditation by the International Institute for Public Health. The paint is applied to a thickness of 90 microns, thus ensuring excellent mechanical characteristics and extraordinary resistance to the effects of weather.



# Packaging

**A**

## Small cardboard card

The tool is attached to a cardboard card. Packaged in quantities of four pieces in a laminated folding transport box.



**B**

## Small cardboard card with plastic attachment

The tool is attached to a cardboard card with a plastic attachment. Packaged in quantities of four pieces in a laminated folding transport box.



**C**

## Cardboard card with tie

The tool is attached to the cardboard card with tie.



**D**

## Special envelope

There is a special envelope on the tool and it is additionally packaged in transparent LD-PE packaging.



**E**

## Cardboard card with a LD-PE sleeve

The tool is attached to the cardboard card for hanging and is additionally protected with a transparent LD-PE sleeve.



**F**

## General laminated boxes

This packaging is used for products with retail-ready packaging. The packaging is printed with a general Unior design. It is used to protect the products during transport.



**G**

## Special designed boxes

The functionality of hand tools is explained.



**H**

## Cardboard with safety tie and packed into general laminated boxes

A cardboard card with all the necessary product information is attached to the tools with a safety tie. Packed in general laminated packaging.



**K**

## Transport brown packaging

Transport brown packaging is used for packaging and protection of larger and heavier products.



**P**

## Plastic Wallet

Tools are packed in a plastic wallet with a hole which allows them to be hung from single or double hooks. The upper side of the case is transparent for easier identification.



**S**

## Plastic case

Tools are packed in a plastic case for easier storage and protection.



**T**

## Bags with a transparent sleeve

Sets of tools in bags are in a transparent sleeve with a padlock and a color label that displays a list of the tools in the set.



**V**

## Wallet

Tools are packed in a LD-PE bag or sleeve.



**Z**

## General Envelope in LD-PE sleeve

Tools are packed in a general laminated cardboard envelope with all the necessary product information and inserted into a transparent LD-PE sleeve.



**X**

## Different packaging

Different packaging is used to pack all other large tools which do not belong to other groups of packaging (tools on pallets, in wooden box, etc.).



# Legend of symbols used in catalogue

## General

number of items

**SKU** code

dimension

**m** meters

**ft** feet

diameter

**Nº** article number

**V'** volt

Article

Product name

Product image

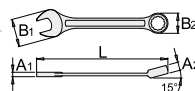
Product sketch

Profiles

SKU

**120/1**

**Combination wrench, long type**



SKU		L	B2	B1	A2	A1	
616745	3.2	105	8	14	4	3.2	11
616746	4	105	8	14	4	3.2	11

*\* Images of products are symbolic. All dimensions are in mm, and weight in grams. All listed dimensions may vary in tolerance.*

## Dimensions

3/8" internal drive	1/4" drive	wire max diameter in mm
3/4" internal drive	1/2" drive	outer dimension in mm
1/4" internal drive	1" drive	dimension in Inches
1/2" internal drive	1. 1/2" drive	<b>Nm</b> torque in Nm
1" internal drive	wire diameter in mm <sup>2</sup>	<b>lb.ft</b> torque in lb. Ft
1. 1/2" internal drive	tube diameter in mm	inlet thread in mm
3/8" drive	tube diameter in Inches	weight in g
3/4" drive	tube max diameter in mm	

## Profiles

socket 4-point	screwdriver profile, crosstip, PH	ZX profile
socket 6-point	screwdriver profile, double crosstip, PZ	TXP profile
socket 12-point	flat file	nut form for hook wrench
internal TX profile	half round file	nut form for hook wrench
HEXAGON profile internal 4-point socket	round file	punch pliers
HEXAGON profile with a hole	three angle file	
HEXAGON profile	LIFE profile	
square file or square part	TX profile	
screwdriver profile, flat	TX profile with a hole	

## Safety

Wear dust mask	Wear protective gloves	Instructions for safe use
Wear eye protection	Do not use with pneumatic tools	Video presentation
Wear hearing protection		

## Other

stripping jaws	straight half round jaws	article made according to GS standards
jaws form	internal lock ring pliers	article made according to VDE standards
jaws form	external lock ring pliers	magnet force in kg
jaws form	force in N	wire rope
knife	pressing force	wire rope with FE wire
form of cutting jaws	rebound hammer	wire rope with FE coat
flat jaws	non rebound hammer	thickness of metal sheet
form of cutting jaws	three angle scraper	thickness of metal sheet
form of cutting jaws	max	thickness of metal sheet
form of cutting jaws	min	E bit form
form of cutting jaws	awl tip	C bit form
form of cutting jaws	VDE DP double layered-double coloured insulation	hammer weight in grams
form of cutting jaws	article with VDE certificate	
round jaws		
form of cutting jaws		



# WRENCHES

## One hundred years of tradition and quality!

One of the most traditional forms of tools, the wrench, is certainly distinguished by its functionality and exceptional power. They are designed to access hard-to-reach places with their design and certainly offer a solution to all such problems. Their carefully selected size and set combinations offer users a wide and varied choice. With careful development and the use of quality materials, Unior wrenches are practically indestructible in their intended daily use.



» **DURABILITY** – above the prescribed DIN standards, where material is added in selected places under the greatest loads for long-term durability of the key.

» **VARIETY** – a varied selection that we offer in our product lines, where we offer wrenches for a wide variety of tasks – from simple bolts and nuts to heavy industrial work.

» **WITH A PROTECTIVE PROFILE** – Unior wrenches prevent damage to the corners and edges of the bolts and nuts, as they are designed so that the force does not directly affect the edge of the nut, rather its action is distributed around the surface away from the edges.

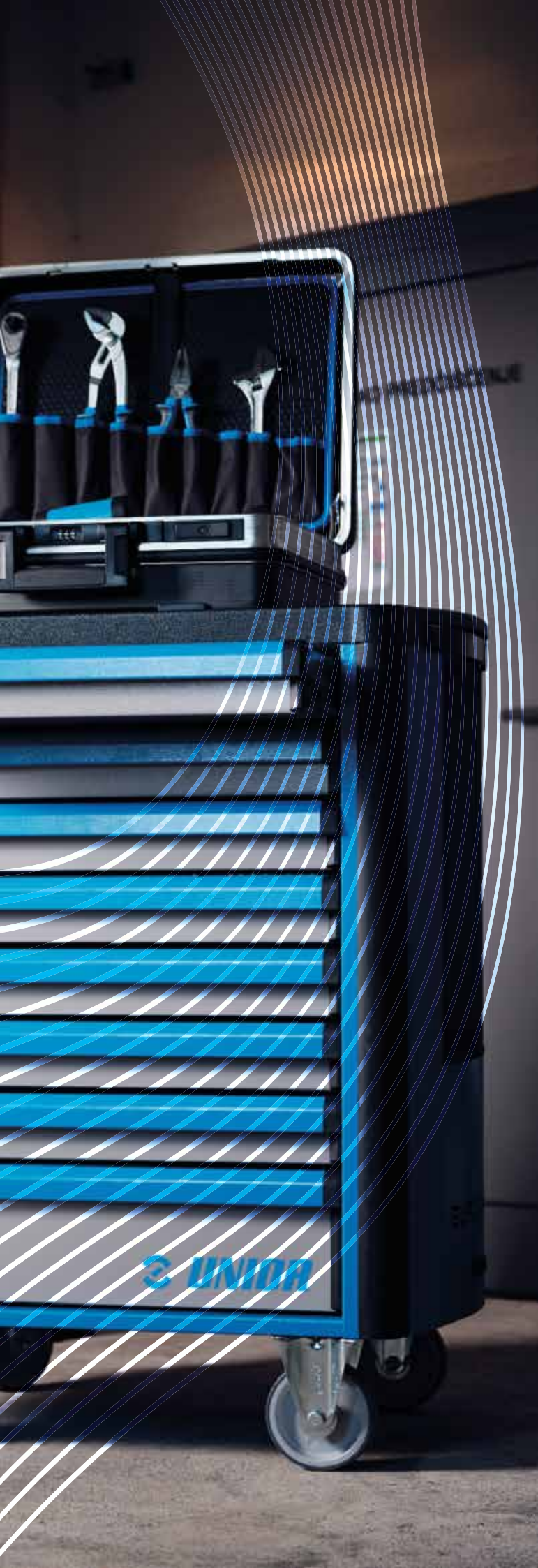


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OPEN END WRENCHES	24 - 26
ADJUSTABLE WRENCHES	27
COMBINATION WRENCHES	28 - 29
RING WRENCHES	31 - 33
RATCHET WRENCHES	34
SLOGGING WRENCHES	35
HOOK WRENCHES	36 - 37
SOCKET WRENCHES	38
TUBULAR WRENCHES	39
INBUS WRENCHES	41 - 46





**Premium**

### **Premium chrome vanadium steel - reliability without wear!**

In the case of tools such as wrenches and pipe wrenches, which have to bear a greater load, particularly important properties are high tensile strength, adequate toughness of the material with greater elasticity and as little susceptibility to cracks as possible. These requirements are perfectly met by Premium Chrome Vanadium Steel, a tool steel alloyed with manganese, chromium, silicon and carbon. Tools made from this steel have a long life and are an excellent choice for long-term use.

### **Alloyed tool steel 31CrV3, in accordance with EuroDirective 2000/53/EC**

- › 0.60% manganese for higher tensile strength and toughness
- › 0.60% chromium to reduce crack susceptibility and increase tensile strength
- › 0.30% silicon for greater elasticity
- › 0.35% carbon for adequate tool hardness

### **We follow developments and prioritise innovation**

Unior wrenches, with their innovative design and superior function, ensure that the force transfer to the bolt and nut heads is accurate and efficient. This is why we at Unior are constantly following the development of new profiles and shapes dictated by the rapidly evolving consumer market. For professional or domestic use; for all needs, situations and preferences. As such, the same apparent form of wrench today has actually made huge progress in development!

# Manufacturing procedure for a combination wrench at Unior



**1. Cutting:** Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

**2. Forging:** Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy dynamic loads, such as Unior wrenches.

**3. Trimming:** Superfluous material around a forged part is removed using a special-purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

**4. Perforation:** Following the forging and trimming phases, perforations are made in the workpiece by punching or cutting. This procedure can be carried out either on hot or cold workpieces.

**5. Burring and grinding:** Wrenches are contour-ground on grinding machines, thus making surfaces smooth on the edges of a wrench. After that, edges on forged parts are made smooth in special machines using mechanical and chemical means.

**6. Machine marking and bending:** Each wrench is impressed with an appropriate marking providing information about the source of a wrench, dimensions and material used. The ring of the wrench is accordingly offset in line with the standard.

**7. Broaching:** In broaching, suitable gaps are made on special-purpose tools; material is broached with linear motion of a tool incorporating a large number of cutting blades.

**8. Tempering:** Tempering by heating and cooling is designed to improve the grain flow of the steel and thereby increase the toughness of the wrench at the desired points; this heat treatment process grants the Unior wrenches a long lifespan and resistance to high loads and pressure.

**9. Sanding:** Various abrasive substances are blasted onto the surface of the wrenches by means of compressed air. The abrasives burr the surface, while at the same time imparting to it a certain asperity, important for the subsequent application of a suitable galvanic (protective) coating.

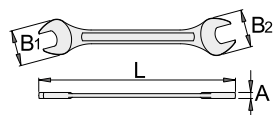
**10. Chrome plating and polishing:** Wrenches are coated with a thin, but solid layer of chromium oxide to protect them from corrosion and other external influence. Chromium coating gives a wrench a professional appearance and warrants a long service life.

## 110/1

### Open end wrench

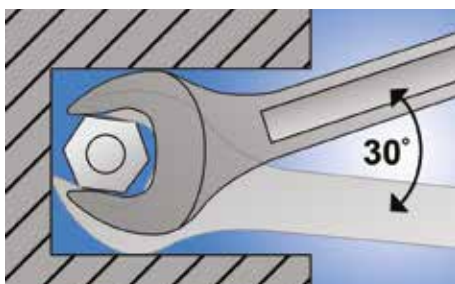


- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 10102 (only metric dimension)
- head of the wrench under 15°



SKU	⊕	L	B1	B2	A	⬇
603316	4x4.5	100	14	14	3.4	10
603317	4x5	100	14	14	3.4	10
603318	5x5.5	100	14	14	3.4	10
600060	5.5x7	121	14.4	16.4	3.4	15
600061	6x7	121	14.4	16.4	3.4	15
600062	7x8	140	18.4	22.9	3.7	24
600064	8x9	140	18.4	22.9	3.7	24
600065	8x10	140	18.4	22.9	3.7	23
600066	9x10	159	22.7	24.2	4.5	43
600067	9x11	159	22.7	24.2	4.5	40
600068	10x11	159	22.7	24.2	4.5	40
600069	10x12	172	26.2	29.2	4.9	58
600070	10x13	172	26.2	29.2	4.9	59
600072	11x13	172	26.2	29.2	4.9	58
600074	12x13	172	26.2	29.2	4.9	58
600075	12x14	172	26.2	29.2	4.9	58
600076	13x14	192	31.2	33.2	5.4	81
600077	13x15	192	31.2	33.2	5.4	84
600078	13x17	200	31.2	37.7	5.7	101
600079	14x15	192	31.2	33.2	5.4	83
600080	14x17	200	31.2	37.7	5.7	101
600081	15x17	206	35.7	37.7	5.7	108
600082	16x17	206	35.7	37.7	5.7	108
600083	17x19	223	39.5	41.5	6.2	143
600084	17x22	232	43.5	46	6.2	193
600085	18x19	223	39.5	41.5	6.2	148
600086	19x22	232	43.5	46	6.7	183
600088	20x22	232	43.5	46	6.7	180
600089	21x23	249	46	52	7.2	235
600090	22x24	249	46	52	7.2	237
600091	22x27	265	51.8	55.3	7.2	301
600092	24x26	265	51.8	55.3	7.7	289
600093	24x27	265	53.8	51.8	7.7	289
600095	25x28	279	62.8	53.8	8.2	344
600096	27x29	309	62.8	67.3	9.2	535
600097	27x30	309	62.8	67.3	9.2	527
600098	27x32	309	62.8	67.3	9.2	541
600099	30x32	309	62.8	67.3	9.2	532

603848	30x34	315	62.8	68.8	9.6	568
602593	30x36	319	62.8	78.8	9.6	591
600100	32x36	327	68.8	78.8	9.6	653
600101	34x36	327	68.8	78.8	9.6	628
600102	36x41	360	78.8	86.8	9.6	823
605549	38x42	360	78.8	86.8	9.6	822
602594	41x46	410	86.8	94.8	14.6	1735
602595	46x50	460	94.8	103.9	15.6	2365
605348	1/4" x 5/16"	121	14.4	16.4	3.4	15
605349	5/16" x 3/8"	140	18.4	22.9	3.7	24
605350	3/8" x 7/16"	159	22.7	24.2	4.5	40
605351	7/16" x 1/2"	172	26.2	29.2	4.9	58
605352	1/2" x 9/16"	192	31.2	33.2	5.4	81
605353	9/16" x 5/8"	192	31.2	33.2	5.4	83
605354	5/8" x 11/16"	206	35.7	37.7	5.7	108
605355	11/16" x 3/4"	223	39.5	41.5	6.2	143
605356	13/16" x 7/8"	249	46	52	7.2	237
605357	15/16" x 1"	265	51.8	55.3	7.7	301
605358	1" x 1.1/8"	279	53.8	58.8	8.2	344
605359	1.1/16" x 1.1/4"	309	62.8	67.3	9.2	527



## 110/1CB

### Set of open end wrenches in carton box



#### Set includes:

- 8x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU	↔	⬇
600105	6 - 22	8

## 110/1CB

### Set of open end wrenches in carton box



#### Set includes:

- 10x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27

SKU	↔	⬇
611018	6 - 27	10

## 110/1CB

### Set of open end wrenches in carton box



#### Set includes:

- 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32

SKU	↔	⬇
600106	6 - 32	12



## 110/1CB

### Set of open end wrenches in carton box



- 13x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x29, 30x32

SKU	↔	⬇
603715	6 - 32	13

## 110/1CB

### Set of open end wrenches in carton box



#### Set includes:

- 13x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32, 36x41

SKU	↔	⬇
600107	6 - 41	13



## 110/1CB

### Set of open end wrenches in carton box



#### Set includes:

- 12x open end wrench (article 110/1) dim. 1/4"x5/16", 5/16"x3/8", 3/8"x7/16", 7/16"x1/2", 1/2"x9/16", 9/16"x5/8", 5/8"x11/16", 11/16"x3/4", 13/16"x7/8", 15/16"x1", 1"x1.1/8 in 1.1/16"x1.1/4"

SKU		
605531	1/4" - 1.1/4"	12

## 110/1CS

### Set of open end wrenches in carton box



#### Set includes:

- 8x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU		
602844	6 - 22	8

## 110/1CT

### Set of open end wrenches in bag



#### Set includes:

- 8x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU		
615465	6 - 22	8

## CT110

### Empty bag



- Dimension 430 x 275, for article 110 in 125
- velcro fastening is used for easy opening and closing
- strap is not required
- material: polyester fabric

SKU	A x B	
615480	430 x 275	117

## 110/1PB

### Set of open end wrenches in plastic wallet



#### Set includes:

- 6x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17

SKU		
600108	6 - 17	6

## 110/1PB

### Set of open end wrenches in plastic wallet



#### Set includes:

- 8x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU		
600109	6 - 22	8

## 110/1MS

### Set of open end wrenches on metal stand



#### Set includes:

- 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32

SKU		
605528	6 - 32	12

## 110/1MS

### Set of open end wrenches on metal stand



#### Set includes:

- 12x open end wrench (article 110/1) dim. 1/4"x5/16", 5/16"x3/8", 3/8"x7/16", 7/16"x1/2", 1/2"x9/16", 9/16"x5/8", 5/8"x11/16", 11/16"x3/4", 13/16"x7/8", 15/16"x1", 1"x1.1/8 in 1.1/16"x1.1/4"

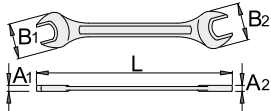
SKU		
605532	1/4" - 1.1/4"	12

## 112/2

### Open end wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard DIN 895 and DIN 475



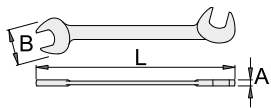
SKU	⊖	L	B1	B2	A1	A2	📦
602082	8 x 10	115	18	22	4.2	4.2	20
613222	10 x 11	122	23	24.5	5	5	35
605045	10 x 12	128	22	28	5	5	37
603611	10 x 13	137	26	28.5	5.2	5.2	43
602083	11 x 13	132	26	28.5	5	5.4	41
602085	13 x 15	152	28	32	6	6	63
603134	13 x 17	158	30	35	6.5	6.5	65
602086	14 x 17	158	30	35	6.5	6.5	62
602087	17 x 19	170	35	40	7	7	94
602088	19 x 22	197	42	48	8	8	138

## 114/2

### Small double open ended wrench ELECTRIC



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	⊖	L	B	A	📦
618623	3.2	75	10	2	2
618624	3.5	75	10	2	2
618625	4	75	10.5	2	2
618626	4.5	75	10.5	2	2
618627	5	85	12	2	4
618628	5.5	85	12.2	2	4
618629	6	85	12.5	2	4
618630	7	95	14.5	2	6
618631	8	95	16.5	2	7
618632	9	110	19	3	17
618633	10	110	21	3	18
618634	11	110	23.5	3	20
618635	12	125	24	3	30
618636	13	125	27.5	3	33
618637	14	125	28	3	33

## 114/2PB

### Set of small double open ended wrenches ELECTRIC



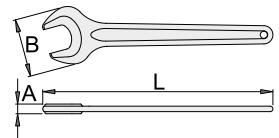
#### Set includes:

- 15x small double open ended wrench ELECTRIC (article 114/2) dim. 3.2, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14

SKU	↔	📦
619287	3.2 - 14	15

## 117/4

### Single open end wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard DIN 894

#### Usage:

- In industry for working on machines, engines and other equipment.
- larger dimensions are useful in shipbuilding, the oil industry and other heavy industries where larger machines and equipment are used
- this wrench is especially suitable for work that requires higher torque and more leverage in difficult to reach areas

SKU	⊖	L	A	B	📦
615262	10	104	4.5	22	21
620207	12	123	5	26	29
615263	13	132	5.4	28	35
615264	17	157	6.5	36	68
615265	19	170	6.9	40	78
615267	22	195	7.9	46	106
615268	24	218	9.2	50	147
615269	27	240	9.7	56	192
615270	30	267	11.1	63	297
615271	32	267	11.7	66	297
615272	34	295	12.5	74	399
615273	36	295	12.5	74	438
615274	38	295	12.5	74	390
615275	41	335	13.5	84	537
615276	46	365	14.5	94	747
615277	50	400	15.5	102	890
615278	55	475	16	110	1170
615279	60	475	17	120	1365
615280	65	550	18	130	1665
615281	70	550	19	140	1995
615282	75	620	20	150	2995
615283	80	665	21	160	3895
615285	90	740	23	190	4795

**MADE  
FOR  
WORK.**

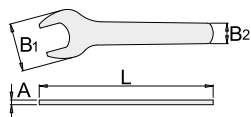
WRENCHES

## 135/2

### Single open end wrench for gas



- material: premium sheet metal
- surface finish: chrome plated according to ISO 1456:2009



SKU	⊖	L	B1	B2	A	📦
600262	27	187	52	22	4	149

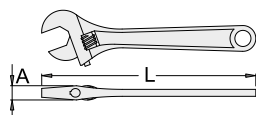


## 250/1

### Adjustable wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- with scale
- made according to standard ISO 6787



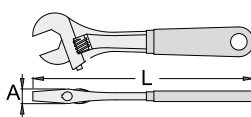
SKU	⊖	L	A	⊖	📦
611917	100	110	9.8	17	61
611918	150	155.5	11.5	23	133
601016	200	205	12.6	28	243
601017	250	254	16	32	439
601018	300	305	19	38	702
601019	380	380	25	50	1315
605113	450	458	26.3	60	1730
615148	600	610	30	70	3240

## 250/1ADP

### Adjustable wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- with scale
- double plastic dipped handles
- made according to standard ISO 6787



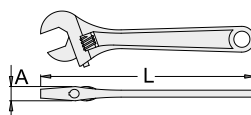
SKU	⊖	L	A	⊖	📦
617246	200	205	17	28	280
617247	250	255	19	32	490
617248	300	305	23.5	38	785
617249	380	385	24	50	1395

## 251/4

### Adjustable wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- left turning
- with scale
- made according to standard ISO 6787



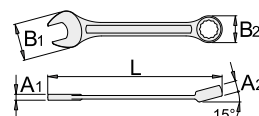
SKU	⊖	L	A	⊖	📦
612870	150	155.7	11.7	20	137
612871	200	204.3	14.4	25	257
612872	250	254	16.9	30	447
612873	300	303.5	19.1	36	700

## 120/1

### Combination wrench, long type

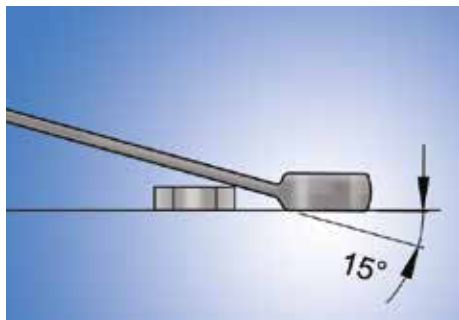


- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- ring part with LIFE profile
- made according to standard ISO 7738 (metric dimensions only)



SKU	⊖	L	B2	B1	A2	A1	📦
616745	3.2	105	8	14	4	3.2	11
616746	4	105	8	14	4	3.2	11
616747	4.5	105	8	14	4	3.2	7
616748	5	119	10.4	14.5	5	3.5	7
616749	5.5	119	10.4	14.5	5	3.5	15
600357	6	119	10.4	14.5	5	3.5	14
600358	7	129	11.5	16.5	5.8	3.9	15
600359	8	141	13.2	18.5	6.9	3.9	23
600360	9	152	14.3	21	7.3	4	27
600361	10	163	15.9	23	7.5	4.2	37
600362	11	176	17.8	24.5	8	4.5	45
600363	12	186	19.4	26.5	8.5	4.7	55
600364	13	199	20.4	29.5	8.5	5.2	68
600365	14	210	22	31.5	9	5.2	82
600366	15	222	23.2	33.5	9.5	5.7	96
600367	16	234	24.8	36	10.5	6.2	121
600368	17	245	26.1	38	10.5	6.7	144
600369	18	257	27.7	40	11	7.2	165
600370	19	268	29.3	42	12	7.2	186
600371	20	280	31	44	12.5	7.7	225
600372	21	291	32.6	45.5	13	8.2	251
600373	22	303	34.1	46.5	13	8.2	266
600374	23	314	35.7	50.5	13	8.2	300
600375	24	330	37.3	52.5	14	8.5	382
600376	25	337	39	54.5	14.5	8.5	377
600377	26	349	40.1	56	15	8.5	422
600378	27	360	41.6	57.5	15	9	453
600379	28	373	43.2	59.5	15.5	9	532
600380	29	383	44.9	61.5	16	9.5	567
600381	30	395	46.5	63.5	16	10	632
600382	32	416	49	68	16.5	10.5	719
607019	35	500	53.5	78.8	20	13.6	1405
602601	36	500	53.5	78.8	20	13.6	1415
605838	38	515	58	82.8	20.5	14.1	1310
602602	41	540	62	86.8	21	14.6	1984
618514	46	560	69	94	23	16	2445
618517	50	580	75	103	24	17	1955
616752	55	600	83	112	26	18	3395
616753	60	620	91	120	28	20	4120
616754	65	640	100	130	30	21	5205
616755	70	660	108	140	32	23	5995

616756	75	680	116	150	34	24	6995
616757	80	700	124	160	36	26	8595
618491	1/4"	119	10.4	14.5	5	3.5	14
618492	5/16"	142	13.2	18.5	6.9	3.9	23
618493	3/8"	153	14.3	21	7.3	4	27
618494	7/16"	176	17.8	24.5	8	4.5	45
618495	1/2"	199	20.4	29.5	8.5	5.2	68
618496	9/16"	211	22	31.5	9	5.2	82
618497	5/8"	234	24.8	36	10.5	6.2	121
618498	11/16"	245	26.1	38	10.5	6.7	144
618499	3/4"	268	29.3	42	12	7.2	186
618500	13/16"	291	32.6	45.5	13	8.2	251
618501	7/8"	303	34.1	46.5	13	8.2	266
618502	15/16"	330	37.3	52.5	14	8.5	382
618503	1"	337	39	54.5	14.5	8.5	377
618504	1.1/16"	360	41.6	57.5	15	9	453
618505	1.1/8"	372	43.2	59.5	15.5	9	532
618506	1.1/4"	417	49	68	16.5	10.5	719
618507	1.5/16"	417	49	68	16.5	10.5	732
618508	1.3/8"	500	53.5	78.8	20	13.6	1425
618509	1.7/16"	500	53.5	78.8	20	13.6	1395
618510	1.1/2"	500	53.5	78.8	20	13.6	1335
618511	1.5/8"	540	62	86.8	21	14.6	2000
618512	1.11/16"	540	62	86.8	21	14.6	1960
618513	1.3/4"	560	69	94	23	16	2435
618515	1.13/16"	560	69	94	23	16	2495
618516	1.7/8"	560	69	94	23	16	2445
618518	2"	580	75	103	24	17	2985



## 120/1CB

Set of combination wrenches, long type  
in carton box



Set includes:

- › 17x long combination wrench (article 120/1)  
dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18,  
19, 20, 21, 22



SKU		
600383	6 - 22	17

## 120/1CB

Set of combination wrenches, long type  
in carton box



Set includes:

- › 26x long combination wrench (article 120/1)  
dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18,  
19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32



SKU		
600384	6 - 32	26

## 120/1CB

Set of combination wrenches, long type  
in carton box



Set includes:

- › 10x long combination wrench (article 120/1)  
dim. 8, 10, 11, 12, 13, 14, 15, 17, 19, 22



SKU		
611019	8 - 22	10

## 120/1CB

Set of combination wrenches, long type  
in carton box



Set includes:

- › 12x long combination wrench (article 120/1)  
dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30



SKU		
611020	10 - 30	12

## 120/1CB

Set of combination wrenches, long type  
in carton box



Set includes:

- › 16x long combination wrench (article 120/1)  
dim. 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8",  
11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16",  
1.1/8", 1.1/4"



SKU		
619398	1/4" - 1.1/4"	16

## 120/1CS

Set of combination wrenches, long type  
in carton box



Set includes:

- › 8x long combination wrench (article 120/1)  
dim. 8, 9, 10, 12, 13, 14, 17, 19



SKU		
603709	8 - 19	8



## 120/1CT

**Set of combination wrenches, long type in bag**



**Set includes:**

- 8x long combination wrench (article 120/1)  
dim. 8, 10, 11, 13, 15, 17, 19, 22



SKU		
615475	8 - 22	8

## 120/1MS

**Set of combination wrenches, long type on metal stand**



**Set includes:**

- 17x long combination wrench (article 120/1)  
dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22



SKU		
605537	6 - 22	17



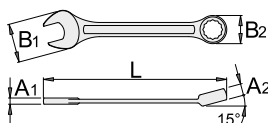
COMBINATION WRENCHES

## 125/1

**Combination wrench, short type**



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- ring part with LIFE profile
- made according to standard ISO 7738 (only metric dimension)
- made according to standard ISO 3318 in 3113A (only metric dimension)



SKU	⊖	L	B2	B1	A2	A1	⚙
618651	5	84	5.8	12	3	3	9
618652	5.5	84	5.8	12	3	3	9
600414	6	100	10.4	14.5	5	3.5	11
600415	7	109	11.5	16.5	5.8	3.9	15
600416	8	119	13.2	18.5	6.9	3.9	20
600417	9	123	14.3	21	7.3	4	25
600418	10	128	15.9	23	7.5	4.2	29
600419	11	135	17.8	24.5	8	4.5	35
600420	12	139	19.4	26.5	8.5	4.7	45
600421	13	150	20.4	29.5	8.5	5.2	54
600422	14	160	22	31.5	9	5.2	63
600423	15	170	23.2	33.5	9.5	5.7	78
600424	16	180	24.8	36	10.5	6.2	95
600425	17	190	26.1	38	10.5	6.7	121
600426	18	200	27.7	40	11	7.2	135
600427	19	210	29.3	42	12	7.2	157
600428	20	220	31	44	12.5	7.7	186
600429	21	230	32.6	45.5	13	8.2	198
600430	22	247	34.1	46.5	13	8.2	230
602089	23	250	35.7	50.5	13	8.2	254
602090	24	266	37.3	52.5	14	8.5	300
602091	25	270	39	54.5	14.5	8.5	330
602092	26	275	40.1	56	15	8.5	342
602093	27	292	41.6	57.5	15	9	365
602094	28	296	43.2	59.5	15.5	9	432
602095	29	300	44.9	61.5	16	9.5	455
602096	30	323	46.5	63.5	16	10	522
602097	32	343	49	68	16.5	10.5	602
603332	36	400	54.5	79.5	20	13.5	1115
618566	41	420	62	86.8	21	14.6	1575
618570	46	440	69	94	23	16	1985

## 125/1CB

**Set of combination wrenches, short type in carton box**



**Set includes:**

- 17x short combination wrench (article 125/1)  
dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22



SKU		
600431	6 - 22	17

## 125/1CB

**Set of combination wrenches, short type in carton box**



**Set includes:**

- 26x short combination wrench (article 125/1)  
dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32



SKU		
602098	6 - 32	26

## 125/1CB

**Set of combination wrenches, short type in carton box**



**Set includes:**

- 10x short combination wrench (article 125/1)  
dim. 8, 10, 11, 12, 13, 14, 15, 17, 19, 22



SKU		
611021	8 - 22	10

## 125/1CB

Set of combination wrenches, short type in carton box



### Set includes:

- 12x short combination wrench (article 125/1)  
dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30

## 129/1

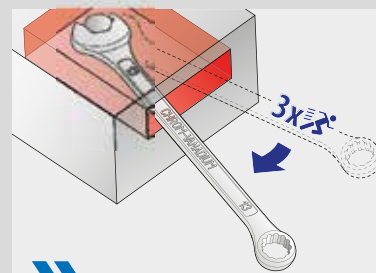
Combination wrench IBEX



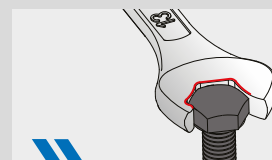
- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- ring part with LIFE profile

### Advantages:

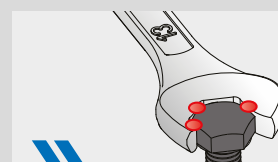
- The wrench acts on the flats to protect the corners of the nut
- 3 drive surface for greater power
- 100% positioning of the wrench
- rewind action without removing the wrench



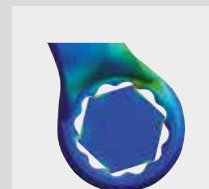
Enables 3-time faster work in comparison to standard combination wrench.



100% positioning of the wrench.



3 drive surface for greater power.



LIFE profile

MADE FOR WORK.

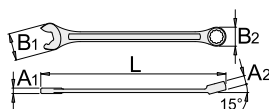
## 125/1CS

Set of combination wrenches, short type in carton box



### Set includes:

- 8x short combination wrench (article 125/1)  
dim. 8, 9, 10, 12, 13, 14, 17, 19



SKU	⌀	L	B2	B1	A2	A1	h
611762	8	140	13.2	18.5	6.9	3.9	22
611763	10	160	15.9	23	7.5	4.2	37
611764	11	174	17.8	24.5	8	4.5	43
611765	12	183	19.4	26.5	8.5	4.7	54
611766	13	196	20.4	29.5	8.5	5.2	63
611767	14	206	22	31.5	9	5.2	75
611768	15	217	23.2	33.5	9.5	5.7	93
611769	16	227	24.8	36	10.5	6.2	114
611770	17	238	26.1	38	10.5	6.7	131
611930	18	250	28	40	11	7.2	155
611771	19	261	29.3	42	12	7.2	173
611772	22	296	34.1	46.5	13	8.2	258
611773	24	321	37.3	52.5	14	8.5	321

## 125/1CT

Set of combination wrenches, short type in bag



### Set includes:

- 8x short combination wrench (article 125/1)  
dim. 8, 10, 11, 13, 15, 17, 19, 22

## 125/1MS

Set of combination wrenches, short type on metal stand



### Set includes:

- 17x short combination wrench (article 125/1)  
dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

## 125/1CT

Set of combination wrenches, short type in bag



### Set includes:

- 26x short combination wrench (article 125/1)  
dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32

SKU	⌀	h
611022	10 - 30	12

SKU	⌀	h
603711	8 - 19	8

SKU	⌀	h
615478	8 - 22	8

SKU	⌀	h
605539	6 - 22	17

SKU	⌀	h
625675	6 - 32	26

## 129/1CB

### Set of combination wrenches IBEX in carton box



#### Set includes:

- 12x combination wrench IBEX (article 129/1)  
dim. 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24



SKU		
611776	8 - 24	12

## 129/1CS

### Set of combination wrenches IBEX in carton box



#### Set includes:

- 8x combination wrench IBEX (article 129/1)  
dim. 8, 10, 12, 13, 14, 15, 17, 19



SKU		
611775	8 - 19	8

## CT129

### Empty bag



- material: polyester fabric
- velcro fastening is used for easy opening and closing
- strap is not required
- Dimension 470 x 330, for article 129,120,180,202

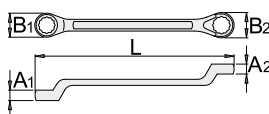
SKU	A x B	
615464	470 x 330	150

## 179/2

### Scaffolding wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- to assemble scaffolding



SKU		L	B1	B2	A1	A2	
605042	21 x 22	316	34	35	17	17	657

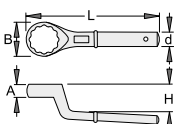


## 178/2

### Single offset ring wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU		A	B	d	H	L	
620821	24	17	42	18.5	30	180	481
620822	27	17	42	18.5	30	180	456
620823	30	17	42	18.5	30	180	454

620824	32	18	50	20.5	35	235	733
620825	36	18	50	20.5	35	235	686
620826	41	18	55	20.5	35	235	712
620827	46	22	70	23.5	40	265	1208
620828	50	22	70	23.5	40	265	1218
620829	55	22	75	23.5	40	265	1156
620830	60	30	94	29.5	50	345	2512
620831	65	30	94	29.5	50	345	2582
620835	85	40	125	29.5	59	385	3741
620836	90	45	140	29.5	63	410	3941

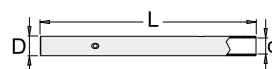


## 178.1/2

### Handle for 178/2



- material: premium chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009



SKU		D	d	L	
620840	24 - 30	25	19	460	744
620841	32 - 41	27	21	610	1049
620842	46 - 55	30	24	760	1509
620843	60 - 95	37	30	860	2476

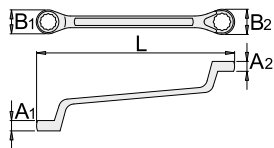


## 180/1

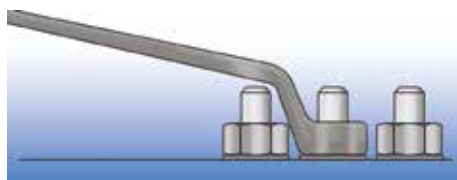
### Offset ring wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- ring part with LIFE profile
- made according to standard ISO 10104 (only metric dimension)
- made according to standard DIN 838



SKU		L	B1	B2	A1	A2	
600511	6 x 7	178	10.3	11.8	5.5	6.1	48
600512	8 x 9	190	14	15.5	6.7	7.3	60
600513	8 x 10	166	12.9	15.5	6	8	50
602663	9 x 11	205	15.5	18.5	7.3	8.4	65
600514	10 x 11	205	17	18.5	7.9	8.4	81
602997	10 x 12	210	17	20	7.9	9	86
600516	12 x 13	220	20	21.5	9	9.5	108
600517	12 x 14	205	17.7	20.3	9	10	95
600518	13 x 15	235	21.5	24	9.5	10.5	144
600519	13 x 17	258	21.5	27	9.5	11.5	172
600520	14 x 15	235	23	24	10	10.5	140
600521	14 x 17	257	19.8	23.6	10	12	173
600522	16 x 17	258	26	27	11	11.4	187
603123	16 x 18	259	22.9	25.4	11	12	205
600523	17 x 19	270	27	30	11.4	12.4	233
600524	18 x 19	270	29	30	11.9	12.4	230
600525	19 x 22	295	30	35	12.4	13.7	308
600526	20 x 22	295	32	35	12.8	13.7	320
600527	21 x 23	305	33	37	13.3	14.1	336
600528	22 x 24	315	35	38	13.7	14.6	368
600529	24 x 26	325	38	41	14.6	15.4	459
600530	24 x 27	325	38	42	14.6	15.8	453
600531	25 x 28	335	40	44	15	16.2	522
600532	27 x 29	335	42	45	15.8	16.6	589
600533	27 x 30	360	38.5	42.7	15	16	647
600534	27 x 32	360	42	49	15.8	17.8	672
600535	30 x 32	370	46	49	17	17.8	680
603124	30 x 36	395	43	48	15	18	845
600536	32 x 36	410	48.2	54.2	17.8	19.4	915
600537	36 x 41	450	48	56	19	21	945
602664	41 x 46	472	56	61	21	23	1430



## 180/1CB

### Set of offset ring wrenches in carton box



#### Set includes:

- 8x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22



SKU		
600541	6 - 22	8

## 180/1CB

### Set of offset ring wrenches in carton box



#### Set includes:

- 10x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27



SKU		
603674	6 - 27	10

## 180/1CB

### Set of offset ring wrenches in carton box



#### Set includes:

- 12x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32



SKU		
600542	6 - 32	12

## 180/1CB

### Set of offset ring wrenches in carton box



#### Set includes:

- 13x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32, 36x41



SKU		
600543	6 - 41	13

## 180/1CS

### Set of offset ring wrenches in carton box



#### Set includes:

- 8x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22



SKU		
602845	6 - 22	8

## 180/1MS

### Set of offset ring wrenches on metal stand



#### Set includes:

- 12x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32



SKU		
605545	6 - 32	12

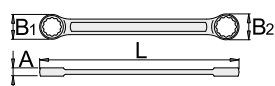


## 182/2A

### Flat ring wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- ring part with LIFE profile
- made according to standard DIN 837 (only metric dimension)



SKU	⊕	L	B1	B2	A	👤
612004	6 x 7	97	10	11.3	4.6	11
612005	8 x 9	112	12.7	14	5.6	19
612006	10 x 11	132	15.6	16.5	6.6	29
612007	12 x 13	147	18	19	7.6	44
612008	14 x 15	162	20.5	21.5	7.6	59
612009	16 x 17	172	23.2	24.2	8.6	90
612010	18 x 19	186	25.9	27.4	9.6	112
612011	20 x 22	206	28.9	31.8	11	161
612013	24 x 26	258	34.8	37.3	11.5	289
612015	27 x 29	298	38.3	41.8	13	378
612016	30 x 32	318	42.7	45.2	13.5	467

## 182/2ACB

### Set of flat ring wrenches in carton box



#### Set includes:

- 11x flat ring wrench (article 182/2A) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 24x26, 27x29, 30x32

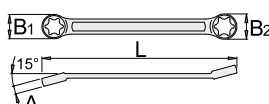
SKU	📏	👤
612568	6 - 32	11

## 182/2BTX

### Flat ring wrench with offset head TX profile



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- 15° angle allows access in difficult places



SKU	⊕	L	B1	B2	A	👤
612892	E6 x E8	97	10	11.3	4.6	13
612893	E10 x E12	112	12.7	14	5.6	20
612894	E14 x E18	137	16.5	21	6.6	38
612895	E20 x E24	174	23	27.3	8.6	100



## 183/2

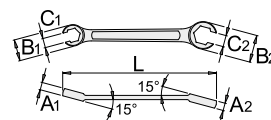
### Offset open ring wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- profile up to dimension 12x14 is 6 point, from 17x19 to 30x32 is 12 point

#### Usage:

- In industry and repair shops specializing in hydraulic and pneumatic installations
- This wrench helps working on joints where the use of standard ring wrench is impossible due to the nature of the job (ex. unions on steel cables, hydraulic and water pipes and on valves etc).



SKU	⊕	L	A1	A2	B1	B2	C1	C2	👤
612701	8x10	145	7	8.5	18	20	6	7	48
612702	10x11	152	8.5	9	20	22	7	8.5	64
612703	11x13	165	9	11	22	26	8.5	10	88
612704	12x14	178	10	12	24	28	9	11	125
615147	16x18	196	12	12.5	30.5	33.5	13	14	203
612705	17x19	210	13	14	32	35	14	15	204
612706	19x22	233	14	16	35	41	15	17	242
612707	22x24	265	16	17	41	45	17	18	297
612708	24x27	265	17	17	45	48	18	20	367
612709	30x32	285	21	23	50	52	22	24	552



## 183/2CB

Set of offset open ring wrenches in carton box



### Set includes:

- 6x offset open ring wrench (article 183/2) dim. 8x10, 10x11, 11x13, 12x14, 17x19, 19x22



SKU	←→	↓
612985	8 - 22	6

## 183/2CB

Set of offset open ring wrenches in carton box



### Set includes:

- 9x offset open ring wrench (article 183/2) dim. 8x10, 10x11, 11x13, 12x14, 17x19, 19x22, 22x24, 24x27, 30x32



SKU	←→	↓
612986	8 - 32	9

## 183/2CT

Set of offset open ring wrenches in bag



### Set includes:

- 6x offset open ring wrench (article 183/2) dim. 8x10, 11x13, 12x14, 16x18, 17x19, 22x24



SKU	←→	↓
615467	8 - 24	6

## 160/2

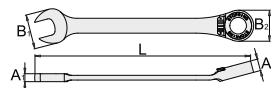
Ratchet combination wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered

### Advantages:

- ratchet: works both way, screw direction can be changed with button
- 72 - teeth, 5° working angle
- Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.
- It enables quick and easy tightening of the nut without causing damage to the user and quick, save and precise positioning of the wrench on the nut.



SKU	⊖	L	B2	B1	A2	A1	⚙
622818	8	134	17,1	16,7	8,4	4,7	40
622819	9	158	21	21	8,4	5,5	55
622820	10	158	21	21	8,4	5,5	60
622821	11	164	22,6	23	9,7	6	70
622822	12	167	23,8	25	9,7	6,2	80
622823	13	177	24,9	27,5	9,7	6,0	96
622824	14	189	27	29	10,1	7	125
622825	15	198	28,1	31,5	11,7	7,2	150
622826	16	204	29,9	33	11,7	7,5	165
622827	17	224	31,9	34,9	11,7	8	183
622828	18	245	34,4	38,9	12	8,8	210
622829	19	245	34,4	38,9	19	12	230
622831	21	280	45,7	42,6	14,2	9,5	358
622832	22	280	45,7	42,6	14,2	9,5	378
622834	24	310	51,7	46,5	14,7	10	480



## 160/2CB

Set of ratchet combination wrenches in carton box



### Set includes:

- 7x ratchet combination wrench (article 160/2) dim. 8, 10, 12, 13, 14, 17, 19



SKU	←→	↓
622463	8 - 19	7

## 160/2CB

Set of ratchet combination wrenches in carton box



### Set includes:

- 9x ratchet combination wrench (article 160/2) dim. 8, 10, 13, 16, 17, 18, 19, 22, 24



SKU	←→	↓
623080	8 - 24	9

## 160/2CB

Set of ratchet combination wrenches in carton box



### Set includes:

- 6x ratchet combination wrench (article 160/2) dim. 8, 10, 13, 15, 17, 19



SKU	←→	↓
622463	8 - 19	7

## 160/2CT

Set of ratchet combination wrenches in a bag



### Set includes:

- 6x ratchet combination wrench (article 160/2) dim. 8, 10, 13, 15, 17, 19



SKU	←→	↓
627001	8 - 19	6

## 161/2CB

Set of flexible ratchet combination wrenches in carton box



### Set includes:

- 5x flexible ratchet combination wrench (article 161/2) dim. 8, 10, 13, 17, 19



SKU	←→	↓
623081	8 - 19	5

## 161/2

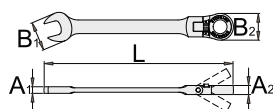
### Flexible ratchet combination wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered

#### Advantages:

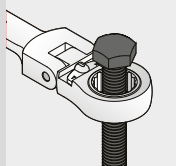
- ratchet: works both way, screw direction can be changed with button
- 72 - teeth, 5° working angle
- Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.
- It enables quick and easy tightening of the nut without causing damage to the user and quick, save and precise positioning of the wrench on the nut.



SKU	⊖	L	B2	B1	A2	A1	🔧
622837	6	136	17,4	16,9	8,4	4,9	50
622839	8	136	17,4	16,9	8,4	4,9	50
622841	10	160	20,9	20,8	8,4	3,8	72
622842	11	177,5	23,4	25,1	9,7	6,2	95
622843	12	177,5	23,4	25,1	9,7	6,2	95
622844	13	187,3	24,9	27,2	9,7	6,4	124
622845	14	194,7	27,4	29,3	10,1	7	144
622846	15	218	30,4	33	11,7	7,4	207
622847	16	218	30,4	33	11,7	7,4	207
622848	17	234,8	31,9	35,2	11,7	8,2	236
622849	18	251,3	34,5	39,4	12	9	290
622850	19	251,3	34,5	39,4	12	9	280



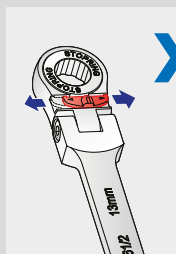
Without stop ring.



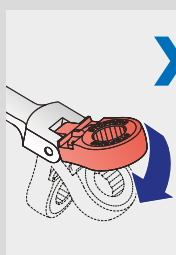
Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.



Ratchet: works both ways, turning direction can be changed with button.



Allows working with ring head inclination up to max 90°.



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## 170/2

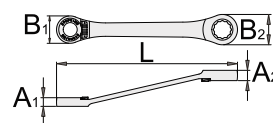
### Ratchet ring wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered

#### Advantages:

- ratchet: works both way, screw direction can be changed with button
- 72 - teeth, 5° working angle
- Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.
- It enables quick and easy tightening of the nut without causing damage to the user and quick, save and precise positioning of the wrench on the nut.



SKU	⊖	L	B2	B1	A2	A1	🔧
622851	6 x 8	114,2	17,4	17,4	8,4	8,4	40
622852	8 x 9	130,4	20,9	17,4	8,4	8,4	55
622853	8 x 10	130,4	20,9	17,4	8,4	8,4	55
622854	10 x 11	144,4	22,9	20,9	9,7	8,4	72
622856	12 x 13	166	24,9	23,4	9,7	9,7	97
622857	14 x 15	181,4	30,4	27,4	11,7	10,1	142
622858	16 x 18	205,9	33,9	30,4	12	11,7	198
622859	17 x 19	224,4	34,4	31,9	12	11,7	211

## 161/2CS

### Set of flexible ratchet combination wrenches in carton box



#### Set includes:

- 6x flexible ratchet combination wrench (article 161/2) dim. 8, 10, 13, 15, 17, 19



SKU	↔	🔧
623710	8 - 19	6

## 161/2CT

### Set of flexible ratchet combination wrenches in a bag



#### Set includes:

- 6x flexible ratchet combination wrench (article 161/2) dim. 8, 10, 11, 13, 17, 19



SKU	↔	🔧
627002	8 - 19	6

## 170/2CB

### Set of ratchet ring wrenches in carton box



#### Set includes:

- 6x ratchet ring wrench (article 170/2) dim. 6x8, 10x11, 12x13, 14x15, 16x18, 17x19

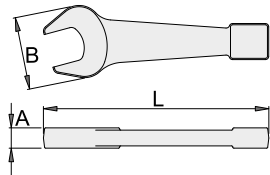


SKU	↔	🔧
623082	6 - 19	6

## Slogging open end wrench



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: anticorrosive oiled
- › made according to standard DIN 133



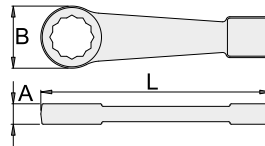
SKU	⌀	L	B	A	📦
620466	24	170	56	15	489
620467	27	170	56	15	477
620468	30	200	70	18	863
620469	32	200	70	18	863
620470	36	200	70	18	834
620471	41	240	88	20	1490
620472	46	240	88	20	1450
620473	50	265	102	20	1790
620474	55	305	112	24	2700
620475	60	305	112	24	2615
620476	65	335	123	27	3645
620477	70	370	143	30	2200
620478	75	370	143	30	4865
620479	80	400	175	33	6450
620480	85	400	175	33	5775
620481	90	450	192	38	7620
620482	95	450	192	38	9400
620485	110	515	235	48	12400
620486	115	515	235	52	15800
620487	120	535	260	53	20000
620488	125	535	260	53	19200
620490	135	565	285	53	23400
620491	140	635	307	58	28800
620492	145	635	307	58	28800
620493	150	635	307	58	28200



## Slogging ring wrench

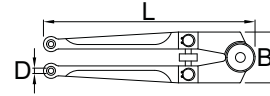
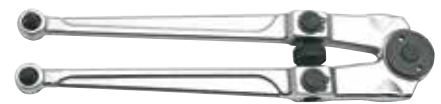


- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: anticorrosive oiled
- › made according to standard DIN 7444 (metric dimension only)



SKU	⌀	L	B	A	📦
620494	24	180	48.6	16	534
620495	27	180	48.6	16	514
620496	30	180	48.6	16	488
620497	32	190	58.4	18	739
620498	36	190	58.4	18	694
620499	41	235	74	22	1425
620500	46	235	74	22	1360
620501	50	235	74	22	1272
620502	55	275	97.6	27	2800
620503	60	275	97.6	27	2710
620504	65	275	97.6	27	2580
620505	70	335	117	35	4685
620506	75	335	117	35	4570
620507	80	350	124	35	4305
620508	85	358	130	39	4220
620509	90	395	144	41	5335
620510	95	395	144	39	5090
620511	100	420	155	43	6800
620512	105	420	155	42	5930
620513	110	451	170	46	8200
620515	120	500	190	52	11400
620516	125	500	190	53	10800
620518	135	520	200	60	13800
620519	140	574	220	61	17000
620520	145	574	220	60	16600
620521	150	574	220	61	17000
620522	1.1/16"	180	49	16	512
620523	1.1/8"	180	49	16	511
620525	1.1/4"	190	58	18	740
620526	1.5/16"	190	58	18	708
620527	1.3/8"	190	58	18	700
620528	1.7/16"	190	58	18	687
620529	1.1/2"	235	74	22	1470
620530	1.5/8"	235	74	22	1425
620531	1.11/16"	235	74	22	1440
620533	1.13/16"	235	74	22	1360
620534	1.7/8"	235	74	22	1350
620535	2"	235	74	22	1335
620536	2.1/16"	275	98	27	2831
620537	2.1/8"	275	98	27	2840
620538	2.3/16"	275	98	27	2800
620539	2.1/4"	275	98	27	2730
620541	2.3/8"	275	98	27	2710
620542	2.1/2"	275	98	27	2580
620543	2.9/16"	275	98	27	2580
620544	2.5/8"	335	117	28.5	4685
620545	2.3/4"	335	117	35	4685
620546	2.15/16"	335	117	35	4520
620547	3"	335	117	35	4570
620548	3.1/8"	350	124	35	4305

## Pin wrench for ring nuts



SKU	⌀	D	D1	D2	D3	L	B	📦
613049	18 - 100	4.8	5.8	6.8	7.8	250	55	615

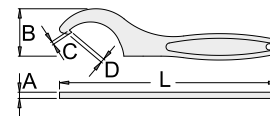


## 255/2

## Hook wrench



- › material: premium chrome vanadium steel
- › entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard DIN 1810 type A



SKU	⌀	L	C	D	A	B	📦
613050	12 - 14	109	1.2	1.5	3	12	27
613051	16 - 20	109	1.5	2	3	12	28
613052	25 - 28	136	2	2.5	4	21	56
613053	30 - 32	136	2	2.5	4	21	55
613054	34 - 36	171	2.5	3	5	28.5	114
613055	40 - 42	171	2.5	3	5	28.5	111
613056	45 - 50	207	3	3.5	6	37	206
613057	52 - 55	207	3	3.5	6	37	209
613058	58 - 62	242	3.5	4	7	46	320
613059	68 - 75	242	3.5	4	7	46	303
613060	80 - 90	281	4	5	8	61	472
613061	95 - 100	281	4	5	8	61	436
613062	110 - 115	334	4	5	10	81	805
613063	120 - 130	334	4	5	10	81	829



## 255/2CT

### Set of hook wrenches in bag



- 9x hook wrench (article 255/2) dim. 30 - 32, 40 - 42, 45 - 50, 52 - 55, 58 - 62, 68 - 75, 80 - 90, 95 - 100, 110 - 115

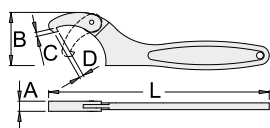
SKU	↔	👤
615156	30 - 115	9

## 255/2F

### Flexible hook wrench



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	🌀	L	C	D	A	B	👤
615027	15 - 35	140	2,5	2,5	7	25	83
615028	35 - 50	201	4	4	10	41.5	196
615029	50 - 80	262	5	5	12	68	455
615030	80 - 120	320	5.5	5.5	14	86	829
615031	120 - 180	418	7.5	9	16	134	1768

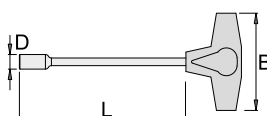


## 193N

### Socket wrench with T-handle



- material: premium chrome vanadium steel
- handle - polypropylene
- surface finishing: blade chrome plated according to ISO 1456:2009



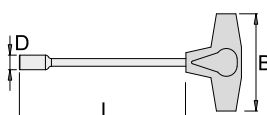
SKU	🌀	D	L	B	👤
608283	5.5	8.8	230	88	106
608284	6	9	230	88	107
608285	7	11	230	88	112
608286	8	12	230	88	135
608287	9	13	230	88	160
608288	10	14	230	88	161
608289	11	16	230	88	169
608290	12	17.5	230	88	196
608291	13	18	230	88	199
608292	14	20	230	88	208
608293	15	22	230	88	212
608295	17	23	230	88	223

## 193NTX

### Socket with internal TX profile and T-handle



- material: premium chrome vanadium steel
- handle - polypropylene
- surface finishing: blade chrome plated according to ISO 1456:2009



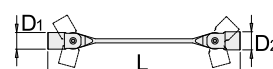
SKU	🌀	D	L	B	👤
621376	E10	12	231	89	157

## 202/1

### Double swivel end socket wrench



- material: premium chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- drop forged, entirely hardened and tempered



SKU	🌀	L	D	D1	👤
609132	8 x 9	198	12	13	96
609133	8 x 10	200.5	12	14.6	82
609134	10 x 11	214	14.6	16	95
609135	12 x 13	227	17	18	148
609136	13 x 17	242	18	23	213
609137	14 x 15	241	19.5	20.5	211
609138	16 x 17	255	22	24	295
609139	18 x 19	273	24.5	26	391
609141	20 x 22	295	27.5	30	518



## 202/1CT

### Set of double swivel end socket wrenches in bag



#### Set includes:

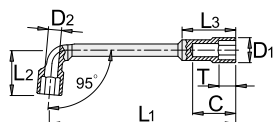
- 8x double swivel end socket wrench (article 202/1) dim. 8x9, 10x11, 12x13, 13x17, 14x15, 16x17, 18x19, 20x22

SKU	↔	👤
615472	8 - 22	8

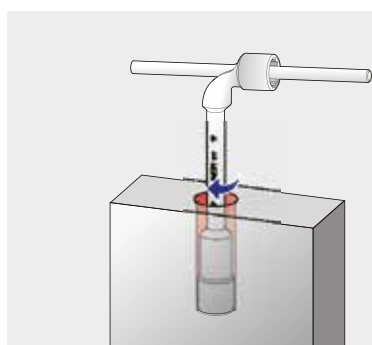
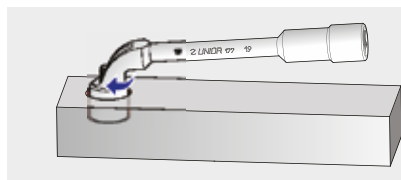
## Double ended offset socket wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	⊖	L1	L2	C	D1	T	L3	D2	⚙
609102	6	104,5	22	22	11	7	29	5	44
609103	7	108	25	23	12	8	30,5	5	47
609104	8	113	26	27	13	10	30	6,5	76
609105	9	118	27	29	14,5	10	33	7	78
609106	10	123	31	32	16	11	35	7,5	123
609107	11	128,5	32	31	17	12	37	7,5	125
609108	12	135	33	34	18	12	40	8,5	161
609109	13	143	36,5	40	19	14	47	9	186
609110	14	149,5	40	41	21	14	48	10,5	226
609111	15	163	41,5	43	22,5	15	50	11	236
609112	16	173	46,5	47	24	17	54	13	340
609113	17	184,5	46,5	49	25	18	56	13	360
609114	18	198	49	51,5	26,5	19,5	58	13	411
609115	19	204	52	52,5	28	20,5	62	14	445
609116	20	207	53,5	54,5	30	21,5	63	14	495
609117	21	216	57	57,5	30,5	23,5	65	15	487
609118	22	231	57	58	32	23,5	67	16	590
609119	23	238	62	64,5	33,5	24,5	74	18	640
609120	24	249	64,5	68,5	34	25,5	77	18	713
609121	25	260	67	69,5	36	25,5	79	19,5	703
609122	26	270,5	68	70	36	27	81	22	876
609123	27	280	68	71	37	25,5	80	20	867
609124	28	290,5	70	73,5	38,5	27,5	84	21	1045
609125	29	298,5	72	78,5	41	28,5	90	22	1140
609126	30	311	75	80,5	42	28,5	93	23	1257
609127	32	330,5	79	82,5	45	28,5	95	24	1434
609128	35	340	90	97,5	48	35,5	108	25	2200
609129	36	376	80	86	50	30	100	25	2235



## Set of double ended offset socket wrenches in carton box



## Set includes:

- 16x double ended offset socket wrench (article 176) dim. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24

SKU	⊖	⤴
609130	8 - 24	16

## Set of double ended offset socket wrenches in carton box



## Set includes:

- 22x double ended offset socket wrench (article 176) dim. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32

SKU	⊖	⤴
609131	8 - 32	22

## Set of double ended offset socket wrenches in carton box



## Set includes:

- 6x double ended offset socket wrench (article 176) dim. 8, 10, 11, 13, 17, 19

SKU	⊖	⤴
620581	8 - 19	6

## Set of double ended offset socket wrenches in carton box



## Set includes:

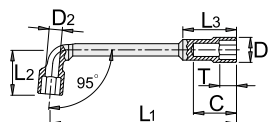
- 11x double ended offset socket wrench (article 176) dim. 8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24

SKU	⊖	⤴
620582	8 - 24	11

## Double ended offset socket wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	⊖	L1	L2	C	D1	T	L3	D2	⚙
609083	8	113	26	27	13	10	30	6,5	76
609084	9	118	27	29	14,5	10	33	7	78
609085	10	123	31	32	16	11	35	7,5	123
609086	11	128,5	32	31	17	12	37	7,5	125
609087	12	135	33	34	18	12	40	8,5	161
609088	13	143	36,5	40	19	11	47	9	186
609089	14	149,5	40	41	21	14	48	10,5	226
609090	15	163	41,5	43	22,5	15	50	11	236
609091	16	173	46,5	47	24	17	54	13	340
609092	17	184,5	46,5	49	25	18	56	13	360
609093	18	198	49	51,5	26,5	19,5	58	13	411
609094	19	204	52	52,5	28	20,5	62	14	445
609095	20	207	53,5	54,5	30	21,5	63	14	495
609096	21	216	57	57,7	30,5	23,5	65	15	487
609097	22	231	57	58	32	23,5	67	16	590
609098	23	238	62	64,5	33,5	24,5	74	18	640
609099	24	249	64,5	68,5	34,5	25,5	77	18	713



## 177CB

### Set of double ended offset socket wrenches in carton box



#### Set includes:

- 16x double ended offset socket wrench (article 177) dim. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24

SKU		
609100	8 - 24	16

## 177CS6

### Set of double ended offset socket wrenches in carton box



#### Set includes:

- 6x double ended offset socket wrench (article 177) dim. 8, 10, 11, 13, 17, 19

SKU		
620583	8 - 19	6

## 177CS11

### Set of double ended offset socket wrenches in carton box



#### Set includes:

- 11x double ended offset socket wrench (article 177) dim. 8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24

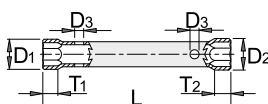
SKU		
620584	8 - 24	11

## 215/2

### Tubular box wrench



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard DIN 896 (only metric dimension)



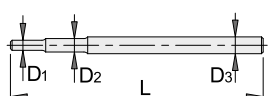
SKU		L	D1	D2	D3	T1	T2	
600696	6 x 7	105	10	11.2	6.3	8	8	28
600697	8 x 9	105	12.7	14	6.3	9	9	39
600698	8 x 10	120	12.8	15	6.3	8	8	64
600699	10 x 11	120	15.5	16.7	6.3	10	10	64
600700	12 x 13	140	18.2	19.5	8.5	12	12	104
600717	13 x 17	150	20	24.6	10.5	13	13	144
600701	14 x 15	140	21.2	22.3	8.5	14	14	134
600718	14 x 17	150	21.2	24.6	10.5	13	13	142
600702	16 x 17	150	23.5	24.6	10.5	15	15	158
600719	17 x 19	160	24.6	27	12.5	16	16	183
600703	18 x 19	155	25.8	27	12.5	16	16	184
605044	19 x 22	170	27	31.4	12.5	18	18	266
607960	19 x 24	160	27	33.7	14.5	20	20	230
600705	20 x 22	165	29	31.4	12.5	18	18	269
600706	21 x 23	165	30.3	32.5	14.5	20	20	282
607962	22 x 24	160	31.4	33.7	14.5	20	20	299
600707	24 x 26	185	33.7	36	14.5	22	22	356
600723	24 x 27	190	33.7	37.2	14.5	22	22	374
600708	25 x 28	200	34.8	38.3	16.5	24	24	432
600709	27 x 32	200	38.1	44	16.5	27	27	536
602557	30 x 32	200	41.6	44	16.5	27	27	585
603128	30 x 36	215	42.6	49.6	18.5	28	28	730
618575	41 x 46	235	52	57	22	34	34	1555
618577	50 x 55	235	63	68	21	39	75	2030

## 215.1/2

### Rod for 215/2



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU		L	D1	D2	D3	
600745	6 - 17	230	6	8	10	137
600747	18 - 32	330	12	14	16	493
624342	36 - 55	500	18	20	20	1202

## 215/2CB

### Set of tubular box wrenches in carton box



#### Set includes:

- 12x tubular box wrench (article 215/2) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32
- Rod (article 215.1/2) 1x dim. 230 (for tubular box wrench 6-17mm) and 1x dim. 330 (for tubular box wrench 18-32mm)

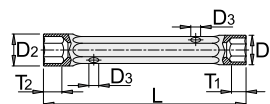
SKU		
600710	6 - 32	14

## 216/1

### Forged tubular box wrench



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard DIN 896 (only metric dimension)



SKU		L	D1	D2	T1	T2	dia	
615229	6 x 7	105	10	11	5	6	4	39
615230	8 x 9	110	12.5	13.5	6	7	5	54
615231	10 x 11	120	15	16	7.5	8	7	66
615232	12 x 13	140	17.5	19	8	9.5	8	128
615233	14 x 15	145	20	21.5	10	11	8	144
615234	16 x 17	155	22.5	24	11	12	10	195
615235	18 x 19	165	25.5	26	13	15	12	275
615236	20 x 22	175	28	30	15	16	14	289

MADE  
FOR  
WORK.

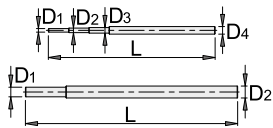


## 216.1

### Rod for 216/1



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	—	D1	D2	D3	D4	L	
615243	6 - 19	3.5	4.5	5.5	7.5	165	52
615244	20 - 36	9.5	11.8			210	178

## 216/1CB

### Set of forged tubular box wrenches in carton box



#### Set includes:

- 8x forged tubular box wrench (article 216/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22
- Rod (article 216.1) 1x dim. 165 (for tubular box wrench 6-19mm)

SKU	—	
615252	6 - 22	9



193HX

## 217/2

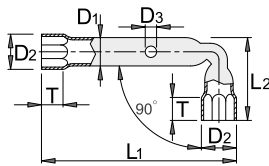
### Offset tubular box wrench



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009

#### Usage:

- In industry or repair shops for working in inaccessible areas. The through hole enables tightening of fasteners with a long projecting thread.



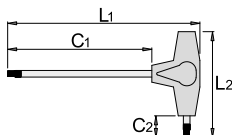
SKU	⊕	L1	L2	D1	D2	D3	T	
617053	5.5	98	25	7	8,5	4.3	7	18
617054	6	103	26	9	10	5,3	8	35
617056	8	112	34	11	12,5	6.3	9	48
617057	9	110	34	11	13,5	6.3	9	54
617058	10	121	41	13	15.5	6.3	10	82
617059	11	120	40	13	16,7	6.3	10	81
617060	12	135	46	16	18,2	8.5	12	123
617061	13	133	46	16	19,5	8.5	12	126
617063	15	135	51	18	22,3	8.5	14	163
617065	17	140	56	20	24,6	10.5	15	197
617066	18	149	65	22	25,8	12.5	16	234
617067	19	150	64	22	27	12.5	16	237
617070	22	159	71	25	31,4	12.5	20	353

## 193HX

### T-handle hex wrench



- material: blade from premium chrome vanadium steel
- handle - polypropylene
- blade chrome plated, black anodised tip



SKU	⬢	L1	C1	C2	L2	
623238	2	155	125	15	61	12
607161	2.5	155	125	15	61	13

607162	3	155	125	15	61	16
607163	3.5	155	125	15	61	20
607164	4	155	125	15	61	24
607165	4.5	188	150	20	88	57
607166	5	188	150	20	88	56
607167	6	188	150	20	88	74
607168	7	223	175	25	113	128
607169	8	223	175	25	113	155
607170	10	248	200	25	113	233



## 193HXC

### Set of T-handle hex wrenches in carton box



#### Set includes:

- 10x T-handle hex wrench (article 193HX) dim. 2.5, 3, 3.5, 4, 4.5, 5, 6, 7, 8, 10

SKU	—	
608879	2.5 - 10	10





## 193HXCS

Set of T-handle hex wrenches in carton box



### Set includes:

- 7x T-handle hex wrench (article 193HX) dim. 2.5, 3, 4, 5, 6, 8, 10

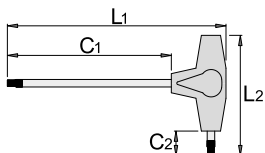
SKU		
607890	2.5 - 10	7

## 193HXS

T-handle ball-end hex wrench



- material: blade from premium chrome vanadium steel
- handle - polypropylene
- blade chrome plated, black anodised tip



SKU		L1	C1	C2	L2	
608276	2.5	155	125	15	61	13
608277	3	155	125	15	61	16
608278	4	155	125	15	61	25
608279	5	188	150	20	88	56
608280	6	188	150	20	88	72
608281	8	223	175	25	113	153
608282	10	248	200	25	113	234



## 193HXSCS

Set of T-handle ball - end hex wrenches in carton box



### Set includes:

- 7x T-handle ball-end hex wrench (article 193HXS) dim. 2.5, 3, 4, 5, 6, 8, 10

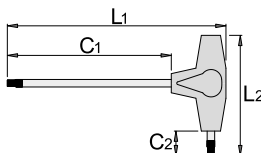
SKU		
609337	2.5 - 10	7

## 193TX

TX profile screwdriver with T-handle



- material: premium chrome vanadium steel
- handle - polypropylene
- blade chrome plated, black anodised tip



SKU		L1	C1	C2	L2	
607171	TX 6	155	125	15	61	15
607172	TX 7	155	125	15	61	15
607173	TX 8	155	125	15	61	15
607174	TX 9	155	125	15	61	15
607175	TX 10	155	125	15	61	15
607176	TX 15	155	125	15	61	19
607177	TX 20	155	125	15	61	22
607178	TX 25	188	150	20	88	46
607179	TX 27	188	150	20	88	58
607180	TX 30	188	150	20	88	67
607181	TX 40	223	175	25	113	118
607182	TX 45	223	175	25	113	142



## 193TXCB

Set of TX profile screwdrivers with T handle in carton box



### Set includes:

- 10x TX profile screwdriver with T-handle (article 193TX) dim. TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45

SKU		
608880	TX 6 - TX 45	10

## 193TXCS

Set of TX profile screwdrivers with T handle in carton box



### Set includes:

- 7x TX profile screwdriver with T-handle (article 193TX) dim. TX 10, TX 15, TX 20, TX 25, TX 30, TX 40, TX 45

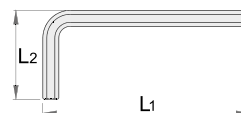
SKU		
607888	TX 10 - TX 45	7

## 220/3

Hex wrench



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: nickel plated
- made according to standard ISO 2936 (only metric dimension)



SKU		L1	L2	
607823	1.5	46.5	15.5	2.8
607824	2	52	18	1.72
607825	2.5	58.5	20.5	3
601036	3	66	23	5

601037	4	74	29	9.85
601038	5	85	33	18
601040	6	96	38	35
601041	7	102	41	47
601042	8	108	44	65
601044	10	122	50	108
601045	12	137	57	163
601046	14	154	70	258
601047	17	177	80	433
601048	19	199	89	603
616967	3/64"	41	13	5
616966	1/20"	41	13	5
611905	1/16"	47	16	5

## 220/3PB

### Set of hex wrenches in plastic wallet



#### Set includes:

- 6x hex wrench (article 220/3) dim. 3, 4, 5, 6, 8, 10

SKU		
601057	3 - 10	6

## 220/3PB

### Set of hex wrenches in plastic wallet



#### Set includes:

- 8x hex wrench (article 220/3) dim. 3, 4, 5, 6, 8, 10, 12, 14

SKU		
601059	3 - 14	8

## 220/3PB

### Set of hex wrenches in plastic wallet



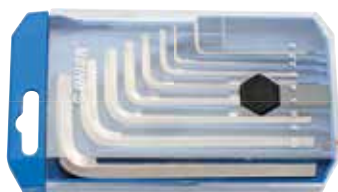
#### Set includes:

- 10x hex wrench (article 220/3) dim. 3, 4, 5, 6, 8, 10, 12, 14, 17, 19

SKU		
601061	3 - 19	10

## 220/3PB1

### Set of hex wrenches in plastic box



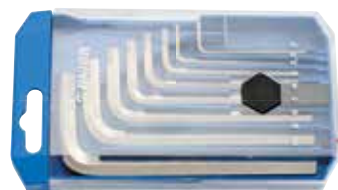
#### Set includes:

- 8x hex wrench (article 220/3) dim. 2, 2.5, 3, 4, 5, 6, 8, 10

SKU		
610914	2 - 10	8

## 220/3PB1

### Set of hex wrenches in plastic box



- Set include dimensions 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

SKU		
612161	5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"	8

## 220/3PH

### Set of hex wrenches on plastic clip



#### Set includes:

- 9x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

SKU		
607852	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	9

## 220/3PH

### Set of hex wrenches on plastic clip



#### Set includes:

- 10x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12 on plastic clip

SKU		
617079	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12	12

## 220FH

### Set of hexagon wrenches in folding holder



- Set include dimensions 2.5, 3, 4, 5, 6, 8, 10

SKU		
617146	2.5, 3, 4, 5, 6, 8, 10	300

## 220FH

### Set of hexagon wrenches in folding holder



- Set include dimensions 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

SKU		
617149	3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"	300

## 220/3MH

Set of hex wrenches in metal folding holder



➤ Set include dimensions 2.5, 3, 4, 5, 6, 8, 10

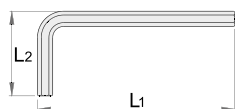
SKU		
610986	2.5, 3, 4, 5, 6, 8, 10	349

## 220/3L

Hex wrench, long type



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: nickel plated
- made according to standard ISO 2936 (only metric dimension)



SKU		L1	L2	
608510	1.5	91.5	15.5	1
608511	2	102	18	7
608512	2.5	114.5	20.5	10
608513	3	129	23	14
608514	4	144	29	22
608515	5	165	33	35
608516	6	186	38	55
608517	7	197	41	78
608518	8	208	44	105
608519	10	234	50	105
608520	12	262	57	105
608521	14	294	70	437
608522	17	337	80	753
608523	19	379	89	1026
616975	1/16"	92	16	6
616976	5/64"	102	18	7
616977	3/32"	114	20	10
616978	1/8"	129	23	14
616979	9/64"	140	26	22
616980	5/32"	144	29	22
616981	3/16"	165	33	35
616982	7/32"	176	36	55
616983	1/4"	186	38	55
616984	5/16"	208	44	105
616985	3/8"	234	50	105
616986	7/16"	261	53	105
616987	1/2"	293	63	105
616988	9/16"	294	69	437
616989	5/8"	336	76	753
616990	3/4"	379	89	1026

## 220/3LPB2

Set of hex wrenches, long type in plastic box



Set includes:

- 8x hex wrench, long type (article 220/3L) dim. 2, 2.5, 3, 4, 5, 6, 8, 10

SKU		
610915	2 - 10	8

## 220/3LPH

Set of hex wrenches, long type on plastic clip



Set includes:

- 9x hex wrench, long type (article 220/3L) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

SKU		
608533	1.5 - 10	9

## 220/3LPH

Set of hex wrenches, long type on plastic clip



Set includes:

- 10x hex wrench, long type (article 220/3L) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12

SKU		
617080	1.5 - 12	10

## 220/3LPH

Set of hex wrenches, long type on plastic clip



Set includes:

- 9x hex wrench, long type (article 220/3L) dim. 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

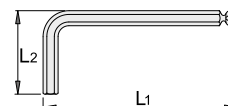
SKU		
617082	1/16" - 3/8"	9

## 220/3S

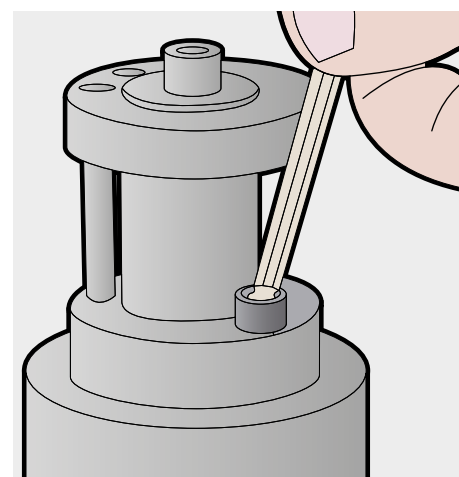
Ball-end hex wrench



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: nickel plated



SKU		L1	L2	
607826	1.5	46.5	15.5	5
607827	2	52	18	6
607828	2.5	58.5	20.5	7
607829	3	66	23	10
607830	4	74	29	15
607831	5	85	33	23
607832	6	96	38	35
607834	8	108	44	65
607835	10	122	50	108





## 220/3SFH

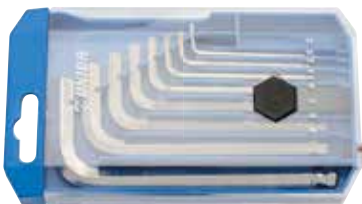
Set of ball-end hex wrenches in folding holder



SKU		
617147	2.5, 3, 4, 5, 6, 8, 10	298

## 220/3SPB1

Set of ball-end hex wrenches in plastic box



Set includes:

- 8x ball-end hex wrench (article 220/3S) dim. 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip



SKU		
610916	2 - 10	8

## 220/3SPH

Set of ball-end hex wrenches on plastic clip



Set includes:

- 9x ball-end hex wrench (article 220/3S) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip



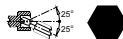
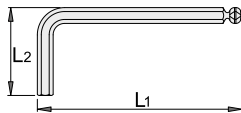
SKU		
607853	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	9

## 220/3SL

Ball-end hex wrench, long type



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: nickel plated



SKU		L1	L2	
608524	1.5	91.5	15.5	6
608525	2	102	18	7
608526	2.5	114.5	20.5	10
608527	3	129	23	14
608528	4	144	29	22
608529	5	165	33	35
608530	6	186	38	55
608531	8	208	44	105
608532	10	234	50	105

## 220/3SLPB2

Set of ball-end hex wrenches, long type in plastic box



Set includes:

- 8x ball-end hex wrench, long type (article 220/3SL) dim. 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip



SKU		
610917	2 - 10	8

## 220/3SLPH

Set of ball-end hex wrenches, long type on plastic clip



Set includes:

- 9x ball-end hex wrench, long type (article 220/3SL) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip



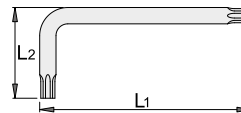
SKU		
608534	1.5 - 10	9

## 220/7TX

Wrench with TX profile and hole



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: blacken to standard DIN 50938



SKU		L1	L2	
616296	TR 9	59	19	4
609173	TR 10	65	20	5
609174	TR 15	75.5	20.5	6
609175	TR 20	87	22	10
609176	TR 25	97.5	22.5	16
609177	TR 27	105.5	25.5	18
609178	TR 30	111	30	26
609179	TR 40	119	33	36



## 220/7TXPH

Set of wrenches with TX profile and hole in plastic clip



Set includes:

- 9x wrench with TX profile and hole (article 220/7TX) dim. TR 8, TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40 on plastic clip



SKU		
613089	TR 8 - TR 40	9

## 220/7TXN

### Wrench with TX profile



- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: blacken to standard DIN 50938



SKU	★	L1	L2	🔒
616991	TX 6	46,5	19,5	2
616992	TX 7	52,5	19,5	3
616993	TX 8	53	20	4
616994	TX 9	53	20	4
616995	TX 10	56	21	4
616996	TX 15	59,5	22,5	5
616997	TX 20	63	24	8
616998	TX 25	66,5	25,5	12
616999	TX 27	71,5	27,5	13
617000	TX 30	78	31	20
617001	TX 40	85	34	28
617004	TX 55	122	48	126

## 220/7TXNFH

### Set of wrenches with TX profile in folding holder



- Set include dimensions TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40

SKU	🔒
617150	TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40 300

## 220/7TXNPH

### Set of wrenches with TX profile in plastic clip



#### Set includes:

- 9x wrench with TX profile (article 220/7TXN) dim. TX 8, TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40 on plastic clip

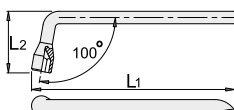
SKU	🔒	👤
617077	TX 8 - TX 40	9

## 210/2

### Wheel nut wrench



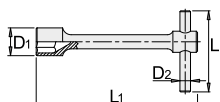
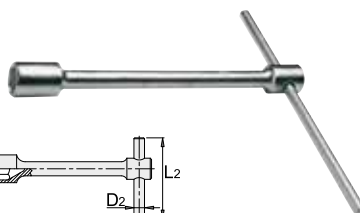
- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	⊖	L1	L2	🔒
600782	17	255	27	476
600783	19	285	29,5	541

## 212/2

### Wheel nut wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO DIN 3112

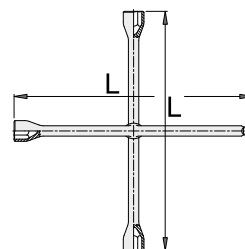
SKU	⊖	L1	D1	L2	D2	🔒
600788	24	315	33	400	14	1280
600789	27	355	38	400	20	2220
600790	30	425	42	400	20	2450
600791	32	430	47,5	400	20	2815

## 213/6

### Four-way rim wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- lacquered
- made according to standard ISO 6788 (only metric dimension)



SKU	⊖	⊖	⊖	⊖	L	🔒
600811	17	19	22	1/2"	370	1430
600809	17	19	21	23	370	1511
600812	17	19	22	24	370	1500
600813	24	27	30	3/4"	700	4400
600814	24	27	30	32	700	4600

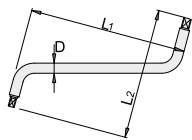


175/2

### Wrench for oil drain plugs



- › material: premium chrome vanadium steel
- › entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



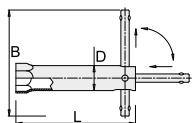
SKU	■	L1	L2	D	🔒
605112	8 x 10	202	169	13	305

185/2

### Spark plug wrench



- › material: premium chrome vanadium steel
- › surface finish: chrome plated according to ISO 1456:2009



SKU	⊖	D	L	B	🔒
600771	16	19	145	120	182
607956	19	22	115	120	199
600772	21	24	115	120	177
600773	21	24	180	120	248

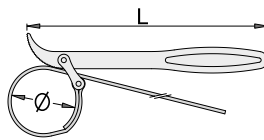


205/2

### Strap wrench



- › material: premium chrome vanadium steel
- › strap from rubberized cloth
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



SKU	ØD	L	🔒
601024	60 - 140	225	225

205.1

### Strap for 205/2



- › strap from rubberized cloth

SKU	L	🔒
602841	540	62

200/2CB

### Set of starter and block wrenches in carton box



- › 5x starter and block wrench (article 200/2) dim. 11x13, 13x17, 14x17, 15x16, 19x22

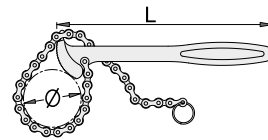
SKU	↔	👉
600677	11 - 22	5

206/2

### Chain wrench



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



SKU	ØD	L	🔒
601025	60 - 140	224,5	330

206.1

### Chain for 206/2



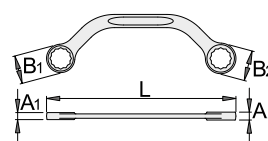
SKU	L	🔒
620938	500	150

200/2

### Starter and block wrench



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



SKU	⊖	L	B1	B2	A1	A2	🔒
600671	11 x 13	150	16.5	19	7	8.5	54
600672	13 x 17	185	19.2	24.2	8.7	10.3	99
600673	14 x 17	185	20.5	24.2	8.7	10.3	104
600674	15 x 16	185	21.6	23.6	8.7	10.3	104
600676	19 x 22	230	27.2	31.8	10	11.5	178









# RATCHETS, SOCKETS AND ACCESSORIES

## The ratchet – an indispensable part of a socket set!

The ratchet is an indispensable and essential part of every set of socket wrenches. Unior Ratchets are based on carefully made forgings from our own forge, and are processed on dedicated CNC machines, developed and produced by us. The knowledge that we have with more than 100 years of tradition is captured in the overall design development, and over time has made for a very precise mechanism, thoughtful design and good optimisation. Thus, with the possibility of replacing worn out components with new ones that we offer as spare parts, a Unior tool can last forever.



» **DURABILITY** – above the prescribed DIN standards.

» **RATCHET WITH AN INNOVATIVE MECHANISM** – they provide large torque and a smaller working angle.

» **SAFETY AGAINST SOCKET WRENCH DISENGAGEMENT** – one of the advantages of the Unior ratchet is the special locking system for socket wrenches, which releases the spanner with a single push of a button. This system further improves safety at work and the quick locking of the socket wrenches.

1/4" DRIVE SOCKETS AND ACCESSORIES **52 - 57**

3/8" DRIVE SOCKETS AND ACCESSORIES **58 - 62**

1/2" DRIVE SOCKETS AND ACCESSORIES **63 - 72**

3/4" DRIVE SOCKETS AND ACCESSORIES **73 - 74**

1" DRIVE SOCKETS AND ACCESSORIES **74 - 76**

IMPACT SOCKET WRENCHES **77 - 81**





## Premium Flex chrome vanadium steel

### Excellence that can withstand high torque

A lower susceptibility to cracking is particularly important for tools such as socket wrenches. Tool steel with a higher chrome and manganese content guarantees a higher tensile strength. An appropriate carbon content simultaneously ensures the corresponding hardness of the tool. Premium Flex chrome vanadium steel, an alloyed tool steel with manganese, chrome and carbon, allows for the redesign of tools that can withstand high torques.

### Alloyed tool steel 25CrMo4, in accordance with EU directive 2000/53/EC

- › 0.75% manganese for higher tensile strength and ductility
- › 1,00% chrome for lower susceptibility to cracking and higher tensile strength
- › 0.35% carbon for appropriate tool hardness



### WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

# A special procedure for the manufacture of ratchets

## Ratchet

**1. Cutting:** Cutting material is the first operation in the technological procedure to manufacture a ratchet casing. Optimum design of a cut provides optimal use of material.

**2. Forging:** The forging technology at Unior ensures excellent strength properties of wrenches. Notably, it maintains an appropriate course of fibres in a forged part, leaving them uninterrupted and the same as in a rolled blank. That characteristic is vital for achieving the characteristics of products typically exposed to heavy and dynamic loads, such as a ratchet.

**3. Trimming:** Superfluous material around a forged part is removed using a special purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

## Ratchet casing

**4. CNC working:** A CNC machine is used to make a ratchet casing within the necessary tolerance margins for optimal functioning of the final product.

**5. Heat treatment (quenching and tempering) and sanding:** The heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

**6. Sanding:** Cleaning the surface before chroming is important for the sake of quality and durable surface protection.

**7. Chroming:** A ratchet housing is plated with a thin, but hard coating of chromium oxide that protects against corrosion and wear and other external influence. At the same time, it gives the entire product a brilliant and professional appearance.

## Pinion

**8. Machining is carried out on a CNC machine, which ensures the necessary accuracy.** The pinion is one of the essential elements of a ratchet and individual sizes have to be executed within very narrow tolerance margins.

**9. Teeth on a pinion are shaped with a broaching operation.** The obtained 75-teeth geometry guarantees the necessary two-sided shifting of an Unior ratchet.

**10. Cleaning the surface after heat treatment**

**11. Shift lever**

**12. Closing element**

**13. Shift button**

**14. Cover**

**15. Ejector pin:** Ratchet parts 12-16 are made using advanced manufacturing procedures, such as sintering and injection moulding. Quality materials provide optimum strength and premium durability.

## Assembly

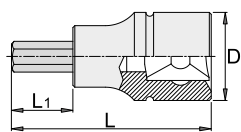
**16. Final assembly:** Well qualified, skilled and meticulous employees performing the final ratchet assembly will assemble the product into a whole ensuring a top quality final product. An Unior ratchet will withstand up to 30% higher loads than standard requirements.

## 187/2HX

### Hex socket 1/4"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered
- › made according to standard DIN 7422 (only metric dimension)



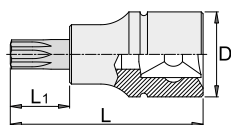
SKU		L	L1	D	
625741	2,5	32	13	12	15
607898	3	32	13	12	18
607899	4	32	13	12	18
607900	5	32	13	12	18
607901	6	32	13	12	18
607902	7	32	13	12	18

## 187/2TX

### Screwdriver socket with TX profile 1/4"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



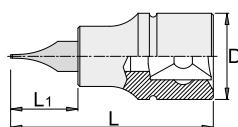
SKU		L	L1	D	
607903	TX 8	32	13	12	15
607904	TX 10	32	13	12	15
607905	TX 15	32	13	12	15
607906	TX 20	32	13	12	15
607907	TX 25	32	13	12	15
607908	TX 27	32	13	12	15
607909	TX 30	32	13	12	15
607910	TX 40	32	13	12	17

## 187/2SL

### Slotted screwdriver socket 1/4"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



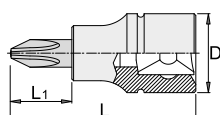
SKU	axb	L	L1	D	
607895	0,8 x 4	32	13	12	15
607896	1,0 x 5,5	32	13	12	15
607897	1,2 x 7	32	13	12	17

## 187/2PH

### Crosstip screwdriver socket 1/4"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



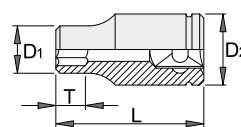
SKU	+	L	L1	D	
607892	PH 1	32	13	12	14
607893	PH 2	32	13	12	14
607894	PH 3	32	13	12	15

## 188/2 6p

### Socket 1/4", 6 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 2725-1 (only metric dimension)



SKU		L	D1	D2	T	
618682	3,2	25	6	12	4	15
600815	4	25	6,8	11,9	5	15
600816	4,5	25	7,1	11,9	5	15
600817	5	25	8	11,9	5	15
600818	5,5	25	8,3	11,9	5	15
600819	6	25	9,3	11,9	5	15
600820	7	25	10,5	11,9	5	15
600821	8	25	11,9	11,9	5	15
600822	9	25	12,9	12,9	8	15
600823	10	25	13,9	13,9	8	39
600824	11	25	15,9	15,9	8	39
603130	12	25	16,9	16,9	8	39
600825	13	25	17,9	17,9	10	39
603131	14	25	19,7	19,7	10	39
618683	3/16"	25	8	11,9	5	15
618684	7/32"	25	8,8	11,9	5	15
618685	1/4"	25	9,3	11,9	5	15
618686	9/32"	25	10,5	11,9	5	15
618687	5/16"	25	11,9	11,9	5	15
618688	11/32"	25	12,9	12,9	5	15
618689	3/8"	25	13,9	13,9	8	39
618690	13/32"	25	14,9	14,1	8	39
618691	7/16"	25	10,5	15,9	8	39
618692	1/2"	25	17,9	17,9	10	39
618693	9/16"	25	19,7	19,7	10	39



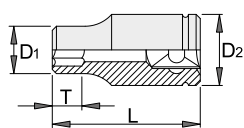


## 188/2 12p

### Socket 1/4", 12 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 2725-1 (only metric dimension)



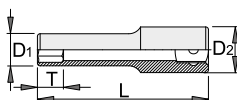
SKU	⊕	L	D1	D2	T	⚙
616857	4	25	6.8	11.9	5	15
616858	4.5	25	7.1	11.9	5	15
616859	5	25	8	11.9	5	15
616860	5.5	25	8.3	11.9	5	15
616861	6	25	9.3	11.9	5	15
616862	7	25	10.5	11.9	5	15
616863	8	25	10.5	11.9	5	15
616864	9	25	10.5	13.1	8	15
616865	10	25	10.5	14.5	8	39
616866	11	25	10.5	15.8	8	39
616867	12	25	10.5	16.8	8	39
616868	13	25	10.5	17.8	10	39
616869	14	25	10.5	19.6	10	39
616870	3/16"	25	8	11.9	5	15
616871	7/32"	25	8.3	11.9	5	15
616872	1/4"	25	9.3	11.9	5	15
616873	9/32"	25	10.5	11.9	5	15
616874	5/16"	25	10.5	11.9	5	15
616875	11/32"	25	10.5	12.9	5	15
616876	3/8"	25	10.5	13.9	8	39
616877	13/32"	25	10.5	14	8	39
616878	7/16"	25	10.5	15.8	8	39
616879	1/2"	25	10.5	17.8	10	39
616880	9/16"	25	10.5	19.6	10	39

## 188/2L6p

### Socket 1/4", long type, 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 2725-1 (only metric dimension)



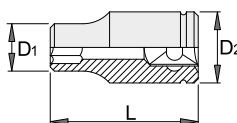
SKU	⊕	L	D1	D2	T	⚙
618697	3.2	50	6	12	8	20
616881	4	50	6.8	11.9	5	20
616882	4.5	50	7.1	11.9	5	20
616883	5	50	8	11.9	5	20
616884	5.5	50	8.3	11.9	5	20
616885	6	50	9.3	11.9	8	20
616886	7	50	10.5	11.9	8	31
616887	8	50	11.9	11.9	8	71
616888	9	50	13.1	13.1	11	71
616889	10	50	14.5	14.5	11	71
616890	11	50	15.8	15.8	11	71
616891	12	50	16.8	16.8	13	71
616892	13	50	17.8	17.8	13	71
616893	14	50	19.6	19.6	16	71

## 189/2

### Socket with internal TX profile 1/4"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	⊕	L	D2	D1	⚙
607911	E 4	25	12	5.4	15
607912	E 5	25	12	6.7	15
607913	E 6	25	12	7.7	15
607914	E 7	25	12	8.3	15
607915	E 8	25	12	10.1	15
607916	E 10	25	12	11.3	15
607917	E 11	25	12	12.9	15

## 188.1/1ABI

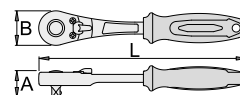
### Reversible ratchet 1/4"



- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- made according to standard ISO 3315

#### Advantages:

- with 40 - teeth
- 9° working angle
- Safety lock system
- The socket is released from the ratchet by simple pressing the button.



1/4"

SKU	■	L	A	B	⚙
611901	1/4"	157	24.5	25	111

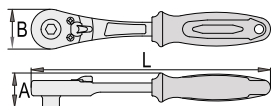


## 188.1/1BBI

### Ratchet for bits 6,3



- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009
- › ergonomic heavy duty double component handle
- › for bits 6,3 mm



SKU	□	L	A	B	1/4"
625355	6,3	157	17,5	25	114

## 188.2/2BI

### Swivel handle 1/4"



- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009
- › ergonomic heavy duty double component handle
- › made according to standard ISO 3315



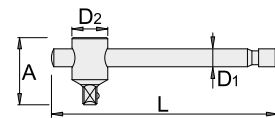
SKU	□	L	1/4"
611902	1/4"	150	81

## 188.3/2

### Sliding T - handle 1/4"



- › material: premium flex chrome vanadium steel
- › entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard ISO 3315



SKU	□	L	A	D1	D2	1/4"
600830	1/4"	120	24	7	14	47

## 188.1/1FBI

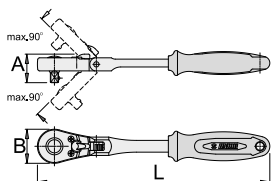
### Flexible reversible ratchet 1/4"



- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009
- › ergonomic heavy duty double component handle

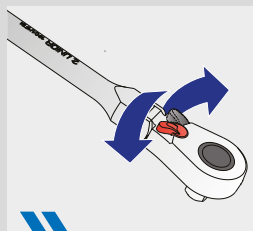
#### Advantages:

- › with 40 - teeth
- › 9° working angle
- › flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps
- › Safety lock system
- › The socket is released from the ratchet by simple pressing the button.

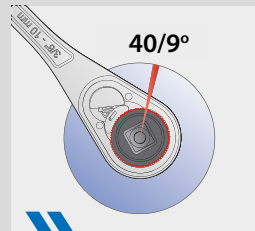


SKU	□	L	A	B	1/4"
618367	1/4"	180	22	25	127

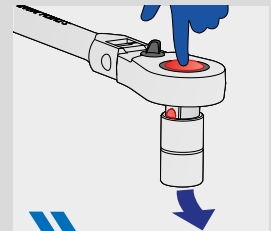
## 188.1/1FBI



Flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps.



With 40 - teeth.  
9° working angle.



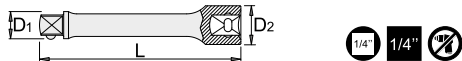
The socket is released from the ratchet by simple pressing the button.

## 188.4/2

### Extension bar 1/4"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3316



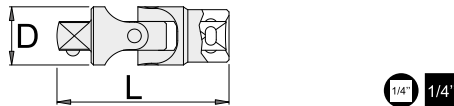
SKU	■	L	D1	D2	🔒
600826	1/4"	55	8,3	12	18
625393	1/4"	100	8,3	12	35
600827	1/4"	150	8,3	12	50

## 188.6/2

### Universal joint 1/4"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3316



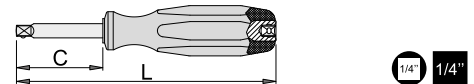
SKU	■	L	D	🔒
607821	1/4"	41	14	35

## 188.8

### Spinner handle 1/4"



- › material: premium flex chrome vanadium steel
- › handle - polypropylene
- › made according to standard ISO 3315



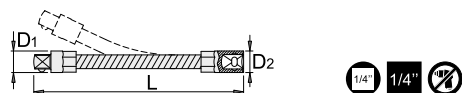
SKU	■	L	C	🔒
607349	1/4"	150	50	97

## 188.4/2F

### Flexible extension bar 1/4"



- › material: premium flex chrome vanadium steel
- › entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



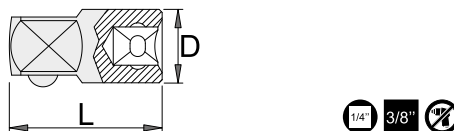
SKU	■	L	D1	D2	🔒
612868	1/4"	150	8.3	12	56

## 188.7/2

### Adaptor 1/4"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3316



SKU	↔	L	D	🔒
607976	1/4" - 3/8"	35	12	23

## 188.9

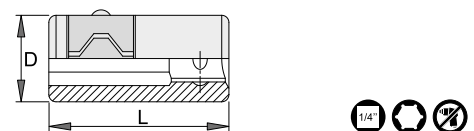
### Adaptor for bits



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009

#### Usage:

- › for bits E6,3, C6,3



SKU	↔	L	D	🔒
612867	1/4" - 1/4"	25	12	18

## 188.4/2S

### Ball-end extension bar 1/4"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009

#### Advantages:

- › ball end shape enables working at an angle of 9°



SKU	■	L	D1	D2	🔒
610911	1/4"	55	8	12	18
610910	1/4"	150	8	12	51



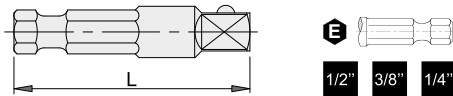


## 188.10

### Socket adaptor



- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- made according to standard DIN 7428



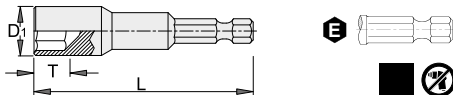
SKU	L	L	
604531	1/4" (6.3) - 1/4"	50	15
616808	1/4" (6.3) - 3/8"	50	20
616809	1/4" (6.3) - 1/2"	50	33

## 188.10A

### Bit with socket wrench



- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- with magnet
- made according to standard DIN 7424



SKU	L	D1	L	T	
619448	6.3(1/4")	8	12.5	65	3.9 27
618701	6.3(1/4")	10	14.5	65	5 33
618702	6.3(1/4")	13	18	65	6 47
618703	6.3(1/4")	17	23.3	65	9.5 74

## 188.13

### Bits adaptor with 10mm hexagonal drive



- material: premium flex chrome vanadium steel
- entirely hardened and tempered



SKU	L	L	
620858	10	1/4"	20

## 188H

### Rail for 1/4" sockets



- dimension 165 - for set 10 pcs 4-13, maximum numbers of clips 13
- dimension 205 - 10 pcs set same dimension (14), maximum numbers of clips 17

1/4"

SKU	L	
619088	165	43
619235	205	53

## 188H1

### Set of 10 pieces socket clips 1/4" for 188H



1/4"

SKU	
619410	11

## 188H6P12

### Socket set 1/4" on rail



#### Set includes:

- 12x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 1x rail, length 205mm



SKU	L	
622628	4 - 13	12

## 188H6LP9

### Socket set 1/4", long type on rail



#### Set includes:

- 9x Socket 1/4", long type, 6 point (article 188/2L6P) dim. 4, 5, 6, 7, 8, 9, 10, 12, 13
- 1x rail, length 205mm



SKU	L	
622629	4 - 13	9

## 188B

### Socket set 1/4" in metal box



- Dimension of box: 321 x 198 x 54

#### Set includes:

- 13x socket 1/4", 12 point (article 188/2 12P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1.0x5.5, 1.2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint

1/4"



SKU	
615150	44

## 188C

### Socket set 1/4" in metal box



- Dimension of box: 321 x 198 x 54

#### Set includes:

- 13x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 15x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint

1/4"



SKU	
615151	33

## 188BI

### Socket set 1/4" in metal box



› Dimension of box: 197 x 105 x 38

#### Set includes:

- › 11x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
- › 1x reversible ratchet 1/4"
- › accessories 1/4"; 1x swivel handle, 1x sliding T-handle, 2x extension bar (55, 150mm)



SKU		
611996	4 - 13	16

## 188BI12P16

### Socket set 1/4" in metal box



› Dimension of box: 197 x 105 x 38

#### Set includes:

- › 11x socket 1/4", 12 point (article 188/2 12P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
- › 1x reversible ratchet 1/4"
- › accessories 1/4"; 1x swivel handle, 1x sliding T-handle, 2x extension bar (55, 150mm)



SKU		
617118	4 - 13	16

## 188BI6P16INCH

### Socket set 1/4" in metal box



› Dimension of box: 197 x 105 x 38

#### Set includes:

- › 11x socket 1/4", 6 point (article 188/2 6P) dim. 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16"
- › 1x reversible ratchet 1/4"
- › accessories 1/4"; 1x swivel handle, 1x sliding T-handle, 2x extension bar (55, 150mm)



SKU		
619413	3/16" - 9/16"	16

## 188BI12P16INCH

### Socket set 1/4" in metal box



› Dimension of box: 197 x 105 x 38

#### Set includes:

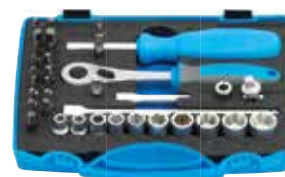
- › 11x socket 1/4", 12 point (article 188/2 12P) dim. 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16"
- › 1x reversible ratchet 1/4"
- › accessories 1/4"; 1x swivel handle, 1x sliding T-handle, 2x extension bar (55, 150mm)



SKU		
619414	3/16" - 9/16"	16

## 188BI6P36

### Socket and bits set 1/4"



› Dimension of box: 244 x 207 x 59

#### Set includes:

- › 10x socket 1/4", 6 point (article 188/2 6P) dim. 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- › 1x reversible ratchet 1/4"
- › accessories 1/4"; 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor for bits (1/4"-1/4")
- › 1x spinner handle 1/4"
- › 20x bits C6,3; hex (article 6469C6,3 dim. 3, 4, 5, 6), TX profile (article 6472C6,3 dim. TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 6463C6,3 dim. PH 1, PH 2, PH 3), double-crosstip (article 6466C6,3 dim. PZ 1, PZ 2, PZ 3), flat (article 6460C6,3 dim. 0.6x4.5, 1.2x6.5, 1.2x8.0)



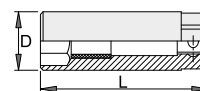
SKU	
621407	36

## 186.4/2

### Spark plug socket 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



SKU		D	L		
603193	16	22	63	19	68
620820	18	24.7	63	22	68
603192	19	26	63	22	68
600776	21	27	66	19	68

## 186.4/2A

### Spark plug socket 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



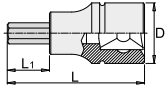
SKU		D	L		
622513	14	18	63	17	61

## 236/2HX

### Hex screwdriver socket 3/8"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered
- › made according to standard DIN 7422 (only metric dimension)



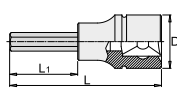
SKU	●	L	L1	D	📦
612082	4	48	22	18	39
612083	5	48	22	18	39
612084	6	48	22	18	41
612085	8	48	22	18	45
612086	10	48	22	18	56
617662	1/8"	48	22	18	39
617663	9/64"	48	22	18	39
617664	5/32"	48	22	18	39
617665	3/16"	48	22	18	39
617666	7/32"	48	22	18	41
617667	1/4"	48	22	18	41
617668	5/16"	48	22	18	45
617669	3/8"	48	22	18	56

## 236/2HXL

### Long hex screwdriver socket 3/8"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered
- › made according to standard DIN 7422 (only metric dimension)



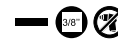
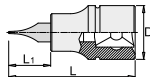
SKU	●	L	L1	D	📦
612087	4	92	66	18	65
612088	5	92	66	18	65
612089	6	92	66	18	65
612090	8	92	66	18	65
612091	10	92	66	18	65

## 236/2SL

### Slotted screwdriver socket 3/8"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



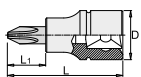
SKU	—	D	L	L1	📦
612098	5.5	18	48	22	42
612099	8	18	48	22	45

## 236/2PH

### Crosstip screwdriver socket 3/8"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



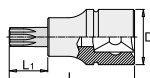
SKU	+	D	L	L1	📦
612093	PH 2	18	48	22	39
612094	PH 3	18	48	22	39

## 236/2TX

### Screwdriver socket 3/8" with TX profile



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



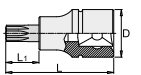
SKU	★	D	L	L1	📦
612101	TX 15	18	48	22	39
612102	TX 20	18	48	22	39
612103	TX 25	18	48	22	39
612104	TX 27	18	48	22	39
612105	TX 30	18	48	22	39
612106	TX 40	18	48	22	40

## 236/2ZX

### Screwdriver socket 3/8" with ZX profile



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered
- › made according to standard DIN 2324



SKU	●	L	L1	D	📦
612113	M5	48	22	18	37
612114	M6	48	22	18	39
612115	M8	48	22	18	46





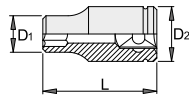


## 237/1

### Socket 3/8" with internal TX profile



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



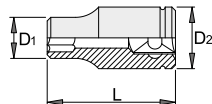
SKU	⊕	L	L1	D2	D1	⚙
612121	E 8	28	11	16.8	12	30
612122	E 10	28	11	16.8	13.5	32
612123	E 11	28	11	16.8	14	30
612124	E 12	28	11	16.8	15	32
612125	E 14	28	11	17.8	17	37
612126	E 16	28	11	19.8	19	45

## 238/16p

### Socket 3/8", 6 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished
- › made according to standard ISO 2725-1 (only metric dimension)



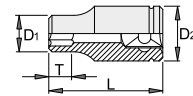
SKU	⊕	L	D1	D2	Tf	⚙
605322	6	28	10.2	16.9	8	28
605323	7	28	10.6	16.9	8	28
605324	8	28	11.8	16.9	8	28
605325	9	28	13.2	16.9	8	29
605326	10	28	14.5	16.9	8	29
605327	11	28	15.7	16.9	8	30
605328	12	28	16.9	16.9	8	31
605329	13	28	17.9	17.9	8	35
605330	14	28	19.7	19.7	12	41
605331	15	28	20.9	20.9	12	44
605332	16	30	21.9	21.9	12	52
605333	17	30	23.5	23.5	12	57
605334	18	30	24.7	21	12	57
605335	19	30	25.9	23	14	59
605336	20	32	27.2	24	14	73
605337	21	32	27.9	25	14	73
605338	22	32	29.7	26	14	88

## 238/112p

### Socket 3/8", 12 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished
- › made according to standard ISO 2725-1 (only metric dimension)



SKU	⊕	L	D1	D2	Tf	⚙
617122	6	28	10.2	16.9	8	28
616905	7	28	10.6	16.9	8	28
616906	8	28	11.8	16.9	8	29
616907	9	28	13.2	16.9	8	29
616908	10	28	14.5	16.9	8	30
616909	11	28	15.7	16.9	8	29
616910	12	28	16.9	16.9	8	28
616911	13	28	17.9	17.9	8	32
616912	14	28	19.6	17.9	12	39
616913	15	28	20.9	20.9	12	46
616914	16	30	21.9	21.9	12	48
616915	17	30	23.5	23.5	12	49
616916	18	30	24.7	21	12	65
616917	19	30	25.9	23	14	73
616918	20	32	27.2	24	14	86
616919	21	32	27.9	25	14	88
616920	22	32	29.7	26	14	105
616921	23	32	31.7	27	14	120
616922	24	32	31.9	28	16	112
616923	1/4"	28	10.2	16.9	8	28
616924	5/16"	28	11.8	16.9	8	29
616925	3/8"	28	14.5	16.9	8	30
616926	7/16"	28	15.7	16.9	8	29
616927	1/2"	28	17.9	17.9	8	32
616928	9/16"	28	19.7	19.7	12	39
616929	5/8"	30	21.9	21.9	12	48
616930	11/16"	30	23.5	23.5	12	59
616931	3/4"	30	25.9	23	14	73
616932	13/16"	32	27.9	25	14	88
616933	7/8"	32	29.5	26	14	105
616934	15/16"	32	31.9	28	14	112
616935	1"	32	33.9	30	14	132

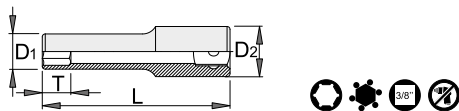
**MADE  
FOR  
WORK.**

## 238/1L6p

### Socket 3/8", long type, 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)



SKU	⌀	L	D1	D2	T	h
612036	8	63	11.8	16.8	9	55
612037	9	63	13.2	16.8	9	58
612038	10	63	14.5	16.8	9	61
612039	11	63	15.7	16.8	12	67
612040	12	63	16.8	16	12	75
612041	13	63	17.8	16.5	12	81
612042	14	63	19.55	17	15	91
612043	15	63	20.75	18	15	117
612044	16	63	21.75	19	15	107
612045	17	63	23.3	20	15	128
612046	18	63	24.5	21	18	112
612047	19	63	25.7	23	18	147
612048	20	63	27	24	18	157
612049	21	63	27.7	25	18	165
612050	22	63	29.5	26	21	200

## 238.1/1ABI

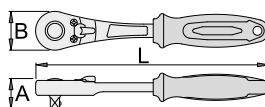
### Reversible ratchet 3/8"



- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- made according to standard ISO 3315

#### Advantages:

- 75 - teeth
- 4,8° working angle
- Safety lock system
- The socket is released from the ratchet by simple pressing the button.



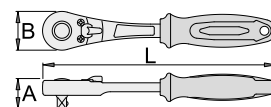
SKU	■	L	A	B	h
612501	3/8"	200	30	35	239

## 238.1/1ALBI

### Reversible ratchet 3/8", long form



- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- 75 - teeth
- made according to standard ISO 3315



SKU	■	L	A	B	h
617631	3/8"	260	30	35	274

## 238.1/1FBI

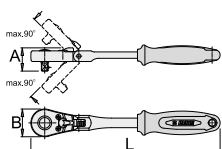
### Flexible reversible ratchet 3/8"



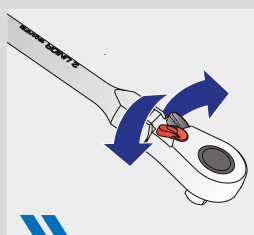
- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle

#### Advantages:

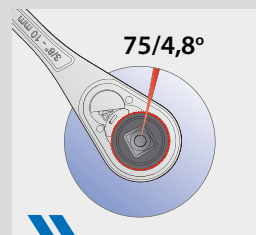
- 75 - teeth
- 4,8° working angle
- flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° grade of inclination
- Safety lock system
- The socket is released from the ratchet by simple pressing the button.



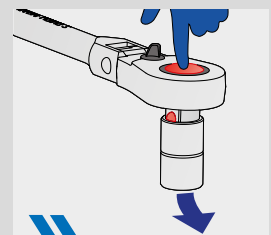
SKU	■	L	A	B	h
618368	3/8"	260	30	35	322



Flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps.



With 75 - teeth.  
4,8° working angle.



The socket is released from the ratchet by simple pressing the button.

## 238.2/1BI

### Swivel handle 3/8"



- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › surface finish: chrome plated according to standard ISO 1456:2009
- › ergonomic heavy duty double component handle
- › made according to standard ISO 3315



3/8"

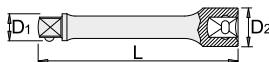
SKU	■	L	🔒
612502	3/8"	210	188

## 238.4/1

### Extension bar 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3316



3/8" 3/8" 3/8"

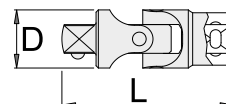
SKU	■	L	D1	D2	🔒
605343	3/8"	125	12.5	18	121
605342	3/8"	250	12.5	18	233

## 238.6/1

### Universal joint 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3316



3/8" 3/8" 3/8"

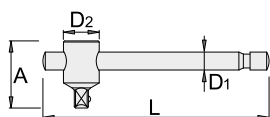
SKU	■	L	D	🔒
605344	3/8"	54	19	72

## 238.3/1

### Sliding T-handle 3/8"



- › material: premium flex chrome vanadium steel
- › entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3315



3/8"

SKU	■	L	A	D1	D2	🔒
605341	3/8"	165	34	10.4	19	149

## 238.4/1S

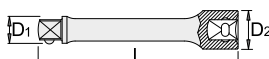
### Ball-end extension bar 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head

#### Advantages:

- › ball end shape enables working at an angle of 9°



3/8" 3/8" 3/8"

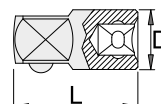
SKU	■	L	D1	D2	🔒
610913	3/8"	125	12.5	18	120

## 238.7/1

### Adaptor 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3316
- › code 605345 do not have polished heads



1/4" 1/2" 3/8" 3/8"

SKU	■	D	L	🔒
605345	3/8" - 1/2"	17	38	38
607977	3/8" - 1/4"	16.5	28	20



## 238.4/2

### Extension bar 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3316



3/8" 3/8" 3/8"

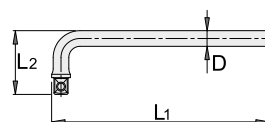
SKU	■	L	D1	D2	🔒
600777	3/8"	45	12.5	18	48
600778	3/8"	75	12.5	18	76

## 238.5/2

### Offset handle 3/8"



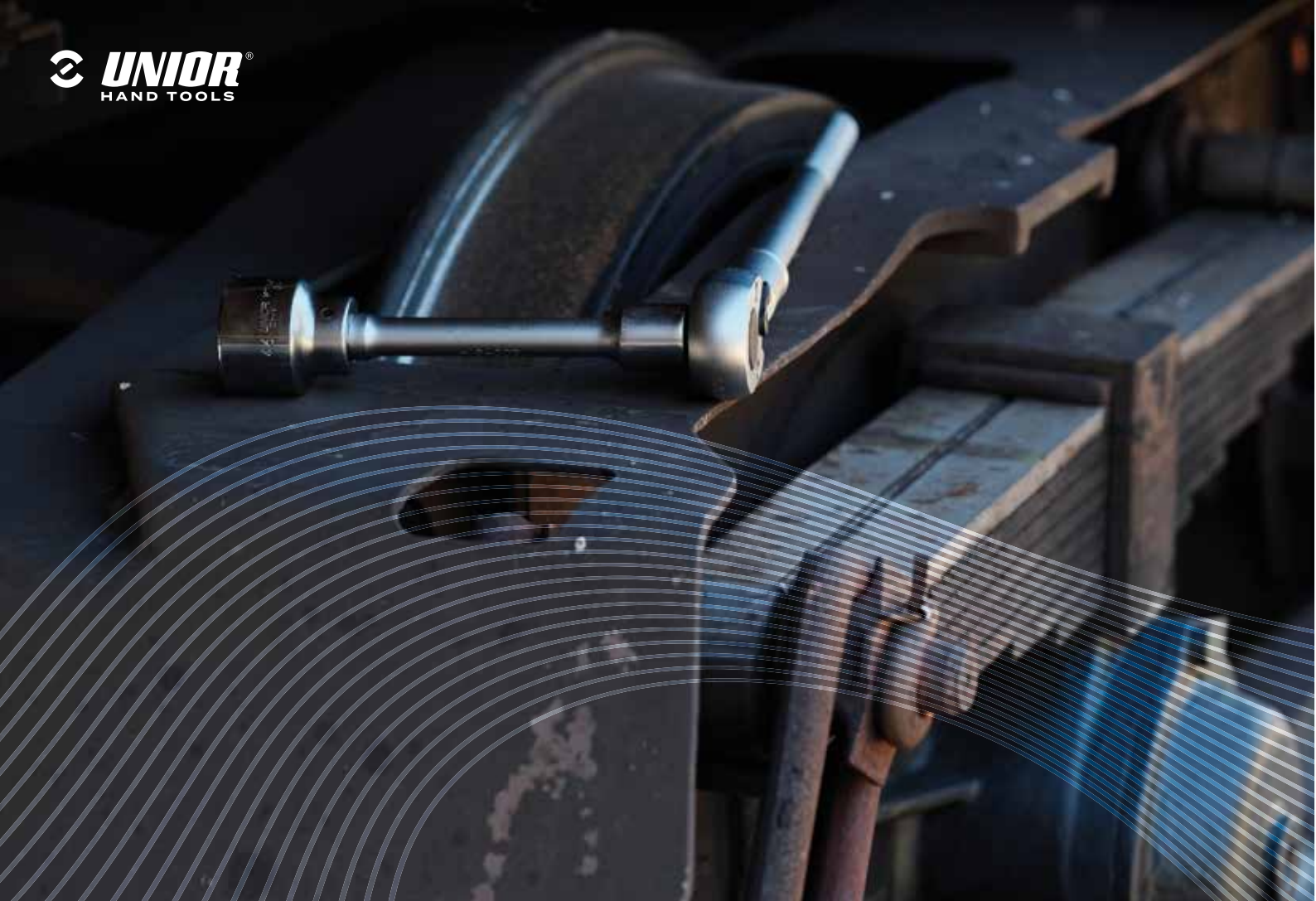
- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3315



3/8"

SKU	■	L	L2	D	🔒
611962	3/8"	200	45	10	145





## 239A

Socket set 3/8" in metal box



› Dimension of box: 321 x 198 x 54

### Set includes:

- › 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- › 1x reversible ratchet 3/8"
- › accessories 3/8"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint, 1x adaptor (3/8 - 1/2")

## 239A12P24

Socket set 3/8" in metal box



› Dimension of box: 321 x 198 x 54

### Set includes:

- › 17x socket 3/8", 12 point (article 238/1 12P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- › 1x reversible ratchet 3/8"
- › accessories 3/8"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint, 1x adaptor (3/8 - 1/2")

## 239C

Socket set 3/8" in metal box



› Dimension of box: 321 x 198 x 54

### Set includes:

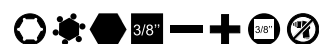
- › 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- › 1x reversible ratchet 3/8"
- › accessories 3/8"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
- › 8x screwdriver socket 3/8"; hex (article 236/2HX dim. 4, 5, 6, 8), crosstip (article 236/2PH dim. PH 2, PH 3), flat (article 236/2SL dim. 5.5, 8)



SKU	6 - 22	24
612509		



SKU	6 - 22	24
617117		



SKU	30
613072	

## 239D

### Socket set 3/8" in metal box



➤ Dimension of box: 321 x 198 x 54

#### Set includes:

- 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- 1x reversible ratchet 3/8"
- accessories 3/8"; 1x offset handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
- 8x screwdriver socket 3/8"; hex (article 236/2HX dim. 4, 5, 6, 8), crosstip (article 236/2PH dim. PH 2, PH 3), flat (article 236/2SL dim. 5.5, 8)



SKU	
613073	30

## 238H

### Rail for 3/8" sockets



- dimension 260 - for set 10 pcs 6-22, maximum numbers of clips 15
- dimension 345 - 10 pcs set same dimension (22), maximum numbers of clips 20

3/8"

SKU	L	
619089	260	69
619236	345	84

## 238H1

### Set of 10 pieces socket clips 3/8" for 238H



3/8"

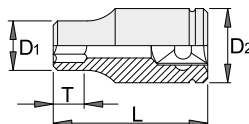
SKU	
619411	16

## 190/1 6p

### Socket 1/2", 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)
- made according to standard DIN 3124



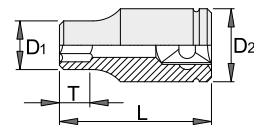
SKU	⌀	L	D1	D2	l <sub>f</sub>	
605307	8	38	13.2	22.9	12	55
610155	9	38	13.9	22.9	12	55
600851	10	38	15	22.9	12	55
600852	11	38	16.3	22.9	12	55
600853	12	38	17.9	22.9	12	65
600854	13	38	18.8	22.9	12	65
600855	14	38	19.7	22.9	12	65
600856	15	38	20.4	22.9	12	65
600857	16	38	22.9	21.5	12	85
600858	17	38	24.3	22	12	95
600859	18	38	25.5	23	12	100
600860	19	38	26.8	24	14	105
600861	20	38	28.1	24	14	115
600862	21	38	29.3	25	14	128
600863	22	38	30.4	25	14	142
600864	23	40	31.7	26	14	147
600865	24	42	33.1	28	16	165
600866	25	42	34.2	29	16	126
600867	26	42	35.3	30	16	126
600868	27	43	37	30	18	180
600869	28	43	38	31	20	185
610156	29	43	39	32	20	185
600871	30	46	40.7	34	22	195
600872	32	46	43.2	36	22	237
610105	5/16"	38	13.2	22.9	12	55
610106	3/8"	38	15	22.9	12	55
610107	7/16"	38	16.3	22.9	12	55
610108	1/2"	38	18.8	22.9	12	65
610109	9/16"	38	20.4	22.9	12	65
610110	5/8"	38	22.9	21.5	12	85
610111	11/16"	38	25.5	23	12	95
610112	3/4"	38	26.8	24	14	105
610113	13/16"	38	29.3	25	14	128
610114	7/8"	40	31.7	26	14	142
610115	15/16"	42	33.1	28	16	165
610116	1"	42	35.3	30	16	126
610117	1.1/16"	43	37	30	18	180
610118	1.1/8"	43	39	32	20	185
610119	1.3/16"	46	40.7	34	22	237
610120	1.1/4"	46	43.2	36	22	55

## 190/1 12p

### Socket 1/2", 12 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)



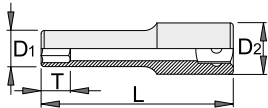
SKU	⌀	D1	D2	L	l <sub>f</sub>	
603812	10	15	22.9	38	12	55
603813	11	16.3	22.9	38	12	55
603814	12	17.9	22.9	38	12	65
603815	13	18.8	22.9	38	12	65
603816	14	19.7	22.9	38	12	65
603817	15	20.4	22.9	38	12	65
603818	16	22.9	21.5	38	12	65
603819	17	24.3	22	38	12	65
603820	18	25.5	23	38	12	100
603821	19	26.8	24	38	14	105
603822	20	28.1	24	38	14	115
603823	21	29.3	25	38	14	128
603824	22	30.4	25	38	14	142
603825	23	31.7	26	40	14	147
603826	24	33.1	28	42	16	165
603827	27	37	30	43	18	180
603828	30	40.7	34	46	22	195
603829	32	43.2	36	46	22	237
621722	36	47.9	37.8	46	22	245
609366	3/8"	15	21.8	38	12	55
609367	7/16"	16.3	21.8	38	12	55
609368	1/2"	18.8	21.8	38	12	65
609369	9/16"	20.4	21.8	38	12	65
609370	19/32"	21.7	20.7	38	12	65
609371	5/8"	22.9	21.5	38	12	65
609372	11/16"	23.9	22	38	12	65
609373	3/4"	25.9	23	38	14	105
609374	25/32"	27.9	24	38	14	115
609375	13/16"	27.9	25	38	14	128
609376	7/8"	29.9	26	40	14	142
609377	15/16"	31.9	28	42	16	165
609378	1"	33.9	30	42	16	170
609379	1.1/16"	35.9	30	43	18	180
609380	1.1/8"	37.9	32	43	20	190
609381	1.3/16"	39.9	34	46	22	195
609382	1.1/4"	41.9	36	46	22	237

## 190/1L12p

### Socket 1/2", long type, 12 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished
- › made according to standard ISO 2725-1 (only metric dimension)



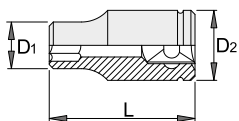
SKU	⊖	D1	D2	L	T	⚙
610762	10	15	22	77	12	85
610763	11	16.3	22	77	12	110
610764	12	17.6	22	77	12	100
610765	13	18.8	22	77	12	107
610766	14	20.4	22	77	15	112
610767	15	21.6	20.7	77	15	107
610768	16	22.9	21.5	77	15	121
610769	17	24	22	77	15	130
610770	18	25.4	23	77	18	150
610771	19	26	21	77	18	140
610772	20	27.9	24	77	18	176
610773	21	28	25	77	18	166
610774	22	30	26	77	21	197
610775	23	31.6	27	77	21	226
610776	24	32	28	77	24	223
610777	27	36	30	77	27	277
610778	30	40	34	77	30	317
610779	32	42	36	77	33	335

## 191/1

### Socket with internal TX profile 1/2"



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished



SKU	⊕	D2	D1	L	⚙
607141	E 10	22	14	38	58
607142	E 11	22	15	38	52
607143	E 12	22	15	38	55
607144	E 14	22	17	38	57
607145	E 16	22	19	38	62
607146	E 18	22	21	38	78
607147	E 20	26	23	40	95
607148	E 22	26	25.3	40	105
607149	E 24	28	27.3	40	119

## 191MB1

### Set of sockets with internal TX profile 1/2" in metal box



- › Dimension of box: 197 x 105 x 38

#### Set includes:

- › 9x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14, E16, E18, E20, E22, E24



SKU	⚙
607314	9

## 192/2HX

### Hex socket 1/2"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered
- › dimensions 17, 19, 22, 24 are used for the removal and fitting of front wheels
- › made according to standard DIN 7422 (only metric dimension)



SKU	⬢	D	L	L1	⚙
600978	4	23	60	24	60
603420	5	23	60	24	60
603421	6	23	60	24	60
603422	7	23	60	24	75
603423	8	23	60	24	81
605923	9	23	60	24	85
603424	10	23	60	24	95
603425	12	23	60	24	116
624033	13	23	60	24	100
603426	14	23	60	24	168
624034	15	23	60	24	115
603427	17	24	60	20	187
603428	19	26.5	60	20	195
623141	22	26.5	60	20	196
623142	24	26.5	60	20	210
619894	3/16"	22.9	40	24	60
619895	7/32"	22.9	40	24	60
619896	1/4"	22.9	40	24	60
619899	3/8"	22.9	40	24	95
619900	1/2"	22.9	40	24	116
619901	9/16"	22.9	40	24	168
619902	5/8"	22.9	40	24	187
619904	3/4"	26.8	40	21	195

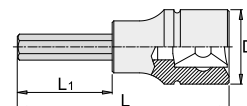


## 192/2HXL

### Long hex socket 1/2"



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered
- › made according to standard DIN 7422 (only metric dimension)



SKU	⬢	D	L	L1	⚙
603380	5	22.9	100	64	67
603381	6	22.9	100	64	67
619805	6	22.9	183	147	95
603383	7	22.9	100	64	67
603384	8	22.9	100	64	67
619806	8	22.9	143	107	115
603386	10	22.9	100	64	117
619807	10	22.9	163	127	163
603455	12	22.9	100	64	139
619415	14	22.9	100	64	165

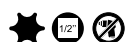
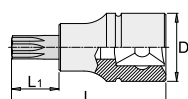


## 192/2TX

### Screwdriver socket 1/2" with TX profile



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



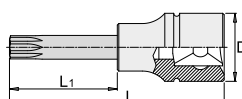
SKU	★	D	L	L1	📦
605562	TX 20	22.9	52	16	71
605563	TX 25	22.9	52	16	73
605564	TX 27	22.9	52	16	73
605565	TX 30	22.9	52	16	75
605566	TX 40	22.9	52	16	77
605567	TX 45	22.9	52	16	78
605568	TX 50	22.9	52	16	80
605569	TX 55	22.9	57	21	85
605570	TX 60	22.9	57	21	96

## 192/2TXL

### Long screwdriver socket 1/2" with TX profile



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered
- › polished



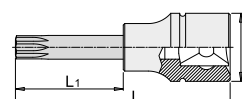
SKU	★	D	L	L1	📦
612422	TX 20	22.9	100	64	76
612423	TX 25	22.9	100	64	86
612424	TX 27	22.9	100	64	86
612425	TX 30	22.9	100	64	86
612426	TX 40	22.9	100	64	90
612427	TX 45	22.9	100	64	92
612428	TX 50	22.9	100	64	94
612429	TX 55	22.9	100	64	100
612430	TX 60	22.9	100	64	110
619857	TX 70	24.3	105	65	253

## 192/2ZXL

### Long screwdriver socket 1/2" with ZX profile



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



SKU	★	D	L	L1	📦
612171	M 6	22.9	100	64	85
612172	M 8	22.9	100	64	91
612173	M 10	22.9	100	64	110
612174	M 12	22.9	100	64	123
619845	M 14	22.9	100	64	143
620258	M 16	22.9	100	64	235

## 192/12

### Set of screwdriver sockets with TX profile 1/2" in metal box



- › Dimension of box: 197 x 105 x 38

#### Set includes:

- › 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60



SKU	📏	📦
603657	TX 20 - TX 60	9

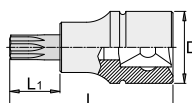


## 192/2ZX

### Screwdriver socket 1/2" with ZX profile



- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered



SKU	★	D	L	L1	📦
612165	M 5	22.9	52	16	72
612166	M 6	22.9	52	16	70
612167	M 8	22.9	52	16	80
612168	M 10	22.9	57	21	84
612169	M 12	22.9	57	21	90
612170	M 14	22.9	57	21	97
620257	M 16	22.9	57	21	155



## 192/14

### Hexagonal screwdriver socket set 1/2" in metal box



› Dimension of box: 197 x 105 x 38

#### Set includes:

- › 9x hex socket 1/2" (article 192/2HX) dim. 5, 6, 7, 8, 9, 10, 12, 14, 17



SKU		
607064	5 - 17	9

## 192/16

### Set of long hexagonal screwdriver socket 1/2" in plastic box



› Dimension of box: 197 x 167 x 35

#### Set includes:

- › 7x hex socket 1/2", long type (article 192/2HXL) dim. 5x100, 6x100, 7x100, 8x100, 10x100, 12x100, 14x100



SKU		
619416	5 - 14	7

## 192/17

### Set of long screwdriver socket with TX profile 1/2" in plastic box



› Dimension of box: 197 x 167 x 35

#### Set includes:

- › 7x long screwdriver socket 1/2", with TX profile (article 192/2TXL) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50



SKU		
619417	TX 20 - TX 50	7

## 192/14INCH

### Hexagonal screwdriver socket set 1/2" in metal box



› Dimension of box: 197 x 105 x 38

#### Set includes:

- › 8x hex socket 1/2" (article 192/2HX) dim. 3/16", 7/32", 1/4", 3/8", 1/2", 9/16", 5/8", 3/4"



SKU		
621759	3/16" - 3/4"	8

## 192/15

### Set of screwdriver sockets with ZX profile 1/2" in plastic box



› Dimension of box: 197 x 167 x 35

#### Set includes:

- › 6x screwdriver socket 1/2", with ZX profile (article 192/2ZX) dim. M5, M6, M8, M10, M12, M14
- › 4x long screwdriver socket 1/2", with ZX profile (article 192/2ZXL) dim. M6, M8, M10, M12



SKU		
617125		10

## 190.1/1FBI

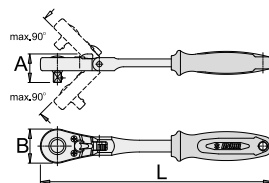
### Flexible reversible ratchet 1/2"



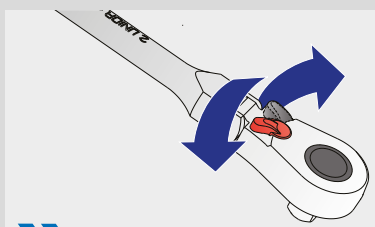
- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › ergonomic heavy duty double component handle
- › surface finish: chrome plated to standard ISO 1456:2009

#### Advantages:

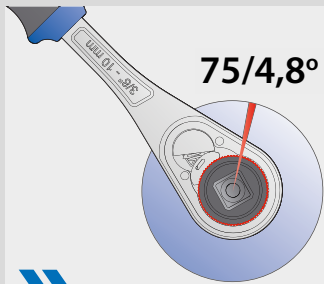
- › 75 - teeth
- › 4,8° working angle
- › flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps
- › Safety lock system
- › The socket is be released from the ratchet by simple pressing the button.



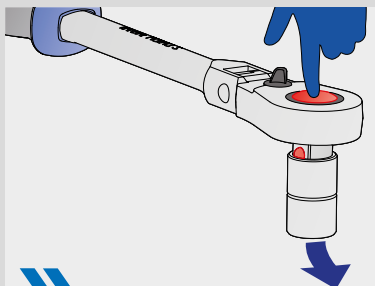
SKU		L	A	B	
618369	1/2"	320	36	40	598



Flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps.



With 75 - teeth, 4,8° working angle.



The socket is be released from the ratchet by simple pressing the button.

## 190.1/1ABI

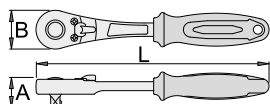
### Reversible ratchet 1/2"



- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009
- › ergonomic heavy duty double component handle
- › made according to standard ISO 3315

#### Advantages:

- › 75 - teeth
- › 4,8° working angle
- › Safety lock system
- › The socket is released from the ratchet by simple pressing the button.
- › body entirely polished



SKU	■	L	A	B	🔒
611782	1/2"	260	36	45	423

## 190.1/1LG

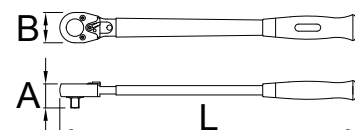
### Strong reversible ratchet 1/2"



- › The ratchet is exceptionally strong and virtually impossible to break using only human strength. Regardless whether we use it for tightening or loosening bolts or nuts. The ratchet can withstand torque over 700 Nm. This is achieved with a durable mechanism with only 24 teeth and a long lever. Ratchet is used for loosening and tightening different sizes of bolts and nuts. Due to its durability, it can be easily used to loosen overtightened or rusted bolts such as wheel bolts.
- › material: premium flex chrome vanadium steel
- › body drop forged
- › surface finish: chrome plated to standard ISO 1456:2009

#### Advantages:

- › high durability
- › long lever, 465 mm
- › 24 - teeth



SKU	■	L	A	B	🔒
627200	1/2"	465	37.5	47	1240



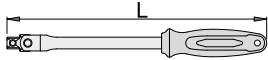


## 190.2/1BI

### Swivel handle 1/2"



- › material: premium chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › ergonomic heavy duty double component handle
- › made according to standard ISO 3315



1/2"

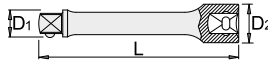
SKU	■	L	🔒
611899	1/2"	380	572
611900	1/2"	450	671

## 190.4/2

### Extension bar 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009



1/2" 1/2" 1/2"

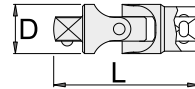
SKU	■	L	D1	D2	🔒
612565	1/2"	600	16.8	24	732

## 190.6/2

### Universal joint 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3316



1/2" 1/2" 1/2"

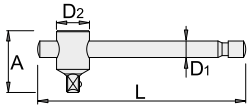
SKU	■	D	L	🔒
600873	1/2"	23	75.5	158

## 190.3/1

### Sliding T - handle 1/2"



- › material: premium flex chrome vanadium steel
- › entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3315



1/2"

SKU	■	L	A	D1	D2	🔒
600876	1/2"	300	45	14	25.5	340

## 190.4/1S

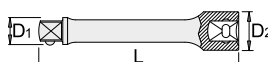
### Ball-end extension bar 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3316

#### Advantages:

- › ball end shape enables working at an angle of 9°



1/2" 1/2" 1/2"

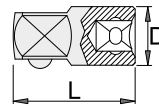
SKU	■	L	D1	D2	🔒
610909	1/2"	75	16.8	24	110
610908	1/2"	125	16.8	24	180
610907	1/2"	250	16.4	24	340

## 190.7/2

### Adaptor 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3316



3/8" 1/2" 3/4" 1/2"

SKU	○	■	D	L	🔒
603334	1/2"	3/8"	23	38	67
607975	1/2"	3/4"	22	35	168

## 190.4/1

### Extension bar 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3316



1/2" 1/2" 1/2"

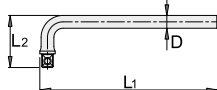
SKU	■	L	D1	D2	🔒
607955	1/2"	75	16.8	24	114
600874	1/2"	125	16.8	24	178
600875	1/2"	250	16.8	24	326

## 190.5/2

### Offset handle 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 3315



1/2"

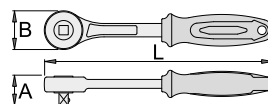
SKU	■	L1	L2	D	🔒
610933	1/2"	245	59	16.8	342

## 190.9/2ABI

### One-way ratchet 1/2" without pivot



- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009
- › ergonomic heavy duty double component handle



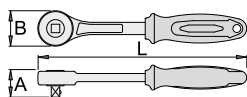
SKU	■	A	B	L	🔒
611608	1/2"	38	43,5	252	498

## 190.9/2BI

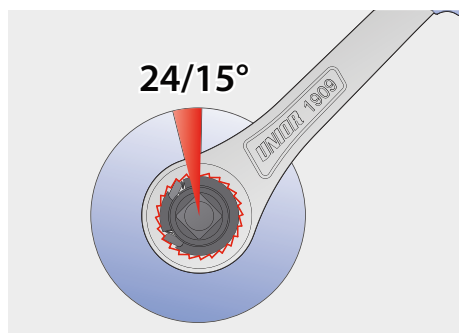
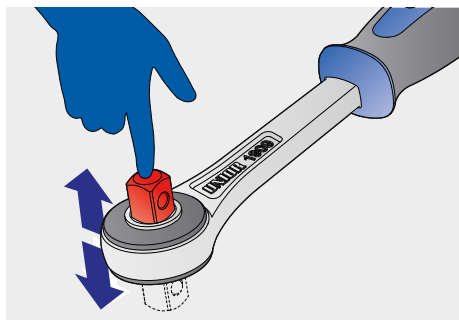
### One-way ratchet 1/2"



- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- code 611608 is ratchet without replacement square



SKU	■	A	B	L	📦
600909	1/2"	38	43.5	252	498



## 190.10

### Replacement square 1/2"



- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- for one-way ratchet 190.9/2BI
- made according to standard ISO 3315

SKU	■	L	📦
603378	1/2"	40	50

## 190H

### Rail for sockets 1/2"



- dimension 330 - for set 10 pcs 8 - 32, maximum numbers of clips 14
- dimension 450 - 10 pcs set same dimension (22), maximum numbers of clips 19

SKU	L	📦
619090	330	95
619237	450	120

## 190H1

### Set of 10 pieces socket clips 1/2" for 190H



SKU	📦
619412	27

## 190H12P15

### Socket set 1/2" on rail



- Set includes:**
- 15x socket 1/2", 12 point (article 190/1 12P) dim. 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32
  - 1x rail, lenght 450mm

SKU	📏	📦
622635	10 - 32	15

## 190H12P15IN

### Socket set 1/2" on rail



**Set includes:**

- 15x socket 1/2", 12 point (article 190/1 12P) dim. 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"
- 1x rail, lenght 450mm

SKU	📏	📦
622634	3/8" - 1.1/4"	15

## 190H12LP7

### Socket set 1/2", long type on rail



**Set includes:**

- 7x socket 1/2", long type, 12 point (article 190/1L12P) dim. 13, 14, 15, 17, 21, 22, 24

SKU	📏	📦
622636	13 - 24	7



## 190BI6P14

### Socket set 1/2" in metal box



› Dimension of box: 321 x 198 x 54

#### Set includes:

- › 11x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x sliding T - handle, 1x extension bar (125 mm)



SKU	10 - 24	14
611940		

## 190BI6P22IN

### Socket set 1/2" in metal box



› Dimension of box: 448 x 198 x 54

#### Set includes:

- › 16x socket 1/2", 6 point (article 190/1 6P) dim. 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	5/16" - 1.1/4"	22
615180		

## 190BI6P24

### Socket set 1/2" in metal box



› Dimension of box: 448 x 198 x 54

#### Set includes:

- › 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	10 - 32	24
611939		

## 190BI6P17

### Socket set 1/2" in plastic box



› Dimension of box: 307 x 260 x 70

#### Set includes:

- › 14x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x sliding T - handle, 1x extension bar (75 mm)



SKU	10 - 32	17
622023		

## 190BI6P23

### Socket set 1/2" in metal box



› Dimension of box: 448 x 198 x 54

#### Set includes:

- › 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	10 - 32	23
612779		

## 190BI6P28

### Socket set 1/2" in plastic box



› Dimension of box: 346 x 292 x 83

#### Set includes:

- › 13x socket 1/2", 6 point (article 190/1 6P) dim. 10, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30, 32
- › 10x socket 1/2", long type, 12 point (article 190/1L12P) dim. 12, 13, 14, 17, 19, 21, 22, 24, 27, 30
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	10 - 32	28
612162		



## 190BI6P43

Socket set 1/2" and 1/4" in plastic box



› Dimension of box: 346 x 292 x 83

### Set includes:

- › 13x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- › 1x reversible ratchet 1/4"
- › accessories 1/4"; 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint
- › 13x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32
- › 7x hex socket 1/2" (article 192/2HX) dim. 6, 7, 8, 10, 12, 14, 17
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	10 - 32	43
611944	4 - 32	43

## 190BI12P23

Socket set 1/2" in metal box



› Dimension of box: 448 x 198 x 54

### Set includes:

- › 18x socket 1/2", 12 point (article 190/1 12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	10 - 32	23
615327	10 - 32	23

## 190BI12P23IN

Socket set 1/2" in metal box



› Dimension of box: 448 x 198 x 54

### Set includes:

- › 17x socket 1/2", 12 point (article 190/1 12P) dim. 3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	3/8" - 1.1/4"	23
611943	3/8" - 1.1/4"	23

## 190BI12P15

Socket set 1/2" in metal box



### Set includes:

- › 11x socket 1/2", 12 point (article 190/1 12P) dim. 10, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32
- › 1x reversible ratchet 1/2"
- › accessories 1/2"; 1x sliding T - handle, 1x extension bar (250 mm), 1x universal joint

SKU	10 - 32	15
627205	10 - 32	15



## 190BI12P24

### Socket set 1/2" in metal box



➤ Dimension of box: 448 x 198 x 54

#### Set includes:

- 18x socket 1/2", 12 point (article 190/1 12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	10 - 32	24
611941		

## 190BITX1P22

### Socket set 1/2" in metal box



➤ Dimension of box: 448 x 198 x 54

#### Set includes:

- 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 9x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14, E16, E18, E20, E22, E24
- 1x reversible ratchet 1/2"
- accessories 1/2"; 2x extension bar (125, 250mm), 1x universal joint



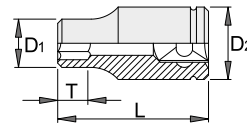
SKU	10 - 32	22
611945		

## 197/1 6p

### Socket 3/4", 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- torque: DIN 899 range E
- made according to standard ISO 2725-1 (only metric dimension)



SKU	19	D1	D2	L	T	
619698	19	29,2	33	50	14	175
602723	22	32,2	36	50	14	220
602724	23	33,2	36	50	14	221
602725	24	34,2	36	51	16	230
602726	26	37	36	52	16,5	230
602727	27	38	36	52	22	239
602728	28	39,5	36	52	22	242
619702	29	40,5	36	52	22	270
602729	30	42	36	54	24	273
602730	32	44	36	56	26	295
602731	34	47	36	56	26	347
619701	35	48	38	58	26	401
602732	36	50	38	58	28	400
602733	38	52	38	60	28	488
602734	41	56	40	64	30	502
602735	46	62	42	66	32	621
602736	50	68	42	70	34	708
617527	55	74	45	76	38	914
603135	60	80	45	78	42	1105
609383	7/8"	32,2	36	50	14	220
609384	15/16"	34,2	36,2	51	16,5	231
609385	1"	37	36	52	16	234
609386	1.1/16"	38	36	52	22	224
609387	1.1/8"	40	38	52	22	265
609388	1.1/4"	44	38	56	24	313
609390	1.3/8"	48	42	58	26	406
609391	1.7/16"	50	42	58	28	415
609392	1.1/2"	52	45	60	28	414
609393	1.5/8"	56	45	64	30	572
609394	1.11/16"	58	45	65	32	595
609396	1.7/8"	64	48	70	34	741
609397	2"	68	48	72	36	842

## 190BIHX1P20

### Socket set 1/2" in metal box



➤ Dimension of box: 448 x 198 x 54

#### Set includes:

- 6x hex socket 1/2", long type (article 192/2HXL) dim. 5x100, 6x100, 7x100, 8x100, 10x100, 12x100
- 11x hex socket 1/2" (article 192/2HX) dim. 4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 19
- 1x reversible ratchet 1/2"
- accessories 1/2"; 2x extension bar (125, 250mm)



SKU	10 - 32	20
611946		

## 190-6P17

### Socket set 1/2" in plastic box



➤ Dimension of box: 307 x 260 x 70

#### Set includes:

- 14x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32
- 1x one-way ratchet 1/2"
- accessories 1/2"; 1x sliding T - handle, 1x extension bar (75 mm)



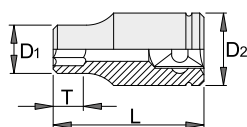
SKU	10 - 32	17
622022		

## 197/1 12p

### Socket 3/4", 12 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)



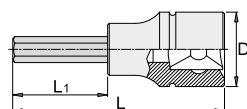
SKU	⚙️	D1	D2	L	T	📦
618666	22	32.2	36	50	14	215
618667	23	33.2	36	50	14	216
618668	24	34.2	36	51	16	224
618669	26	37	36	52	16	220
618670	27	38	36	52	22	224
618671	28	39.5	36	52	22	234
618672	30	42	36	54	24	254
618673	32	44	36	56	26	282
618674	34	47	36	56	26	329
618675	36	50	38	58	28	372
618676	38	52	38	60	28	473
618677	41	56	40	64	30	487
618678	46	62	42	66	32	566
618679	50	68	42	70	34	683
618680	55	74	45	76	38	828
618681	60	80	45	78	42	993

## 197/2AHX

### Hex socket 3/4"



- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- made according to standard DIN 7422 (only metric dimension)



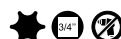
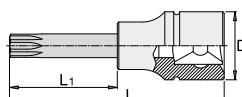
SKU	⚙️	D	L	L1	📦
619836	14	33.85	80	30	267
619837	17	33.85	80	30	275
619838	19	33.85	80	30	364
619839	22	33.85	80	30	381

## 197/2ATX

### Screwdriver socket with TX profile 3/4"



- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered



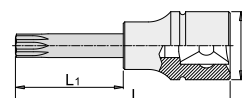
SKU	★	D	L	L1	📦
619840	TX 60	33.85	80	30	257
619841	TX 70	33.85	80	30	262
619842	TX 80	33.85	80	30	267
619843	TX 90	33.85	80	30	351
619844	TX 100	33.85	80	30	363

## 197/2AZX

### Screwdriver socket 3/4" with ZX profile



- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered



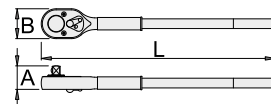
SKU	⚙️	D	L	L1	📦
620818	M18	33.9	80	30	371

## 197.1/1

### Reversible ratchet 3/4"



- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- 24 - teeth
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 3315



3/4"

SKU	■	A	B	L	📦
602737	3/4"	58	63.5	500	2590



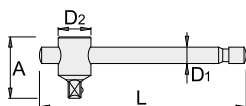


## 197.3/1

### Sliding T-handle 3/4"



- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3315



3/4"

SKU	■	A	D1	D2	L	📦
602738	3/4"	60	20	37	455	1400

## 197.4/1

### Extension bar 3/4"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316



3/4"

3/4"

🚫

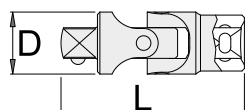
SKU	■	L	D1	D2	📦
602740	3/4"	200	25.3	36	635
602739	3/4"	400	25.3	36	1160

## 197.6/1

### Universal joint 3/4"



- material: premium flex chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



3/4"

3/4"

🚫

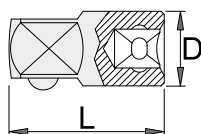
SKU	■	D	L	📦
617657	3/4"	40	107	597

## 197.7/1

### Adaptor 3/4"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316



1/2"

3/4"

1"

🚫

SKU	↔	L	D	📦
602741	3/4" - 1/2"	54	34	181
610695	3/4" - 1"	62	38	364

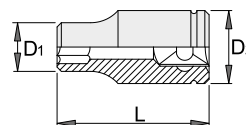
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## 199/1 6p

### Socket 1", 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)



🔧

1"

🚫

SKU	⊕	D1	D2	L	T	📦
603096	46	65	50	75	34	849
603097	50	70	55	75	34	1039
603098	55	76	57	80	40	1222
603099	60	82	57	84	42	1383
603100	65	88	57	87	44	1607
603101	70	94	68	93	48	2039
603102	75	100	68	97	52	2243
603103	80	105	68	103	54	2479

## 197MB1

### Socket set 3/4" in metal box



- Dimension of box: 505 x 215 x 78

#### Set includes:

- 9x socket 3/4", 6 point (article 197/1 6P) dim. 22, 24, 27, 30, 32, 36, 38, 41, 46
- 1x reversible ratchet 3/4"
- accessories 3/4"; 1x sliding T - handle, 2x extension bar (200, 400mm), 1x adaptor (3/4"-1/2")

🔧

🔧

3/4"

3/4"

🚫

SKU	↔	📦
602742	22 - 46	14

## 197MB2

### Socket set 3/4" in metal box



- Dimension of box: 505 x 215 x 78

#### Set includes:

- 10x socket 3/4", 6 point (article 197/1 6P) dim. 22, 24, 27, 30, 32, 36, 38, 41, 46, 50
- 1x reversible ratchet 3/4"
- accessories 3/4"; 1x sliding T - handle, 2x extension bar (200, 400mm)

🔧

🔧

3/4"

3/4"

🚫

SKU	↔	📦
600954	22 - 50	14

## 197MB3

Socket sets 3/4", inch sizes in metal box



› Dimension of box: 505 x 215 x 78

### Set includes:

- › 10x socket 3/4", 6 point (article 197/1 6P) dim. 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4", 1.3/8", 1.1/2", 1.5/8", 1.7/8"
- › 1x reversible ratchet 3/4"
- › accessories 3/4"; 1x sliding T - handle, 2x extension bar (200, 400mm)



SKU	7/8" - 1.7/8"	13
617119		

## 197MB4

Socket set 3/4" in metal box



› Dimension of box: 505 x 215 x 78

### Set includes:

- › 9x socket 3/4", 6 point (article 197/1 6P) dim. 22, 24, 27, 30, 32, 36, 41, 46, 55
- › 1x reversible ratchet 3/4"
- › accessories 1/4"; 1x sliding T - handle, 2x extension bar (200, 400mm), 1x universal joint, 1x adaptor (3/4"-1/2")



SKU	22 - 55	15
619927		

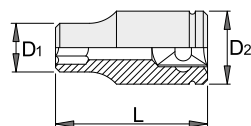


## 199/112p

Socket 1", 12 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished
- › made according to standard ISO 2725-1 (only metric dimension)



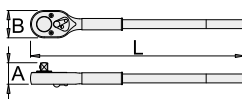
SKU	65	D1	D2	L	T	1444
618699		82	56.9	84	42	

## 199.1/1

Reversible ratchet 1"



- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › 24 - teeth
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard ISO 3315



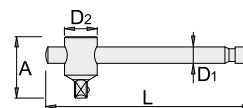
SKU	1"	A	B	L	4655
603104		71	71.5	665	

## 199.3/1

Sliding T-handle 1"



- › material: premium flex chrome vanadium steel
- › entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3315



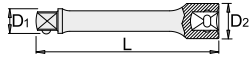
SKU	1"	A	D1	D2	L	3330
603105		80	28	49	560	

## 199.4/1

### Extension bar 1"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3316



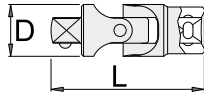
SKU	■	L	D1	D2	🔒
603107	1"	200	33.6	48	1125
603106	1"	400	33.6	48	1900

## 199.6/1

### Universal joint 1"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3316



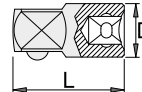
SKU	■	D	L	🔒
617658	1"	49	141	1120

## 199.7/1

### Adaptor 1"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made according to standard ISO 3316



SKU	■	D	L	🔒
619905	1" - 3/4"	48	65	427

## 199MB1

### Socket set 1" in metal box



- › Dimension of box: 670 x 220 x 100

#### Set includes:

- › 8x socket 1", 6 point (article 199/1 6P) dim. 46, 50, 55, 60, 65, 70, 75, 80
- › 1x reversible ratchet 1"
- › accessories 1"; 1x sliding T - handle, 2x extension bar (200, 400mm)



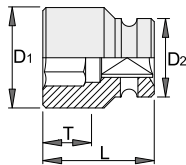
SKU	■	L	🔒
603095	46 - 80	12	

## 230/4 6p

### Impact socket 3/8", 6 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717
- › made according to standard ISO 2725-2 (only metric dimension)



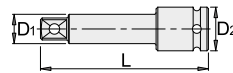
SKU	🔒	D2	D1	L	T	🔒
612060	8	19	13.8	30	8	45
612062	10	19	16	30	8	45
612063	11	19	17.5	30	9	45
612064	12	19	19	30	9	45
612065	13	22	20	30	9	61
612066	14	22	21	30	9	55
612067	15	22	22	30	11	58
612069	17	22	25	30	11	65
612070	18	22	26	30	11	69
612071	19	22	27.5	30	11	66
612073	21	22	30	30	13	73
612074	22	23	32	30	13	86

## 230.4/4

### Impact extension bar 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717



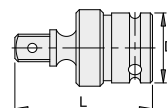
SKU	■	L	D1	D2	🔒
612075	3/8"	75	12.5	19	83
612076	3/8"	125	12.5	19	127

## 230.6/4

### Impact universal joint 3/8"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717



SKU	■	D	L	🔒
612077	3/8"	23.9	51	98

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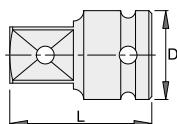


## 230.7/4

### Impact adaptor 3/8"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



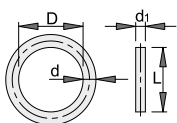
SKU	Length	D	L	Weight
612078	3/8" - 1/2"	22	36	67

## 230.8/4

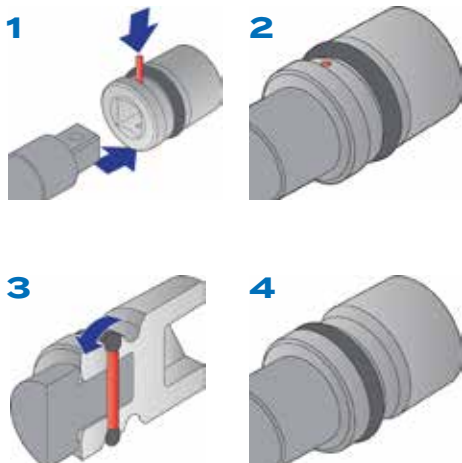
### Impact accessories 3/8"



- material of pin: chrome molybdenum
- material of ring: rubber
- surface finish of pin: phosphated to standard DIN



SKU	Length	D	d	L	d1	Weight
612079	6 - 12	16	2.4	15	2.5	7
612080	13 - 21	19	2.4	18	2.5	7

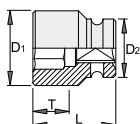


## 231/4 6p

### Impact socket 1/2", 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 (only metric dimension)



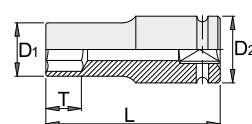
SKU	⌀	D1	D2	L	T	Weight
603962	10	17.5	25	38	12	94
603963	11	18.7	25	38	12	95
603964	12	20	25	38	12	95
603965	13	21	25	38	12	96
603966	14	22.5	25	38	12	95
603967	15	23.7	30	38	12	140
603968	16	25	30	38	12	143
603969	17	26	30	38	13	140
609399	18	27.5	30	38	13	135
603970	19	28.7	30	38	13	126
603971	21	30	30	38	13	139
603972	22	32	30	38	13	133
603973	23	32	30	38	13	183
603974	24	35	30	45	20	235
603975	27	38.7	30	50	24	235
609400	28	40	30	50	24	255
603976	30	42	30	50	24	259
605548	32	44	30	50	24	72

## 231/4L6p

### Impact socket 1/2", long type, 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 (only metric dimension)



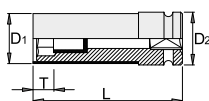
SKU	⌀	D1	D2	L	T	Weight
607918	10	17.5	25	78	14	144
607919	11	18.7	25	78	14	166
607920	12	20	25	78	14	160
607921	13	21.3	25	78	14	168
607922	14	22.5	25	78	17	174
607923	15	23.7	30	78	17	226
607924	16	25	30	78	17	259
607925	17	26.2	30	78	17	244
609401	18	27.5	30	78	17	257
607926	19	28.7	30	78	19	265
607927	21	30	30	78	24	280
607928	22	32	30	78	24	292
607929	23	32	30	78	24	275
607930	24	35	30	78	24	337
607931	27	38.7	30	78	24	395
609402	28	40	30	78	24	395
607932	30	42	30	78	24	432
607933	32	44	30	78	24	421

## 231/4P

### Impact socket 1/2" for alloy wheels, 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- with plastic protection



SKU	⌀	D1	D2	L	T	Weight
616763	17	27	30	85	14	225
616764	19	29	30	85	15	237
616765	21	31	30	85	17	262



## 231/4PPB

Set of 1/2" impact sockets for alloy wheels in plastic box



› Dimension of box: 197 x 167 x 47

### Set includes:

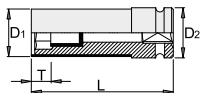
› 3x impact socket 1/2" for alloy wheels, 6 point (article 231/4P) dim. 17, 19, 21

## 231/4PL

Impact socket 1/2" for alloy wheels, long type, 6 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717
- › with plastic protection



SKU	⊕	D1	D2	L	T	📦
619015	17	27	25	130	24	305
619016	19	29	30	130	24	360
619017	21	31	30	130	24	405

## 231/4PB1

Set of impact sockets 1/2" in plastic box



› Dimension of box: 244 x 207 x 59

### Set includes:

› 9x impact socket 1/2", 6 point (article 231/4 6P) dim. 15, 17, 18, 19, 21, 22, 24, 27, 30  
› impact socket accessories 1/2"; 1x extension bar (75 mm), 2x ring with pin



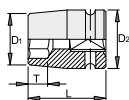
SKU	📏	📦
612506	15 - 30	10

## 231/4TX

Impact socket 1/2" with internal TX profile



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717



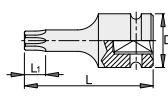
SKU	⊕	D1	D2	L	T	📦
612880	E 10	15	25	38	7.5	90
612881	E 12	16	25	38	8.5	90
612882	E 14	18.5	25	38	10	95
612883	E 16	20	25	38	11	95
612884	E 18	22	25	38	12	95
612885	E 20	25	30	38	13.5	145
612886	E 24	28.5	30	45	21	170

## 231/4ATX

Impact screwdriver socket 1/2" with TX profile



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717



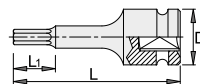
SKU	★	D	L	L1	📦
612874	TX 30	25	55	3.8	86
612875	TX 40	25	55	3.8	86
612876	TX 45	25	55	4.3	86
612877	TX 50	25	55	5	92
612878	TX 55	25	55	5.5	95
612879	TX 60	25	55	8	105
618761	TX 70	25	55	9.4	111

## 231/4AHX

Impact hex socket 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717



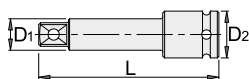
SKU	⊕	D	L	L1	📦
615218	5	25	75	15	85
615219	6	25	75	15	93
615220	8	25	75	25	95
615221	10	25	75	25	114
615222	12	25	75	25	130
615223	14	25	75	25	148
615224	17	25	75	25	183
615225	19	25	75	25	207

## 231.4/4

Impact extension bar 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717



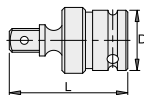
SKU	■	L	D1	D2	📦
603978	1/2"	75	16.6	25	148
603977	1/2"	125	16.6	25	230

## 231.6/4

Impact universal joint 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717



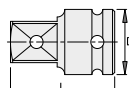
SKU	■	D	L	📦
609460	1/2"	32	60	209

## 231.7/4

Impact adaptor 1/2"



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717



SKU	📏	D	L	📦
603979	1/2" - 3/4"	30	48	169
612120	1/2" - 3/8"	25	38	70

## 231/4PB2

Set of impact sockets 1/2" in plastic box



› Dimension of box: 244 x 207 x 59

### Set includes:

- › 9x impact socket 1/2", long type, 6 point (article 231/4L6P) dim. 15, 17, 18, 19, 21, 22, 24, 27, 30
- › impact socket accessories 1/2"; 1x extension bar (75 mm), 2x ring with pin



SKU		
612507	15 - 30	10

## 231/4PB3

Set of impact sockets 1/2" in plastic box



› Dimension of box: 244 x 207 x 59

### Set includes:

- › 6x impact socket 1/2", 6 point (article 231/4 6P) dim. 17, 18, 19, 21, 22, 24
- › 6x impact socket 1/2", long type, 6 point (article 231/4L6P) dim. 17, 18, 19, 21, 22, 24
- › impact socket accessories 1/2"; 2x ring with pin



SKU		
612508	17 - 24	12

## 231/4PB4

Set of impact sockets 1/2" with external and internal TX profile in plastic box



› Dimension of box: 244 x 207 x 44

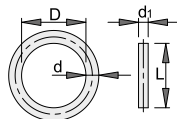
### Set includes:

- › 7x impact socket 1/2" with internal TX profile (article 231/4TX) dim. E10, E12, E14, E16, E18, E20, E24
- › 6x impact screwdriver socket 1/2" with TX profile (article 231/4ATX) dim. TX30, TX40, TX45, TX50, TX55, TX60

SKU		
615227		13

## 231.8/4

Impact accessories 1/2"

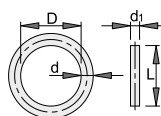


- › material of pin: chrome molybdenum
- › material of ring: rubber
- › surface finish of pin: phosphated to standard DIN

SKU		D	d	L	d1	
603997	10 - 14	20	4	20	3	8
603998	15 - 32	25	4	25	3	9

## 232.8/4

Impact accessories 3/4"



- › material of pin: chrome molybdenum
- › material of ring: rubber
- › surface finish of pin: phosphated to standard DIN

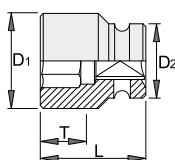
SKU		D	d	L	d1	
603996	3/4"	35	4.5	35	4	11

## 232/4 6p

Impact socket 3/4", 6 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717
- › made according to standard ISO 2725-2 (only metric dimension)
- › made according to standard DIN 3129



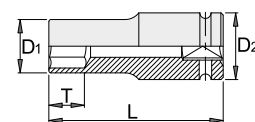
SKU		D1	D2	L	T	
603980	17	31	44	50	12	374
603981	19	33	44	50	13	387
603982	21	35	44	50	15	381
603983	22	37	44	50	15	400
603984	24	39	44	50	16	401
603985	27	43	44	54	19	410
609403	28	44	44	54	19	403
603986	30	47	44	54	21	438
603987	32	51	44	54	22	481
603988	33	51	44	54	22	497
603989	36	54	44	54	23	535
603990	41	60	44	58	27	634
603991	46	67	44	63	30	813

## 232/4L6p

Impact socket 3/4", long type, 6 point



- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717
- › made according to standard ISO 2725-2 and DIN 3129



SKU		D1	D2	L	T	
607934	17	31	44	95	17	587
607935	19	33	44	95	19	580
607936	21	35	44	95	21	589
607937	22	37	44	95	22	643
607938	24	39	44	95	24	656
607939	27	43	44	95	27	731
609404	28	44	44	95	28	708
607940	30	47	44	95	30	802
607941	32	49	44	95	32	821
607942	33	51	44	95	33	906
607943	36	54	44	95	36	944
607944	41	60	44	95	38	1078
607945	46	67	44	95	38	1298

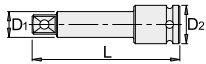


## 232.4/4

### Impact extension bar 3/4"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



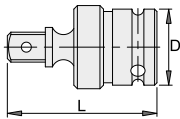
SKU	■	L	D1	D2	🔒
603993	3/4"	175	25	44	882
603992	3/4"	250	25	44	1245

## 232.6/4

### Impact universal joint 3/4"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



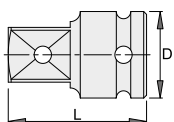
SKU	■	D	L	🔒
603994	3/4"	44	90	539

## 232.7/4

### Impact adaptor 3/4"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



SKU	■	D	L	🔒
603995	3/4" - 1/2"	44	56	323
618708	3/4" - 1"	44	63	443

## 232PB1

### Set of long impact socket 3/4" in plastic box



- Dimension of box: 307 x 260 x 70

#### Set includes:

- 6x impact socket 3/4", long type, 6 point (article 232/4L6P) dim. 24, 27, 30, 32, 33, 36
- impact socket accessories 3/4", 1x ring with pin

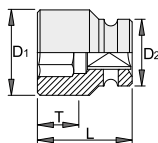
SKU	🔑	🔒
621459	24 - 36	7

## 233/4 6p

### Impact socket 1", 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 (only metric dimension)



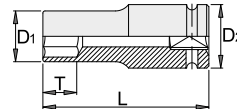
SKU	⊕	D1	D2	L	T	🔒
615195	22	40	54	60	15	677
615196	24	42	54	60	18	679
615197	27	46	54	60	19	694
615198	30	50	54	62	21	726
615199	32	52	54	62	22	704
615200	33	53	54	62	22	703
615201	34	55	54	62	22	688
615202	36	57	54	67	25	785
615203	38	60	54	67	25	844
615204	41	63	54	70	27	933
615205	42	65	54	74	27	1055
615206	46	70	54	76	30	1174
615207	50	75	54	80	35	1367
615208	55	81	54	84	35	1632
615209	60	87	54	87	42	1715
615210	65	93	54	90	42	1962
615211	70	100	54	96	42	2370
615212	75	106	86	98	45	3364
615213	80	112	86	100	48	3656

## 233/4L6p

### Impact socket 1", long type, 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 and DIN 3129



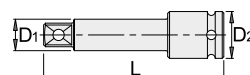
SKU	⊕	D1	D2	L	T	🔒
616771	22	40	54	100	21	879
616772	24	42	54	100	21	921
616773	27	46	54	100	24	1012
616774	30	50	54	100	24	1075
616775	32	52	54	100	24	1090
616776	33	53	54	100	24	1109
616777	34	55	54	100	40	1162
616778	36	56	54	100	65	1207
616779	38	59	54	100	65	1222
616780	41	63	54	100	64	1367
616781	42	64	54	100	64	1380
616782	46	69	54	100	63	1613
616783	50	74	54	100	62	1793
616784	55	80	54	100	60	1976
616785	60	86	54	120	78	2726
616786	65	92	54	125	80	3192
616787	70	99	54	125	80	3595
616788	75	104	86	135	85	4512
616789	80	109	86	135	85	5532

## 233.4/4

### Impact extension bar 1"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



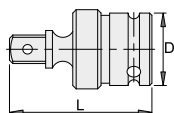
SKU	■	L	D1	D2	🔒
615214	1"	175	33,5	54	1505
615215	1"	250	33,5	54	2019

## 233.6/4

### Impact universal joint 1"



- material: premium flex chrome vanadium steel
- surface finish: phosphated to standard ISO 9717
- drop forged, entirely hardened and tempered



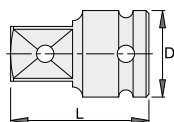
SKU	Size	D	L	Weight
615216	1"	54	110	1051

## 233.7/4

### Impact adaptor 1"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



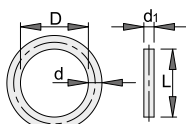
SKU	Size	D	L	Weight
615217	1" - 3/4"	54	75	661
617303	1" - 1.1/2"	54	90	1107

## 233.8/4

### Impact accessories 1"



- material of pin: chrome molybdenum
- material of ring: rubber
- surface finish of pin: phosphated to standard DIN



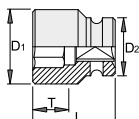
SKU	Size	D	d	L	d1	Weight
615254	22 - 70	46	3.5	43	5	21
615255	75 - 80	75	5.7	75	6	38

## 234.4/6p

### Impact socket 1.1/2", 6 point



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 (only metric dimension)



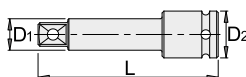
SKU	Size	D1	D2	L	T	Weight
616790	80	119	86	115	54	5224
616791	85	125	86	118	52	5688
616793	90	131	86	123	52	6395
616794	95	137	95	123	52	6995
616795	100	144	95	130	59	7995
616796	105	154	95	130	59	8995

## 234.4/4

### Impact extension bar 1.1/2"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



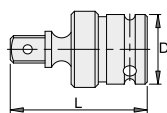
SKU	Size	L	D1	D2	Weight
617709	1.1/2"	250	49	86	5652

## 234.6/4

### Impact universal joint 1.1/2"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



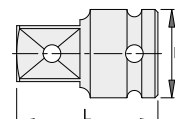
SKU	Size	L	D	Weight
617689	1.1/2"	182	86	4098

## 234.7/4

### Impact adaptor 1.1/2"



- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



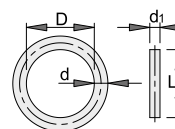
SKU	Size	D	L	Weight
616800	1.1/2" - 1"	86	100	2203

## 234.8/4

### Impact accessories 1.1/2"



- material of pin: chrome molybdenum
- material of ring: rubber
- surface finish of pin: phosphated to standard DIN



SKU	Size	D	d2	L	d1	Weight
617126	80 - 100	75	5.7	75	6	55
617127	105 - 120	85	5.7	84	6	40





# PLIERS

## From classical to modern development!

At Unior, we have always remained faithful to traditional forms of pliers, known to many, and for which we know to have a proven design and functionality. At the same time, we are constantly adding new solutions to the problems that arise in modern times. This is precisely the reason why, although on the one hand we hold on to classical forms, on the other hand we extend our development to other areas. All with the aim of a hint of innovation to solve modern problems.





» **DURABILITY** – above the prescribed DIN standards.

» **VARIETY** – because in our product lines we offer pliers for a wide variety of tasks.

» **PRECISE CUT** – because all pliers have precision-made and additionally inductively hardened blades, for precise, high-quality pinching.

» **MULTIPLE LINES** – as the pliers are available in one and two-component sleeves, in plain and insulated designs, and with one and two-component insulation.

GENERAL PLIERS	86 - 92
WATERPUMP PLIERS	93 - 96
CRIMPING PLIERS	97 - 100
LOCK RING PLIES	101 - 102
CAPRENTERS AND TOWER PINCERS	103 - 104
GRIP PLIERS	105 - 106
PLIERS WITH SPECIAL FUNCTION	107
PIPE WRENCHES	108

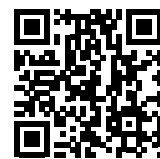
## Premium Hard Plus carbon steel

### Effortless cutting

In addition to carbon, manganese, silicon and chrome, this special carbon steel also contains vanadium, which considerably improves the pinching characteristics of the tool by increasing its carbide hardness. Pincers made from this steel prove their excellent efficiency, even when used on the hardest of wires. The high carbon content results in both a higher tensile strength of the material and in increased durability. Improvements made subsequent to the inductive forging process lead to extraordinarily high jaw hardness.

### Special carbon steel, in accordance with EU Directive 2000/53/EC and the EN 10058 standards

- › 0,80% carbon for higher tensile strength and durability
- › 0,70% manganese for higher tensile strength and ductility
- › 0.30% silicon for higher elasticity
- › 0,25% chrome for higher tensile strength and lower susceptibility to cracking



#### WANT TO GET IN TOUCH WITH US?

Use the form on the link and ask us a question. Select the appropriate category, then we will make sure that your question gets the appropriate answer as soon as possible. Keep in touch with us and our experts!

# A special procedure for the manufacture of pliers



**1. Cutting:** Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

**2. Forging:** Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy and dynamic loads.

**3. Trimming:** Excess material is removed from forged parts using a special-purpose tool that trims products along the dividing shape. Some products are also trimmed when hot, thus preventing major mechanical surface deformation on the cut part and providing a quality basis for undisturbed machining.



**4. Joint processing:** Using a special-purpose CNC machine, a bore hole is drilled that will serve as the pivot point for pliers. At the same time, the joint is milled and sliding surfaces are made, ensuring precise and undisturbed movement of pliers during use.

## 5. Broaching

**6. Shaping the head part of pliers:** Using a special-purpose trimming tool with linear movement, complex surfaces of pliers are shaped. That operation includes the shaping of external radii of the joint and teeth on the jaw used to grip various shapes.

**7. Milling the cutting edges:** A special-purpose CNC machine is used for making cutting edges, thus giving pliers the relevant functionality. Important elements are the angle of a cutting edge and the thickness of the edge top. Optimum and accurate machining of cutting edges gives pliers the properties required to cut wire.



**8. Riveting:** Pliers are assembled and riveted together with a rivet. At that stage, it is important to ensure that the joint is firm enough, while still allowing the jaws to move freely, but with no slack.

## 9. Wet grinding

**10. Machining the head part of pliers:** At that stage, the surface of pliers is evened to remove any differences in height that might appear as a result of thickness tolerance margins when making a forged part or during further machining, including riveting.

**11. Shaping:** Using a tape grinding machine, the remaining untreated surfaces are ground to create better quality surfaces than can be achieved in the forging process. The pliers now have their final shape, but the roughness of individual surfaces still needs to be adjusted.



**12. Quenching and tempering:** The heat treatment of pliers is carried out by annealing pliers in oil and then tempering them. Such type of heat treatment ensures an appropriate microstructure of the material and excellent strength properties of the final product. Quality heat treatment maximises the mechanical properties of the material and gives pliers a long service life.

**13. Sanding:** At this stage, the product surfaces are struck with abrasive materials to even the roughness of surfaces and remove the oxides that appear during heat treatment. The sanded surfaces are evenly rough and precise, giving products a better appearance. Some surfaces are later even more precisely treated, giving them a contrasting look.

**14. Induction hardening:** The cutting edges of pliers must be covered with a thin layer of very rigid surface that is able to withstand damage caused by cutting solid wires.

**15. Fine grinding:** Using tape grinding machines, specific surfaces on the head of pliers are ground to make them smooth, also giving them a visual effect or professional appearance.

**16. Chrome plating and polishing:** Pliers are galvanised with a thin layer of nickel and chromium to prevent oxidation. That gives the products an aesthetic appearance with a glossy silver surface. Chrome-plated surfaces also make the pliers more resistant to external influence.

**17. Laser inscription:** Using the modern process of laser inscription, pliers are inscribed with markings used for product identification.

**18. Insulation mounting:** Pliers are completed with plastic handles providing a good, firm and ergonomic grip.

**19. Oiling and control:** The sliding surfaces of a joint are properly oiled to ensure unimpeded movement of pliers. In that operation, pliers are properly checked for quality and visual characteristics to ensure that Unior pliers always meet the requirements of the most demanding of users.





## 402A

### Pliers set in carton box



#### Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x diagonal cutting nippers (article 461/1BI) dim. 160
- 1x double groove joint pliers (article 445/1BI) dim. 240



SKU	
617818	3

## 402B

### Pliers set in carton box



#### Set includes:

- 1x combination pliers (article 406/4G) dim. 180
- 1x diagonal cutting nippers (article 461/4G) dim. 160
- 1x double groove joint pliers (article 445/4G) dim. 240



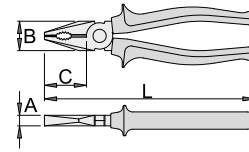
SKU	
617933	3

## 405/4G

### Combination pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 5746



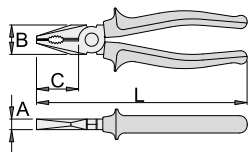
SKU	L	B	C	A	
608668	160	24	35	9.5	224
608669	180	27	38	10	273
608670	200	29	41	10.5	351
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I		
608668	160	1,6	2,0		
608669	180	1,8	2,5		
608670	200	2,0	2,5		

## 405/1BI

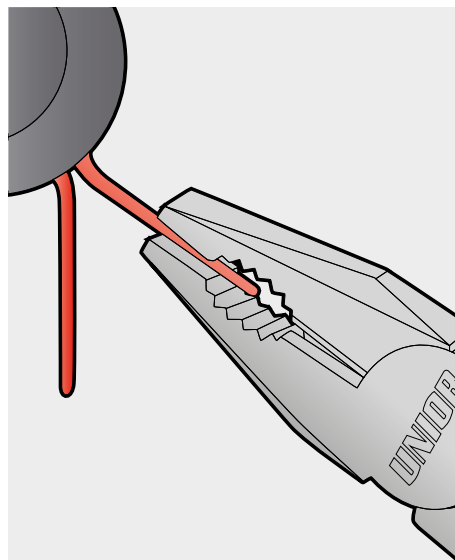
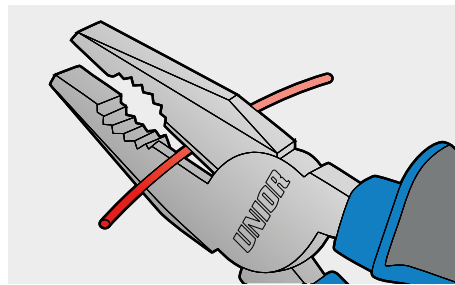
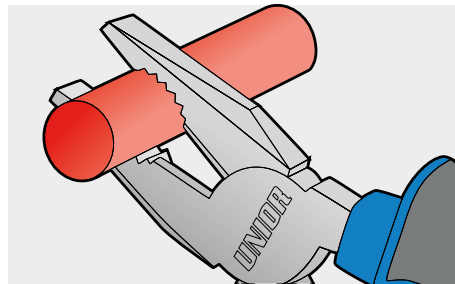
### Combination pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5746



SKU	L	B	C	A	
607867	160	24	35	9.5	224
607868	180	27	38	10	273
607869	200	29	41	10.5	351
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I		
607867	160	1,6	2,0		
607868	180	1,8	2,5		
607869	200	2,0	2,5		

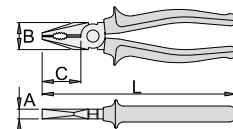


## 406/1BI

### Combination pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- jet stamp UNIOR
- made according to standard ISO 5746



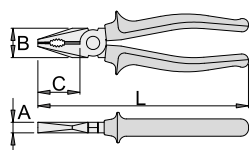
SKU	L	B	C	A	
607870	160	24	35	9.5	224
607871	180	27	38	10	274
607872	200	29	41	10.5	341
608354	220	32	47	11	421
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I		
607870	160	1,6	2,0		
607871	180	1,8	2,5		
607872	200	2,0	2,5		
608354	220	2,0	3,0		

## 406/4G

### Combination pliers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › heavy duty plastic handles
- › made according to standard ISO 5746



SKU	L	B	C	A	
608673	140	23	32	8	157
608674	160	24	35	9.5	224
608675	180	27	38	10	274
608676	200	29	41	10.5	341
608677	220	32	47	11	421

cutting capacity (10N=1kg)

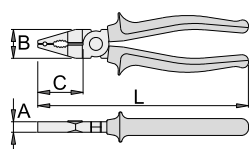
SKU	L	max 1600 N/mm <sup>2</sup> Ø I	max 650 N/mm <sup>2</sup> Ø I
608673	140	1,6	2,0
608674	160	1,6	2,0
608675	180	1,8	2,5
608676	200	2,0	2,5
608677	220	2,0	3,0

## 420/1BI

### Linemen's pliers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles



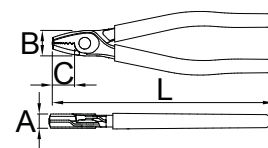
SKU	L	B	C	A	
607873	180	24	45	11	241

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm <sup>2</sup> Ø I	max 650 N/mm <sup>2</sup> Ø I
607873	180	1,8	2,5

## 407/4DP

### Screw pliers



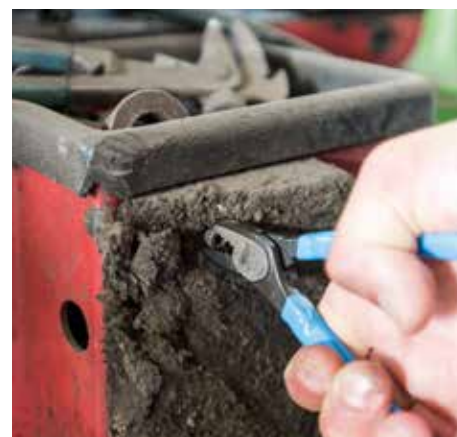
- › Use Screw pliers to loose and unscrew screws that have damaged head profile and cannot be unscrewed with standard tools. Damage on the screw's profile usually occurs when screws are stuck due to gluing or corrosion and standard tool strips the profile. Pliers have horizontal and also vertical serrated teeth, which grab the screw by the outer diameter of the head. Teeth are strong and very sharp and provide excellent grip on screw's head, regardless of its profile. Pliers can be used on screw heads with diameter from 3 to 11 mm.
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › double plastic dipped handles

#### Advantages:

- › double serrated jaws, horizontal and vertical
- › multipurpose use
- › for screws head with diameter from 3 to 11 mm

Ø 3 ~ Ø 11mm

SKU	L	B	C	A	
628800	170	19.2	25	11	149



## 467SHARK/4DP

### Powershark cutter



› These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from high carbon steel with induction hardened cutting edges, Powershark cutter can cut through up to 6mm of soft metal wire, 3,5 mm of hard steel, and 3 mm of tempered piano wire or steel springs. In addition to wire, the Powershark cutters will quickly and cleanly cut through 4mm diameter nails, screws and rivets.

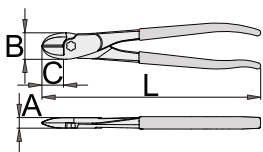
- › drop forged from Premium Hard Plus carbon steel
- › double-dipped plastic non-slip handles provide good ergonomic hand grip

#### Advantages:

- › fully hardened to ~47HRC, with cutting edges induction hardened to ~64HRC
- › finished with an anti-corrosive black coating and lightly oiled
- › central cutting edges leave a bevelled finish on both sides of the cut

#### Usage:

- › for precise cutting of soft (up to 6 mm), hard (up to 3,5 mm) and piano wires (up to 3 mm)
- › easily cuts parts such as screws, nails, rivets, etc. up to 4 mm thickness



SKU	L	B	A	C	🔒
626490	250	30	12	24	389
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm² Ø I	max 1600 N/mm² Ø I	max 650 N/mm² Ø I	
626490	250	3	3,5	6	

## 469SHARK/4ADP

### BOLTSHARK cutter

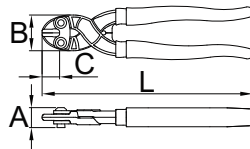


› These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from Premium Hard Plus carbon steel with induction hardened cutting edges, BoltShark cutter can cut through up to 6mm of soft metal wire, 4mm of hard steel, and 3.6mm of tempered piano wire or steel spring. In addition to wire, the Boltshark cutters will quickly and cleanly cut through 5mm diameter nails, screws and rivets. The included groove holds thicker wire in position, preventing it from rolling along the cutting edge as the jaws are tightened.

- › drop forged from Premium Hard Plus carbon steel
- › fully hardened to ~47HRC, with cutting edges induction hardened to ~64HRC
- › finished with an anti-corrosive black coating and lightly oiled
- › double-dipped plastic non-slip handles provide good ergonomic hand grip

#### Advantages:

- › Engineered with a two-rivet joint, which uses a compound action to give increased cutting force with less effort.
- › The strongest force needs to be applied at the start of the cut, when the handles are furthest apart. BoltShark cutters are designed with the handles tighter together allowing the maximum force to be applied from the very start of the cut.
- › Central cutting edges leave a bevelled finish on both sides of the cut.
- › for precise cutting of soft (up to 6 mm), hard (up to 3,5 mm) and piano wires (up to 3 mm)
- › easily cuts parts such as screws, nails, rivets, etc. up to 4 mm thickness



SKU	L	B	A	C	🔒
627533	200	34,8	19,5	16,5	354
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm² Ø I	max 1600 N/mm² Ø I	max 650 N/mm² Ø I	
627533	200	3	3,5	6	



469SHARK/4ADP





## 469SHARK/4DP

### BOLTSHARK cutter with groove



- These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from Premium Hard Plus carbon steel with induction hardened cutting edges, BoltShark cutter can cut through up to 6mm of soft metal wire, 4mm of hard steel, and 3.6mm of tempered piano wire or steel spring. In addition to wire, the Boltshark cutters will quickly and cleanly cut through 5mm diameter nails, screws and rivets. The included groove holds thicker wire in position, preventing it from rolling along the cutting edge as the jaws are tightened.
- drop forged from Premium Hard Plus carbon steel
- fully hardened to ~47HRC, with cutting edges induction hardened to ~64HRC
- finished with an anti-corrosive black coating and lightly oiled
- double-dipped plastic non-slip handles provide good ergonomic hand grip

#### Advantages:

- Engineered with a two-rivet joint, which uses a compound action to give increased cutting force with less effort.
- The strongest force needs to be applied at the start of the cut, when the handles are furthest apart. BoltShark cutters are designed with the handles tighter together allowing the maximum force to be applied from the very start of the cut.
- When cutting thicker diameter wire (over 2.5mm), there is a tendency for the wire to be pushed along the cutting edges as the jaws are tightened. The addition of a groove on the cutting edge holds the material safely in place, preventing this movement and allowing efficient, one-handed operation.
- Tests show that using grooved BoltShark cutters to cut 2mm piano wire requires only 33% of the force needed by traditional strong cutters.
- Central cutting edges leave a bevelled finish on both sides of the cut.
- The included groove holds thicker wire in position.

#### Usage:

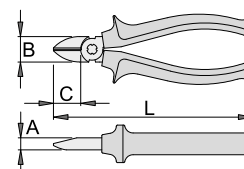
- For precise cutting of soft (up to 6 mm), hard (up to 4 mm) and piano wires (up to 3,6 mm).
- Easily cuts parts such as screws, nails, rivets, etc. up to 5 mm thickness.

## 461/1BI

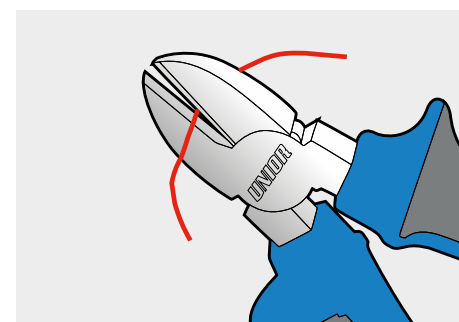
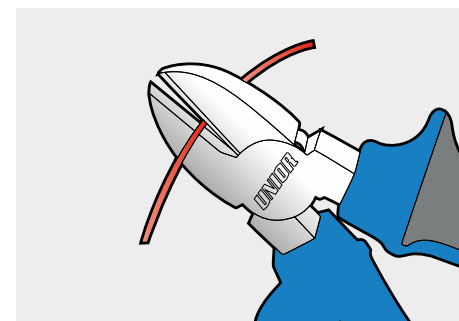
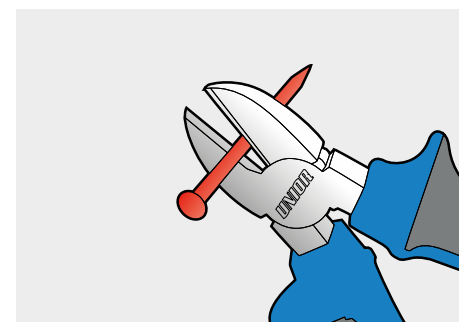
### Diagonal cutting nippers



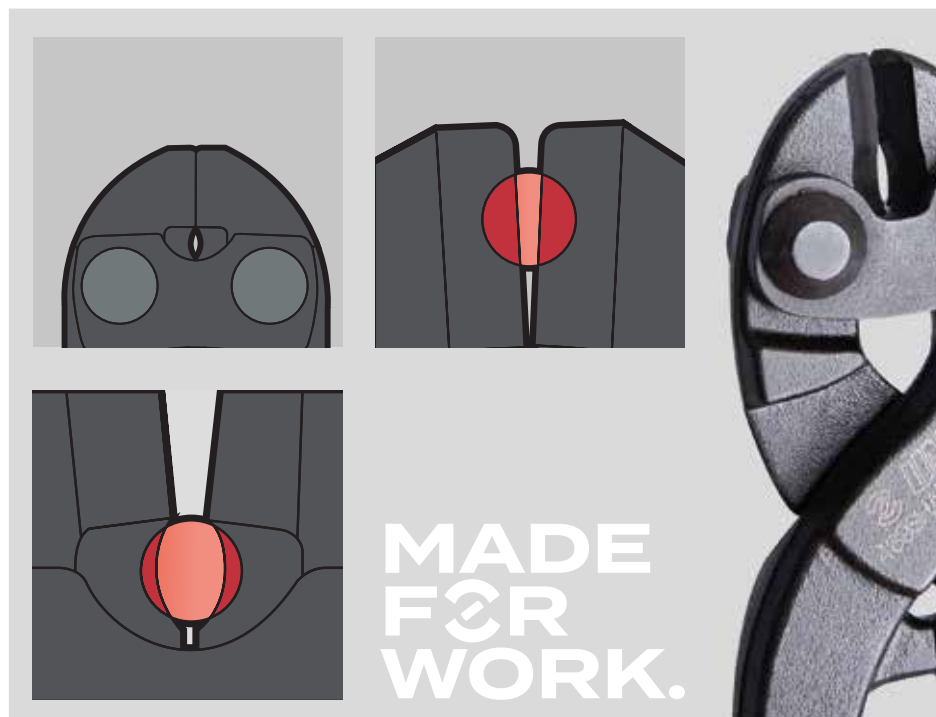
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749



SKU	L	B	A	C	
607883	140	19	9,5	18	169
607884	160	22,5	10	22	214
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm² Ø i	max 650 N/mm² Ø i		
607883	140	1,6	2,0		
607884	160	1,6	2,5		



SKU	L	B	A	C	
626500	200	34,8	19,5	16,5	347
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm² Ø i	max 1600 N/mm² Ø i	max 650 N/mm² Ø i	
626500	200	3,6	4,0	6	

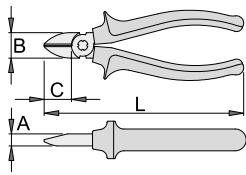


## 461/4G

### Diagonal cutting nippers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › heavy duty plastic handles
- › made according to standard ISO 5749



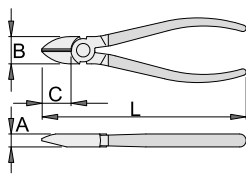
SKU	L	B	A	C	
608697	140	19	9,5	18	169
608698	160	22,5	10	22	214
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm <sup>2</sup> Ø i		max 650 N/mm <sup>2</sup> Ø i	
608697	140	1,6		2,0	
608698	160	1,6		2,5	

## 461/4P

### Diagonal cutting nippers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped
- › made according to standard ISO 5749



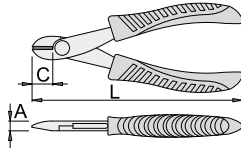
SKU	L	B	A	C	
612327	125	19	9,5	18	115
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm <sup>2</sup> Ø i		max 650 N/mm <sup>2</sup> Ø i	
612327	125	1,6		2,0	

## 461/4E

### Electronic side cutter



- › material: premium flex plus carbon steel
- › drop forged, entirely hardened and tempered
- › heavy duty double - component handles



SKU	L	B	A	C	
620072	115	13	8,2	13,5	95
cutting capacity (10N=1kg)					
SKU	L	max 750 N/mm <sup>2</sup> Ø i			
620072	115	1,5			



## 462/1BI

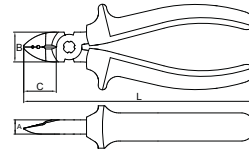
### Multifunctional diagonal cutting nippers



- › material: premium plus carbon steel
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles

#### Advantages:

- › Stripping off insulation of single conductors 1,5 mm<sup>2</sup> and 2,5mm<sup>2</sup>



SKU	L	B	A	C	
624059	160	21	10	22	211
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm <sup>2</sup> Ø i		max 650 N/mm <sup>2</sup> Ø i	
624059	160	1,6		2,5	

## 462/4G

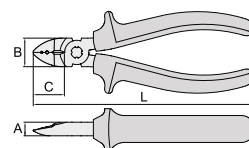
### Multifunctional diagonal cutting nippers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › heavy duty plastic handles

#### Advantages:

- › Stripping off insulation of single conductors 1,5 mm<sup>2</sup> and 2,5mm<sup>2</sup>



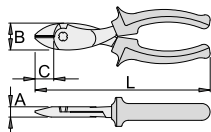
SKU	L	B	A	C	
624062	160	21	10	22	205
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm <sup>2</sup> Ø i		max 650 N/mm <sup>2</sup> Ø i	
624062	160	1,6		2,5	

## 466/1BI

### Heavy duty diagonal cutting nippers



- material: premium flex plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749



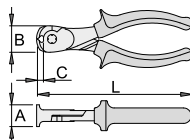
SKU	L	B	A	C	
617686	160	23.5	10	20.5	214
608850	180	28	11	20	313
608837	200	27	11	21	344
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm² Ø I	max 650 N/mm² Ø I		
617686	160	1,6	2,5		
608850	180	1,8	3,0		
608837	200	2,0	3,5		

## 455/1BI

### End cutting nippers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5748



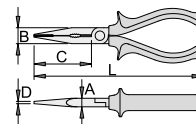
SKU	L	B	A	C	
609192	160	27	22	7	254
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I		
609192	160	1,6	2,5		

## 506/1BI

### Long nose pliers with side cutter



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



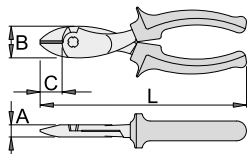
SKU	L	B	D	A	C	
607874	140	15	2	8	39	115
607875	160	16	2.5	9	49	137
cutting capacity (10N=1kg)						
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I			
607874	140	1,6	2,0			
607875	160	1,6	2,0			

## 466/4G

### Heavy duty diagonal cutting nippers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 5749



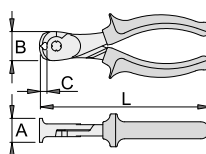
SKU	L	B	A	C	
617687	160	23.5	10	20.5	214
608700	180	28	11	20	313
609190	200	27	11	21	344
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm² Ø I	max 650 N/mm² Ø I		
617687	160	1,6	2,5		
608700	180	1,8	3,0		
609190	200	2,0	3,5		

## 455/4G

### End cutting nippers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 5748



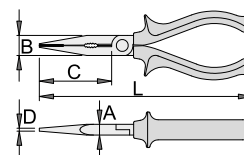
SKU	L	B	A	C	
608694	160	27	22	7	254
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I		
608694	160	1,6	2,5		

## 506/4G

### Long nose pliers with side cutter



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



SKU	L	B	D	A	C	
608712	140	15	2	8	39	115
608713	160	16	2.5	9	49	137
cutting capacity (10N=1kg)						
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I			
608712	140	1,6	2,0			
608713	160	1,6	2,0			

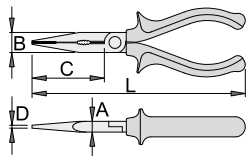


## 508/1BI

**Long nose pliers with side cutter and pipe grip, straight**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles
- › gripping surface serrated
- › made according to standard ISO 5745
- › also for clenching and separating of from cables and other sensitive objects



SKU	L	B	D	A	C	🔒
607876	170	17	2.5	9	61	156
607877	200	17	2.5	9	77	191

cutting capacity (10N=1kg)

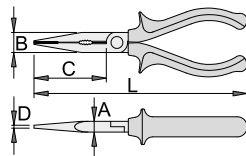
SKU	L	max 1600 N/mm² ØI	max 650 N/mm² ØI
607876	170	1,6	2,0
607877	200	1,8	2,5

## 508/4G

**Long nose pliers with side cutter and pipe grip, straight**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › heavy duty plastic handles
- › gripping surface serrated
- › made according to standard ISO 5745
- › also for clenching and separating of from cables and other sensitive objects



SKU	L	B	D	A	C	🔒
608710	170	17	2.5	9	61	156
608711	200	17	2.5	9	77	191

cutting capacity (10N=1kg)

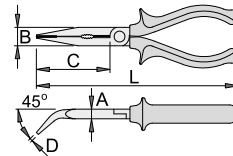
SKU	L	max 1600 N/mm² ØI	max 650 N/mm² ØI
608710	170	1,6	2,0
608711	200	1,8	2,5

## 512/1BI

**Long nose pliers with side cutter and pipe grip, bent**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles
- › gripping surface serrated
- › jaws bent to an angle of 45°
- › the long bent jaws enable simple and precise clenching of nuts and screws
- › the strong jaws enable good grip
- › made according to standard ISO 5745



SKU	L	B	D	A	C	🔒
607966	170	17	2.5	9	61	152
607967	200	17	2.5	9	77	204

cutting capacity (10N=1kg)

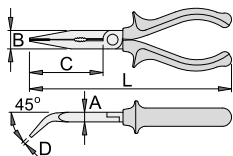
SKU	L	max 1600 N/mm² ØI	max 650 N/mm² ØI
607966	170	1,6	2,0
607967	200	1,8	2,5

## 512/4G

**Long nose pliers with side cutter and pipe grip, bent**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › gripping surface serrated
- › jaws bent to an angle of 45°
- › heavy duty plastic handles
- › the long bent jaws enable simple and precise clenching of nuts and screws
- › the strong jaws enable good grip



SKU	L	B	D	A	C	🔒
608720	170	17	2.5	9	61	152
608721	200	17	2.5	9	77	204

cutting capacity (10N=1kg)

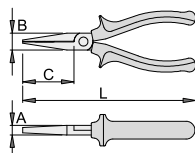
SKU	L	max 1600 N/mm² ØI	max 650 N/mm² ØI
608720	170	1,6	2,0
608721	200	1,8	2,5

## 472/1BI

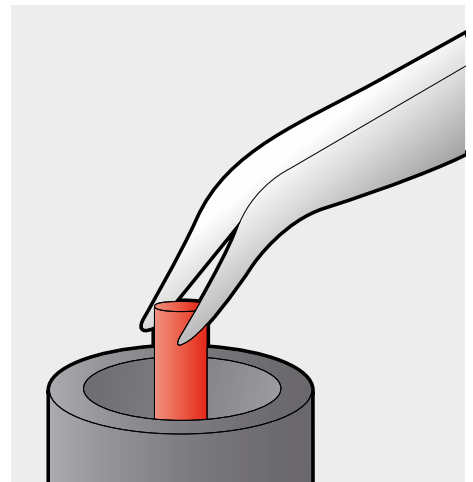
**Long flat nose pliers**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › gripping surface serrated
- › made according to standard ISO 5745



SKU	L	B	C	A	🔒
607878	140	15	39	8	120
607879	160	16	49	9	146



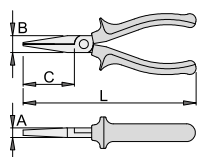
**MADE  
FOR  
WORK.**

## 472/4G

### Long flat nose pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head surface finish: fine grinding
- surface finish: phosphated to standard ISO 9717
- gripping surface serrated
- heavy duty plastic handles
- made according to standard ISO 5745



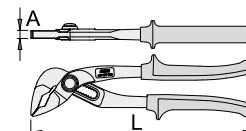
SKU	L	B	C	A	
608704	140	15	39	8	120
608705	160	16	49	9	146

## 447/1HPP

### Waterpump pliers



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles



#### Advantages:

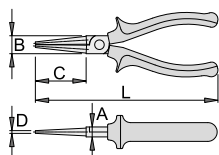
- Toothed jaw is designed to ensure optimum grip of an object.
- Jaw aperture adjustable in 10 positions.
- The HPP pliers have a button for fast regulation of the jaw's gap which enables fast and precise adaptation of the jaw to the wanted grip of the work piece.
- Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, work safety, and greater effectiveness.
- Finish: pliers are drop forged from high quality tool steels and heat treated
- Work: due to the slim construction, the jaws enable one-handed work in difficult-to-reach places
- Made of double-component material which reduces slipping of the hand during work and so enable safe and effective transmission of power from the hand to the pliers' jaws
- Ergonomics: handles are designed to fully adjust to the user's hand and so enable greater handling and work safety

## 476/1BI

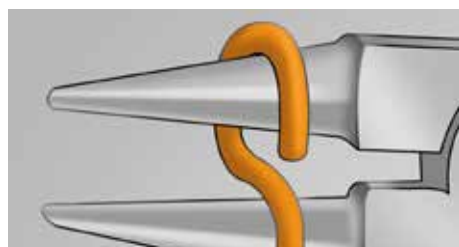
### Long round nose pliers



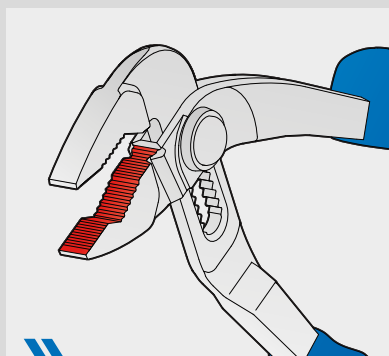
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- minor possibility of damaging wires
- long points enable reaching of wires in hard-to-reach places
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745



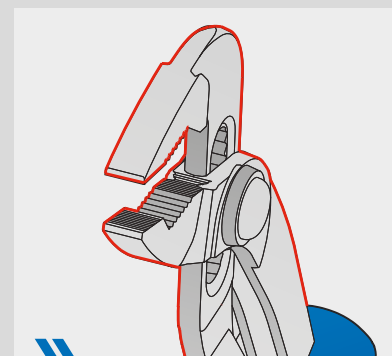
SKU	L	B	A	C	D	
607880	140	15	9	39	2	116
607881	160	16	10	49	2.5	126



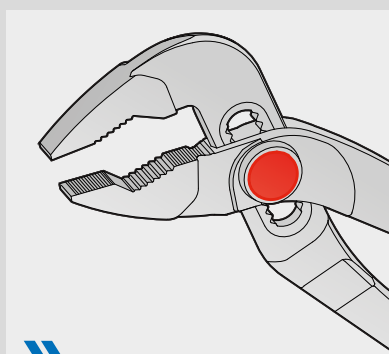
SKU	L	A	O <sub>max</sub>	
620172	240	8.5	40	392



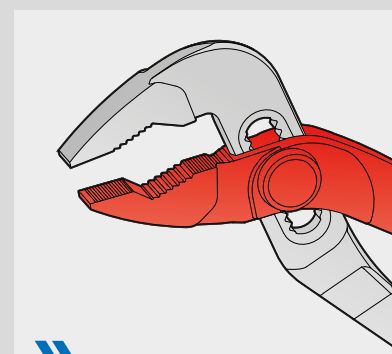
Toothed jaw is designed to ensure optimum grip of an object.



Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, work safety, and greater effectiveness.



The HPP pliers have a button for fast regulation of the jaw's gap which enables fast and precise adaptation of the jaw to the wanted grip of the work piece.



Jaw aperture adjustable in 10 positions.

## 447/4PHPP

### Waterpump pliers



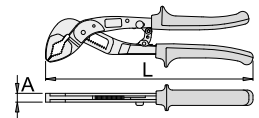
- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717
- › head surface finish: finely ground
- › handles plastic dipped

#### Advantages:

- › toothed jaw is designed to ensure optimum grip of an object
- › jaw aperture adjustable in 10 positions
- › The HPP pliers have a button for fast regulation of the jaw's gap which enables fast and precise adaptation of the jaw to the size of the work piece.
- › Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, safety, and greater effectiveness.
- › Finish: pliers are drop forged from high quality tool steels and heat treated
- › Work: due to the slim construction, the jaws enable one-handed work in difficult-to-reach places
- › Ergonomics: handles are designed to fully adjust to the user's hand and so enable greater handling and work safety

## 442/1HYPO

### Variable joint "HYPO" pliers



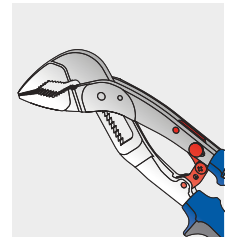
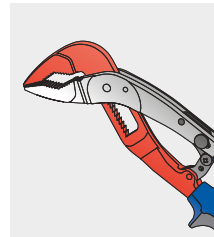
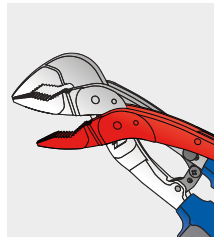
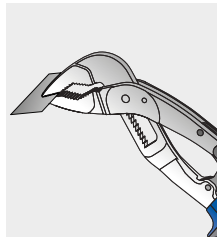
- › material: premium chrome vanadium steel
- › working surfaces induction hardened
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles
- › drop forged, entirely hardened and tempered

#### Advantages:

- › The Hypo pliers are self-adjusting for which it is not necessary to preset the width of the jaws.
- › one hand self-adjusting operation
- › The pliers adapt perfectly to the work piece.
- › maximum jaw aperture up to Ø40 mm.
- › The locking mechanism enables easier storage when the pliers are not in use.

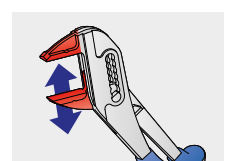
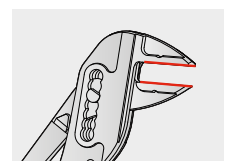
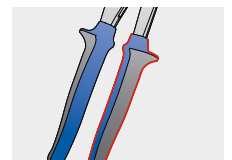
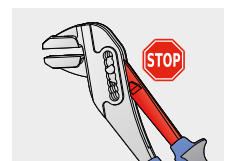


SKU	L	A	O <sub>max</sub>	
616727	180	9.5	33	201
611780	240	9	40	397



## 449/1PYTHON

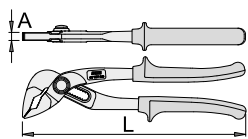
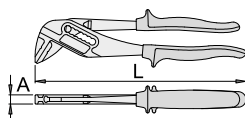
### Waterpump box joint pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles

#### Advantages:

- › jaw aperture adjustable in 7 positions
- › jaws are always parallel to protect the nut from being damaged
- › 449.1 additional plastic jaws for work on chromed and polished nuts



SKU	L	A	O <sub>max</sub>	
620421	240	8.5	40	353

## 449.1

### Plastic jaw for 449/1PYTHON



SKU	L	A	O <sub>max</sub>	
615033	240	2	10	

SKU	L	A	O <sub>max</sub>	
615032	240	11	42	420



## 447/6

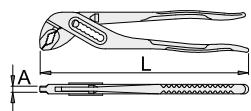
### Waterpump box joint pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › working surfaces induction hardened
- › surface finish: red lacquered
- › made according to standard ISO 8976

#### Advantages:

- › jaw aperture adjustable in 7 positions
- › A special bulge prevents fingers to be pressed between the handles of the pliers.



SKU	L	A	O <sub>Thax</sub>	
607348	175	6.5	26.5	154
603160	240	7.5	35	312
605006	300	8.5	42	464

## 447/1BI

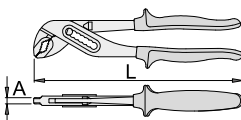
### Waterpump box joint pliers



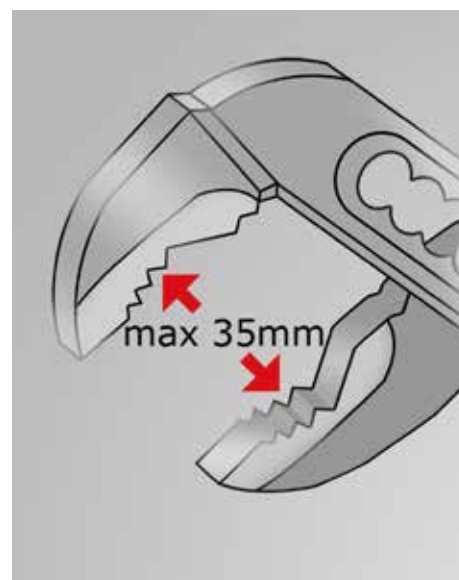
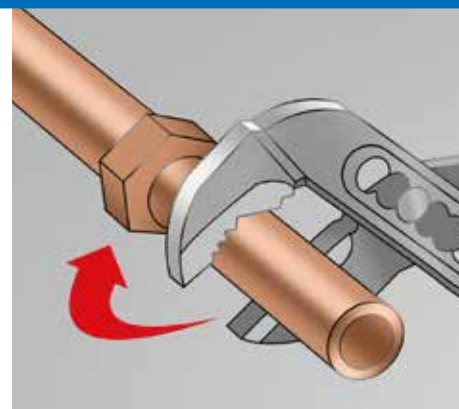
- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › working surfaces induction hardened
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 8976

#### Advantages:

- › A special bulge prevents fingers to be pressed between the handles of the pliers.
- › jaw aperture adjustable in 7 positions



SKU	L	A	O <sub>Thax</sub>	
610984	240	6.5	35	367



## 447/1

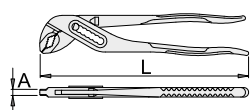
### Waterpump box joint pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › working surfaces induction hardened
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard ISO 8976

#### Advantages:

- › A special bulge prevents fingers to be pressed between the handles of the pliers.
- › jaw aperture adjustable in 7 positions



SKU	L	A	O <sub>Thax</sub>	
605237	240	6.5	35	307

## 441/4P

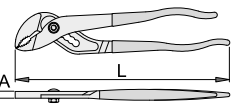
### Slip joint waterpump pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped
- › made according to standard ISO 8976

#### Advantages:

- › jaw aperture adjustable in 5 positions
- › slip joint



SKU	L	A	O <sub>Thax</sub>	
608686	240	7.5	35	297

## 441/7PR

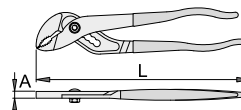
### Waterpump pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › head surface finish: finely ground
- › handles ergonomically shaped
- › handles plastic dipped
- › made according to standard ISO 8976

#### Advantages:

- › jaw aperture adjustable in 6 positions
- › slip joint



SKU	L	A	O <sub>Thax</sub>	
601464	240	8	35	337

## 445/1BI

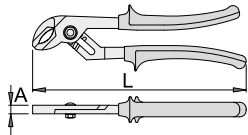
### Double groove joint pliers



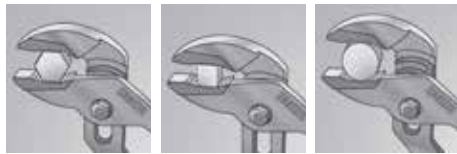
- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 8976

#### Advantages:

- › jaw aperture adjustable in 5 positions for dim. 180, for dim. 240 and 300 in 6 positions
- › grooved joint



SKU	L	A	O <sub>max</sub>	⚙
607885	180	9.9	25	197
620557	240	10.8	35	417
607887	300	12.2	40	657



## 445/1P

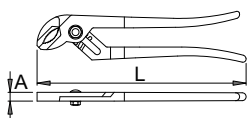
### Double groove joint pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › handles plastic dipped
- › made according to standard ISO 8976

#### Advantages:

- › jaw aperture adjustable in 11 positions
- › grooved joint



SKU	L	A	O <sub>max</sub>	⚙
608213	410	15	105	1290

## 445/4G

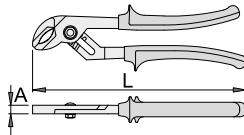
### Double groove joint pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › heavy duty plastic handles
- › made according to standard ISO 8976

#### Advantages:

- › jaw aperture adjustable in 5 positions for dim. 180, for dim. 240 and 300 in 6 positions
- › grooved joint



SKU	L	A	O <sub>max</sub>	⚙
608690	180	9.9	25	197
620558	240	10.8	35	417
608692	300	12.2	40	657

## 514/1BI



Pliers can be used for crimping insulated spade terminals.



Stripping off insulations from Ø2.2 mm to Ø3.0 mm.



Stripping off insulations from Ø3.5 mm to Ø4.0 mm.



Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.



Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.



Crimping cable terminals up to Ø4.0 mm.

## 514/1BI

### Multifunctional electrician's pliers



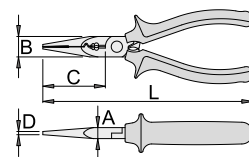
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles

#### Advantages:

- › 7 different functions
- › multi-toothed jaw
- › ergonomically shaped handle
- › extra strong grip
- › Extra strong grip - the design and shape of the handles give the hand more leverage during use, enabling more stability and safer transmission of force.
- › high durability
- › Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

#### Usage:

- › The ground part of the jaw is intended for gripping objects with sensitive surfaces.
- › The pliers can be used for crimping insulated spade terminals.
- › Stripping off insulations from Ø 2.2 mm to Ø 3.0 mm.
- › Stripping off insulations from Ø 3.5 mm to Ø 4.0 mm.
- › Cutting wires from Ø 2.2 mm to Ø 4.0 mm.
- › Crimping cable terminals up to Ø 4.0 mm.



SKU	L	B	D	A	C	⚙
612782	160	16	2.5	9	49	141

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø1	max 650 N/mm² Ø1
612782	160	1,6	2,0

**MADE  
FOR  
WORK.**

## 478/1BI

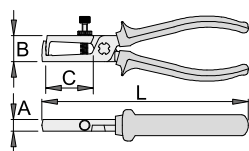
### Wire stripping pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles

#### Advantages:

- spring for reopening
- stripping capacity: up to max 0.6 - 10mm<sup>2</sup>



SKU	L	mm	B	A	C	mm
607882	160	0.6 - 10	18	9	40	178

## 478/4G

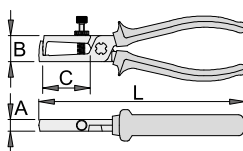
### Wire stripping pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles

#### Advantages:

- spring for reopening
- stripping capacity: up to max 0.6 - 10mm<sup>2</sup>



SKU	L	mm	B	A	C	mm
608701	160	0.6 - 10	18	9	40	178

## 425/4A

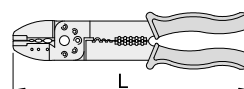
### Crimping pliers



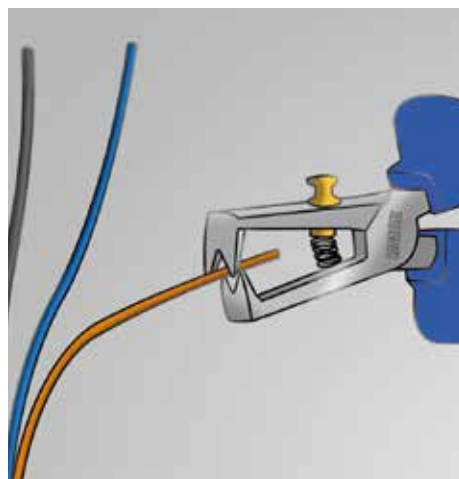
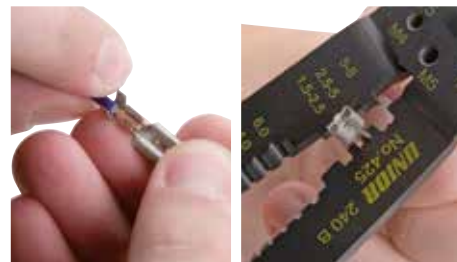
- material: premium plus carbon steel
- entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles

#### Usage:

- for insulated and closed non-insulated terminals (1,5-6mm<sup>2</sup>), for cutting cables, screws and stripping insulation



SKU	mm	L	mm
601136	1.5 - 6	240	320



## 424/4P

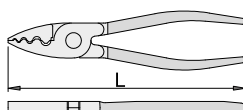
### Crimping pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped

#### Usage:

- for non-insulated terminals (dim. 140 from 0,5-2,5mm<sup>2</sup>, dim. 180 0,25-16mm<sup>2</sup>)
- for crimping non-insulated cord end terminals



SKU	mm	L	mm
607949	0.5 - 2.5	140	144
607950	0.25 - 16	180	258





## 425/4AB

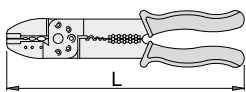
### Crimping pliers



- › material: premium plus carbon steel
- › entirely hardened and tempered
- › surface finish: phosphated to standard ISO 9717
- › heavy duty plastic handles

#### Usage:

- › for non-insulated standard and closed terminals (1,5-6mm<sup>2</sup>), for cutting cables, screws and stripping insulation



SKU		L	
605806	1.5 - 6	240	320



## 425/4B

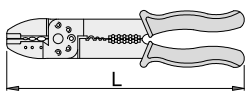
### Crimping pliers



- › material: premium plus carbon steel
- › entirely hardened and tempered
- › surface finish: phosphated to standard DIN 12476
- › heavy duty plastic handles

#### Usage:

- › for insulated and non-insulated open terminals (1,5-6mm<sup>2</sup>), for cutting cables, screws and stripping insulation



SKU		L	
601137	1.5 - 6	240	320

## 427/4AG

### Crimp grip pliers



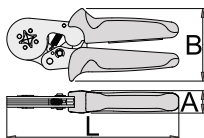
- › material: premium chrome vanadium steel
- › surface finish: phosphated to standard ISO 9717
- › heavy duty double - component handles

#### Advantages:

- › strong metal crimping profile with electrical plating
- › reinforced connecting spring for longer usage life
- › square crimping performs a better contact than traditional crimping profile

#### Usage:

- › for cord end sleeves 0,08 - 10mm<sup>2</sup>/AWG28 - 7



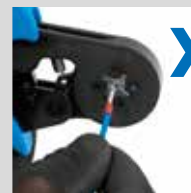
SKU	L	B	A	
621550	180	76	20	433



Automatic self-adjustment to requested wire size.



Square crimp.



High-precision die geometry leads to a clearly defined crimp shape of the ferrule.



## 427/4CG

### Crimp grip pliers



- › material: premium plus carbon steel
- › surface finish: phosphated to standard ISO 9717
- › heavy duty double - component handles

#### Advantages:

- › special designed clamping jaws hold the wire securely during the stripping process

#### Usage:

- › swivel knob micro-adjusts for thinner wire to 30AWG (0.05mm<sup>2</sup>) or thicker wire to 8AWG (8mm<sup>2</sup>)
- › crimp non-insulated terminals 10-22AWG (1.5 to 6.0mm<sup>2</sup>)
- › crimp insulated terminals 10-22AWG (1.5 to 6.0mm<sup>2</sup>)



## 427/4DG

### Modular crimping pliers



- › material: premium plus carbon steel
- › surface finish: phosphated to standard ISO 9717
- › heavy duty double - component handles

#### Advantages:

- › exact crimping process due to parallel crimping

#### Usage:

- › for crimping 6- and 8-pole Western plugs type RJ 11/12 (9.65 mm width) and type RJ 45 (11.68 mm width)
- › tool for cutting and stripping unshielded ribbon telephone cables
- › with additional stripping device for round cables
- › with length cutter and dismantling knife for ribbon cables 6 and 12 mm width

SKU	
621553	401



## 427/2FG

### Crimp grip pliers



- › material: premium plus carbon steel
- › jaws hardened to 38-40HRC
- › very easy to handle

#### Advantages:

- › hexagon crimping
- › the respective cross-section is set by rotating profile disks
- › Dented 6-position rotating dies 6, 10, 16, 25, 35, 50mm<sup>2</sup>
- › lever transmission permits light force transfer

SKU		
621555	6 - 50	1350



## 428/4

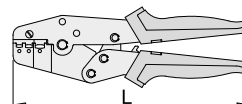
### Crimp lever pliers



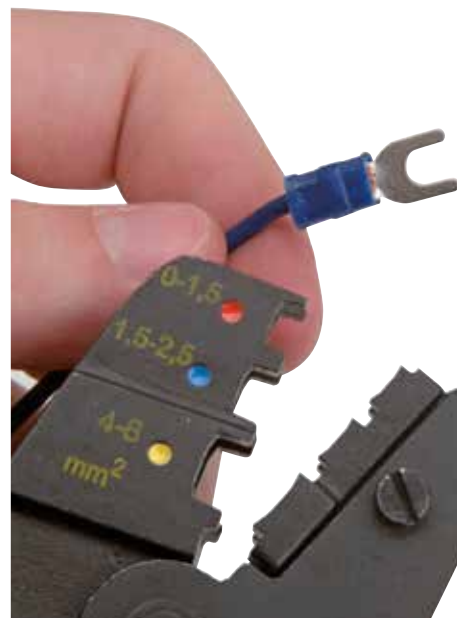
- › material: premium sheet metal
- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › toggle joint ensures high compression pressure with little effort
- › heavy duty plastic handles
- › re-changeable head-spare part
- › surface finish: phosphated to standard ISO 9717

#### Usage:

- › for insulated terminals (0,5-6mm<sup>2</sup>)



SKU		L	
602327	0.5 - 6	226	575



## 428/4AGPB

Set of grip crimp pliers with exchangeable jaws in plastic box



- › material: premium plus carbon steel
- › surface finish: phosphated to standard ISO 9717
- › heavy duty double - component handles
- › Dimension of box: 307 x 260 x 55

### Advantages:

- › ratchet crimp system ensures reliable work
- › quick changing system for 4 different types of jaws

### Usage:

- › for insulated terminals AWG10-12/14-16/18-22 (4-6/1.5-2.5/0.5-1.0mm<sup>2</sup>)
- › for non-insulated terminals AWG14-6 (0.2-16mm<sup>2</sup>)
- › for cord end terminals AWG22-6 (0.5-16mm<sup>2</sup>)
- › for BNC/TNC coax connectors RG-58, RG-59/62. Hex connectors 0.255 (6.48mm<sup>2</sup>), 0.213 (5.41mm<sup>2</sup>), 0.068 (1.73mm<sup>2</sup>)

## 380

Wire stripper



- › material: polyamide

### Advantages:

- › adjustable length stop of 5-12 mm
- › easily accessible built - in side cutter for max. 2mm

### Usage:

- › fully insulated automatic wire stripper for all common standard and solid conductors of 0, 2-6mm<sup>2</sup>

SKU	mm	
610925	0.2 - 6	117

## 385G

Cable stripper with straight knife



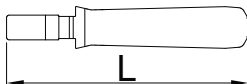
- › material: polyamide

### Advantages:

- › no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
- › the swivel blade automatically turns from circular to longitudinal cut

### Usage:

- › accurate, fast and safe stripping of all common round cables of 4-28 mm<sup>2</sup>



SKU	mm	L	
610931	4 - 28	170	92

## 385H

Cable stripper with hook knife



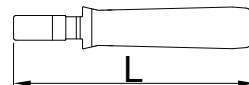
- › material: polyamide

### Advantages:

- › no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
- › the swivel blade automatically turns from circular to longitudinal cut

### Usage:

- › accurate, fast and safe stripping of all common round cables of 4-28 mm<sup>2</sup>



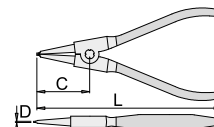
SKU	mm	L	
610930	4 - 28	170	91

## 532/1P

External lock rings pliers, straight



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › tips black finish
- › handles plastic dipped
- › made according to standard DIN 5254 form A

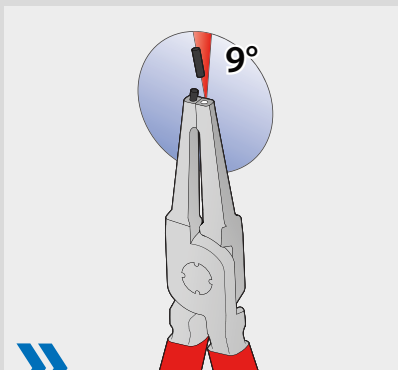


SKU	L	Ω	D	C	
616734	300	85 - 140	3.2	86	502

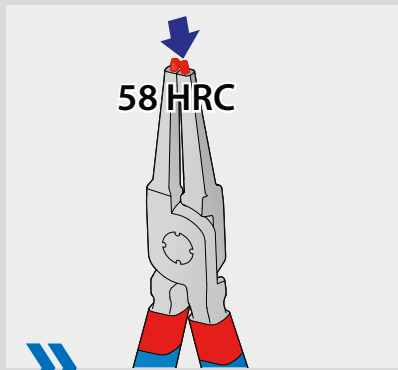
SKU	
621557	1315



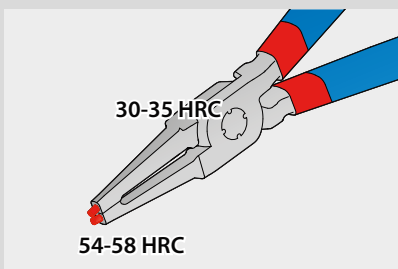




The tips are inserted into the jaw at an angle that prevents the circlip from sliding off the tips.



Tips hardened to 58 HRC prevent bending or breaking during the removal or insertion of circlips.

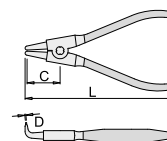


## 534/1P

### External lock rings pliers, bent



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › tips black finish
- › handles plastic dipped
- › made according to standard DIN 5254 form B



SKU	L	Ω	D	C	⚙
616737	300	85 - 140	280	3.2	68 502

## 532PLUS/1DP

### External lock rings pliers, straight



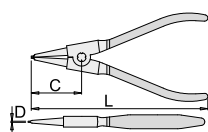
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › tips black finish
- › double plastic dipped handles
- › made according to standard DIN 5254 form A

#### Advantages:

- › 30% higher endurance in comparison to convenient lock rings pliers
- › with inserted tips
- › for diameter 3 to 100mm

#### Usage:

- › for fitting circlips on shafts



SKU	L	Ω	D	C	⚙
621187	140	3 - 10	0.9	40	127
621188	140	10 - 25	1.3	40	131
621189	180	19 - 60	1.8	52	209
621190	220	40 - 100	2.2	63	276

## 534PLUS/1DP

### External lock rings pliers, bent



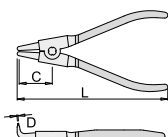
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › tips black finish
- › made according to standard DIN 5254 form B
- › double plastic dipped handles

#### Advantages:

- › 30% higher endurance in comparison to convenient lock rings pliers
- › with inserted tips
- › for diameter 3 to 100mm

#### Usage:

- › for fitting circlips on shafts



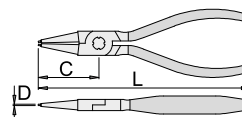
SKU	L	Ω	D	C	⚙
621195	140	3 - 10	128	0.9	28 134
621196	140	10 - 25	128	1.3	28 124
621197	180	19 - 60	166	1.8	38 204
621198	220	40 - 100	201	2.3	48 274

## 536/1P

### Internal lock rings pliers, straight



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › tips black finish
- › made according to standard DIN 5256 form C
- › handles plastic dipped

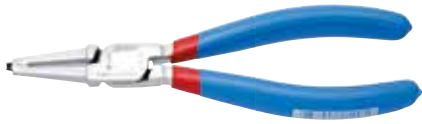


SKU	L	Ω	D	C	⚙
616740	300	85 - 140	3.2	86	491

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## 536PLUS/1DP

### Internal lock rings pliers, straight



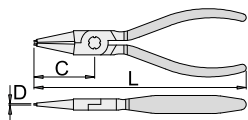
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › tips black finish
- › double plastic dipped handles
- › made according to standard DIN 5256 form C

#### Advantages:

- › 30% higher endurance in comparison to convenient lock rings pliers
- › with inserted tips
- › for diameter 8 to 100mm

#### Usage:

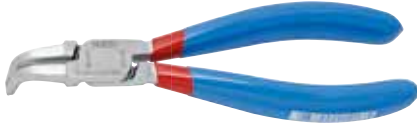
- › for fitting circlips on bore holes



SKU	L	♀	D	C	♂
621203	140	8 - 13	0.9	40	111
621204	140	12 - 25	1.3	40	115
621205	180	19 - 60	1.8	52	192
621206	220	40 - 100	2.2	63	251

## 538PLUS/1DP

### Internal lock rings pliers, bent



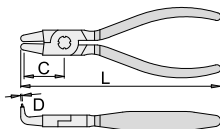
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › tips black finish
- › double plastic dipped handles
- › made according to standard DIN 5256 form D

#### Advantages:

- › 30% higher endurance in comparison to convenient lock rings pliers
- › for diameter 8 to 100mm
- › with inserted tips

#### Usage:

- › for fitting circlips on bore holes



SKU	L	♀	L	D	C	♂
621211	140	8 - 13	128	0.9	28	114
621212	140	12 - 25	128	1.3	28	114
621213	180	19 - 60	166	1.8	38	194
621214	220	40 - 100	202	2.3	48	244

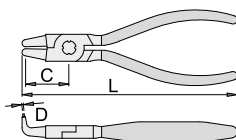


## 538/1P

### Internal lock rings pliers, bent



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › tips black finish
- › made according to standard DIN 5256 form D
- › handles plastic dipped



SKU	L	♀	L	D	C	♂
616734	300	85 - 140	295	3.2	68	501

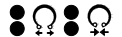
## 539/1PCT

### Lock rings pliers set in bag



#### Set includes:

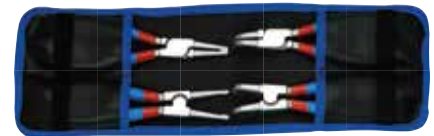
- › 2x external lock rings pliers, straight and bent, dim. 300
- › 2x internal lock rings pliers, straight and bent, dim. 300



SKU	L	♂
616736	85 - 140/300	4

## 539PLUS/1DPCT

### Set of lock rings pliers PLUS in bag



#### Set includes:

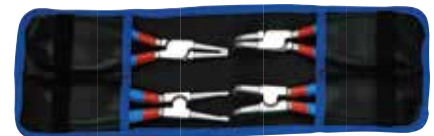
- › 2x external lock rings pliers, straight and bent, dim. 140 (3 - 10mm)
- › 2x internal lock rings pliers, straight and bent, dim. 140 (8 - 13mm)



SKU	L	♂
621623	3 - 13/140	4

## 539PLUS/1DPCT

### Set of lock rings pliers PLUS in bag



#### Set includes:

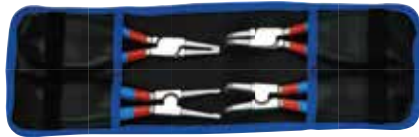
- › 2x external lock rings pliers, straight and bent, dim. 140 (10 - 25mm)
- › 2x internal lock rings pliers, straight and bent, dim. 140 (12 - 25mm)



SKU	L	♂
621624	10 - 25/140	4

## 539PLUS/1DPCT

### Set of lock rings pliers PLUS in bag



#### Set includes:

- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180



SKU		
621625	19 – 60/180	4

## 539PLUS/1DPCT

### Set of lock rings pliers PLUS in bag



#### Set includes:

- 2x external lock rings pliers, straight and bent, dim. 220
- 2x internal lock rings pliers, straight and bent, dim. 220



SKU		
621626	40 – 100/220	4

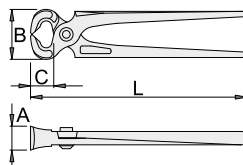


## 530/4

### Carpenters' pincers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 9243



SKU	L	B	A	C	
601342	180	50	23	21	309
601343	200	54	25	24	427
607860	225	54	25	24	419
601344	250	58	26	27	557

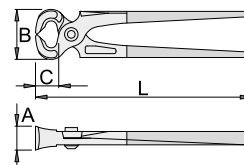


## 530/4P

### Carpenters' pincers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped
- made according to standard ISO 9243



SKU	L	B	A	C	
608723	180	50	23	21	309
608724	200	54	25	24	427
608725	225	54	25	24	419
608726	250	58	26	27	557

## 531/4

### Tower pincers



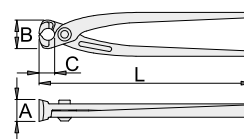
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- the cutting edges are induction-hardened to 61HRC
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 9242

#### Advantages:

- the precise form of the joint enables the automatic opening of the pincers in a horizontal position, so the force is applied only during cutting of the wires

#### Usage:

- useful for the binding and cutting of wires



SKU	L	B	A	C	
601372	190	26	22	15	214
601373	224	30	23	17	333
601374	250	36	25	18	424
601375	280	36	25	18	455



## 531/4P

### Tower pincers



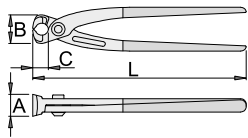
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › the cutting edges are induction-hardened to 61HRC
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped
- › made according to standard ISO 9242

#### Advantages:

- › the precise form of the joint enables the automatic opening of the pincers in a horizontal position, so the force is applied only during cutting of the wires

#### Usage:

- › useful for the binding and cutting of wires



SKU	L	B	A	C	
608727	190	26	22	15	214
608728	224	30	23	17	333
608729	250	36	25	18	424
608730	280	36	25	18	455



## 531/4PR

### Tower pincers



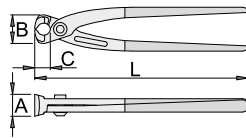
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › the cutting edges are induction-hardened to 61HRC
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped
- › made according to standard ISO 9242

#### Advantages:

- › the precise form of the joint enables the automatic opening of the pincers in a horizontal position, so the force is applied only during cutting of the wires

#### Usage:

- › useful for the binding and cutting of wires



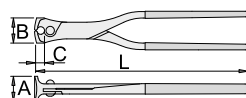
SKU	L	B	A	C	
601386	224	30	23	17	333
601387	250	36	25	18	424
601388	280	36	25	18	455

## 529/4P

### Heavy duty tower pincers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped



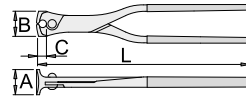
SKU	L	B	A	C	
607494	280	33	33	19	476

## 529/4PR

### Heavy duty tower pincers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped



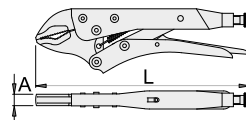
SKU	L	B	A	C	
609563	280	33	33	19	466

## 429/3

### Universal lock - grip pliers



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw phosphated
- › symmetric jaws



SKU	L	A	O <sub>max</sub>	
613101	175	10	30	362
605206	250	12	35	596
613102	300	14	40	1010

## 430/3

### Grip pliers



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw phosphated

SKU	L	A	O <sub>max</sub>	
601551	175	10	30	365
601552	250	12	35	596
601553	300	14	40	1023

## 432/3A

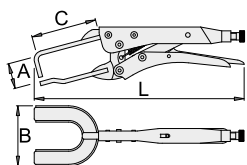
### Welders' lock - grip pliers



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw phosphated

#### Usage:

- › for angle tubes



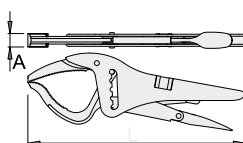
SKU	L	A	B	C	Di	
601142	280	30	76	75	45	466

## 434/3A

### Wheel and rack grip pliers



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw chrome plated



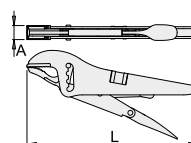
SKU	L	A	O <sub>max</sub>	
616721	270	16	120	695

## 434/3B

### Wheel and rack grip pliers



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw chrome plated



SKU	L	A	O <sub>max</sub>	
616722	220	16	50	544

## 432/3C

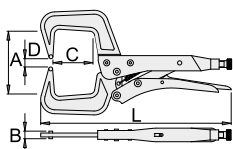
### Welders' lock - grip pliers



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw phosphated

#### Usage:

- › for sheet metal and profiles



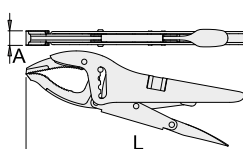
SKU	L	A	B	C	Di	
601144	280	82	10	55	50	717

## 434/3C

### Wheel and rack grip pliers



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw chrome plated



SKU	L	A	O <sub>max</sub>	
616723	250	16	80	615



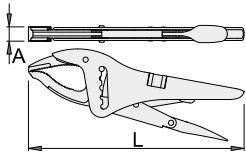
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## 434/3D

### Wheel and rack grip pliers



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw chrome plated



SKU	L	A	O <sub>max</sub>	🔒
616724	250	16	100	639

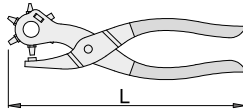


## 558/5P

### Revolving punch pliers with 6 punches



- › handles made of sheet metal
- › punches from special tool steel, entirely hardened and tempered, sharpened
- › surface finish: nickel plated
- › handles plastic dipped
- › dimensions of punches: 2, 2.5, 3, 3.5, 4, 5



SKU	L	🔒
601557	220	287



## 528/4BP

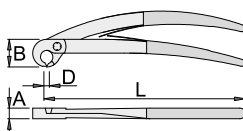
### Tile pincers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped

#### Advantages:

- › spring for reopening



SKU	L	B	A	Dí	🔒
612988	200	40	8.4	8	240

### PLIERS

## 436/4P

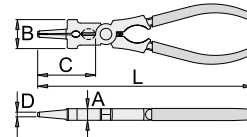
### Universal welding pliers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › spring for reopening
- › head surface finish: finely ground
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped

#### Usage:

- › The universal welding pliers are intended for the maintenance of welding guns for arc welding with protective gas (MAG / MIG welding).
- › dirty nozzle
- › spatter removal from in and outside the nozzle
- › spatter removal from the nozzle end
- › clean nozzle
- › nozzle removal and installation
- › tip removal and installation
- › wire cutting
- › wire cutting out
- › installation bushing removal and installation
- › hammering



SKU	L	B	D	A	C	🔒
616493	180	25	3	10	59	212
616494	210	34	3.5	11	80	306



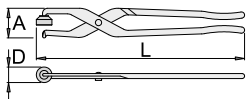


## 431/2

### Brake spring pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › loose oil hardened head, phosphated surface finish: chrome plated



SKU	L	A	øD	⚖
601554	325	53	25	423



## 480/6

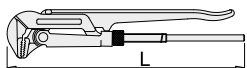
### Pipe wrench 90°, Swedish pattern



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: red lacquered
- › serrated jaws with induction hardened teeth
- › made according to standard DIN 5234 form A

#### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	⊕	O <sub>max</sub>	L	⚖
601481	1"	50	320	692
601482	1.1/2"	60	415	1200
601483	2"	80	540	2050
601484	3"	105	685	3430
605125	4"	125	750	4920

## 481/6

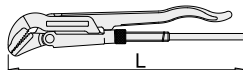
### Pipe wrench 45°, Swedish pattern



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: red lacquered
- › serrated jaws with induction hardened teeth
- › made according to standard DIN 5234 form B

#### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	⊕	O <sub>max</sub>	L	⚖
601495	1/2"	35	265	480
601496	1"	45	335	815
601497	1.1/2"	55	430	1380
601498	2"	70	555	2391
601499	3"	95	700	4300



## 482/6

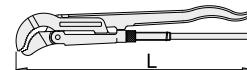
### Pipe wrench 45°, Swedish pattern, S-form



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: red lacquered
- › serrated jaws with induction hardened teeth
- › the jaws enable a good grip on flat, semi-circular and round surfaces
- › made according to standard DIN 5234 form C

#### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	⊕	O <sub>max</sub>	L	⚖
601510	1/2"	35	265	475
601511	1"	50	335	800
601512	1.1/2"	60	430	1350
601513	2"	80	545	2360
601514	3"	105	700	4370



## 400

### Set of pipe wrenches and waterpump box joint pliers in carton box



#### Set includes:

- › 2x pipe wrench 45°, Swedish pattern, S-form (article 482/6) dim. 1", 1.1/2"
- › 1x waterpump box joint pliers (article 447/6) dim. 240

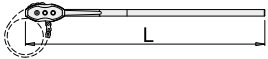
SKU	⚡
612599	3

## 484/6

### Chain pipe wrenches



- › material: premium plus carbon steel
- › jaws and tube drop forged
- › serrated jaws with induction hardened teeth
- › possibility of rotating the jaw
- › surface finish: lacquered tube, other parts anticorrosion oiled
- › the chain can withstand extremely high loads



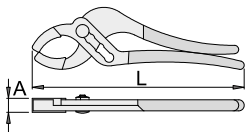
SKU	⊕	O <sub>max</sub>	L	⚙
601530	4	160	815	6735
601531	6	200	965	9238
601532	8	300	1130	13000
601533	12	400	1290	18000

## 487/2P

### Drain trap pliers



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009
- › additional plastic jaws for working with soft material



SKU	L	⊕	A	⚙
612869	235	18 - 67	14.5	315



## 492/6

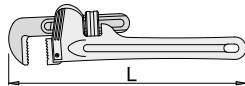
### Heavy duty pipe wrench



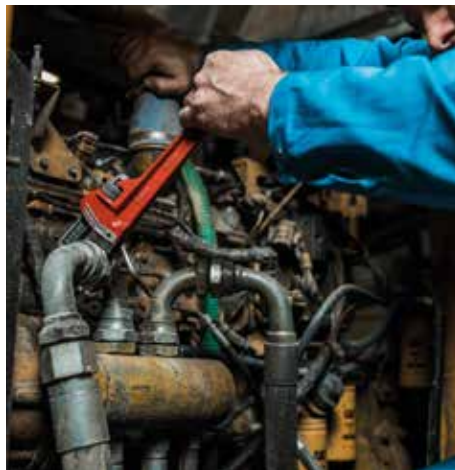
- › material: premium chrome vanadium steel
- › jaws entirely hardened and tempered, teeth additionally induction hardened
- › replaceable jaws, phosphated
- › adjustable upper jaw
- › handle lacquered
- › jaws and screws as spare parts for art. 492/6, 490/6 and 492AL

#### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	L"	⊕	O <sub>max</sub>	L	⚙
601544	8"	1"	34	200	375
601545	10"	1.1/2"	49	250	760
618893	12"	1.3/4"	55	300	1100
601546	14"	2"	60	350	1520
601547	18"	2.1/2"	76	450	2360
601548	24"	3"	89	600	4126
601549	36"	5"	140	900	7200
618894	48"	6"	165	1200	14800



## 492AL

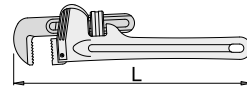
### Heavy duty pipe wrench AL



- › material: premium plus carbon steel
- › jaws entirely hardened and tempered, teeth additionally induction hardened
- › replaceable jaws, phosphated
- › adjustable upper jaw
- › jaws and screws as spare parts for art. 492/6, 490/6 and 492AL
- › aluminium handle

#### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	L"	⊕	O <sub>max</sub>	L	⚙
602719	14"	2"	60	325	960
602720	18"	2.1/2"	76	410	1560
602721	24"	3"	89	555	2450
602722	36"	5"	140	790	4600

## 494/6

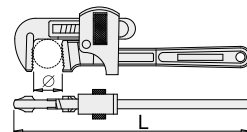
### Adjustable pipe wrench



- › the handle is drop forged from special tool steel
- › jaw guide made from special alloy
- › working surfaces induction hardened
- › teeth ground
- › lacquered

#### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	L"	⊕	O <sub>max</sub>	L	⚙
619786	8"	3/4"	27	200	280
619787	10"	1"	35	250	580
619788	12"	1.1/4"	43	300	780
619789	14"	1.1/2"	50	350	1050
619790	18"	2"	60	450	1808
619791	24"	2.1/2"	76	600	3250
619792	36"	3.1/2"	100	900	6300







# CABLE CUTTING, STRIPPING AND CRIMPING TOOLS

A dedicated cable processing tool is an excellent utility aimed primarily at professional users; both electricians and industrial technicians, maintenance workers, etc. With its customized design and perfect functionality, it enables the latter to carry out their daily work easily and safely. High-quality steel with a special composition and additional chrome surface protection also gives the tool a longer service life.



#### **FIT FOR ITS PURPOSE AND FUNCTION**

Specialised tool for working with electrical and other cables that is intended for professional users.



#### **SOPHISTICATED DESIGN**

Ergonomic pliers design to ensure maximum comfort and minimal effort during work.



#### **PRECISION**

Technologically perfected, Unior pliers provide a truly precise grip.

**Premium Hard +**

### **Premium Hard Plus carbon steel**

#### **Effortless cutting**

In addition to carbon, manganese, silicon and chrome, this special carbon steel also contains vanadium, which considerably improves the pinching characteristics of the tool by increasing its carbide hardness. Pincers made from this steel prove their excellent efficiency, even when used on the hardest of wires. The high carbon content results in both a higher tensile strength of the material and in increased durability. Improvements made subsequent to the inductive forging process lead to extraordinarily high jaw hardness.

#### **Special carbon steel, in accordance with EU Directive 2000/53/EC and the EN 10058 standards**

- › 0,80% carbon for higher tensile strength and durability
- › 0,70% manganese for higher tensile strength and ductility
- › 0.30% silicon for higher elasticity
- › 0,25% chrome for higher tensile strength and lower susceptibility to cracking



#### **WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.**

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

CUTTING **112 - 114**

STRIPPING **115**

CRIMPING **116 - 117**

## 580/1BI

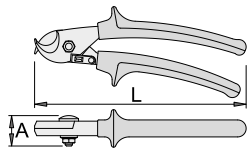
### Cable shears



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › surface finish: chrome plated according to ISO 1456:2009
- › head polished
- › heavy duty double - component handles
- › jet stamp UNIOR

#### Important!

- › for cutting cables without steel wire



SKU	L	A	Øi	📦
609238	170	22	10	339
609239	230	22	17	444



## 585/6

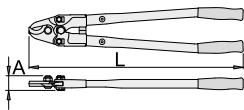
### Cable shears



- › material: cutter from premium plus carbon steel
- › steel handles, lacquered, heavy duty plastic handles
- › cutting edges separately induction hardened
- › jaws exchangeable

#### Important!

- › for cutting cables without steel wire or inside steel coat



SKU	L	A	O <sub>max</sub>	📦
615226	550	38	23	2080
616732	800	42	39	3660



## 585.1/7

### Spare jaw for 585/6



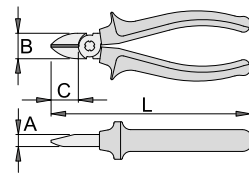
SKU	L	📦
618620	550	354
618621	800	810

## 461/1BI

### Diagonal cutting nippers



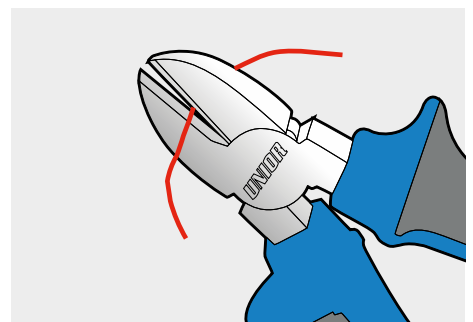
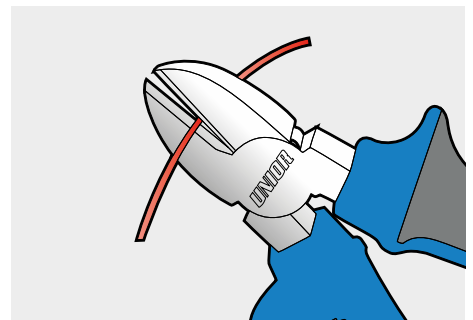
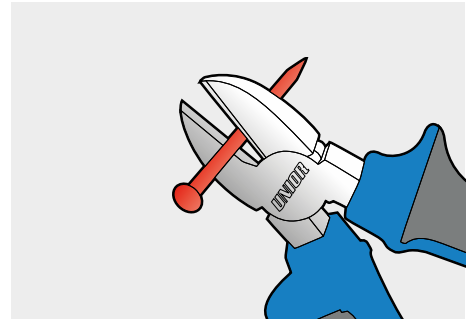
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5749



SKU	L	B	A	C	📦
607883	140	19	9.5	18	169
607884	160	22.5	10	22	214

cutting capacity (10N=1 kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
607883	140	1,6	2,0
607884	160	1,6	2,5





## 462/1BI

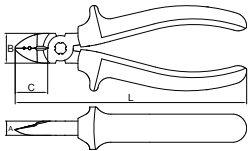
### Multifunctional diagonal cutting nippers



- › material: premium plus carbon steel
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles

#### Advantages:

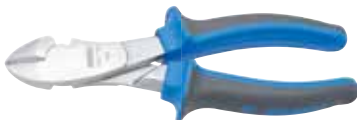
- › Stripping off insulation of single conductors 1,5 mm<sup>2</sup> and 2,5mm<sup>2</sup>



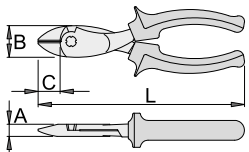
SKU	L	B	A	C	
624059	160	21	10	22	211
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm <sup>2</sup> Ø i	max 650 N/mm <sup>2</sup> Ø i		
624059	160	1,6	2,5		

## 466/1BI

### Heavy duty diagonal cutting nippers



- › material: premium flex plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5749



SKU	L	B	A	C	
617686	160	23,5	10	20,5	214
608850	180	28	11	20	313
608837	200	27	11	21	344
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm <sup>2</sup> Ø i	max 650 N/mm <sup>2</sup> Ø i		
617686	160	1,6	2,5		
608850	180	1,8	3,0		
608837	200	2,0	3,5		

## 469SHARK/4ADP

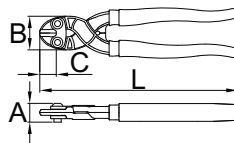
### BOLTSHARK cutter



- › These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from Premium Hard Plus carbon steel with induction hardened cutting edges, BoltShark cutter can cut through up to 6mm of soft metal wire, 4mm of hard steel, and 3.6mm of tempered piano wire or steel spring. In addition to wire, the Boltshark cutters will quickly and cleanly cut through 5mm diameter nails, screws and rivets. The included groove holds thicker wire in position, preventing it from rolling along the cutting edge as the jaws are tightened.
- › drop forged from Premium Hard Plus carbon steel
- › fully hardened to ~47HRC, with cutting edges induction hardened to ~64HRC
- › finished with an anti-corrosive black coating and lightly oiled
- › double-dipped plastic non-slip handles provide good ergonomic hand grip

#### Advantages:

- › Engineered with a two-rivet joint, which uses a compound action to give increased cutting force with less effort.
- › The strongest force needs to be applied at the start of the cut, when the handles are furthest apart. BoltShark cutters are designed with the handles tighter together allowing the maximum force to be applied from the very start of the cut.
- › Central cutting edges leave a bevelled finish on both sides of the cut.
- › for precise cutting of soft (up to 6 mm), hard (up to 3,5 mm) and piano wires (up to 3 mm)
- › easily cuts parts such as screws, nails, rivets, etc. up to 4 mm thickness

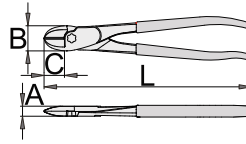


SKU	L	B	A	C	
627533	200	34,8	19,5	16,5	354
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm <sup>2</sup> Ø i	max 1600 N/mm <sup>2</sup> Ø i	max 650 N/mm <sup>2</sup> Ø i	
627533	200	3	3,5	6	



## 467SHARK/4DP

### Powershark cutter



- These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from high carbon steel with induction hardened cutting edges, PowerShark cutter can cut through up to 6mm of soft metal wire, 3,5 mm of hard steel, and 3 mm of tempered piano wire or steel springs. In addition to wire, the Powershark cutters will quickly and cleanly cut through 4mm diameter nails, screws and rivets.
- drop forged from Premium Hard Plus carbon steel
- double-dipped plastic non-slip handles provide good ergonomic hand grip

#### Advantages:

- fully hardened to ~47HRC, with cutting edges induction hardened to ~64HRC
- finished with an anti-corrosive black coating and lightly oiled
- central cutting edges leave a bevelled finish on both sides of the cut

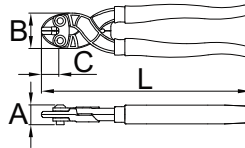
#### Usage:

- for precise cutting of soft (up to 6 mm), hard (up to 3,5 mm) and piano wires (up to 3 mm)
- easily cuts parts such as screws, nails, rivets, etc. up to 4 mm thickness

SKU	L	B	A	C	
626490	250	30	12	24	389
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm <sup>2</sup> ØI	max 1600 N/mm <sup>2</sup> ØI	max 650 N/mm <sup>2</sup> ØI	
626490	250	3	3,5	6	

## 469SHARK/4DP

### BOLTSHARK cutter with groove



- These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from Premium Hard Plus carbon steel with induction hardened cutting edges, BoltShark cutter can cut through up to 6mm of soft metal wire, 4mm of hard steel, and 3.6mm of tempered piano wire or steel spring. In addition to wire, the Boltshark cutters will quickly and cleanly cut through 5mm diameter nails, screws and rivets. The included groove holds thicker wire in position, preventing it from rolling along the cutting edge as the jaws are tightened.
- drop forged from Premium Hard Plus carbon steel
- fully hardened to ~47HRC, with cutting edges induction hardened to ~64HRC
- finished with an anti-corrosive black coating and lightly oiled
- double-dipped plastic non-slip handles provide good ergonomic hand grip

#### Advantages:

- Engineered with a two-rivet joint, which uses a compound action to give increased cutting force with less effort.
- The strongest force needs to be applied at the start of the cut, when the handles are furthest apart. BoltShark cutters are designed with the handles tighter together allowing the maximum force to be applied from the very start of the cut.
- When cutting thicker diameter wire (over 2.5mm), there is a tendency for the wire to be pushed along the cutting edges as the jaws are tightened. The addition of a groove on the cutting edge holds the material safely in place, preventing this movement and allowing efficient, one-handed operation.
- Tests show that using grooved BoltShark cutters to cut 2mm piano wire requires only 33% of the force needed by traditional strong cutters.
- Central cutting edges leave a bevelled finish on both sides of the cut.
- The included groove holds thicker wire in position.

#### Usage:

- For precise cutting of soft (up to 6 mm), hard (up to 4 mm) and piano wires (up to 3,6 mm).
- Easily cuts parts such as screws, nails, rivets, etc. up to 5 mm thickness.

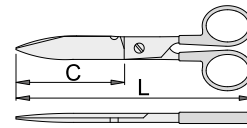
SKU	L	B	A	C	
626500	200	34,8	19,5	16,5	347
cutting capacity (10N=1kg)					
SKU	L	max 2150 N/mm <sup>2</sup> ØI	max 1600 N/mm <sup>2</sup> ØI	max 650 N/mm <sup>2</sup> ØI	
626500	200	3,6	4,0	6	

## 582/3P

### Electricians` scissors



- material: premium flex plus carbon steel
- drop forged
- cutting edges induction hardened
- surface finish: nickel plated
- handles plastic dipped



SKU	L	C	
601127	145	52	81

## 583/6

### PVC pipe cutter



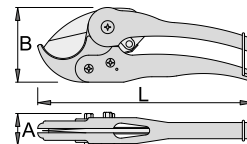
- material: blade from premium plus carbon steel

#### Advantages:

- step cutting mechanism
- right angle cuts are assured

#### Usage:

- intended for cutting PVC pipes (dim. 195 up to 1" and dim. 210 up to 1,5" of thickness)



SKU	L	⊕	
605418	195	1	295
609405	210	1,5	385



# 380

## Wire stripper



- material: polyamide

### Advantages:

- adjustable length strip of 5-12 mm
- easily accessible built-in side cutter for max. 2mm

### Usage:

- fully insulated automatic wire stripper for all common standard and solid conductors of 0,2-6mm<sup>2</sup>

SKU		
610925	0,2 - 6	117

# 385G

## Cable stripper with straight knife



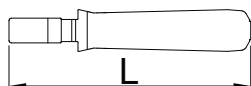
- material: polyamide

### Advantages:

- no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
- the swivel blade automatically turns from circular to longitudinal cut

### Usage:

- accurate, fast and safe stripping of all common round cables of 4-28 mm<sup>2</sup>



SKU		L	
610931	4 - 28	170	92



# 385H

## Cable stripper with hook knife



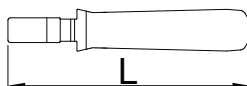
- material: polyamide

### Advantages:

- no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
- the swivel blade automatically turns from circular to longitudinal cut

### Usage:

- accurate, fast and safe stripping of all common round cables of 4-28 mm<sup>2</sup>



SKU		L	
610930	4 - 28	170	91

# 478/1BI

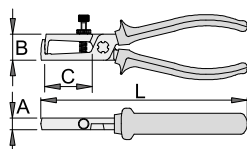
## Wire stripping pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double-component handles

### Advantages:

- spring for reopening
- stripping capacity: up to max 0,6 - 10mm<sup>2</sup>



SKU	L		B	A	C	
607882	160	0,6 - 10	18	9	40	178



# 514/1BI

## Multifunctional electrician's pliers



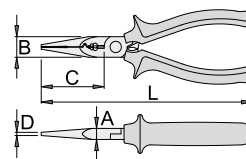
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double-component handles

### Advantages:

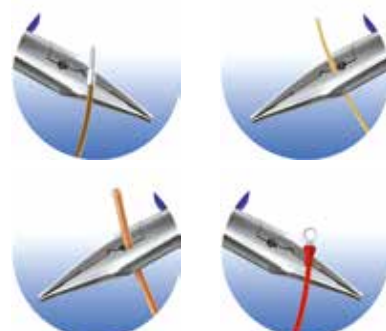
- 7 different functions
- multi-toothed jaw
- ergonomically shaped handle
- extra strong grip
- Extra strong grip - the design and shape of the handles give the hand more leverage during use, enabling more stability and safer transmission of force.
- high durability
- Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

### Usage:

- The ground part of the jaw is intended for gripping objects with sensitive surfaces.
- The pliers can be used for crimping insulated spade terminals.
- Stripping off insulations from Ø 2.2 mm to Ø 3.0 mm.
- Stripping off insulations from Ø 3.5 mm to Ø 4.0 mm.
- Cutting wires from Ø 2.2 mm to Ø 4.0 mm.
- Crimping cable terminals up to Ø 4.0 mm.



SKU	L	B	D	A	C	
612782	160	16	2,5	9	49	141
cutting capacity (10N=1kg)						
SKU	L	max 1600 N/mm <sup>2</sup> Ø I			max 650 N/mm <sup>2</sup> Ø I	
612782	160	1,6			2,0	





## 427/4AG

### Crimp grip pliers



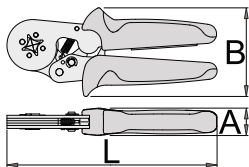
- › material: premium chrome vanadium steel
- › surface finish: phosphated to standard ISO 9717
- › heavy duty double - component handles

#### Advantages:

- › strong metal crimping profile with electrical plating
- › reinforced connecting spring for longer usage life
- › square crimping performs a better contact than traditional crimping profile

#### Usage:

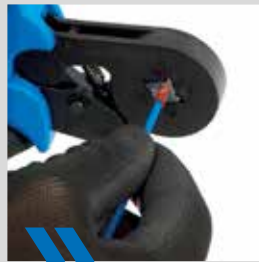
- › for cord end sleeves 0,08 - 10mm<sup>2</sup>/AWG28 - 7



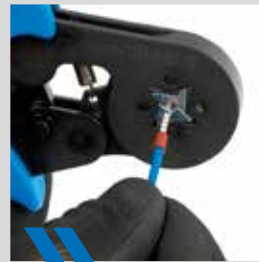
SKU	L	B	A	
621550	180	76	20	433



Automatic self-adjustment to requested wire size.



Square crimp.



High-precision die geometry leads to a clearly defined crimp shape of the ferrule.



## 427/4CG

### Crimp grip pliers



- › material: premium plus carbon steel
- › surface finish: phosphated to standard ISO 9717
- › heavy duty double - component handles

#### Advantages:

- › special designed clamping jaws hold the wire securely during the stripping process

#### Usage:

- › swivel knob micro-adjusts for thinner wire to 30AWG (0.05mm<sup>2</sup>) or thicker wire to 8AWG (8mm<sup>2</sup>)
- › crimp non-insulated terminals 10-22AWG (1.5 to 6.0mm<sup>2</sup>)
- › crimp insulated terminals 10-22AWG (1.5 to 6.0mm<sup>2</sup>)

## 427/4DG

### Modular crimping pliers



- › material: premium plus carbon steel
- › surface finish: phosphated to standard ISO 9717
- › heavy duty double - component handles

#### Advantages:

- › exact crimping process due to parallel crimping

#### Usage:

- › for crimping 6- and 8-pole Western plugs type RJ 11/12 (9.65 mm width) and type RJ 45 (11.68 mm width)
- › tool for cutting and stripping unshielded ribbon telephone cables
- › with additional stripping device for round cables
- › with length cutter and dismantling knife for ribbon cables 6 and 12 mm width

## 427/2FG

### Crimp grip pliers



- › material: premium plus carbon steel
- › jaws hardened to 38-40HRC
- › very easy to handle

#### Advantages:

- › hexagon crimping
- › the respective cross-section is set by rotating profile disks
- › Dented 6-position rotating dies 6, 10, 16, 25, 35, 50mm<sup>2</sup>
- › lever transmission permits light force transfer

SKU	
621552	378

SKU	
621553	401

SKU	
621555	6 - 50 1350

## 428/4

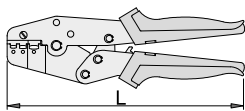
### Crimp lever pliers



- material: premium sheet metal
- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- toggle joint ensures high compression pressure with little effort
- heavy duty plastic handles
- re-changeable head-spare part
- surface finish: phosphated to standard ISO 9717

#### Usage:

- for insulated terminals (0,5-6mm<sup>2</sup>)



SKU		L	
602327	0.5 - 6	226	575

## 428/4AGPB

### Set of grip crimp pliers with exchangeable jaws in plastic box



- material: premium plus carbon steel
- surface finish: phosphated to standard ISO 9717
- heavy duty double - component handles
- Dimension of box: 307 x 260 x 55

#### Advantages:

- ratchet crimp system ensures reliable work
- quick changing system for 4 different types of jaws

#### Usage:

- for insulated terminals AWG10-12/14-16/18-22 (4-6/1.5-2.5/0.5-1.0mm<sup>2</sup>)
- for non-insulated terminals AWG14-6 (0.2-16mm<sup>2</sup>)
- for cord end terminals AWG22-6 (0.5-16mm<sup>2</sup>)
- for BNC/TNC coax connectors RG-58, RG-59/62. Hex connectors 0.255 (6.48mm<sup>2</sup>), 0.213 (5.41mm<sup>2</sup>), 0.068 (1.73mm<sup>2</sup>)

SKU		
621557		1315

## 424/4P

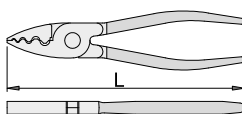
### Crimping pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped

#### Usage:

- for non-insulated terminals (dim. 140 from 0,5-2,5mm<sup>2</sup>, dim. 180 0,25-16mm<sup>2</sup>)
- for crimping non-insulated cord end terminals



SKU		L	
607949	0.5 - 2.5	140	144
607950	0.25 - 16	180	258

## 425/4A

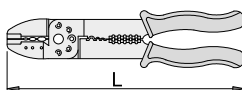
### Crimping pliers



- material: premium plus carbon steel
- entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles

#### Usage:

- for insulated and closed non-insulated terminals (1,5-6mm<sup>2</sup>), for cutting cables, screws and stripping insulation



SKU		L	
601136	1.5 - 6	240	320

## 425/4AB

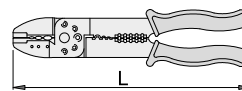
### Crimping pliers



- material: premium plus carbon steel
- entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles

#### Usage:

- for non-insulated standard and closed terminals (1,5-6mm<sup>2</sup>), for cutting cables, screws and stripping insulation



SKU		L	
605806	1.5 - 6	240	320

## 425/4B

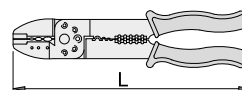
### Crimping pliers



- material: premium plus carbon steel
- entirely hardened and tempered
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles

#### Usage:

- for insulated and non-insulated open terminals (1,5-6mm<sup>2</sup>), for cutting cables, screws and stripping insulation



SKU		L	
601137	1.5 - 6	240	320





# INSULATED TOOLS

## When safety comes first!

In the case of isolated VDE tools, safety is of the utmost importance, even under 1000V high voltage, as this is precisely where extremely strict European regulations apply. Due to the awareness and importance of the latter, we have upgraded this in the development and production of Unior VDE tools, by testing the tools in even more demanding conditions. Quality assurance without defects gives us 100% control of products in the manufacture itself, and then additional sample control for the most demanding tests in the test laboratory. The possibility of complete quality control is also enabled by our 100% own VDE tool manufacture.





**EXCEPTIONAL SAFETY** – provided by the insulated Unior tool at work even under 1000V high voltage. Each tool is thoroughly tested in an impact test, a voltage test, a flame retardation test, an insulation adhesion test and an embossing test. Each tool is individually tested!



The tools are manufactured in accordance with – **STANDARD - EN IEC 60900.**



**DOUBLE-PAINTED INSULATION** – ensuring additional safety.

### **Sustainability – hand in hand with product electrification**

Today, we are witnessing an increase in electricity use around us, both in the field of mobility and in the fields of machine development, heavy machinery, robotics, etc. Progress here has peaked in recent years, so it is of the utmost importance that this is followed by development of the tool.

INSULATED WRENCHES	122 - 123
INSULATED SOCKETS	124 - 125
INSULATED PLIERS	126 - 131
INSULATED SCREWDRIVERS	132 - 136
OTHER INSULATED TOOLS	137
SETS OF INSULATED TOOLS	138 - 139

### **Premium Hard Plus carbon steel - effortless cutting!**

In addition to carbon, manganese, silicon and chromium, the special carbon structural steel also contains vanadium, which significantly improves the tool's clamping capabilities due to its effect on the higher hardness of the carbides. Pliers made of this steel prove their superior efficiency even when used on the hardest wires. The high carbon content, in addition to the higher tensile strength of the material, enables longer durability. As a result of the improvement, distinctly higher wafer hardnesses are achieved after induction hardening.

### **Special carbon structural steel, compliant with EuroDirective 2000/53/EC and EN 10058 standard:**

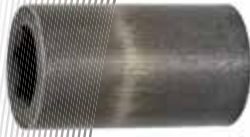
- › 0.80% carbon for greater tensile strength and durability
- › 0.70% manganese for higher tensile strength and toughness
- › 0.30% silicon for greater elasticity
- › 0.25% chromium for higher tensile strength and less susceptibility to cracks

### **Orange as a warning sign**

The double plastic protection of VDE tools ensures double safety at work, because it enables the detection of worn out tools in due time. When tools are worn out, orange colour (protective layer 2) warns a user of the need for immediate replacement.



# A special procedure for the manufacture of insulated tools



**1. Cold forging of the socket:** It involves a sequential technological process that includes annealing, phosphating, and contracting.



**2. CNC working of the socket:** A special-purpose CNC machine is used to work the socket into the required size according to the ISO standard.



**3. Wrench marking:** A special procedure is used to imprint an appropriate marking on a wrench indicating the dimensions and material of the wrench.

**4. Heat treatment:** Annealing and tempering operations are used to give a wrench an appropriate microstructure and optimum strength characteristics, thus providing premium torque values and a long service life.

**5. Sanding:** In sanding, abrasive material is shot on product surface, making it evenly coarse, while rendering it free of the oxides generated in heat treatment. Sanded surfaces are evenly coarse and exact, thus providing excellent product appearance and surface contrast on products that have certain surfaces treated further.

**6. Chroming:** A socket is plated with a thin, but hard coating of chromium oxide that protects against corrosion and other external influence. At the same time it gives the socket a proper professional appearance.



## Plastic coating process

**7. Double plastic coating:** The process of coating of tools in multiple layers of plastic appropriate for work under high voltage conditions is a series of operations with precisely defined parameters of implementation that must not deviate from the requirements. This is the only way to obtain a quality and, most importantly, safe product. Before plastic coating, the piece - the metal part of the tool - has to be prepared for the process. It is degreased in a container of acetone and then dried. In order for the material and the metal part of the tool to adhere together effectively in the required places, the metal part of the tool is submerged in a special liquid that activates its adhesive property. This is followed by mounting the piece on special holders. The process of heating starts in a special chamber furnace and it is then immediately submerged in an orange material. It has to be removed from this material, which is heated to the right temperature, with the optimum speed so that the material drips off. Before the second plastic coating, the pieces are gelatinized in a furnace at the prescribed temperature. This is followed by a second plastic coating with a red material, the process of gelatinizing is repeated and the final plastic coating, once again of the red material, gives the piece the final thickness of a two- or three-layered coating. For the appropriate gloss and a professional appearance, the pieces are stabilized in a furnace at the prescribed temperature.





## 110/2VDEDP

### Insulated single open end wrench



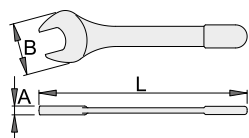
- › material: premium chrome vanadium steel
- › head: chrome plated according to ISO 1456:2009
- › made according to standard ISO 7738 and EN IEC 60900:2018

#### Advantages:

- › double layered - double coloured insulation for additional safety
- › controlled according to standard EN IEC 60900

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	⌀	L	B	A	⚡
618370	6	72	16	6.9	19
618331	7	82	16.1	6.9	26
617801	8	95	21	7	30
621575	9	100	24.5	7.5	35
612175	10	105	24.5	7.5	42
612176	11	112	26	7.5	51
612177	12	125	28	8	65
612178	13	132	30.5	8.5	76
612179	14	140	33	8.5	84
612180	15	150	35	9	96
621576	16	154	40	10	118
612181	17	157	40	10	137
621577	18	165	44	11	151
612182	19	170	44	11	170
618333	20	175	46.4	12.2	184
619201	21	180	48.8	12.5	213
612183	22	195	49	13	234
618335	23	210	52.8	13.1	251
612184	24	220	56	14	311
621578	26	235	59	15	361
617802	27	240	59	15	387
621579	28	245	66	15.8	440
618336	30	260	66.1	15.8	518
618337	32	275	71.4	17.6	620

## 110/2VDEDP

### Set of insulated open end wrenches in carton box



#### Set includes:

- › 10x insulated single open end wrench (article 110/2VDEDP) dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24



SKU	⌀	L	⚡
612676	10 - 24	10	

## 250/1VDP

### Insulated adjustable wrench



- › material: premium chrome vanadium steel
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 6787 and EN IEC 60900:2018

#### Advantages:

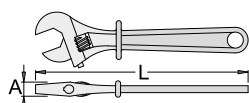
- › double layered - double coloured insulation for additional safety
- › controlled according to standard EN IEC 60900
- › with scale

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.

#### Caution!

- › Adjust the tool before using! Adjustment while working is life dangerous.



SKU	⌀	L	A	⌀	⚡
621917	150	165	35	23	182
616849	200	215	35	28	355
616850	250	265	35	32	579
616851	300	310	36	38	871
622065	380	390	35	50	1505

## 180/2VDEDP

### Insulated single offset ring wrench



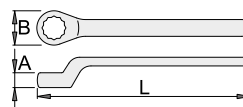
- › material: premium chrome vanadium steel
- › head: chrome plated according to ISO 1456:2009
- › made according to standard ISO 10104 and EN IEC 60900:2018

#### Advantages:

- › double layered - double coloured insulation for additional safety
- › controlled according to standard EN IEC 60900

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	⌀	L	B	A	⚡
621580	6	155	13.5	8.5	51
621581	7	155	15	9	57
621582	8	160	16.5	9.5	62
621583	9	160	17.5	10	72
612185	10	162	19.5	11	81
612186	11	175	20	11.5	97
612187	12	185	21.5	11.5	112
612188	13	185	23	12.5	113
612189	14	190	25.5	13	136
612190	15	195	27	13.5	146
621584	16	190	27.5	14.5	175
612191	17	208	30.5	15.5	185
621585	18	195	30	15.5	210
612192	19	227	33	15.5	233
621586	20	245	34.5	16.2	273
619202	21	244	36.4	13.2	307
612193	22	250	37.5	17.5	300
621587	23	250	39.8	16.8	333
612194	24	255	42	18.5	428
621588	26	265	44	18	450
621589	27	270	44.8	18	411
621590	28	280	36.5	18.5	488
621591	30	310	47	19	574
621592	32	325	51.5	19.5	647



250/1VDP



## 180/2VDEDP

Set of insulated single offset ring wrench in carton box



### Set includes:

- 10x insulated single offset ring wrench (article 180/2VDEDP) dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24



SKU		
612677	10 - 24	10

## 196/2LVDP

Insulated socket wrench with T-handle, long type



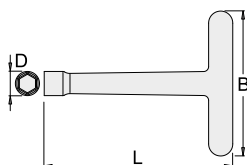
- material: premium chrome vanadium steel
- entirely hardened and tempered
- head: chrome plated according to ISO 1456:2009
- made according to standard DIN EN IEC 60900

### Advantages:

- double layered - double coloured insulation enable additional safety
- controlled according to standard EN IEC 60900

### Important!

- if second layer is visible, replace your VDE tool with the new one.



SKU	⌀	L	B	D	🔒
619143	10	300	160	20	439
619150	11	300	160	21	460
619151	12	300	160	24	495
619152	13	300	160	24	492
619153	14	300	160	27	422
619154	17	300	160	30	640
619155	19	300	160	32	757
619156	20	300	160	34	737
619157	21	300	160	34	772
619158	22	300	160	34	806
619159	23	300	160	45	780
619160	24	300	160	45	875

## 220/3LVDEDP

Insulated hex wrench



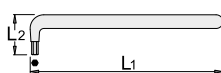
- material: premium chrome vanadium steel
- entirely hardened and tempered
- made according to standard ISO 2936 and EN IEC 60900:2018

### Advantages:

- double layered - double coloured insulation enable additional safety
- controlled according to standard EN IEC 60900

### Important!

- if second layer is visible, replace your VDE tool with the new one.



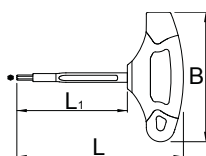
SKU	⌀	L1	L2	🔒
619136	3	130	26	20
619137	4	145	31	31
619138	5	165	36	53
619139	6	188	40	73
619140	8	206	49	135
619141	10	234	55	221
619142	12	262	58	346

## 220TV

Insulated hex T wrench



- controlled according to standard EN IEC 60900
- made according to standard ISO 2936 and EN IEC 60900:2018



SKU	⌀	L	L1	B	🔒
619132	4	109.5	75	80	43
619133	5	109.5	75	80	50
619134	6	143	100	100	94
619135	8	143	100	100	123

## 220TV4PB

Set of insulated hex T wrenches in plastic box



### Set includes:

- 4x insulated hexagon T wrench (article 220TV) dim. 4, 5, 6, 8



SKU		
621648	4 - 8	4



## 190/2VDEDP

### Insulated socket 1/2", 6 point



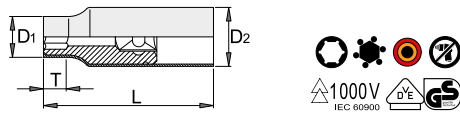
- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › head: chrome plated according to ISO 1456:2009
- › made according to standard ISO 2725-1 and EN IEC 60900:2018

#### Advantages:

- › double layered - double coloured insulation for additional safety
- › controlled according to standard EN IEC 60900

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU		D1	D2	L	T	
617803	8	18	27	54	12	65
612195	10	19,5	27	54	12	72
612196	11	20,7	27	54	12	75
612197	12	22	27	54	12	74
612198	13	23,2	27	54	12	77
612199	14	24,5	27	54	12	72
621594	15	25,7	27	54	12	78
621595	16	27	27	54	12	82
612200	17	28,1	27	54	12	83
621596	18	29,5	27	54	12	94
612201	19	30,7	27	54	14	96
621597	20	32	27	54	14	106
621598	21	33,2	27	54	14	115
612202	22	34,5	27	54	14	108
612203	24	37	27	58	16	158
617804	27	41	27	59	18	176
621602	30	44,5	27	62	22	247
621603	32	47	27	62	22	284



## 190/2LVDEDP

### Insulated socket 1/2", long type, 12 point



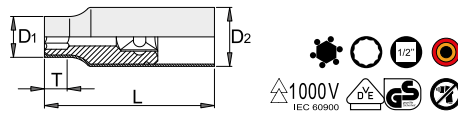
- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › head: chrome plated according to ISO 1456:2009
- › made according to standard ISO 2725-1 and EN IEC 60900:2018

#### Advantages:

- › double layered - double coloured insulation for additional safety
- › controlled according to standard EN IEC 60900

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU		L	D1	D2	T	
619104	10	96	20.7	27	27	116
619105	11	96	21.6	27	27	116
619106	12	96	22.6	27	27	123
619107	13	96	23.3	27	27	127
619108	14	96	25.8	27	35	134
619109	15	96	26.8	27	35	132
619111	17	96	30	27	35	151
619113	19	96	32	27	35	170
619115	21	96	33	27	35	188
621604	22	96	33.6	29.6	35	213
621605	24	96	35.6	31.6	35	238



## 192/2HXVDEDP

### Insulated hex socket 1/2"



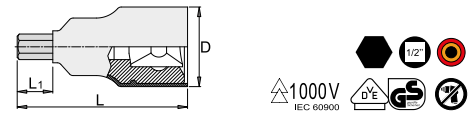
- › material: socket from premium flex chrome vanadium steel
- › material: bit from premium plus carbon steel
- › entirely hardened and tempered
- › made according to standard DIN 7422 and EN IEC 60900

#### Advantages:

- › double layered - double coloured insulation enable additional safety
- › controlled according to standard EN IEC 60900

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU		L	L1	D	
615173	4	76	8	27	76
615174	5	76	8	27	73
615175	6	76	8	27	80
615176	8	76	8	27	96
615177	10	76	8	27	110

## 190.1AVDEDP

### Insulated reversible ratchet 1/2"



- › material: premium chrome vanadium steel
- › Lever for changing the direction
- › made according to standard ISO 3315 and EN IEC 60900:2018

#### Advantages:

- › double layered - double coloured insulation for additional safety
- › 75 - teeth
- › 4,8° working angle
- › controlled according to standard EN IEC 60900

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU		L	B	A	
619119	1/2"	245	50	80	667

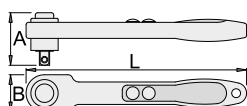


## 190.1VDE

### Insulated reversible ratchet 1/2"



- material: premium chrome vanadium steel
- with 36 teeth
- minimal angle of turn 10°
- button for changing the direction
- controlled according to standard EN IEC 60900
- made according to standard DIN EN IEC 60900



1/2" 1000V IEC 60900

SKU		L	B	A	
612206	1/2"	275	46	66	553



## 190.4/2VDEDP

### Insulated extension bar 1/2"



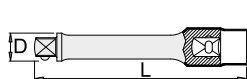
- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- head: chrome plated according to ISO 1456:2009
- made according to standard ISO 3316 and EN IEC 60900:2018

#### Advantages:

- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900

#### Important!

- if second layer is visible, replace your insulated tool with a new one.



1/2" 1/2" 1000V IEC 60900

SKU		L	D	
612205	1/2"	125	27	209
612204	1/2"	250	28	380

## 190.5/2VDEDP

### Insulated offset handle 1/2"



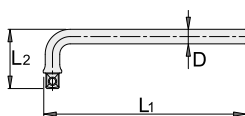
- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3316 and EN IEC 60900:2018

#### Advantages:

- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900

#### Important!

- if second layer is visible, replace your insulated tool with a new one.



1/2" 1000V IEC 60900

SKU	L1	L2	
615178	250	72	408

## 190VDE6P10

### Insulated socket set 1/2" in plastic box



- Dimension of box: 307 x 260 x 70

#### Set includes:

- 7x insulated socket 1/2", 6 point (article 190/2VDEDP) dim. 13, 14, 17, 19, 22, 24, 27
- 1x insulated reversible ratchet 1/2"
- insulated accessories 1/2"; 2x extension bar (125, 250mm)

1/2" 1/2" 1000V IEC 60900

SKU			
621646	13 - 27		10

## 190VDE6P11A

### Insulated socket set 1/2" in metal box



- Dimension of box: 321 x 198 x 54

#### Set includes:

- 9x insulated socket 1/2", 6 point (article 190/2VDEDP) dim. 10, 11, 12, 13, 14, 17, 19, 22, 24
- 1x insulated reversible ratchet 1/2"
- insulated accessories 1/2"; 1x extension bar (125mm)

1/2" 1/2" 1000V IEC 60900

SKU			
612678	10 - 24		11

## 190VDE12P11L

### Insulated socket set 1/2"- long type in metal box



- Dimension of box: 448 x 198 x 54

#### Set includes:

- 9x insulated socket 1/2", long type, 12 point (article 190/2LVDEDP) dim. 10, 11, 12, 13, 14, 17, 19, 22, 24
- 1x insulated reversible ratchet 1/2"
- insulated accessories 1/2"; 1x extension bar (125mm)

1/2" 1/2" 1000V IEC 60900

SKU			
625166	10 - 24		11

## 190VDEDP6P13B

### Insulated socket set 1/2" in metal box



› Dimension of box: 321 x 198 x 54

#### Set includes:

- › 11x insulated socket 1/2", 6 point (article 190/2VDEDP) dim. 8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27
- › 1x insulated reversible ratchet 1/2"
- › insulated accessories 1/2"; 1x extension bar (125mm)



SKU	Length	Weight
619420	8 - 27	13

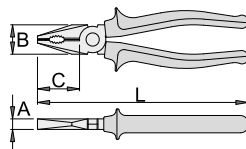


## 406/1VDEBI

### Combination pliers



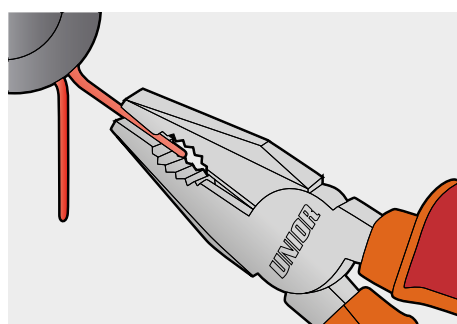
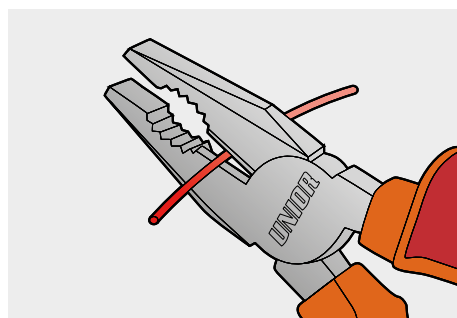
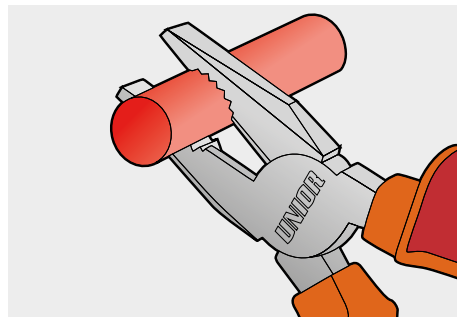
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5746 and EN IEC 60900



SKU	L	B	C	A	Weight
610421	160	24	35	9.5	224
610422	180	27	38	10	274
610423	200	29	41	10.5	344
610424	220	32	47	11	424

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² ØI	max 650 N/mm² ØI
610421	160	1,6	2,0
610422	180	1,8	2,5
610423	200	2,0	2,5
610424	220	2,0	3,0



## 406/1VDEDP

### Combination pliers



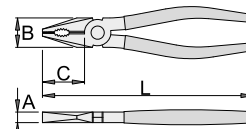
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 5746 and EN IEC 60900

#### Advantages:

- › handles are insulated with double layered - double coloured insulation for additional safety

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	C	A	Weight
619177	140	23	32	8	157
619178	160	24	35	9.5	219
619179	180	27	38	10	269
619180	200	29	41	10.5	321
619181	220	32	47	11	376

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² ØI	max 650 N/mm² ØI
619177	140	1,6	2,0
619178	160	1,6	2,0
619179	180	1,8	2,5
619180	200	2,0	2,5
619181	220	2,0	3,0

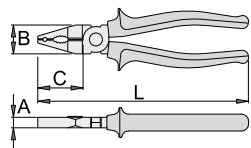


## 420/1VDEBI

### Linemen's pliers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard EN IEC 60900



SKU	L	B	C	A	
610425	180	24	45	11	241
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm <sup>2</sup> Ø I	max 650 N/mm <sup>2</sup> Ø I		
610425	180	1,8	2,5		



## 420/1VDEDP

### Linemen's pliers



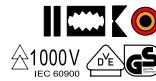
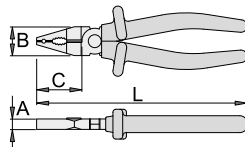
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard EN IEC 60900

#### Advantages:

- › handles are insulated with double layered - double coloured insulation for additional safety

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	C	A	
619176	180	24	45	11	221
cutting capacity (10N=1kg)					
SKU	L	max 1600 N/mm <sup>2</sup> Ø I	max 650 N/mm <sup>2</sup> Ø I		
619176	180	1,8	2,5		

## 447/1VDEDP

### Waterpump box joint pliers



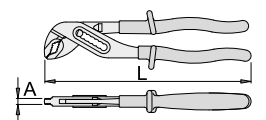
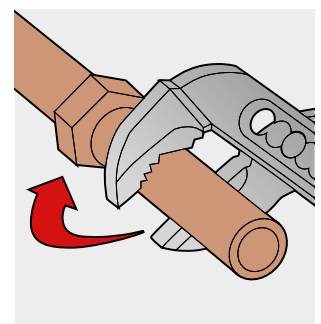
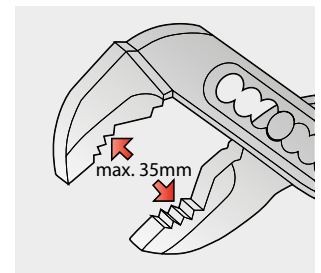
- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › working surfaces induction hardened
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard ISO 8976 and EN IEC 60900

#### Advantages:

- › handles are insulated with double layered - double coloured insulation for additional safety
- › jaw aperture adjustable in 7 positions
- › A special bulge prevents fingers to be pressed between the handles of the pliers.

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	L	A	O <sub>max</sub>	
619199	240	6.5	35	382

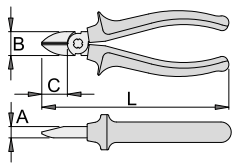


## 461/1VDEBI

### Diagonal cutting nippers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5749 and EN IEC 60900



SKU	L	B	C	A	
610426	140	19	9.5	18	169
610427	160	22.5	10	22	214

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm <sup>2</sup> ØI	max 650 N/mm <sup>2</sup> ØI
610426	140	1,6	2,0
610427	160	1,6	2,5

## 462/1VDEBI

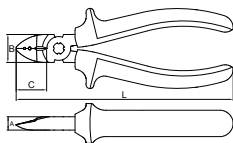
### Multifunctional diagonal cutting nippers



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard EN IEC 60900

#### Advantages:

- › Stripping off insulation of single conductors 1,5 mm<sup>2</sup> and 2,5mm<sup>2</sup>



SKU	L	B	A	C	
624060	160	21	10	22	214

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm <sup>2</sup> ØI	max 650 N/mm <sup>2</sup> ØI
624060	160	1,6	2,5

## 461/1VDEDP

### Diagonal cutting nippers



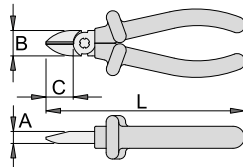
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard ISO 5749 and EN IEC 60900

#### Advantages:

- › handles are insulated with double layered - double coloured insulation for additional safety

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	C	A	
619193	140	19	9.5	18	174
619194	160	22.5	10	22	224

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm <sup>2</sup> ØI	max 650 N/mm <sup>2</sup> ØI
619193	140	1,6	2,0
619194	160	1,6	2,5

## 462/1VDEDP

### Multifunctional diagonal cutting nippers



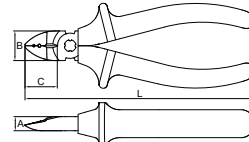
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard EN IEC 60900

#### Advantages:

- › Stripping off insulation of single conductors 1,5 mm<sup>2</sup> and 2,5mm<sup>2</sup>
- › handles are insulated with double layered - double coloured insulation for additional safety

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	A	C	
624061	160	21	10	22	224

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm <sup>2</sup> ØI	max 650 N/mm <sup>2</sup> ØI
624061	160	1,6	2,5

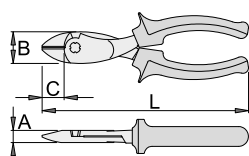


## 466/1VDEBI

### Heavy duty diagonal cutting nippers



- material: premium flex plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749 and EN IEC 60900



SKU	L	B	A	C	⚡
610428	180	28	11	20	316
611756	200	27	11	21	344

cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Ø f	max 650 N/mm² Ø f
610428	180	1,8	3,0
611756	200	2,0	3,5

## 466/1VDEDP

### Heavy duty diagonal cutting nippers



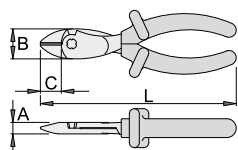
- material: premium flex plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 5749 and EN IEC 60900

#### Advantages:

- handles are insulated with double layered - double coloured insulation for additional safety

#### Important!

- if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	A	C	⚡
619195	180	28	11	20	303
619196	200	27	11	21	351

cutting capacity (10N=1kg)

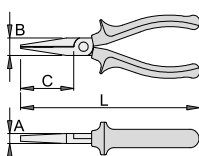
SKU	L	max 2150 N/mm² Ø f	max 650 N/mm² Ø f
619195	180	1,8	3,0
619196	200	2,0	3,5

## 472/1VDEBI

### Long flat nose pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745 and EN IEC 60900



SKU	L	B	C	A	⚡
610430	160	16	49	9	146

## 472/1VDEDP

### Long flat nose pliers



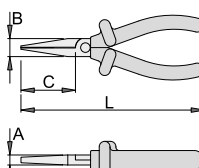
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

#### Advantages:

- handles are insulated with double layered - double coloured insulation for additional safety
- gripping surface serrated

#### Important!

- if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	C	A	⚡
619182	140	15	39	8	114
619183	160	16	49	9	153

## 476/1VDEBI

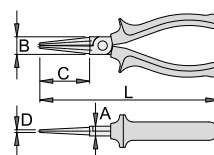
### Long round nose pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745 and EN IEC 60900

#### Advantages:

- long points enable reaching of wires in hard-to-reach places
- minor possibility of damaging wires



SKU	L	B	A	C	D	⚡
610431	140	15	9	39	2	116
610432	160	16	10	49	2.5	126

## 476/1VDEDP

### Long round nose pliers



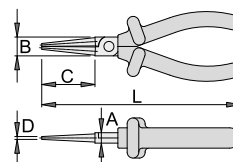
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

#### Advantages:

- handles are insulated with double layered - double coloured insulation for additional safety
- long points enable reaching of wires in hard-to-reach places
- minor possibility of damaging wires

#### Important!

- if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	A	C	D	⚡
619184	140	15	9	39	2	114
619185	160	16	10	49	2.5	139

## 506/1VDEBI

### Long nose pliers with side cutter



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5745 and EN IEC 60900

#### Advantages:

- › also for clenching and separating of from cables and other sensitive objects
- › gripping surface serrated

## 506/1VDEDP

### Long nose pliers with side cutter



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard ISO 5745 and EN IEC 60900

#### Advantages:

- › handles are insulated with double layered - double coloured insulation, which enables additional safety
- › also for clenching and separating of from cables and other sensitive objects
- › gripping surface serrated

#### Important!

- › if second layer is visible, replace your VDE tool with the new one.

## 508/1VDEBI

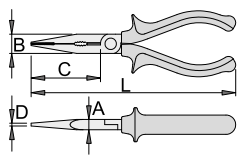
### Long nose pliers with side cutter and pipe grip, straight



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5745 and EN IEC 60900

#### Advantages:

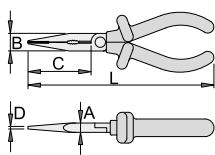
- › also for clenching and separating of from cables and other sensitive objects
- › gripping surface serrated



SKU	L	B	D	A	C	⚡
610434	140	15	2	8	39	115
610435	160	16	2.5	9	49	137

cutting capacity (10N=1kg)

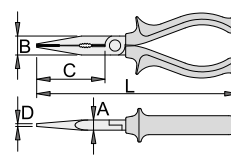
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
610434	140	1,6	2,0
610435	160	1,6	2,0



SKU	L	B	D	A	C	⚡
619187	140	15	8	8	39	125
619188	160	16	2.5	9	49	157

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
619187	140	1,6	2,0
619188	160	1,6	2,0



SKU	L	B	D	A	C	⚡
610436	170	17	2.5	9	61	156
610437	200	17	2.5	9	77	191

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
610436	170	1,6	3,0
610437	200	1,8	3,0





## 508/1VDEDP

Long nose pliers with side cutter and pipe grip, straight



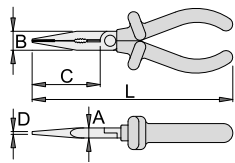
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

### Advantages:

- handles are insulated with double layered - double coloured insulation, which enables additional safety
- also for clenching and separating of from cables and other sensitive objects
- gripping surface serrated

### Important!

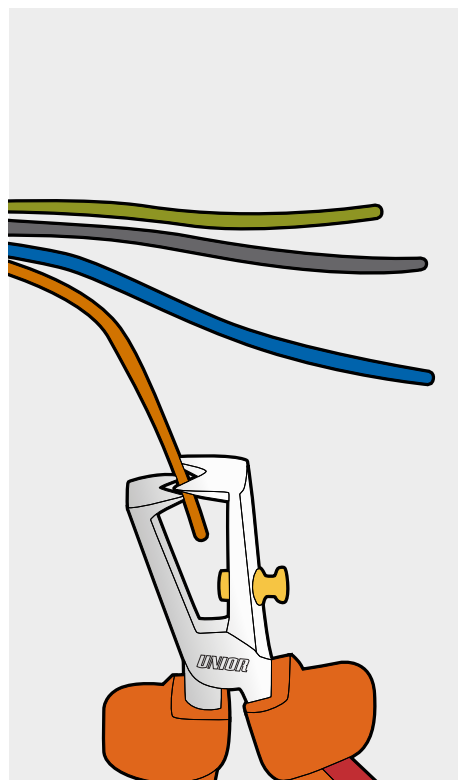
- if second layer is visible, replace your VDE tool with the new one.



SKU	L	B	D	A	C	⚡
619189	170	17	2.5	9	61	162
619190	200	17	2.5	9	77	201

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
619189	170	1,6	2,0
619190	200	1,8	2,5



## 512/1VDEBI

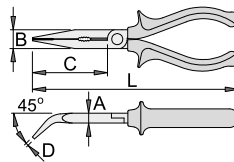
Long nose pliers with side cutter and pipe grip, bent



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745 and EN IEC 60900

### Advantages:

- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip
- jaws bent to an angle of 45°
- gripping surface serrated



SKU	L	B	D	A	C	⚡
610438	170	17	2.5	9	61	152
610439	200	17	2.5	9	77	204

cutting capacity (10N=1kg)

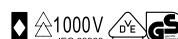
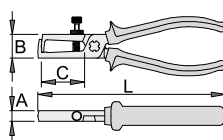
SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
610438	170	1,6	2,0
610439	200	1,8	2,5

## 478/1VDEBI

Wire stripping pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- stripping capacity: up to max 0.6 - 10mm²
- spring for reopening
- made according to standard EN IEC 60900



SKU	L	Ø I	B	A	C	⚡
610433	160	0.6 - 10	18	9	40	178

## 512/1VDEDP

Long nose pliers with side cutter and pipe grip, bent



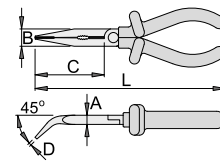
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

### Advantages:

- handles are insulated with double layered - double coloured insulation for additional safety
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip
- jaws bent to an angle of 45°
- gripping surface serrated

### Important!

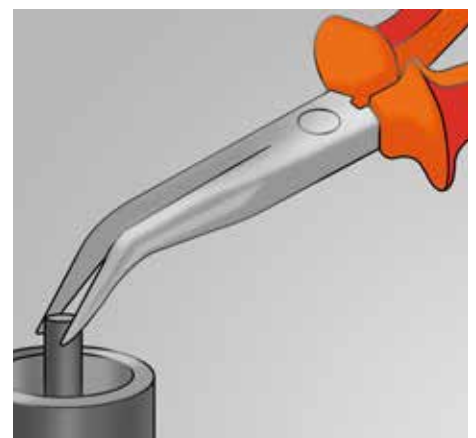
- if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	D	A	C	⚡
619191	170	17	2.5	9	61	156
619192	200	17	2.5	9	77	201

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
619191	170	1,6	2,0
619192	200	1,8	2,5



MADE  
FOR  
WORK.

## 478/1VDEDP

### Wire stripping pliers



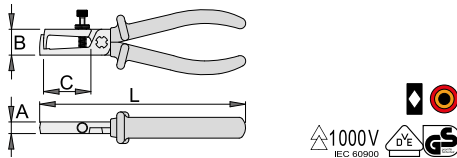
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › stripping capacity: up to max 0.6 - 10mm<sup>2</sup>
- › made according to standard EN IEC 60900

#### Advantages:

- › handles are insulated with double layered - double coloured insulation for additional safety
- › spring for reopening

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	L	⌀	B	A	C	🔒
619186	160	0.6 - 10	18	9	40	167

## 580/1VDEBI

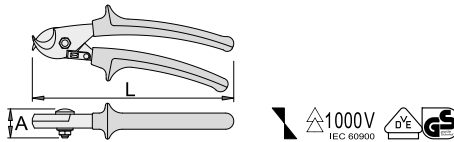
### Cable shears



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard EN IEC 60900

#### Important!

- › for cutting cables without steel wire



SKU	L	A	O <sub>2</sub> max	🔒
610440	170	18	10	339
610441	230	22	17	444



## 580/1VDEDP

### Cable shears



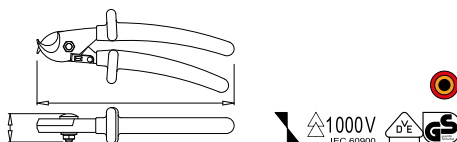
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated to standard ISO 1456:2009
- › made according to standard EN IEC 60900

#### Advantages:

- › handles are insulated with double layered - double coloured insulation for additional safety

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.
- › for cutting cables without steel wire



SKU	L	A	O <sub>2</sub> max	🔒
619197	170	18	10	226
619198	230	22	17	409

## 604VDETB1

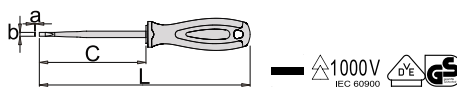
### SLIM electrician's screwdriver with insulated blade, VDE TB1



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018

#### Advantages:

- › model with slim blade
- › Although of the slim blade, screwdriver enables the same functionality and safety by working as usual insulated screwdriver.
- › slim blade enables work in hard to reach places.



SKU	axb	C	L	🔒
624063	0.6 x 3.5	100	185	37
624064	0.8 x 4.0	100	185	39
624065	1.0 x 5.5	125	225	74



## 611VDE TBI

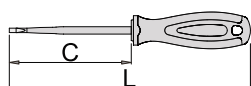
### Flat-crosstip (SL/PH) SLIM screwdriver with insulated blade, VDE TBI



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018

#### Advantages:

- › model with slim blade
- › Although of the slim blade, screwdriver enables the same functionality and safety by working as usual insulated screwdriver.
- › slim blade enables work in hard to reach places.



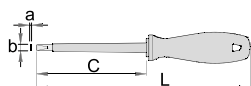
SKU	+	C	L	🔑
624071	SLPH 1	80	180	56
624072	SLPH 2	100	210	88

## 603VDE

### Electrician's screwdriver with insulated blade, VDE



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › handle: polypropylene
- › hanging hole
- › made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018



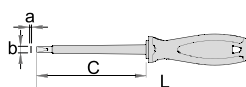
SKU	axb	C	L	🔑
616470	0.4 x 2.5	75	160	33
616471	0.5 x 3.0	100	185	37
616472	0.6 x 3.5	100	185	39
616473	0.8 x 4.0	100	185	43
616474	1.0 x 5.5	125	225	75
616475	1.2 x 6.5	150	260	113
616476	1.2 x 8.0	175	295	163
616477	1.6 x 10.0	200	320	115

## 603VDE TBI

### Electrician's screwdriver with insulated blade, VDE TBI



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018
- › made according to standard ISO 8764-1,2



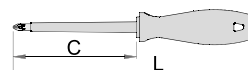
SKU	axb	C	L	🔑
616436	0.4 x 2.5	75	160	33
616437	0.5 x 3.0	100	185	37
616438	0.6 x 3.5	100	185	39
616439	0.8 x 4.0	100	185	43
621247	1.0 x 4.5	125	225	75
616440	1.0 x 5.5	125	225	75
616441	1.2 x 6.5	150	260	113
616442	1.2 x 8.0	175	295	163
621248	1.6 x 10.0	200	320	115

## 613VDE

### Crosstip (PH) screwdriver with insulated blade, VDE



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › handle: polypropylene
- › hanging hole
- › made according to standard ISO 8764-1,2 and EN IEC 60900



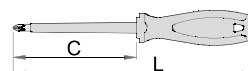
SKU	+	C	L	🔑
616478	PH0	60	145	34
616479	PH1	80	165	40
616480	PH2	100	200	94
616481	PH3	150	260	104

## 613VDE TBI

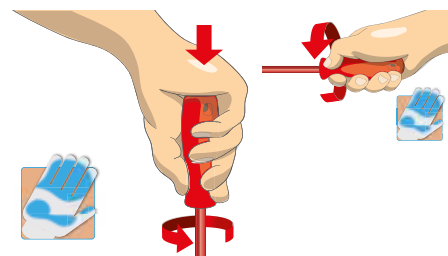
### Crosstip (PH) screwdriver with insulated blade, VDE TBI



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard ISO 8764-1,2 and EN IEC 60900



SKU	+	C	L	🔑
616443	PH0	60	145	34
616444	PH1	80	180	60
616445	PH2	100	210	94
616446	PH3	150	270	104
616447	PH4	200	320	230



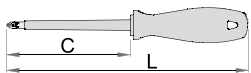


## 623VDE

**Double-crosstip (PZ) screwdriver with insulated blade, VDE**



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › handle: polypropylene
- › hanging hole
- › made according to standard ISO 8764-1,2 and EN IEC 60900



SKU	+	C	L	h
616482	PZ0	60	145	34
616483	PZ1	80	165	60
616484	PZ2	100	200	93
616485	PZ3	150	260	156

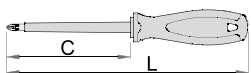


## 623VDE TBI

**Double-crosstip (PZ) screwdriver with insulated blade, VDE TBI**



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard ISO 8764-1,2 and EN IEC 60900



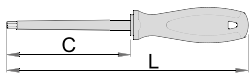
SKU	+	C	L	h
616460	PZ0	60	145	34
616461	PZ1	80	180	60
616462	PZ2	100	210	93
616463	PZ3	150	270	156

## 620VDE TBI

**Hex screwdriver with insulated blade VDE TBI**



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018



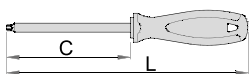
SKU	+	C	L	h
616448	2.5	75	160	34
616449	3	75	175	37
616450	4	75	175	68
616451	5	75	185	93
616452	6	100	210	128
616453	8	100	210	203

## 621VDE TBI

**Screwdriver with insulated blade VDE TBI with TX profile**



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018



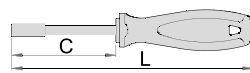
SKU	★	C	L	h
616454	TX 10	60	140	35
616455	TX 15	80	180	37
616456	TX 20	80	180	43
616457	TX 25	80	180	63
616458	TX 27	100	210	76
616459	TX 30	100	210	98

## 629VDE TBI

**Insulated socket wrench with VDE TBI handle**



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018
- › made according to standard DIN 3125



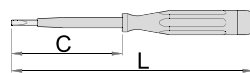
SKU	+	C	L	h
616464	5.5	125	225	103
616465	6	125	225	103
616466	7	125	235	123
616467	8	125	235	140
623341	9	125	235	124
616468	10	125	235	157
623342	11	125	235	159
616469	13	125	245	186
623445	14	125	245	166

## 630VDE

**Voltage tester 220 - 250 V**



- › dimension 140 with clip
- › made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018



SKU	axb	C	L	h
617659	0.5 x 3.0	60	140	13
617660	0.6 x 3.5	90	180	24



## 630VDE140ST

Set of voltage testers on carton display



### Set includes:

- 18x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

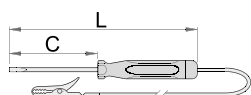
SKU	
623907	18

## 631

Car light tester 6 - 12/24 V



- Use only on proven automobile installations for voltages of up to 12V and up to 24V
- Use for other purposes or at different voltages may be life threatening.
- The product may not be used for verifying the grid voltage!



SKU	V <sup>1</sup>	axb	C	L	
601688	6 - 12	0.5 x 3.0	60	140	25
601689	6 - 24	0.6 x 3.5	90	180	25

## 631B

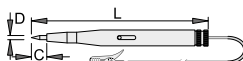
Car light tester 6 - 12/24 V



- Indispensable tool in every car workshop
- Safety cover for the tip of the tester, intended to prevent injuries to users
- Used for checking electrical installations in all 6 - 24 V systems in the car

### Usage:

- Connect the clip to any ground point.
- Pierce the wire insulation with the tip of the tester to find live wires
- Keep piercing the insulation along the wire until the tester stops being illuminated, which indicates that the wire is broken.
- Use for other purposes or at different voltages may be life threatening.
- The product may not be used for verifying the grid voltage!



SKU	V <sup>1</sup>	C	D	L	
619856	6 - 24	12	1.8	110	38

## 603CS6AVT

Set of screwdrivers VDE TBI



### Set includes:

- 4x VDETBI electrician's screwdriver with insulated blade (article 603VDETBI) dim. 0.4x2.5x75, 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125
- 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100



SKU	
617653	6

## 603CS6ATVD

Set of screwdrivers VDE with voltage tester



### Set includes:

- 3x electrician's screwdriver with insulated blade VDE (article 603VDE) VDE dim. 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125
- 2x crosstip (PH) screwdriver with insulated blade VDE (article 613VDETBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140



SKU	
617656	6

## 603CS6ATVT

Set of screwdrivers VDE TBI with voltage tester



### Set includes:

- 3x electrician's screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125
- 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140



SKU	
617654	6

## 603CS6AVDE

Set of screwdrivers VDE



### Set includes:

- 4x electrician's screwdriver with insulated blade VDE (article 603VDE) VDE dim. 0.4x2.5x75, 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125
- 2x crosstip (PH) screwdriver with insulated blade VDE (article 613VDETBI) dim. PH 1x80, PH 2x100



SKU	
617655	6

## 603CS6TVDE

### Set of screwdrivers VDE with voltage tester



#### Set includes:

- 4x electrician's screwdriver with insulated blade VDE (article 603VDE) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x crosstip (PH) screwdriver with insulated blade VDE (article 613VDE) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140



SKU	
617045	6

## 603CS6VDE TBI

### Set of screwdrivers VDE TBI



#### Set includes:

- 4x VDE TBI electrician's screwdriver with insulated blade (article 603VDE TBI) dim. 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x VDE TBI crosstip (PH) screwdriver with insulated blade (article 613VDE TBI) dim. PH 1x80, PH 2x100



SKU	
617042	6

## 629CS6VDE TBI

### Set of insulated socket wrenches with VDE TBI handle



#### Set includes:

- 6x insulated socket wrench with VDE TBI handle (article 629VDE TBI) dim. 5.5, 6, 7, 8, 10, 13



SKU		
617050	5.5 - 13	6

## 603CS6TVDE TBI

### Set of screwdrivers VDE TBI with voltage tester



#### Set includes:

- 3x VDE TBI electrician's screwdriver with insulated blade (article 603VDE TBI) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x VDE TBI crosstip (PH) screwdriver with insulated blade (article 613VDE TBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140



SKU	
617043	6

## 620CS6VDE TBI

### Set of insulated hex screwdrivers VDE TBI



#### Set includes:

- 6x hex screwdriver with insulated blade VDE TBI (article 620VDE TBI) dim. 2.5, 3, 4, 5, 6, 8



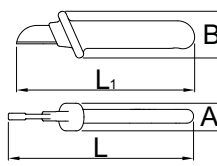
SKU		
617048	2.5 - 8	6

## 385AVDEDP

### Insulated knife



- blade from high alloy steel
- double layered - double coloured insulation for additional safety
- with blade guard



SKU	L	
619101	180	145

## 603CS6VDE

### Set of screwdrivers VDE



#### Set includes:

- 4x electrician's screwdriver with insulated blade VDE (article 603VDE) dim. 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x crosstip (PH) screwdriver with insulated blade VDE (article 613VDE) dim. PH 1x80, PH 2x100



SKU	
617044	6

## 621CS6VDE TBI

### Set of insulated screwdrivers VDE TBI with TX profile



#### Set includes:

- 6x screwdriver with insulated blade VDE TBI with TX profile (article 621VDE TBI) dim. TX10, TX15, TX20, TX25, TX27, TX30



SKU		
617049	TX 10 - TX 30	6





## 385CVDEDP

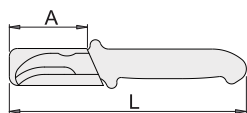
### Insulated knife



- › blade from high alloy steel
- › double layered - double coloured insulation for additional safety
- › surface finish: phosphated to standard ISO 9717
- › with blade guard
- › blade hardened at min. 55 HRC
- › rounded blade, 60mm long
- › ergonomic handle, with slip guard
- › handle with finger hook for good transmission of force
- › Material of steel blade provides maximum sharpness and durability by dismantling of cables
- › blade protected with PVC protection

#### Usage:

- › for dismantling PVC cable insulation



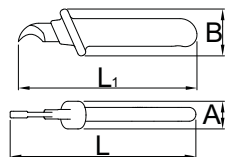
SKU	L	A	
625610	220	60	180

## 385VDEDP

### Insulated knife



- › blade from high alloy steel
- › double layered - double coloured insulation for additional safety
- › with blade guard



SKU	L	
615494	180	105

## 750VDP

### Insulated saw



- › made according to standard DIN EN IEC 60900

#### Advantages:

- › double layered - double coloured insulation, for additional safety

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	L	L1	
619098	460	270	815

## 753VDP

### Insulated saw



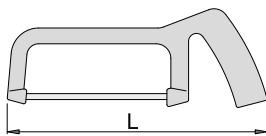
- › replaceable blade
- › made according to standard DIN EN IEC 60900

#### Advantages:

- › double layered - double coloured insulation, for additional safety

#### Important!

- › if second layer is visible, replace your insulated tool with a new one.



SKU	L	
615502	150	320

## 1340VDP

### Straight tweezers



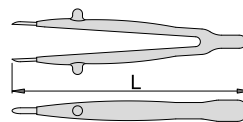
- › material: stainless steel
- › made according to standard DIN EN IEC 60900

#### Advantages:

- › double layered - double coloured insulation enable additional safety
- › controlled according to standard EN IEC 60900

#### Important!

- › if second layer is visible, replace your VDE tool with the new one.



SKU	L	
616847	165	45

## 1341VDP

### Bent tweezers



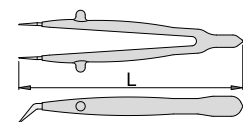
- › material: stainless steel
- › made according to standard DIN EN IEC 60900

#### Advantages:

- › double layered - double coloured insulation enable additional safety
- › controlled with electrical test

#### Important!

- › if second layer is visible, replace your VDE tool with the new one.



SKU	L	
616848	150	40

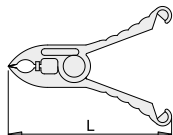


## 1351V

### Plastic clamp



► plastic material



1000V  
IEC 60900

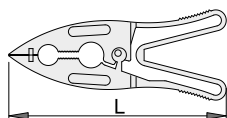
SKU	L	
619099	160	77

## 1352V

### Plastic clamp



► plastic material



1000V  
IEC 60900

SKU	L	
619100	140	54

## 906VDEBI

### Tool set VDE BI in bag.



#### Set includes:

- 1x combination pliers (article 406/1VDEBI) dim. 180
- 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
- 2x electrician's screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.4x2.5x75, 0.8x4.0x100
- 1x crosstip (PH) screwdriver with insulated blade VDETBI (article 613VDETBI) dim. PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

1000V  
IEC 60900

SKU	
617573	6

## 964VDE2

### Set of insulated offset ring wrenches in SOS tool tray



- Tool tray dimension: 374 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 11x insulated single offset ring wrench (article 180/2VDEDP) dim. 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24



SKU		
621784	10 - 24	11

## 905VDEBI

### Tool set VDE BI in bag



#### Set includes:

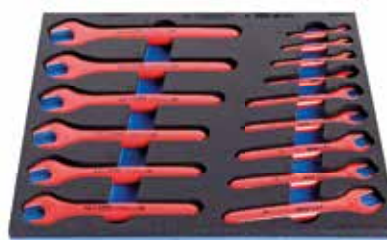
- 1x combination pliers (article 406/1VDEBI) dim. 180
- 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
- 1x wire stripping pliers (article 478/1VDEBI) dim. 160
- 1x long flat nose pliers (article 472/1VDEBI) dim. 160
- 3x electrician's screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125
- 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140
- 1x measuring tape (article 710P) dim. 3m
- 1x insulated saw (article 753VDP) dim. 150
- 1x insulated knife (article 385VDEDP) dim. 180

1000V  
IEC 60900

SKU	
617571	13

## 964VDE1

### Set of insulated open end wrenches in SOS tool tray



- Tool tray dimension: 374 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 15x insulated single open end wrench (article 110/2VDEDP) dim. 6, 7, 8, 10, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24



SKU		
621782	6 - 24	15

## 964VDE3

### Set of insulated pliers in SOS tool tray



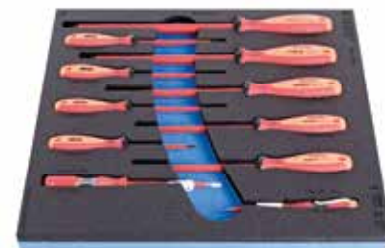
- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 1x combination pliers (article 406/1VDEDP) dim. 180
- 1x linemen's pliers (article 420/1VDEDP) dim. 180
- 1x waterpump box joint pliers (article 447/1VDEDP) dim. 240
- 1x diagonal cutting nippers (article 461/1VDEDP) dim. 160
- 1x heavy duty diagonal cutting nippers (article 466/1VDEDP) dim. 180
- 1x long flat nose pliers (article 472/1VDEDP) dim. 160
- 1x long round nose pliers (article 476/1VDEDP) dim. 160
- 1x wire stripping pliers (article 478/1VDEDP) dim. 160
- 1x long nose pliers with side cutter (article 506/1VDEDP) dim. 160
- 1x straight long nose pliers with side cutter and pipe grip (article 508/1VDEDP) dim. 170
- 1x long nose pliers with side cutter and pipe grip, bent (article 512/1VDEDP) dim. 170
- 1x cable shears (article 580/1VDEDP) dim. 170

## 964VDE8A

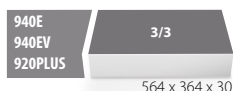
### Set of insulated flat screwdriver VDETBI in SOS tool tray



- Tool tray dimension: 374 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 9x VDETBI electrician's screwdriver with insulated blade (article 603VDETBI) dim. 0.4x2.5x75, 0.5x3.0x100, 0.6x3.5x100, 0.8x4.0x100, 1.0x4.5x125, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175, 1.6x10.0x200
- 2x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140, 0.6x3.5x180

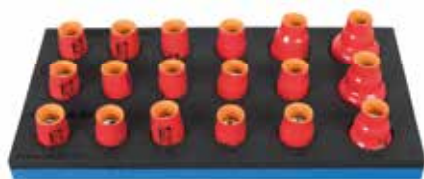


SKU	↓
621786	12

SKU	↓
621800	11

## 964VDE5

### Set of insulated socket wrenches 1/2" in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 18x insulated socket 1/2", 6 point (article 190/2VDEDP) dim. 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32

## 964VDE7

### Set of insulated hexagon wrenches SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 7x insulated hex wrench (article 220/3LVDEDP) dim. 3, 4, 5, 6, 8, 10, 12

## 964VDE8B

### Set of insulated crosstip screwdriver VDETBI in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 4x crosstip (PH) screwdriver with insulated blade, VDE TBI (article 613VDETBI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
- 4x double-crosstip (PZ) screwdriver with insulated blade, VDE TBI (article 623VDETBI) dim. PZ 0x60, PZ 1x80, PZ 2x100, PZ 3x150



SKU	↓
621790	18

SKU	↓
621789	7

SKU	↓
621802	8





# SHEARS

## **Durability, durability, durability ...**

One of the key qualities that characterises Unior snips, cutters and shears is their durability. As these tools are mainly used on construction sites, their practicality and continuous innovation are crucial to enable them to get the job done quickly and to effectively address potential problems on site. This is why this tool has a 10 times longer service life compared to other tools.



» **PRECISE CUTTING** – where the Unior cutters ensure reliable and accurate cutting of sheet metal, rebar, wires, cables and PVC pipes.

» **LESS EFFORT AT WORK** – the cutters allow for easy cutting of the prescribed dimensions of sheet metal, iron and wire, because they have precisely calculated power transfer from the handles, through the joints, to the blades.

» **INSERTED BLADES** – thus providing greater strength and cutting capabilities, and a less required strength when squeezing the handles.



**WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.**

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

TIN SNIPS	144 - 145
ELECTRICIAN'S SCISSORS	146 - 147
PVC PIPE CUTTERS	146
CABLE SHEARS	146
BOLT CUTTERS	148 - 150
PRUNING SHEARS	151

**Premium** Hard +

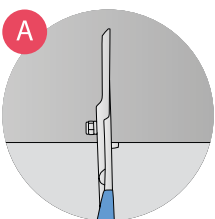
## Premium Hard Plus carbon steel

### Effortless cutting

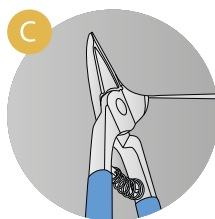
In addition to carbon, manganese, silicon and chrome, this special carbon steel also contains vanadium, which considerably improves the pinching characteristics of the tool by increasing its carbide hardness. Pincers made from this steel prove their excellent efficiency, even when used on the hardest of wires. The high carbon content results in both a higher tensile strength of the material and in increased durability. Improvements made subsequent to the inductive forging process lead to extraordinarily high jaw hardness.

### Special carbon steel, in accordance with EU Directive 2000/53/EC and the EN 10058 standards

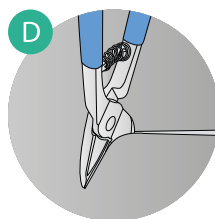
- › 0,80% carbon for higher tensile strength and durability
- › 0,70% manganese for higher tensile strength and ductility
- › 0.30% silicon for higher elasticity
- › 0,25% chrome for higher tensile strength and lower susceptibility to cracking



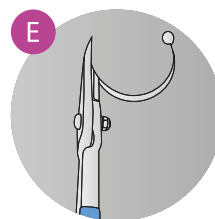
For long, straight continuous cuts.



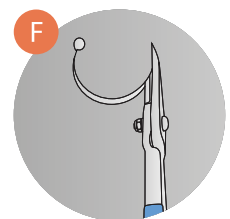
For straight continuous and shaped cuts.



For straight continuous and shaped cuts.



For short, straight and shaped cuts.



For short, straight and shaped cuts.



# A special procedure for the manufacture of shears

## Jaws

**1. Cutting:** Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

**2. Forging:** Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy and dynamic loads.

**3. Trimming:** Superfluous material around a forged part is removed using a special-purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

**4. CNC machining:** A jaw is treated in a single clamping device on a CNC machine, thus ensuring manufacture within the necessary tolerance margins of size and positioning.

**5. Heat treatment (quenching and tempering):** The heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

## Joints

**6. Forging part:** The forging part is made by drop forging - cutting, forging, trimming and calibrating.

**7. CNC working:** The entire working of the jaw is done using CNC machines. Clamping devices on the machines provide the accuracy required for the quality operation of the cutters.

## Handle-joint assembly

**8. Mounting the handle onto the joint and pressing:** The handle is firmly mounted onto the joint. The handle is then pressed onto the joint, which ensures that the mounted handle does not come loose under even the greatest strain.

**9. Bending the handle:** The handle is bent to the required functional angle with a special bending device, which provides the user with ergonomic applicability.

**10. Coating:** A protective colour is applied using powder coating technology, which gives the product a professional appearance and also serves as surface protection.

**11. Mounting the sleeve:** A PVC sleeve is mounted on the handle that gives a user a good and ergonomic grip.

**12. Manufacturing screws and nuts:** Is done using CNC machines, which, besides quality material and heat treatment, ensures the optimum bonds between the individual elements of the cutter.

**13. Assembly:** The trained, skilled and meticulous workers performing the final assembly put together the individual parts, examine the main characteristics and turn the Unior cutter into a high quality product.

## 563R-PLUS/7DP

### Universal tin snips



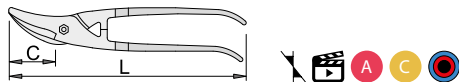
- › material: premium hard chrome vanadium steel
- › drop forged
- › blades induction hardened
- › double plastic dipped handles

#### Advantages:

- › 10 times greater durability
- › inserted HSS blade hardness 64 HRC
- › extremely stronger inserted blade
- › faster and more comfortable use
- › wide range of use
- › ergonomically designed handles for faster and easier use
- › Inserted blade for longer working life.

#### Usage:

- › for cutting sanded sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



SKU	L	C	
615039	280	47	582

## 592R-PLUS/7DP

### Tin snips "pelican" type



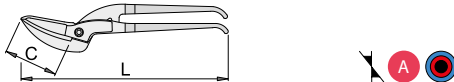
- › material: premium hard chrome vanadium steel
- › drop forged
- › blades induction hardened
- › double plastic dipped handles
- › surface finish: lacquered

#### Advantages:

- › 10 times greater durability
- › inserted HSS blade hardness 64 HRC
- › extremely stronger inserted blade
- › faster and more comfortable use
- › wide range of use
- › ergonomically designed handles for faster and easier use
- › Inserted blade for longer working life.

#### Usage:

- › for cutting sanded sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



SKU	L	C	
613196	350	65	880

## 563L/7PR

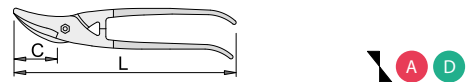
### Universal tin snips



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › blade induction hardened
- › protection against corrosion
- › handles plastic dipped

#### Usage:

- › for cutting sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



SKU	L	C	
615038	280	47	567

## 563L-PLUS/7DP

### Universal tin snips



- › material: premium hard chrome vanadium steel
- › drop forged
- › double plastic dipped handles
- › blades induction hardened

#### Advantages:

- › 10 times greater durability
- › inserted HSS blade hardness 64 HRC
- › extremely stronger inserted blade
- › faster and more comfortable use
- › wide range of use
- › ergonomically designed handles for faster and easier use
- › Inserted blade for longer working life.

#### Usage:

- › for cutting sanded sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



SKU	L	C	
615040	280	47	577

## 563R/7PR

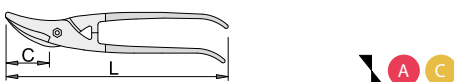
### Universal tin snips



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › blade induction hardened
- › protection against corrosion
- › handles plastic dipped

#### Usage:

- › for cutting sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



SKU	L	C	
615037	280	47	567

## 572L/7PR

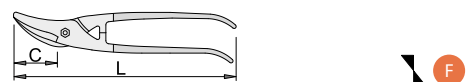
### Shape tin snips



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › blade induction hardened
- › protection against corrosion
- › handles plastic dipped

#### Usage:

- › for cutting sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



SKU	L	C	
615042	280	48	502

## 592R/7PR

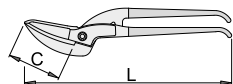
### Tin snips "pelican" type



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › blade induction hardened
- › protection against corrosion
- › handles plastic dipped

#### Usage:

- › for cutting sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



SKU	L	C	
615035	350	65	880

## 568R/7P

### Tin snips "ideal" type



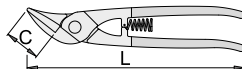
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › blade induction hardened
- › head surface finish: finely ground
- › protection against corrosion
- › handles plastic dipped

#### Advantages:

- › spring for reopening

#### Usage:

- › for cutting sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



SKU	L	C	
609336	250	30	532

## 569R/7P

### Tin snips "berliner" type



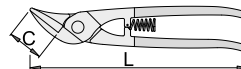
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › blade induction hardened
- › head surface finish: finely ground
- › protection against corrosion
- › handles plastic dipped

#### Advantages:

- › spring for reopening

#### Usage:

- › for cutting sheet metal by 400N/mm<sup>2</sup> thickness up to 1,25mm



SKU	L	C	
609334	250	55	452

## 567R/7P

### Tin snips "pelican" type



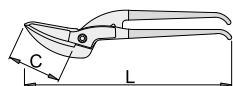
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › blade induction hardened
- › head surface finish: finely ground
- › protection against corrosion
- › handles plastic dipped

#### Advantages:

- › spring for reopening

#### Usage:

- › for cutting sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



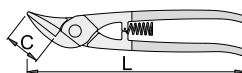
SKU	L	C	
609335	290	56	672

## 568L/7P

### Tin snips "ideal" type



- › material: premium plus carbon steel
- › drop forged
- › blade induction hardened
- › drop forged, entirely hardened and tempered
- › head surface finish: finely ground
- › protection against corrosion
- › handles plastic dipped
- › spring for reopening
- › for cutting sheet metal by 400N/mm<sup>2</sup> thickness up to 1,5mm



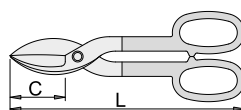
SKU	L	C	
610945	250	30	532

## 573/7P

### Tin snips straight



- › material: premium plus carbon steel
- › drop forged
- › blade induction hardened
- › handles plastic dipped



SKU	L	C	
615158	175	40	265
615159	200	40	318
615160	250	51	497
615161	300	70	627
615162	350	76	802

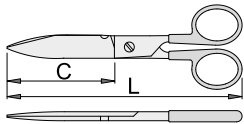


## 582/3P

### Electricians' scissors



- › material: premium flex plus carbon steel
- › drop forged
- › cutting edges induction hardened
- › surface finish: nickel plated
- › handles plastic dipped



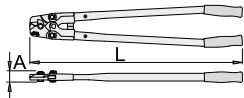
SKU	L	C	
601127	145	52	81

## 585/6P

### Wire rope shears



- › material: premium plus carbon steel
- › jaws exchangeable
- › cutting edges separately induction hardened
- › steel handles, lacquered, heavy duty plastic handles



SKU	L	A	O <sub>max</sub>	
617672	760	36	8	3475

## 585.1/7P

### Spare jaw for 585/6P



SKU		
618622	765	643

## 583/6

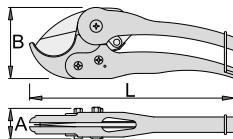
### PVC pipe cutter



- › material: blade from premium plus carbon steel
- Advantages:**
- › step cutting mechanism
  - › right angle cuts are assured

#### Usage:

- › intended for cutting PVC pipes (dim. 195 up to 1" and dim. 210 up to 1, 5" of thickness)



SKU	L		
605418	195	1	295
609405	210	1.5	385

## 583.1/7A

### Spare cutter for 583/6



SKU		L	
605419	1	195	64

## 583.1/7B

### Spare cutter for 583/6



SKU		L	
609406	1.5"	210	67

## 585.1/7

### Spare jaw for 585/6



SKU		
618620	550	354
618621	800	810

## 580/1BI

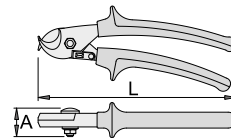
### Cable shears



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › surface finish: chrome plated according to ISO 1456:2009
- › head polished
- › heavy duty double - component handles
- › jet stamp UNIOR

#### Important!

- › for cutting cables without steel wire



SKU	L	A	Øi	
609238	170	22	10	339
609239	230	22	17	444



## 585/6

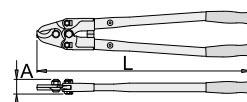
### Cable shears



- › material: cutter from premium plus carbon steel
- › steel handles, lacquered, heavy duty plastic handles
- › cutting edges separately induction hardened
- › jaws exchangeable

#### Important!

- › for cutting cables without steel wire or inside steel coat



SKU	L	A	O <sub>max</sub>	
615226	550	38	23	2080
616732	800	42	39	3660

## Threaded rod cutter



- › made from special forged tool steel, fitted with exchangeable jaws that smoothly cut even the toughest threaded rods up to class 8,8
- › drop forged, entirely hardened and tempered
- › the cutter jaws are extra hardened and tempered for enhanced durability
- › the tool handles are made of powder coated steel tubes and fitted with plastic sleeves for a comfortable grip

### Advantages:

- › capable to cut threaded rods of three different dimensions
- › clean cutting – no burring on the threaded rod
- › Preservation of the thread of the threaded rod
- › protected against corrosion
- › easy to operate with and comfortable handling
- › precise and fast cutting of threaded rods
- › the lever handle has suitable length to allow quick and uniform cutting, therefore less force is needed to cut the threaded rods
- › proper opening of the cutter
- › to operate correctly, the cutter should be opened by raising the top lever handle to its maximum extent. When it is fully open, insert the threaded rod into the cutter opening of the corresponding dimension

### Cutting threaded rods

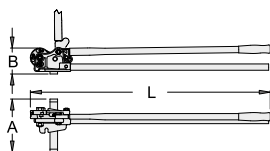
1. Insert the threaded rod into the opening of the corresponding dimension.
2. The threaded rod should fit tightly into the cutter thread.

### Important notes when cutting

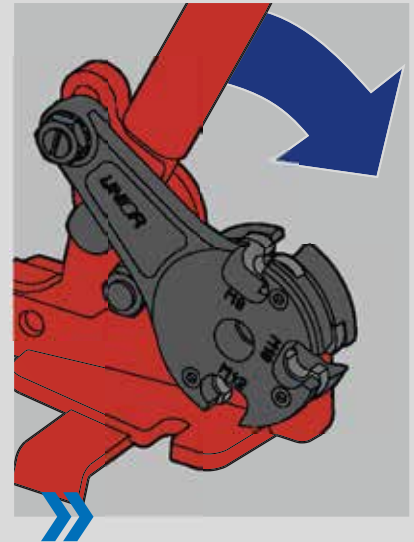
1. When operating on the floor, apply foot pressure on the bracket.
  2. The cutter (code 620256) is designed to cut only M8, M10, M12 threaded rods, code 621479 cut M6, M8, M10.
  3. The cutter is not designed to cut hardened threaded rods or bolts.
  4. When the cutters are worn out, always replace both cutter jaws.
- › possibility of replacement of damaged cutter jaws
  - › material: premium plus carbon steel
  - › cutting of M8, M10, M12 threaded rods (code 620256), M6, M8, M10 (code 621479)
  - › clean cut, free of burrs
  - › preservation of threads
  - › simple operation

### Caution!

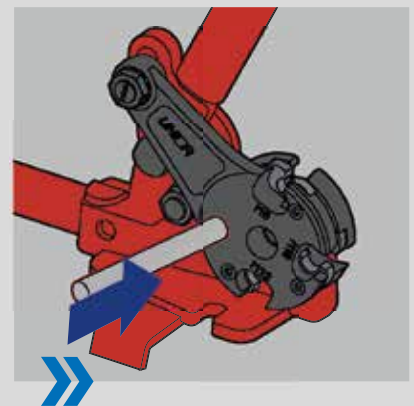
- › prior to operation, read the instructions
- › when operating, always use appropriate protective equipment



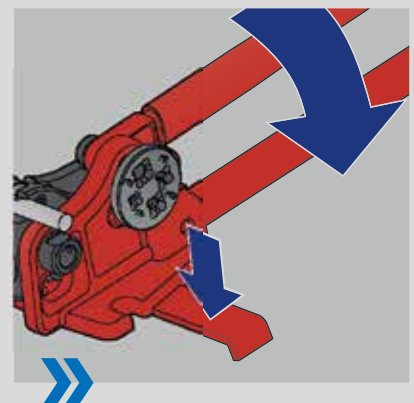
SKU				L	B	A	
621479	M 6	M 8	M 10	945	95	210	5100
620256	M 8	M 10	M 12	945	95	210	5750



To operate correctly, the cutter should be opened by raising the top lever handle to its maximum extent. When it is fully open, insert the threaded rod into the cutter opening of the corresponding dimension.



1. Insert the threaded rod into the opening of the corresponding dimension.
2. The threaded rod should fit tightly into the cutter thread.



Important notes when cutting! When operating on the floor, apply foot pressure on the bracket.

## 586.1/7

### Cutter for 586/6



SKU		
621480	M6	31
620653	M8	32
620654	M10	36
620655	M12	38

## 586.2/4

### Screw set 6 pieces for 586.1/7



SKU	
622705	18

## 586.3/7

### Thread corrector for 586/6



SKU	
623121	112

## 596.1PLUS/7

### Spare jaw for 596PLUS/6G



› jaw + 2 screws + 2 nuts

SKU		
615258	750	1468
615259	900	1956

## 596PLUS/6G

### Bolt cutters with interchangeable triangular cutting edges



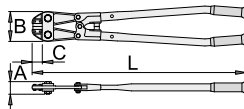
- › material: premium hard chrome vanadium steel
- › jaws exchangeable and adjustable in three position, entirely hardened and tempered
- › steel handles, lacquered, heavy duty plastic handles

#### Advantages:

- › extreme strength and minimum weight
- › outstanding resistance to the maximum forces generated during cutting
- › complete anti-corrosion resistance
- › straightforward guidance and proper handling
- › shock absorber for the prevention of injuries
- › triangular blade - threefold longer service life
- › the procedure for adjusting the jaw cutting edges

#### How to adjust the cutting edges?

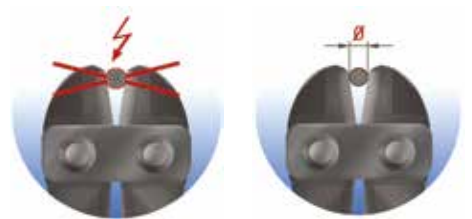
- › Release the safety nut.
- › Take the screw out of the groove and turn it until there is no spacing between the cutting edges
- › Secure the safety nut.



SKU	L	A	B	C	
615256	750	43	96	46	4060
615257	900	47	109	50	6300

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
615256	750	8	13
615257	900	9	16





## 596.2PLUS/7

### Spare cutting edges for 596PLUS/6G



- › spare part includes: 2 cutting edges, 4 plates for cutting edges, 4 screws, 4 nuts

SKU		
615260	750	116
615261	900	126

## 596.3PLUS/7

### Spare cutting edge for 596PLUS/6G



- › spare part includes 1 cutting edge

SKU		
616521	750	22
616522	900	28



## 596/6A

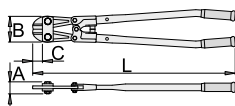
### Bolt cutter



- › material: cutters from premium plus carbon steel
- › cutting edges separately induction hardened
- › steel handles, lacquered, heavy duty plastic handles

#### Advantages:

- › shock-absorbers on the joints absorb shocks on the handles, which happen when cutting reinforcing rod
- › protection of the eccentric screws for adjustment of blades with forged recesses ensures 100% protection against unscrewing



SKU	L	A	B	C	
610963	300	26	40	16	737
610964	350	26	55	24	805
610965	450	34	70	36	1500
610966	600	38	84	40	2600
610967	750	43	96	46	3950
610968	900	47	109	50	6300
612984	1050	48	120	46	6900

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610963	300	3	5
610964	350	3,5	5
610965	450	5	8
610966	600	7	10
610967	750	8	13
610968	900	9	16
612984	1050	10	19



## 596.1/7A

### Spare parts for 596/6A

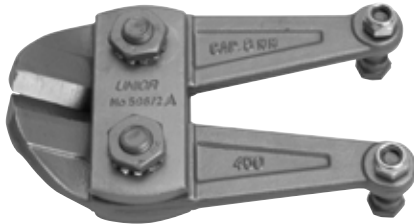


› jaw + 2 screws + 2 nuts

SKU	↔	📦
610969	300	265
610970	350	265
610971	450	547
610972	600	877
610973	750	1391
610974	900	1887
613078	1050	2144

## 596.1/7B

### Spare parts for 596/6B



› jaw + 2 screws + 2 nuts

SKU	↔	📦
610977	450	542
610978	600	858

## 598.1/7

### Spare parts for 598/6

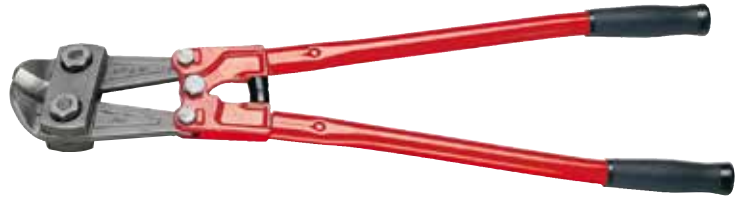


› jaw + 2 screws + 2 nuts

SKU	↔	📦
607968	600 - 1000	931

## 596/6B

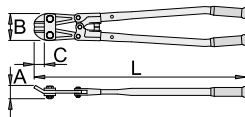
### Bolt cutter



- › material: cutter from premium plus carbon steel
- › cutting edges separately induction hardened
- › steel handles, lacquered, heavy duty plastic handles

#### Advantages:

- › shock-absorbers on the joints absorb shocks on the handles, which happen when cutting reinforcing rod
- › protection of the eccentric screws for adjustment of blades with forged recesses ensures 100% protection against unscrewing



SKU	L	A	B	C	📦
610975	450	34	70	29	1500
610976	600	36	84	32	2600

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² ØI	max 650 N/mm² ØI
610975	450	5	8
610976	600	7	10

## 598/6

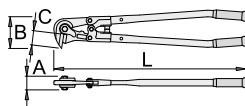
### Bolt cutter



- › material: cutter from premium plus carbon steel
- › jaws exchangeable and adjustable
- › cutting edges separately induction hardened
- › steel handles, lacquered, heavy duty plastic handles

#### Advantages:

- › shock-absorbers on the joints absorb shocks on the handles, which happen when cutting reinforcing rod



SKU	L	A	B	C	📦
608442	1000	46	100	43	4130

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² ØI	max 650 N/mm² ØI
608442	1000	11	13



## 555/6

### Tree pruner



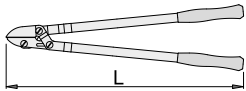
- › material: blade from premium plus carbon steel
- › aluminium bottom jaw, steel handles
- › jaws entirely hardened and tempered
- › blade induction hardened, sharply ground, coated with PTFE
- › lacquered handles with heavy duty handles

#### Advantages:

- › cutting capacity up to R 40 mm
- › double joint performance

#### Usage:

- › for trimming branches



SKU	L	
603522	750	1895

## 550.2/9

### Spare blade for 550/3PR



SKU	
601592	28

## 555.1/9

### Spare blade for art. 555/6



SKU	
605214	225

## 550/3PR

### Anvil pruner



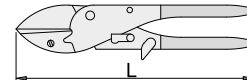
- › material: blade from premium plus carbon steel
- › aluminium moveable jaw
- › cutting parts entirely hardened and tempered
- › blade coated with PTFE
- › surface finish: nickel plated
- › handles plastic dipped

#### Advantages:

- › lock to prevent accidental opening
- › anti-slip guard

#### Usage:

- › use for general garden cutting



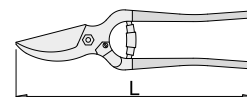
SKU	L	
601590	200	287

## 542/4PR

### Pruning shears



- › material: premium plus carbon steel
- › drop forged
- › cutting edges induction hardened
- › surface finish: phosphated to standard ISO 9717
- › handles plastic dipped



SKU	L	
601578	220	310







# SCREWDRIVERS

## A traditional symbol of hand tools!

Screwdrivers are still the perfect symbol of hand tools and their varied use. With them, we can perform difficult work and servicing of larger devices to extremely small ones, like mobile phones. It is certainly the oldest representation of a hand tool and the grandfather of all other tools. This is precisely why screwdrivers have a special place among all hand tools. In view of progress, both in the field of sustainability and the increasing need for electrification, screwdrivers also need constant development and innovation. In this way, new profiles that are used today are additionally included. Nevertheless, its basic form remains the same.



» **THE INNOVATIVE AND PATENTED THREE-COMPONENT HANDLE** ensures exceptional screwdriving performance with the best grip.

» **DURABLE TIPS** – as the tips of the screwdrivers are additionally inductively tempered and protected to ensure an accurate fit to the profile of the screw heads and to prevent slipping and wear of the tip when screwdriving.

» **A HOLE IN THE HANDLE** – is designed for hanging on various hooks.



**WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.**

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

SCREWDRIVERS FLAT	156 - 157
SCREWDRIVERS CROSSTIP	158 - 161
SCREWDRIVERS WITH TX PROFILE	162 - 163
SCREWDRIVERS - SQUARE AND SOCKET	163 - 164
OTHER ACCESSORIES	165
BITS	166 - 169
IMPACT SCREWDRIVERS	169



**Premium<sup>Hard</sup>**

### **Premium Hard chrome vanadium steel - long lasting durability!**

Hand tools, such as screwdrivers, where the reliability, safety and longevity of use depend on the elasticity and at the same time on the hardness of the stems, are made of special alloyed tool steel. This, with a higher content of selected elements, enables greater durability. In the Premium Hard tool steel, chrome vanadium steel with a molybdenum content enables, in addition to greater durability, greater tensile strength and toughness, while the increased silicon content increases elasticity and reduces susceptibility to cracks. Adequate hardness and wear resistance are achieved with an appropriate carbon content.

### **Special alloy tool steel 73MoV52, compliant with EuroDirective 2000/53/EC:**

- › 0.60% molybdenum for greater tensile strength and toughness
- › 1.15% silicon for greater elasticity and reduced susceptibility to cracking
- › 0.70% carbon for adequate tool hardness and wear resistance

### **TBI handles for screwdrivers are composed of three layers, namely:**

**1. layer:** Black PP (polypropylene) which surrounds the stem of the screwdriver and is extremely solid, preventing the turning of the screwdriver stem in the handle at high torque

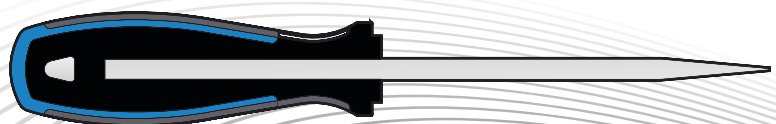
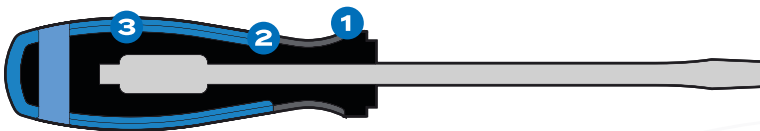
**2. layer:** Blue PP (polypropylene) which surrounds the 1st layer of the handle is very stiff and ensures the constant shape of the handle under various environmental effects

**3. layer:** Grey TPE (thermoplastic elastomer) which partially surrounds the 2nd layer of the handle is a medium-strength material that gives the handle its final ergonomic shape, ensures a pleasant and non-slipping grip and thereby the achievement of high torques

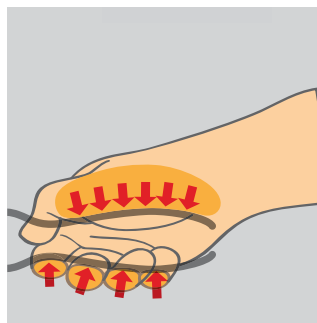
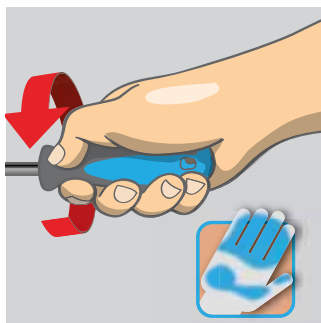
Able to fit a variety of screw profiles and exhibiting innovative three-component handles, UNIOR screwdrivers ensure great efficiency and a slip-proof grip.

Unior screwdrivers are made of premium hard chrome vanadium steel. The surface is additionally protected with quality nickel and/or chrome plating. The superior quality of materials used for Unior screwdrivers is complemented by well-thought ergonomically designed handles to provide the best possible grip.

With its combination of soft and hard surfaces, the special, three-component handle – a Unior patent – ensures comfort and efficient performance with minimum strain on the wrist while working. The soft material ensures maximum gripe even when oily.

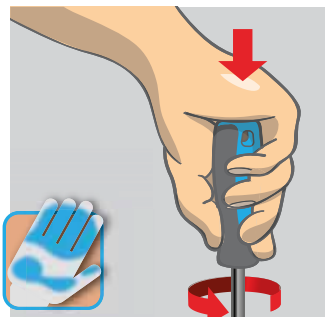




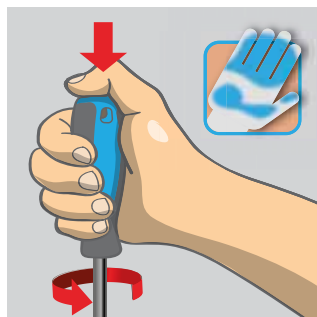


## Ergonomic handle!

The combination of hard and soft surface improves the load factor and ensures smooth screwing. The handle was developed in such a way that it takes care of the user's health because it reduces the tension of the hand muscle.

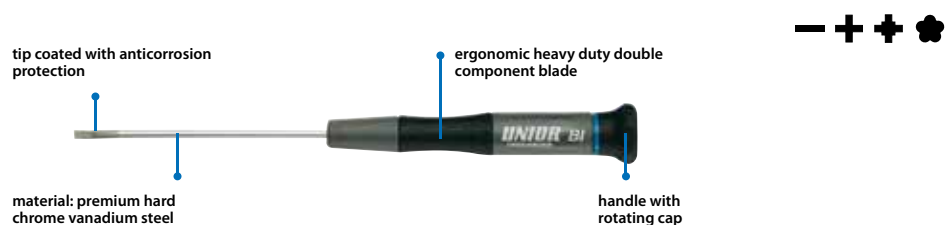
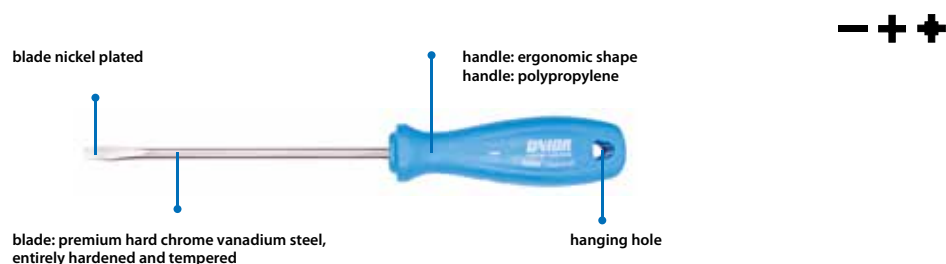
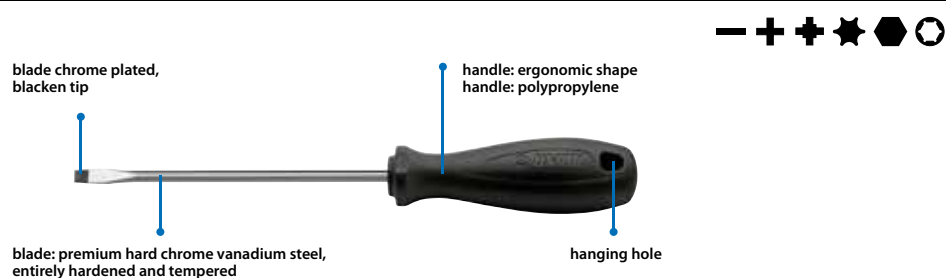
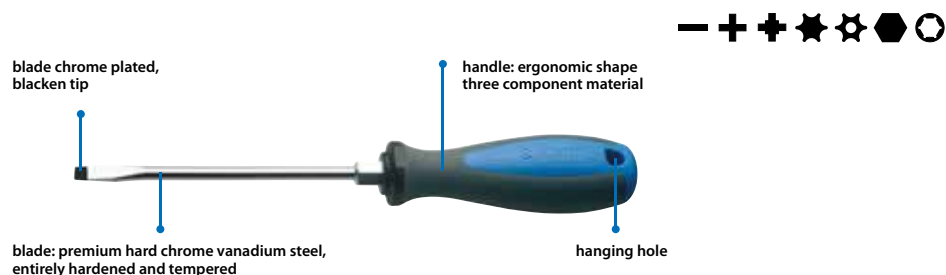


Large hand contact area = more torque power



Ergonomic handle design = protecting your hand

## Features of Unior's screwdrivers

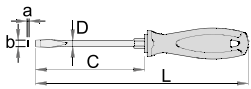


## 600TBI

### Flat screwdriver TBI with hexagon bolster



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006



SKU	axb	C	L	D	⚙️	🔒
611680	1.0 x 5.5	100	200	5	8	68
611681	1.2 x 6.5	125	235	6	10	103
611682	1.2 x 8.0	150	270	7	13	143
611683	1.6 x 10.0	175	295	8	13	171



## 600CS5TBI

### Set of screwdrivers TBI with hexagon bolster



#### Set includes:

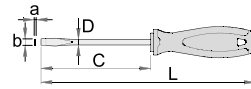
- 1x flat screwdriver TBI (article 605TBI) dim. 0.8x4.0x100
- 2x flat screwdriver TBI with hexagon bolster (article 600TBI) dim. 1.0x5.5x100, 1.2x6.5x125
- 2x crosstip (PH) screwdriver TBI with hexagon bolster (article 616TBI) dim. PH 1x80, PH 2x100

## 605TBI

### Flat screwdriver TBI



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006
- made according to standard DIN 5264



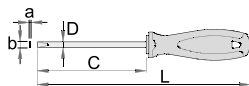
SKU	axb	C	L	D	⚙️	🔒
612810	0.4 x 2.5	60	145	2.5	33	
611687	0.4 x 2.5	75	160	2.5	34	
611688	0.5 x 3.0	80	165	3	35	
612811	0.5 x 3.0	100	185	3	37	
611689	0.5 x 3.0	125	210	3	37	
612812	0.5 x 3.0	150	235	3	39	
612813	0.6 x 3.5	75	160	3.5	37	
611690	0.6 x 3.5	100	185	3.5	39	
611691	0.6 x 3.5	125	210	3.5	40	
611692	0.8 x 4.0	100	185	4	41	
612814	0.8 x 4.0	125	210	4	44	
611693	0.8 x 4.0	150	235	4	46	
612815	0.8 x 4.0	200	285	4	53	
612816	1.0 x 5.5	100	200	5	68	
611694	1.0 x 5.5	125	225	5	70	
611695	1.0 x 5.5	150	250	5	74	
612817	1.2 x 6.5	100	210	6	93	
612818	1.2 x 6.5	125	235	6	98	
611696	1.2 x 6.5	150	260	6	103	
611697	1.2 x 6.5	200	310	6	115	
611698	1.2 x 8.0	175	295	7	143	
612819	1.6 x 8.0	175	295	7	143	
611699	1.6 x 10.0	200	320	8	173	
611700	2.0 x 12.0	250	370	9	223	

## 602TBI

### Flat electrician's screwdriver TBI



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole



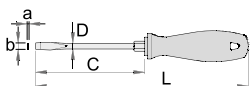
SKU	axb	C	L	D	⚙️	🔒
612797	0.4 x 2.5	60	145	2.5	33	
612798	0.4 x 2.5	75	160	2.5	33	
611684	0.5 x 3.0	100	185	3	37	
612799	0.5 x 3.0	150	235	3	39	
612800	0.6 x 3.5	100	185	3.5	39	
612801	0.8 x 4.0	100	185	4	43	
611685	0.8 x 4.0	125	210	4	45	
612802	0.8 x 4.0	150	235	4	48	
612803	0.8 x 4.0	250	335	4	56	
612804	1.0 x 5.5	125	225	5.5	75	
611686	1.0 x 5.5	150	250	5.5	81	
616843	1.0 x 5.5	280	380	5.5	103	
612805	1.2 x 6.5	150	260	6.5	113	
616844	1.2 x 6.5	280	390	6.5	145	
612806	1.2 x 8.0	175	295	8	163	

## 600CR

### Flat screwdriver CR with hexagon bolster



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006



SKU	axb	C	L	D	⚙️	🔒
616322	1.0 x 5.5	100	200	5	8	68
616323	1.2 x 6.5	125	235	6	10	103
616324	1.2 x 8.0	150	270	7	13	143
616325	1.6 x 10.0	175	295	8	13	171

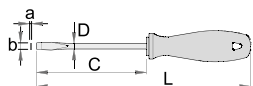


## 605CR

### Flat screwdriver CR



- ▶ blade: premium hard chrome vanadium steel, entirely hardened and tempered
- ▶ blade chrome plated, blackened tip
- ▶ handle: ergonomic shape
- ▶ handle - polypropylene
- ▶ hanging hole
- ▶ made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006
- ▶ made according to standard DIN 5264



SKU	axb	C	L	D	
616338	0.4 x 2.5	60	145	2.5	33
616339	0.4 x 2.5	75	160	2.5	34
616340	0.5 x 3.0	80	165	3	35
616341	0.5 x 3.0	100	185	3	37
616342	0.5 x 3.0	150	235	3	39
616343	0.6 x 3.5	75	160	3.5	37
616344	0.6 x 3.5	100	185	3.5	39
616345	0.6 x 3.5	125	210	3.5	40
616346	0.8 x 4.0	100	185	4	41
616347	0.8 x 4.0	125	210	4	44
616348	0.8 x 4.0	150	235	4	46
616349	0.8 x 4.0	200	285	4	53
616350	1.0 x 5.5	100	200	5	68
616351	1.0 x 5.5	125	225	5	70
616352	1.0 x 5.5	150	250	5	74
616353	1.2 x 6.5	100	200	6	93
616354	1.2 x 6.5	125	225	6	98
616355	1.2 x 6.5	150	250	6	103
616356	1.2 x 8.0	175	285	7	143
616357	1.6 x 8.0	175	285	7	143
616358	1.6 x 10.0	200	320	8	173
616359	2.0 x 12.0	250	370	9	223

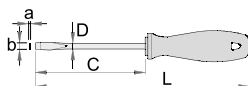


## 605NI

### Flat screwdriver



- ▶ blade: premium hard chrome vanadium steel, entirely hardened and tempered
- ▶ blade nickel plated
- ▶ handle: ergonomic shape
- ▶ handle - polypropylene
- ▶ hanging hole
- ▶ made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006



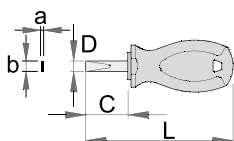
SKU	axb	C	L	D	
616419	0.4 x 2.0	60	145	2	33
616420	0.4 x 2.5	75	160	2.5	34
616421	0.5 x 3.0	80	165	3	35
616422	0.6 x 3.5	100	185	3.5	39
616423	0.8 x 4.0	100	185	4	41
616424	1.0 x 5.5	125	225	5	70
616425	1.2 x 6.5	150	250	6	103
616426	1.2 x 8.0	175	285	7	143
616427	1.6 x 10.0	200	320	8	173

## 627TBI

### Stubby flat screwdriver TBI



- ▶ blade: premium hard chrome vanadium steel, entirely hardened and tempered
- ▶ blade chrome plated, black anodised tip
- ▶ handle: ergonomic shape
- ▶ three component material
- ▶ hanging hole
- ▶ made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006



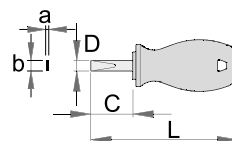
SKU	axb	C	L	D	
612832	0.6 x 3.5	25	87	3.5	33
612833	0.8 x 4.0	25	87	4	41
612834	1.0 x 5.5	25	87	5.5	40
612835	1.2 x 6.5	25	87	6.5	34
617092	1.2 x 6.5	35	97	6.5	36

## 627CR

### Stubby flat screwdriver CR



- ▶ blade: premium hard chrome vanadium steel, entirely hardened and tempered
- ▶ blade chrome plated, blackened tip
- ▶ handle: ergonomic shape
- ▶ handle - polypropylene
- ▶ hanging hole
- ▶ made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006



SKU	axb	C	L	D	
616399	0.8 x 4.0	25	86	4	37
616400	1.0 x 5.5	25	86	5.5	41
616401	1.2 x 6.5	25	86	6.5	43

## 606B5NI

### Set of screwdrivers NI



#### Set includes:

- ▶ 5x flat screwdriver NI (article 605NI) dim. 0.4x2.0x60, 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150

#### SKU

617033



5

## 606CS5CR

### Set of screwdrivers CR



#### Set includes:

- ▶ 5x flat screwdriver CR (article 605CR) dim. 0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.6x8.0x175

#### SKU

617017



5



## 606CS5TBI

### Set of screwdrivers TBI



#### Set includes:

- 5x flat screwdriver TBI (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175

## 607CS5TBI

### Set of screwdrivers TBI



#### Set includes:

- 3x TBI flat screwdriver (article 605TBI) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100

## 607PB8TBI

### Set of screwdrivers TBI in plastic box



- Dimension of box: 307 x 260 x 55

#### Set includes:

- 1x flat screwdriver TBI (article 602TBI) dim. 0.5x3.0x100
- 3x TBI flat screwdriver (article 605TBI) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100
- 2x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 1x80, PZ 2x100

SKU	↓
616320	5

SKU	↓
611985	5

## 607B5CR

### Set of screwdrivers CR



#### Set includes:

- 3x flat screwdriver CR (article 605CR) dim. 0.4x2.5x75, 0.8x4.0x100, 1.2x6.5x150
- 2x crosstip (PH) screwdriver CR (article 615CR) dim. PH 1x80, PH 2x100

## 607CS7CR

### Set of screwdrivers CR



#### Set includes:

- 4x flat screwdriver CR (article 605CR) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175
- 3x crosstip (PH) screwdriver CR (article 615CR) dim. PH 1x80, PH 2x100, PH 3x150

SKU	↓
617021	5

SKU	↓
617026	7

## 607B5NI

### Set of screwdrivers NI



#### Set includes:

- 3x flat screwdriver NI (article 605NI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.2x6.5x150
- 2x crosstip (PH) screwdriver NI (article 615NI) dim. PH 1x80, PH 2x100

## 607CS7TBI

### Set of screwdrivers TBI



#### Set includes:

- 5x flat screwdriver TBI (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100

## 607PB9TBI

### Set of screwdrivers TBI in plastic box



- Dimension of box: 307 x 260 x 55

#### Set includes:

- 4x TBI flat screwdriver (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100
- 3x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 0x60, PZ 1x80, PZ 2x100

SKU	↔	↓
621419	-	9

## 608CS5CR

### Set of screwdrivers CR



#### Set includes:

- 5x crosstip (PH) screwdriver CR (article 615CR) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150, PH 4x200

SKU	↓
617037	5

SKU	↓
611986	7

SKU	↓
617028	5

## 608CS5NI

### Set of screwdrivers NI



#### Set includes:

- 5x crosstip (PH) screwdriver NI (article 615NI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
- 1x crosstip (PZ) screwdriver NI (article 625NI) dim. PZ 2x100



SKU	↓
617041	5

## 608CS5TBI

### Set of screwdrivers TBI



#### Set includes:

- 4x crosstip (PH) screwdriver TBI (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
- 1x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 2x100



SKU	↓
612326	5

## 609CS5TBI

### Set of screwdrivers TBI



#### Set includes:

- 3x TBI flat screwdriver (article 605TBI) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 1x80, PZ 2x100



SKU	↓
611987	5

## 609CS7CR

### Set of screwdrivers CR



#### Set includes:

- 4x flat screwdriver CR (article 605CR) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175
- 3x crosstip (PZ) screwdriver CR (article 625CR) dim. PZ 1x80, PZ 2x100, PZ 3x150



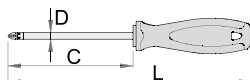
SKU	↓
617030	7

## 615TBI

### Crosstip (PH) screwdriver TBI



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2
- made according to standard DIN 5260-PH



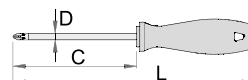
SKU	+	C	L	D	↓
611701	PH 0	60	145	3	34
611702	PH 1	80	180	4.5	60
611703	PH 1	200	300	4.5	74
611704	PH 2	100	210	6	94
611705	PH 2	150	260	6	104
611706	PH 2	200	310	6	114
611707	PH 3	150	270	8	154
611708	PH 4	200	320	10	230

## 615CR

### Crosstip (PH) screwdriver CR



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standards DIN ISO 8764-1: 2006, DIN ISO 8764-2: 2006, DIN EN ISO 4757: 1994
- made according to standard DIN 5260-PH



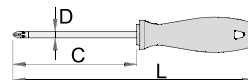
SKU	+	C	L	D	↓
616363	PH 0	60	145	3	34
616364	PH 1	80	165	4.5	60
616365	PH 1	200	285	4.5	74
616366	PH 2	100	200	6	94
616367	PH 2	150	250	6	104
616368	PH 3	150	260	8	154
616369	PH 4	200	320	10	230

## 612CR

### Electrician's crosstip screwdriver CR



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN 5260-PH



SKU	+	C	L	D	↓
616360	PH 1	280	365	4.5	67
616361	PH 2	200	300	6	98
616362	PH 2	280	380	6	113

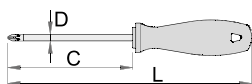


## 615NI

### Crosstip (PH) screwdriver



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade nickel plated
- › handle: ergonomic shape
- › handle - polypropylene
- › hanging hole
- › made according to standard ISO 8764-1,2



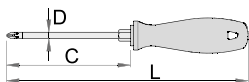
SKU	+	C	L	D	+
616428	PH 0	60	145	3	34
616429	PH 1	80	165	4.5	60
616430	PH 2	100	200	6	94
616431	PH 3	150	260	8	154

## 616CR

### Crosstip (PH) screwdriver CR with hexagon bolster



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, black anodised tip
- › handle: ergonomic shape
- › handle - polypropylene
- › hanging hole
- › made according to standard ISO 8764-1,2



SKU	+	C	L	D	+
616370	PH 1	80	180	4.5	8
616371	PH 2	100	210	6	10
616372	PH 3	150	270	8	13

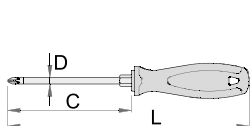


## 616TBI

### Crosstip (PH) screwdriver TBI with hexagon bolster



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, black anodised tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard ISO 8764-1,2



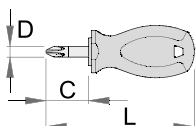
SKU	+	C	L	D	+
611709	PH 1	80	180	4.5	8
611710	PH 2	100	210	6	10
611711	PH 3	150	270	8	13

## 626TBI

### Stubby crosstip (PH) screwdriver TBI



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, black anodised tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standards DIN ISO 8764-1: 2006, DIN ISO 8764-2: 2006, DIN EN ISO 4757: 1994



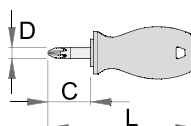
SKU	+	C	L	D	+
612830	PH 1	25	87	4.5	37
612831	PH 2	25	87	6	41
617088	PH 2	35	97	6.0	43

## 626CR

### Stubby crosstip (PH) screwdriver CR



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, black anodised tip
- › handle: ergonomic shape
- › handle - polypropylene
- › hanging hole
- › made according to standard ISO 8764-1,2



SKU	+	C	L	D	+
616397	PH 1	25	86	4.5	37
616398	PH 2	25	86	6	41

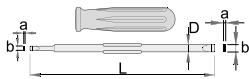


## 636

### Reversible screwdriver



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade nickel plated
- › handle: ergonomic shape
- › handle - polypropylene



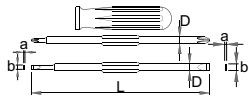
SKU	axb	+	L	D	
608922	1.0 x 6.0	PH 2	140	6	42

## 636A

### Reversible screwdriver



- › with two blades PH2-PH3 and 0.8 x 4.0 - 1.2 x 7.0



SKU	+	+	axb	axb	L	D	
615049	PH 2	PH 3	0.8 x 4.0	1.2 x 7.0	180	7	127

## 636PH

### Crosstip reversible blade



SKU	+	+	
615048	PH 2	PH 3	50

## 636PL

### Slotted reversible blade



SKU	axb		axb
615047	0.8 x 4.0	46	1.2 x 7.0

## 636TX

### Reversible blade with TX profile



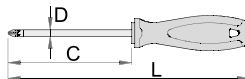
SKU			
620399	TX 20	TX 25	29

## 625TBI

### Double-crosstip (PZ) screwdriver TBI



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, black anodised tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard ISO 8764-1,2



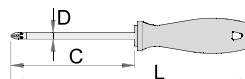
SKU	+	C	L	D	
611741	PZ 0	60	145	3	34
611742	PZ 1	80	180	4.5	60
611743	PZ 2	100	210	6	93
611744	PZ 3	150	270	8	156

## 625CR

### Double-crosstip (PZ) screwdriver CR



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, black anodised tip
- › handle: ergonomic shape
- › handle - polypropylene
- › hanging hole
- › made according to standard ISO 8764-1,2



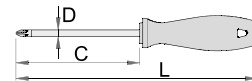
SKU	+	C	L	D	
616393	PZ 0	60	145	3	34
616394	PZ 1	80	165	4.5	60
616395	PZ 2	100	200	6	93
616396	PZ 3	150	260	8	156

## 625NI

### Double-crosstip (PZ) screwdriver



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade nickel plated
- › handle: ergonomic shape
- › handle - polypropylene
- › hanging hole
- › made according to standard ISO 8764-1,2



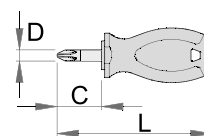
SKU	+	C	L	D	
616433	PZ 1	80	165	4.5	60
616434	PZ 2	100	200	6	93

## 628TBI

### Stubby double-crosstip (PZ) screwdriver TBI



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standards DIN ISO 8764-1: 2006, DIN ISO 8764-2: 2006, DIN EN ISO 4757: 1994



SKU	+	C	L	D	
612837	PZ 1	25	87	4.5	37
612838	PZ 2	25	87	6	41
617095	PZ 2	35	97	6.0	43

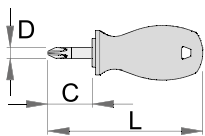
**MADE  
FOR  
WORK.**

## 628CR

### Stubby double-crosstip (PZ) screwdriver CR



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standards DIN ISO 8764-1: 2006, DIN ISO 8764-2: 2006, DIN EN ISO 4757: 1994



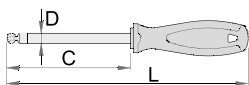
SKU	+	C	L	D	
616402	PZ 1	25	85	4.5	37
616403	PZ 2	25	85	6	41

## 620TBI

### Ball-end hex screwdriver TBI



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole



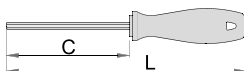
SKU	+	C	L	D	
611715	2	65	150	3	31
611716	2.5	75	160	3	34
611717	3	75	160	3.5	37
611718	4	100	200	5	68
611719	5	100	210	6	93
611720	6	125	245	7	128
611721	8	150	270	10	203

## 620/1CR

### Hex screwdriver CR



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade: blackened
- handle: ergonomic shape
- handle - polypropylene
- hanging hole



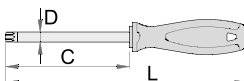
SKU	+	C	L	
617128	2	60	145	34
617129	2.5	60	145	34
617130	3	75	160	37

## 621TBI

### Screwdriver TBI with TX profile



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole



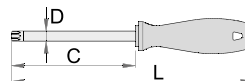
SKU	★	C	L	D	
611722	TX 6	60	145	3	34
611723	TX 7	60	145	3	34
611724	TX 8	60	145	3	34
611725	TX 9	60	145	3	34
611726	TX 10	80	165	3	35
611727	TX 15	80	165	3.5	37
611728	TX 20	100	185	4	43
611729	TX 25	100	200	4.5	63
611730	TX 27	115	215	5.5	76
611731	TX 30	115	225	6	98
611732	TX 40	130	250	7	130
611733	TX 45	130	250	8	148

## 621CR

### Screwdriver CR with TX profile



- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole



SKU	★	C	L	D	
616379	TX 6	60	145	3	34
616380	TX 7	80	165	3	34
616381	TX 8	80	165	3	34
616382	TX 9	80	165	3	34
616383	TX 10	80	165	3	35
616384	TX 15	80	165	3.5	37
616385	TX 20	100	185	4	43
616386	TX 25	100	185	4.5	63
616387	TX 27	115	215	5.5	76
616388	TX 30	115	215	6	98
616389	TX 40	130	240	7	130

## 621CS7CR

### Set of screwdrivers CR with TX profile



#### Set includes:

- 7x screwdriver CR with TX profile (article 621CR) dim. TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40

SKU	↔	
617031	TX 10 - TX 40	7

## 621CS7TBI

### Set of screwdrivers TBI with TX profile



#### Set includes:

- 7x screwdriver TBI with TX profile (article 621TBI) dim. TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40

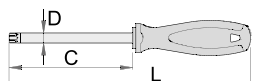
SKU	↔	
612300	TX 10 - TX 40	7

## 621/1TBI

### Screwdriver TBI with TX profile and hole



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole



SKU	⚙	C	L	D	🔒
611734	TR 10	80	165	3	35
611735	TR 15	80	165	3.5	37
611736	TR 20	100	185	4	43
611737	TR 25	100	200	4.5	63
611738	TR 27	115	215	5.5	76
611739	TR 30	115	225	6	98
611740	TR 40	130	250	7	130



## 621/1CS7TBI

### Set of screwdrivers TBI with TX profile and hole



#### Set includes:

- › 7x screwdriver TBI with TX profile and hole (article 621/1TBI) dim. TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40

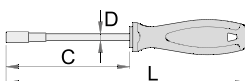
SKU	📏	🔒
612308	TR 10 - TR 40	7

## 629TBI

### Socket wrench with TBI handle



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard DIN 3125



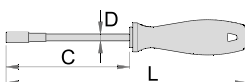
SKU	⚙	C	L	D	🔒
611746	5	125	235	5,2	92
612672	5.5	125	235	5,2	103
611747	6	125	235	5,2	103
611748	7	125	245	6,2	123
611749	8	125	245	6,2	140
611750	9	125	245	6,2	155
611751	10	125	245	8,2	157
611752	11	125	245	8,2	166
611753	12	125	245	9,2	184
611754	13	125	245	9,2	186

## 629CR

### Socket wrench with CR handle



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated
- › handle: ergonomic shape
- › handle - polypropylene
- › hanging hole
- › made according to standard DIN 3125



SKU	⚙	C	L	D	🔒
616404	4	125	225	5	73
616406	5	125	225	5,2	92
616407	5.5	125	225	5,2	103
616408	6	125	225	5,2	103
616409	7	125	235	6,2	123
616410	8	125	235	6,2	140
616411	10	125	235	8,2	157
616413	12	125	245	9,2	184
616414	13	125	245	9,2	186
616415	14	125	245	9	193
616418	17	125	245	9	210

## 629CS5TBI

### Set of socket wrenches with TBI handle



#### Set includes:

- › 5x socket wrench with TBI handle (article 629TBI) dim. 6, 8, 10, 12, 13

SKU	📏	🔒
612318	6 - 13	5

## 629CS7CR

### Set of socket wrenches with CR handle



#### Set includes:

- › 7x socket wrench with CR handle (article 629CR) dim. 6, 8, 10, 12, 13, 14, 17

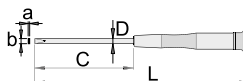
SKU	📏	🔒
617032	6 - 17	7

## 605E

### Flat electronic screwdriver



- › material: premium hard chrome vanadium steel
- › ergonomic heavy duty double component handle
- › tip coated with anticorrosion protection
- › handle with rotating cap



SKU	axb	C	L	D	🔒
608296	0.25 x 1.2	60	153	2.5	10
608297	0.23 x 1.5	60	153	2.5	11
608298	0.3 x 1.8	60	153	2.5	12
608299	0.4 x 2.5	75	168	2.5	12
608300	0.5 x 3.0	100	193	3	13
608301	0.5 x 3.0	150	243	3	18
608302	0.8 x 4.0	100	193	4	23
608303	0.8 x 4.0	150	243	4	28



## 606CS5E

Set of electronic screwdrivers in carton box



- › 5x Flat electronic screwdriver (article 605E) dim. 0.23 x 1.5x60, 0.3 x 1.8x60, 0.4 x 2.5x75, 0.5 x 3.0x100, 0.8 x 4.0x100

## 615E

Crosstip (PH) electronic screwdriver



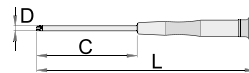
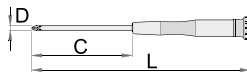
- › material: premium hard chrome vanadium steel
- › ergonomic heavy duty double component handle
- › tip coated with anticorrosion protection
- › handle with rotating cap

## 621E

Electronic screwdriver with TX profile



- › material: premium hard chrome vanadium steel
- › ergonomic heavy duty double component handle
- › tip coated with anticorrosion protection
- › handle with rotating cap



SKU	+	C	L	D	
608304	PH 000	60	153	2.5	12
608305	PH 00	60	153	2.5	12
608306	PH 0	60	153	3	14
608307	PH 1	80	173	4.5	22

SKU	★	C	L	D	
604546	TX 4	60	153	3	12
604547	TX 5	60	153	3	12
608310	TX 6	60	153	3	13
608311	TX 7	60	153	3	14
608312	TX 8	60	153	3	12
608313	TX 9	60	153	3	15
608314	TX 10	60	153	3	14
608315	TX 15	60	153	3.5	17
608316	TX 20	80	173	4	19

## 607CS7E

Set of electronic screwdrivers in carton box



- › 4x Flat electronic screwdriver (article 605E) dim. 0.3 x 1.8x60, 0.4 x 2.5x75, 0.5 x 3.0x100, 0.8 x 4.0x100
- › 3x Crosstip (PH) electronic screwdriver (article 615E dim. PH 000x60, PH 00x60, PH 1x80



## 621CS7E

Set of electronic screwdrivers with TX profile in carton box



- › 7x Electronic screwdriver with TX profile (article 621E) dim. TX 6, TX 7, TX 8, TX 9, TX 10, TX 15, TX 20

SKU

620960

7

## 608CS5E

Set of electronic screwdrivers in carton box



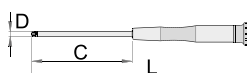
- › 4x Crosstip (PH) electronic screwdriver (article 615E) dim. PH 000x60, PH 00x60, PH 0x60, PH 1x80
- › 1x Crosstip (PZ) electronic screwdriver (article 625E) dim. PZ 0x60

## 619E

Electronic Screwdriver with TS profile



- › material: premium hard chrome vanadium steel
- › ergonomic heavy duty double component handle
- › tip coated with anticorrosion protection
- › handle with rotating cap
- › for pentalobe screws
- › use: for newer models of apple iPhones

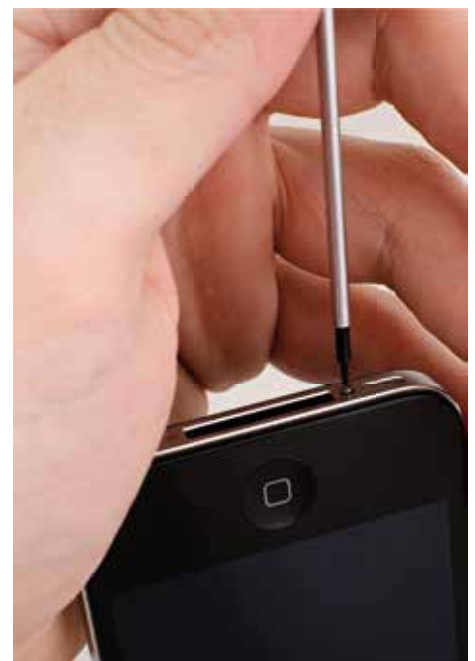


SKU	★	C	L	D	
623364	TS 1	60	153	2.5	12.6

SKU

TX 6 - TX 20

7

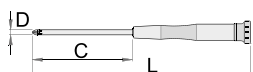


## 625E

### Double-crosstip (PZ) electronic screwdriver



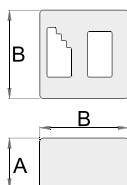
- › material: premium hard chrome vanadium steel
- › ergonomic heavy duty double component handle
- › tip coated with anticorrosion protection
- › handle with rotating cap



SKU	+	C	L	D	
608308	PZ 0	60	153	3	13
608309	PZ 1	80	173	4.5	26

## 633

### Magnetizer/demagnetizer



- › material: ABS
- › blue colour

#### Usage:

- › Use the magnetiser to magnetise the screwdriver's tip so that the screws stick to the tip. Magnetise the tip by pushing the tip and the shaft of the screwdriver through the opening of the magnetiser marked with +. The screwdriver's tip will be magnetised immediately.
- › The tip can be demagnetised by pushing the tip and the shaft into the magnetiser's opening marked with – and by lightly rubbing the inner wall of the opening.
- › The duration of the magnetisation depends on the area of use. If a magnetised screwdriver is used in a room where the magnetic field lines are stronger (e.g. electric cabinet), the tip demagnetises faster. In a normal environment, the magnetisation lasts longer.
- › The magnetiser is used for fastening screws with screwdrivers where the screw cannot be aligned directly with the hole but can be placed into the hole or onto the point of screwing with the screwdriver tip. The same applies for unfastening, since the screw can easily be removed from an area where there is limited space. The magnetised tip can also serve for picking up tiny metal objects in hard to reach places that are otherwise not accessible with the hands.

#### Important!

- › The magnetised screwdriver cannot be used for grabbing stainless steel screws.

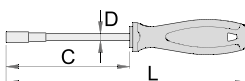
SKU	B	A	
612866	52	30	91

## 638TB16,3

### TBI handle for bits 6,3



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › handle: ergonomic shape
- › three component material
- › with magnet
- › hanging hole



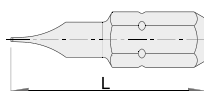
SKU	⊖	C	D	L	⊕	
625356	6,3	100	10	210	6,3	103

## 6460C6,3

### Slotted bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



SKU	axb	L	
602371	0.5 x 4.0	25	9
602372	0.6 x 3.5	25	10
602373	0.6 x 4.5	25	10
602377	1.2 x 6.5	25	11
602378	1.2 x 8.0	25	12

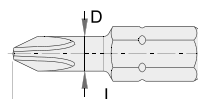


## 6463C6,3

### Crosstip (PH) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



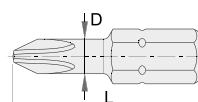
SKU	+	D	L	
602389	PH 1	4.5	25	10
602390	PH 2	6	25	10
602391	PH 3	8	25	12

## 6465C6,3

### Crosstip (PH) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



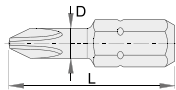
SKU	+	D	L	
602395	PH 2	6	50	16
602396	PH 3	8	50	22

## 6466C6,3

### Double-crosstip (PZ) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



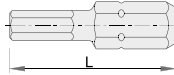
SKU	+	D	L	📦
602397	PZ 1	4.5	25	10
602398	PZ 2	6	25	10
602399	PZ 3	8	25	11

## 6469C6,3

### Hex bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



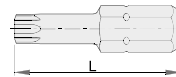
SKU	+	D	📦
602400	2.5	25	9
602401	3	25	9
602402	4	25	10
602403	5	25	12
602404	6	25	12

## 6472TINC6,3

### TX profile bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › titanium coated



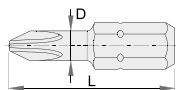
SKU	★	L	📦
604701	TX 20	25	10
604702	TX 25	25	10
604825	TX 30	25	10

## 6463TINC6,3

### Crosstip (PH) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › titanium coated
- › made according to standard ISO 2351



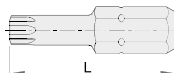
SKU	+	D	L	📦
604692	PH 2	6	25	10

## 6472C6,3

### TX profile bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders



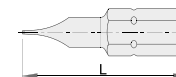
SKU	★	L	📦
602406	TX 7	25	9
602407	TX 8	25	9
602408	TX 9	25	9
602409	TX 10	25	9
602410	TX 15	25	9
602411	TX 20	25	10
602412	TX 25	25	10
621283	TX 27	25	10
621284	TX 30	25	10
621285	TX 40	25	10

## 6480C8

### Slotted bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



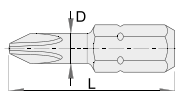
SKU	axb	L	📦
602414	1.0 x 5.5	41	15
602415	1.2 x 6.5	41	18
602417	1.6 x 8.0	41	19
602418	1.6 x 10.0	41	24
602419	2.0 x 12.0	41	27

## 6466TINC6,3

### Double-crosstip (PZ) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › titanium coated
- › made according to standard ISO 2351



SKU	+	D	L	📦
604695	PZ 2	6	25	10
604696	PZ 3	8	25	10

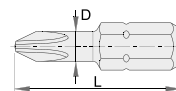
**MADE  
FOR  
WORK.**

## 6483C8

### Crosstip (PH) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



SKU	+	D	L	📦
602423	PH 2	6	32	14
602424	PH 3	8	32	16

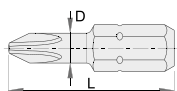


## 6484C8

### Crosstip (PH) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



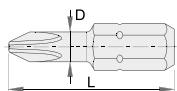
SKU	+	D	L	🔒
602425	PH 4	10	38	22

## 6486C8

### Double-crosstip (PZ) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



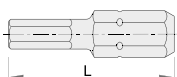
SKU	+	D	L	🔒
602427	PZ 2	6	32	14
602428	PZ 3	8	32	16

## 6489C8

### Hex bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



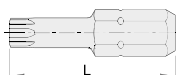
SKU	⬢	L	🔒
602431	5	30	14
602432	6	30	16

## 6492C8

### TX profile bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders



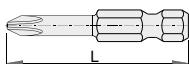
SKU	★	L	🔒
605518	TX 20	30	13
602436	TX 25	30	13
602438	TX 30	30	14
602439	TX 40	30	15
602440	TX 45	30	16
602441	TX 50	30	18

## 6503E6,3

### Crosstip (PH) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



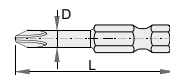
SKU	+	D	L	🔒
602519	PH 1	4.5	50	15
602520	PH 2	6	50	15
602521	PH 3	8	50	18

## 6506E6,3

### Double-crosstip (PZ) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



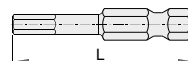
SKU	+	D	L	🔒
602522	PZ 1	4.5	50	14
602523	PZ 2	6	50	17
602524	PZ 3	8	50	19

## 6509E6,3

### Hex bit



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders
- › made according to standard ISO 2351



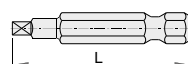
SKU	⬢	L	🔒
602525	2.5	50	13
602526	3	50	14
602527	4	50	16
602528	5	50	17
602529	6	50	18

## 6515E6,3

### Square (SQ) bit, 3 pcs set



- › material: premium hard chrome vanadium steel
- › long durability
- › anti-corrosion protection
- › for hand and power drivers
- › combined with different magnetic and non-magnetic bit holders



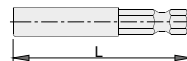
SKU	■	L	🔒
603418	SQ 2	75	23





## 6715E6,3

Bits adaptor E6, 3 (1/4")



SKU	■	L	↓
624053	E6.3(1/4")	50	18
603028	E6.3 (1/4")	75	32

## 6776PB21

Bits set in plastic box



› Dimension of box: 145 x 85 x 40

### Set includes:

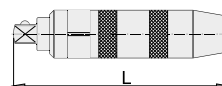
- › 1x bits adaptor E6, 3 (1/4") (article 6715E6,3) dim. 75
- › 4x hex bits (article 6469C6,3) dim. 3, 4, 5, 6
- › 9x TX profile bit (article 6472C6,3) dim. TX8, TX9, TX10, TX15, TX20, TX25, TX27, TX30, TX40
- › 3x double-crosstip (PZ) bit (article 6466C6,3) dim. PZ1, PZ2, PZ3
- › 2x crosstip (PH) bit (article 6463C6,3) dim. PH1, PH2
- › 2x slotted bit (article 6460C6,3) dim. 0.5x4.0, 1.2x6.5



SKU	↓
621650	21

## 6762.1

Impact screwdriver



SKU	■	L	↓
605062	1/2"	144	661

## 6778FBS1

### Bits set



#### Set includes:

- 1x bits adaptor E6, 3 (1/4") (article 6715E6,3) dim. 50
- 4x double-crosstip (PZ) bit (article 6466C6,3) dim. PZ1, PZ2 (2x), PZ3
- 4x crosstip (PH) bit (article 6463C6,3) dim. PH1, PH2 (2x), PH3
- 2x slotted bit (article 6460C6,3) dim. 0.8x5.5, 1.2x6.5



SKU	↓
624050	10

## 6778FBS2

### Bits set



#### Set includes:

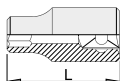
- 1x bits adaptor E6, 3 (1/4") (article 6715E6,3) dim. 50
- 3x double-crosstip (PZ) bit (article 6466C6,3) dim. PZ1, PZ2, PZ3
- 3x crosstip (PH) bit (article 6463C6,3) dim. PH1, PH2, PH3
- 4x TX profile bit (article 6472C6,3) dim. TX15, TX20, TX25, TX30



SKU	↓
624051	11

## 6762.2

### Adaptor 1/2" - 5/16"



SKU	L	L	↓
605063	1/2" - 5/16"	37	60

## 6762

### Impact screwdriver set



➤ Dimension of box: 197 x 105 x 38

#### Set includes:

- 1x Impact screwdriver (article 6762.1) dim. 1/2"
- 1x Impact adapter (article 6762.2) dim. 1/2"-5/16"
- 2x hex bits (article 6489C8) dim. 5, 6
- 4x TX profile bit (article 6492C8) dim. TX20, TX25, TX30, TX40
- 1x crosstip (PH) bit (article 6484C8) dim. PH4
- 2x crosstip (PH) bit (article 6483C8) dim. PH2, PH3
- 3x slotted bit (article 6480C8) dim. 1.2x6.5x41, 1.6x8.0x41, 2.0x12.0x41



SKU	↓
605061	14



Move impact screwdriver closer to screw, which we will tighten (R), or loosen (L)



L is showing screw loosening.



R is showing screw tightening.



When tightening or loosening the screw, tool has to be placed in a position perpendicular to the screw!



Correct! / Pravilno!  
Move tool closer to screw, and don't press it to final position before use. With hammer strike, tool is automatically extracted and tightening/loosening begins.



Wrong! / Nepravilno!  
When the tool is in the compressed position, and we strike it with hammer inner mechanism will get destroyed. Never strike tool with hammer, when the tool is in compressed position!





# PULLERS

**A strictly purpose-made tool tailored to professional users!**

100% dedicated to professional users, for whom this tool represents an indispensable choice in their everyday work. It is an irreplaceable tool, without which craftsmen cannot do their job. Adapting to the increasingly precise and demanding construction of building machinery, means of transport, and the like, is certainly a consequence of the constant need to upgrade these kinds of tools and their purpose. This is why at Unior we have developed many models for different purposes over the years, and we are constantly updating them from year to year in order to meet the needs and expectations of professional users.



**THE EXCEPTIONAL DURABILITY OF PULLERS** – is ensured by choice materials with accessories and with the additional hardening of exposed parts.



**ADDITIONAL PRECISION** – as the tip attached to the spindle allows for precise pulling without slippage.



**VARIETY** – made possible by a product line that features a variety of pullers for extracting bearings, bearing rings, pulleys and joints, as well as for other intended uses.

**Premium Flex +**

## Premium Flex Plus Carbon Steel

### Efficiency and durability under considerable crushing and deformation stress

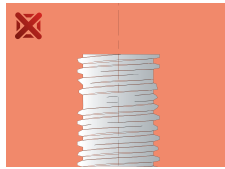
Construction and trade steels have special properties that guarantee their appropriate hardness, ductility and elasticity, as is required for tools such as setters, hammers and screw clamps, which are exposed to great force during hammering and clamping. Steels with a medium carbon content that are used to make tools have a higher carbon content, resulting in better durability. A suitable manganese content increases the tensile strength and ductility of the material, which is particularly important under high load conditions. The chrome content reduces the susceptibility to cracking, while the silicon content increases the elasticity of tool materials subjected to strong forces.

### Medium carbon steel C45R, according to EU directive 2000/53/EC and the EN 10083-2 standards:

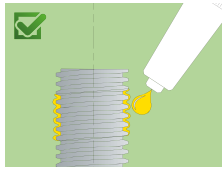
- › 0,45% carbon for higher tensile strength and better tempering
- › 0,70% manganese for higher tensile strength and ductility
- › 0,35% chrome for higher tensile strength and lower susceptibility to cracking
- › 0,20% silicon for higher elasticity

PULLERS WITH TWO ADJUSTABLE ARMS	174 - 175
PULLERS WITH THREE ADJUSTABLE ARMS	176
OTHER PULLERS	177 - 179

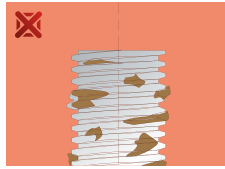




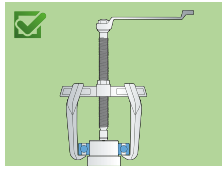
*Don't use a spindle that is damaged.*



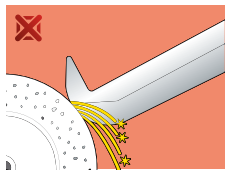
*Always oil the puller spindle.*



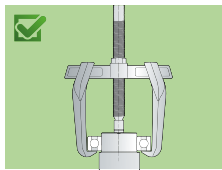
*Don't use a puller which has a dirty spindle. Always clean your tools properly.*



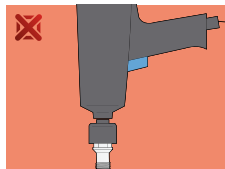
*Always use the right tool for the job.*



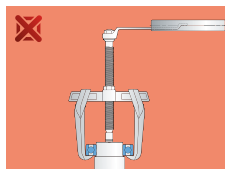
*Don't grind, weld or reheat-treat puller arms.*



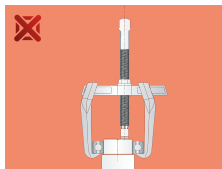
*Always centre the puller spindle on the middle of the object, so the holding arms are distributed evenly on the body.*



*Don't use pneumatic tools with pullers.*



*Never use a pipe extension or other form of lever to increase the leverage.*



*Never put the puller spindle off centre, as slippage of the puller arm can occur.*



#### WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

# A special procedure for the manufacture of pullers

## Head (body)

**1. Cutting:** Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

**2. Forging:** Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy and dynamic loads.

**3. Trimming:** Superfluous material around a forged part is removed using a special- purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

**4. CNC working:** A CNC machine is used to accurately work the head of the puller, which ensures smooth movement of the small handles.

**5. Threading:** The accurate threading of the internal trapezoid thread ensures the smooth movement of the spindle and thus enables rapid adjustment when using the puller.

**6. Heat treatment (quenching and tempering) and sanding:** The heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

**7. Sanding:** Cleaning the surface before chroming is important for the sake of quality and durable surface protection.

**8. Chroming:** The handle of the puller is plated with a thin, hard coating of chromium oxide, which protects against corrosion and wear and other mechanical damage. At the same time, it gives the entire Unior puller a glossy appearance.

## Spindle

**9. Forging part:** The forging part is made by warm upsetting, which provides the shape of the spindle head

**10. CNC working:** The CNC machine is used to accurately work the spindle that is the basis for thread rolling.

**11. Thread rolling:** Is carried out on a special machine with special rollers. The resulting trapezoid thread is intended for use under greater strain.

**12. Heat treatment (quenching and tempering) and sanding:** The heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

**13. Sanding:** Cleaning the surface before chroming is important for the sake of quality and durable surface protection.

**14. Burnishing and oiling:** Burnishing gives a spindle a proper professional appearance and, together with the right oil, the necessary surface protection.





## Small handle

**15. Forging and trimming a small handle:** A forged part is made using drop forging technology. Drop forging provides various ergonomic product shapes. Suitable forging procedures maintain appropriate fiber orientation, leaving it the same as in rolled blanks. Superfluous material around a forged part is removed using a special-purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

**16. Hole broaching and CNC treatment:** Broaching shapes the tip of the jaw. The latter must have optimal thickness for the necessary functionality of the broach. That is followed by CNC treatment of small handles that provides the necessary positioning of the broach assembly.

**17. CNC working:** CNC working of the small handles provides accuracy and thus improves the functioning of the entire product.

**18. Heat treatment (quenching and tempering) and sanding:** Heat treatment with annealing and tempering is intended to enhance the structure of steel, product strength and toughness, and other properties required to withstand the loads to which such a product is exposed to. Sanding is used to clean the surface for further operations.

**19. Sanding:** Cleaning the surface before chroming is important for the sake of quality and durable surface protection.

**20. Chroming:** The handle of the puller is plated with a thin, hard coating of chromium oxide, which protects against corrosion and wear and other mechanical damage. At the same time, it gives the entire Unior puller a glossy appearance.

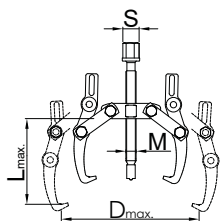
## Assembly

**21. Final assembly:** The trained, skilled and meticulous workers performing the final assembly assemble the product into a solid whole that ensures the functioning and high quality of the Unior puller.

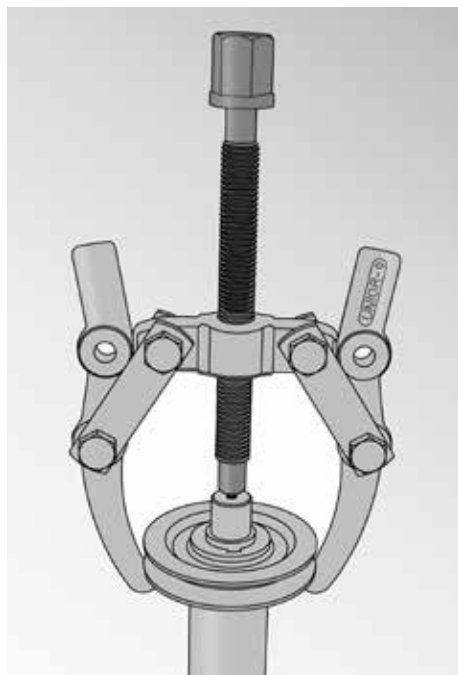
## Puller with two adjustable arms



- › material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009, screw blackened
- › arms adjustable in two positions
- › lever action claws fit closely under the part to be removed



SKU	Nº	Li	Di	ifmax→	itmax→	M	S	
612603	0	90	90	20	2	M 10 x 1	13	405
601762	1	160	130	30	3	M 14 x 1,5	17	915
601763	2	230	190	40	4	M 20 x 2	22	2078
601764	3	300	250	60	6	M 22 x 2	24	4075



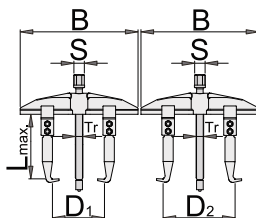
## Puller with two sliding arms



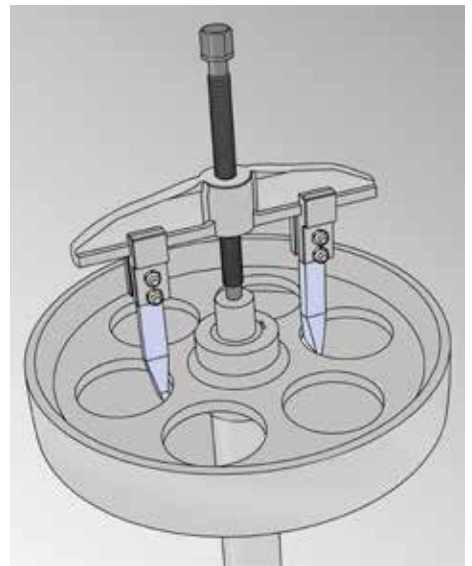
- › material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009, screw blackened

## Advantages:

- › by reversing the arms, the puller can be used as internal or external puller
- › sturdy design for very heavy duty work



SKU	Nº	B	D1	D2	Li	ifmax→	itmax→	M	S	
601765	300	280	70 - 220	110 - 260	150	65	6.5	M 20 x 2	22	3355
601766	400	450	110 - 360	190 - 450	200	110	11	M 22 x 2	32	8725



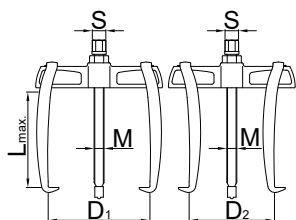
## Puller with two sliding arms



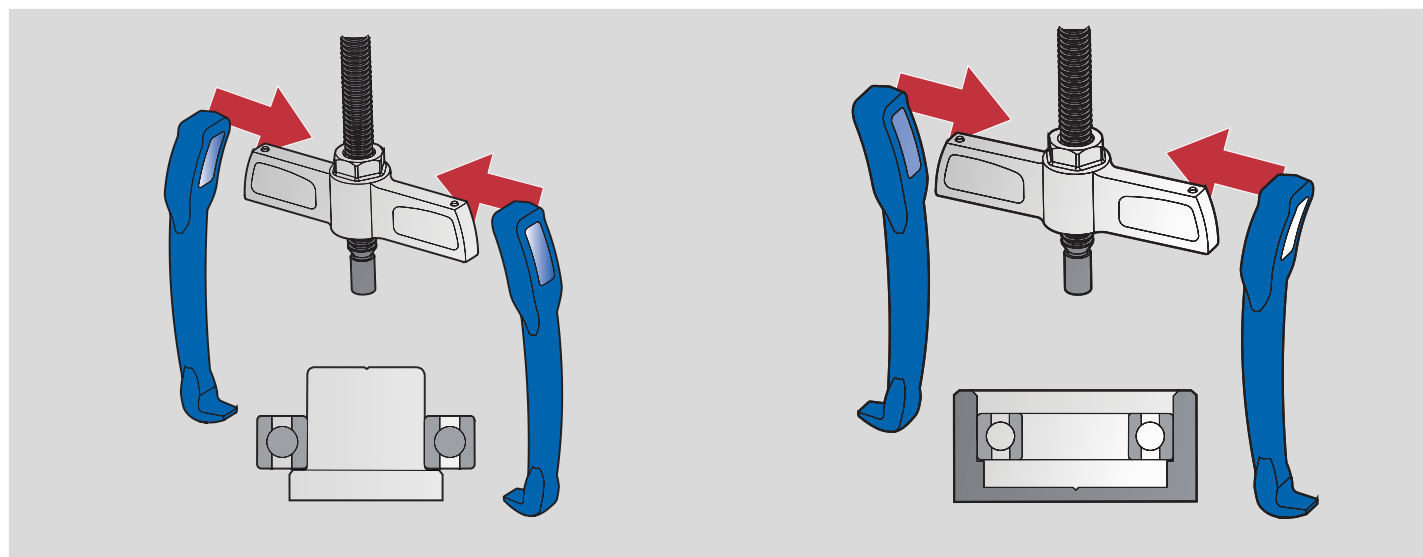
- material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- lever action claws fit closely under the part to be removed

**Advantages:**

- by reversing the arms, the puller can be used as internal or external puller



SKU	Nº	LI	D1	D2	lFmax	lTmax	M	S	
615076	60	90	65	50 - 90	25	2.5	M 10x1	13	325
615077	90	90	90	50 - 110	25	2.5	M 10x1	13	395
615078	130	140	130	80 - 140	50	5	M 14x1,5	17	1125
615079	180	140	180	80 - 180	50	5	M 14x1,5	17	1225
615080	250	195	250	130 - 250	75	7.5	M 22x2	24	4025
615081	350	195	350	130 - 350	75	7.5	M 22x2	24	4525

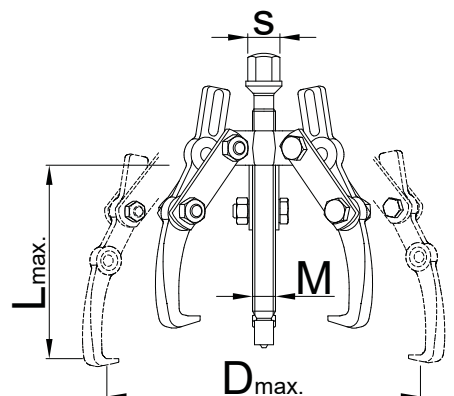




## Puller with three adjustable arms



- material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- arms adjustable in two positions
- lever action claws fit closely under the part to be removed



SKU	Nº	Lt	Dt	lfmax	ltmax	M	S	
612604	0	90	90	25	2.5	M 10 x 1	13	305
601767	1	130	160	40	4	M 14 x 1,5	17	1725
601768	2	190	230	50	5	M 20 x 2	22	2570
601769	3	250	300	80	8	M 22 x 2	24	5100

## 689/2BI

## Inner bearing puller



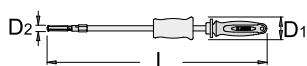
- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- ergonomic heavy duty double component handle

## Advantages:

- Set includes 6 pcs of arm for inner bearing dimensions 6.5-8, 10-12, 12-15, 17-20, 22-28, 30-36

## Usage:

- It is used for pulling different types of bearings. The bearing is gripped from the inside side and pulled out.
- the bearing is extract with a 1 kg weight



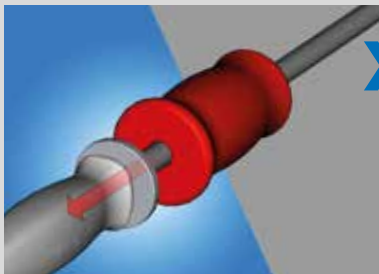
SKU	D1	D2	D2t	Lt	Lt	
622587	52	6,5	36	495	555	3300



➤ Before starting the application, you need to screw appropriate extractor dimension on the handle.



➤ First inserted extractor through the hole in the bearing which will be dismount out of the housing. Then start to screwed thorn into extractor, which has a function that opens puller body, which adapts to the bearing bores.



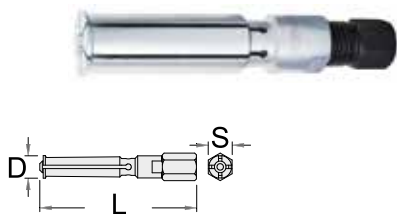
➤ Start with steady hits dismounting bearing with help of sliding hammer.



➤ After several strokes fast and easy dismount bearing from housing without damage.

## 689.1/4

### Arm for 689/2BI



SKU	D"	L	S	
623089	6,5 - 8	81	14	38
623090	10 - 12	83	14	53
623091	12 - 15	92	14	65
623092	17 - 20	102,5	14	125
623093	22 - 28	125	17	269
623094	30 - 36	140	22	525

## 2026/2

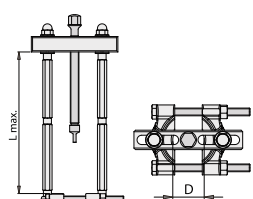
### Separator puller



- material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- Surface finish of screws: burnished, other parts are chrome-plated
- The separator puller is a tool designed to efficiently dismount various machine parts attached to shafts.
- It is indispensable for tasks requiring the safe and deformation-free dismounting of firmly fixed machine parts.
- Our product range includes three sizes of pullers used for taking off objects from shafts. They range from Ø5mm to Ø115mm.

#### Advantages:

- The separator puller consists of a yoke, a spindle, two arms and a gripper assembly, which together allow uniform dismounting.
- The separator puller is designed to allow easy and safe operation



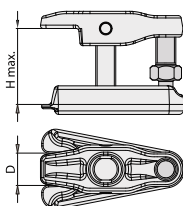
SKU	D	Li	ifmax→	imax→	
619273	5 - 60	229	20	2	2160
619274	12 - 75	234	35	3,5	2930
619275	22 - 115	325	50	5	7180

## 2032/2

### Ball joint puller



- material: premium flex plus carbon steel
- jaw capacity: 23mm
- maximal height: 53mm
- for extracting ball joints from steering wheel and suspensions



SKU	D	Hi	ifmax→	imax→	
619736	23	53	30	3	780



## 2051/4

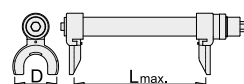
### Suspension compressor for shock absorber springs



- This Union professional tool, under article number 2051, is intended for the removal of car shock absorbers and is mainly used to compress the springs in MacPherson struts. Since the number of versions of the MacPherson strut is always increasing, the tool set contains three different pairs of grippers that almost completely cover the range of different MacPherson struts. The tool set also includes a spacer bar for conical springs, which increases the usefulness of the Shock Absorber Remover. Development of this tool took safety into account as the large forces involved in removing shock absorbers may present a risk of injury to the user. For this reason, all grippers in the set feature enlarged grip edges to firmly grip the spring in the tool thus prevent any possibility of slipping, which could injure the tool user. The recommended load for the tool is 9000 N. The maximum load for the tool is up to 37000 N. The tool is supplied in a durable PVC case that enables easier and safer transportation.
- in set 2 cups 80 - 115, 2 cups 110 - 150 in 2 cups 140 - 195

#### How to use the tool:

- 1. Select the appropriate cup for your spring.
- 2. Place the remover on the spring.
- 3. START compressing the shock absorber spring.



SKU	Li	⊖	D	
619279	300	21	80 - 195	14600



## 2210/2

### Timing pulley puller



- material: premium flex plus carbon steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- for removing pulleys with 3, 6, 9 slots
- This tool is designed for removing drive pulleys with face grooves. The tool removes a pulley absolutely free of any risk of damage. The tool is adaptable to different pulley diameters, as the legs are adjustable.

## 2210/2A

### Universal timing pulley puller



- material: premium flex plus carbon steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- for removing all types of pulleys with 2, 3, 4, 5, 6, 7, 8, 9 slots
- This tool is designed for removing drive pulleys with face grooves. The tool removes a pulley absolutely free of any risk of damage. The tool is adaptable to different pulley diameters, as the legs are adjustable.

## 1976/2

### Adjustable oil-filter wrench



- material gripping arms: carbon tool steel
- for assembling or disassembling oil filters
- removes all type of oil filters from 60 to 120 mm diameter

#### Advantages:

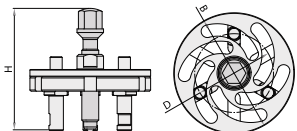
- arms are ribbed, for better gripping oil filters

#### How to use the tool:

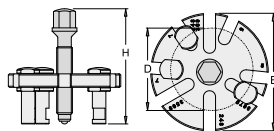
- As car repair shops usually need to replace various types of oil filters, we have developed a tool that can be used on the majority of standard ones. When used, the tool conforms to the filter as tightening it makes it grip the filter. The tool can be used on all filters with diameters ranging from 60 to 120 mm. Because of the limited space during changing, the tool is sized and adjusted to require as little space as possible. The hooks are ribbed to make them suitable for filters without an edge to allow gripping and which would be difficult to replace with conventional methods. The tool works in both directions and thus allows both the tightening and loosening of oil filters, as it adjusts and utilises the effort invested optimally in both cases.

#### Important!

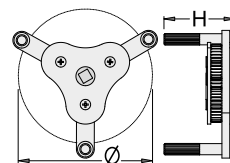
- used with ratchet 3/8" and proper extension bar



SKU	B	D	H	🔒
620226	100	48 - 82	135	1085



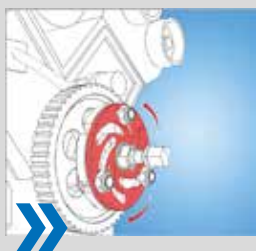
SKU	B	D	H	🔒
621780	100	48 - 82	135	800



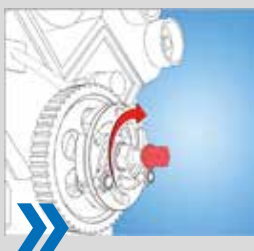
SKU	Øi	Øf	H	🔒
619257	60	120	3/8"	635



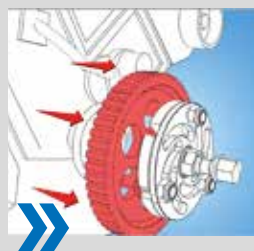
Insert puller legs into openings of pulley.



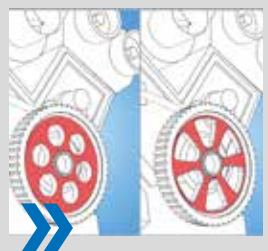
Turn setting plate to shift puller legs, so they tightly grasp to pulley.



Turn spindle clockwise until pulley comes off.



When finished working, remove puller.



Can be used for ...



## Wrench for reservoir



- material arms: carbon tool steel
- for removing plastic fuel tank nut
- for assembling or disassembling

**Advantages:**

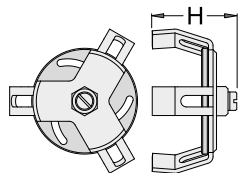
- quick gripping of fuel tank nut

**How to use the tool:**

- This tool has three removable hooks that grip the fuel tank cap firmly so it does not move. As access to this cap is usually difficult when making replacements, the tool is constructed so that it requires minimum space. Simply place the tool on the cap and rotate in the appropriate direction. The tool adapts to the cap itself and the cap can then be removed very quickly. The replacement of the cap is also straightforward. This tool ensures safe work and a long service life.

**Important!**

- use with socket or wrench dimension 22



SKU	D1	D1	H	H	H
619266	120	155	22	73	670

## Front windscreen wiper arm remover



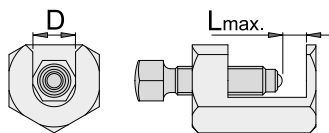
- material housing and spindle: carbon tool steel
- for removing front windscreen wiper arms
- for almost all types of cars

**Advantages:**

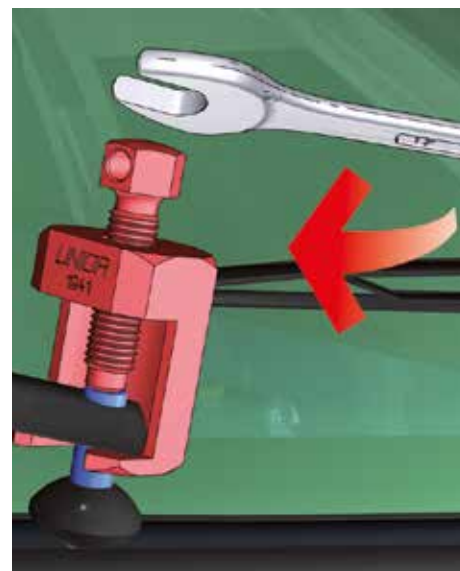
- protects plastic on housing of wiper arms

**How to use the tool:**

- This tool for the removal of the front windscreen wiper arms has a robust construction and enables the application of greater forces when removing front windscreen wiper arms that have become "glued" to the drive shaft as well as extending the service life of the tool. They are used for removing wipers that are elevated above the surface of the car body. Working with this tool is straightforward and quick.
- use with wrench dimension 17



SKU	L	D1	H
619270	120	155	670





# HAMMERS, PUNCHES AND CHISELS

## The world's first hand tools!

We can say with certainty that the hammer was the world's first tool. Nowadays, every single one of us uses it – from the housewife to the mechanic. Despite hidden developments, progress is nevertheless noticeable in the area of hammering tools. Today, there are different designs, with different characteristics, for the various possible types of work. The use is the same, but shape, weight and characteristics somewhat differ. Also today, the development of hammers has moved towards very specialised forms for special purposes, such as hammers made from plastics, hammers with a very precise weight, dead blow hammers and the like. It is continuous and comprehensive development dictated by needs and market developments.





» **SAFETY** – of the user is ensured against the metal head detaching, as there is a quality mounted handle, secured by an additional metal / steel oval wedge. Also, a hardening of the impact part prevents breaking of the metal head when properly used.

» **DEAD BLOW** – in the case of a hammer made of plastic, steel balls are inserted into the metal part of the head, which increase the impact force and prevent bounce-back from the surface.

» **VARIETY OF USES** – made possible by chisels and punches, which, together with hammers, allow for a variety of work with metal or stone.



**WHEN USING ANY TOOL,  
PROPER PRECAUTIONS MUST BE TAKEN.**

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

LOCKSMITH'S HAMMER	184
CARPENTER'S HAMMERS	184
SLEDGE HAMMERS	185
BUMPING HAMMERS	185 - 186
PUNCHES	186 - 188
CHISELS	188 - 189





## Premium Flex Plus Carbon Steel

### Efficiency and durability under considerable crushing and deformation stress

Construction and trade steels have special properties that guarantee their appropriate hardness, ductility and elasticity, as is required for tools such as setters, hammers and screw clamps, which are exposed to great force during hammering and clamping. Steels with a medium carbon content that are used to make tools have a higher carbon content, resulting in better durability. A suitable manganese content increases the tensile strength and ductility of the material, which is particularly important under high load conditions. The chrome content reduces the susceptibility to cracking, while the silicon content increases the elasticity of tool materials subjected to strong forces.

### Medium carbon steel C45R, according to EU directive 2000/53/EC and the EN 10083-2 standards:

- › 0,45% carbon for higher tensile strength and better tempering
- › 0,70% manganese for higher tensile strength and ductility
- › 0,35% chrome for higher tensile strength and lower susceptibility to cracking
- › 0,20% silicon for higher elasticity

# A special procedure for the manufacture of hammers



## Hammer

**1. Cutting:** Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

**2. Forging:** Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy and dynamic loads.

**3. Trimming:** Superfluous material around a forged part is removed using a special-purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

**4. Broaching:** The appropriate size of the hammer is achieved by broaching.

**5. Heat treatment and sanding:** Local heating and tempering of a hammer on the impact surface ensures a high degree of hardness for the functional part of Unior hammers. Annealing provides optimum microstructure and necessary hardness on impact surfaces. That ensures a long service life of hammers.

**6. Coating:** The surface is protected by electrostatic coating.

## Handle

The handle is made using selected ash tree wood with the required characteristics in accordance with the DIN 68340 standard. It is protected with wax.



## Forging part

**7. Marking of a handle:** Making the blue inscription, which also reminds the user to handle the hammer correctly.

## Assembly

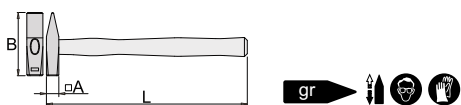
**8. Final assembly:** The trained, skilled and meticulous workers performing the final assembly will assemble the product into a solid whole that ensures the functioning and high quality of the Unior hammers.

812

## Locksmiths' hammer



- › material: premium flex plus carbon steel
- › drop forged
- › striking face and nose induction hardened
- › surface finish: lacquered
- › ash wood handle with special oval wedge
- › made according to standard DIN 1041



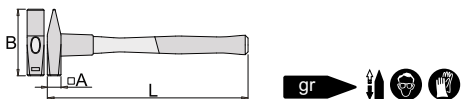
SKU	gr	A	L	B	kg
601796	100	15	260	82	145
601797	150	17,5	280	88	225
601799	200	19	280	95	280
601801	250	21	300	100	340
601802	300	22,5	300	105	380
601803	400	25	310	112	487
601804	500	27,5	320	118	625
601805	600	30	330	122	720
601806	800	33	350	130	955
601807	1000	36	360	135	1150
601809	1500	42	380	145	1690
601810	2000	47	400	155	2195

812A

## Locksmiths' hammer



- › material: premium flex plus carbon steel
- › drop forged
- › striking face and nose induction hardened
- › surface finish: lacquered
- › ash wood handle with protective plastic sleeve and fitted with roll pin and oval wedge
- › made according to standard DIN 1041



SKU	gr	A	L	B	kg
602537	300	22,5	300	105	380
602538	500	27,5	320	118	646
602539	800	33	350	130	960
603164	1000	36	360	135	1170

805A

## Carpenters' hammer with magnet



- › material: premium flex plus carbon steel
- › drop forged
- › striking face and nose induction hardened
- › surface finish: lacquered
- › chrome plated metal tubular handle with plastic grip
- › made according to standard DIN 7239

## Advantages:

- › with magnet



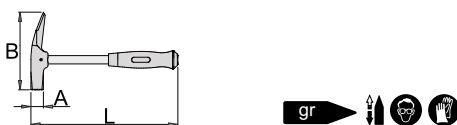
SKU	gr	A	L	B	kg
605516	550	27	320	168	825

805

## Carpenters' hammer



- › material: premium flex plus carbon steel
- › drop forged
- › striking face and nose induction hardened
- › surface finish: lacquered
- › chrome plated metal tubular handle with plastic grip
- › made according to standard DIN 7239



SKU	gr	A	L	B	kg
601824	550	27	320	168	825

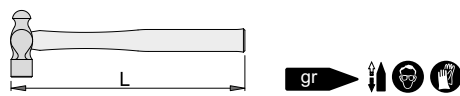


806

## Ball-peen hammer



- › material: premium flex plus carbon steel
- › drop forged
- › striking face and nose induction hardened
- › ash wood handle



SKU	gr	L	kg
612221	340	323	470
612222	454	348	605
612223	680	398	960
612224	910	398	1165

816

## Sledge hammer



- › material: premium flex plus carbon steel
- › drop forged
- › striking face and nose induction hardened
- › surface finish: lacquered
- › ash wood handle with special oval wedge
- › made according to standard DIN 1042



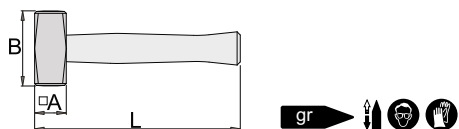
SKU	gr	A	L	B	kg
601812	3000	56	600	160	3395
601813	4000	62	700	174	4395
601814	5000	68	800	184	5595
601816	8000	80	900	208	8390



## Club hammer



- › material: premium flex plus carbon steel
- › drop forged
- › striking faces induction hardened
- › surface finish: lacquered
- › ash wood handle with special oval wedge
- › made according to standard DIN 6475

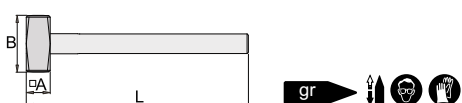


SKU	gr	A	L	B	
601840	1000	40	260	95	1065
601841	1250	43	260	100	1305
601842	1500	45	280	115	1525
601843	2000	50	300	120	2050

## Sledge hammer



- › material: premium flex plus carbon steel
- › drop forged
- › striking faces induction hardened
- › surface finish: lacquered
- › ash wood handle with special oval wedge
- › made according to standard DIN 6475



SKU	gr	A	L	B	
601844	3000	57	600	140	3455
601845	4000	62	700	150	4595
601847	5000	68	800	160	5720
601848	6000	72	800	170	6570
601849	8000	82	900	180	9195
601850	10000	85	900	200	10595

## Dead blow hammer



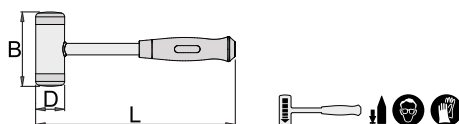
- › metal balls in the head absorb the impact
- › those granulate absorb the impact
- › lacquered metal housing
- › lacquered metal tubular handle with plastic grip
- › polyurethane faces are unchangeable
- › high security

## Advantages:

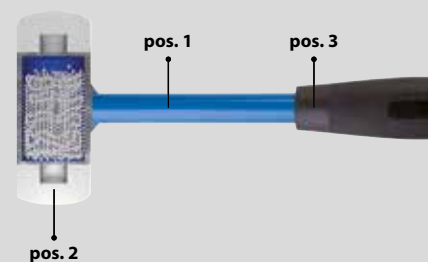
- › Advantage over an ordinary hammer is that it doesn't bounce back from the object because of the steel granulate which absorb the impact.
- › Steel balls in the hammer head prevents rebound and adds additional striking force.
- › Less handle vibration while striking!

## Usage:

- › Hammer is used for mounting ball bearings, for furniture assembly, interior and exterior lay paving.
- › Not recommended for use on sharp objects. Strike on sharp objects can damage polyurethane face of the hammer.



SKU	D	L	B	
615034	45	315	116	866
628815	55	345	114	1250



## STRUCTURE AND MATERIAL:

- › Hammer is composed of casing with handle (Pos. 1), accessory (Pos. 2), coil and filling
- › Casing with handle is made of pipe (alloyed steel) which is distinguished with great density and is resist to mechanical injuries and can take great strains. The surface is protected by powder lacquering which ensures that it is not sensitive for surface damages
- › The accessory is made out of plastic substance which is distinguished by great resilience in all weather conditions and take great strains under blow pressure
- › The coil is made of plastic material which feels pleasant to the touch and does not slip from the hand
- › It is ergonomically shaped and thus enables a good grip.

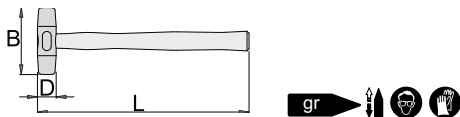
## THE WAY OF USE:

- › Hammer is used for hammering, adjustment, moving of different objects which must not be harmed. It has an advantage ahead of ordinary hammers with plastic accessory that it does not bounce on impact from surface and thus the impact of the hammer force is increased.



**820****Plastic hammer**

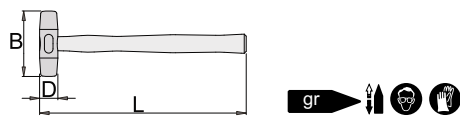
- › material: cellidor, hardness 60-70 shore D
- › oil resistant
- › grey cast head
- › wooden handle, lacquered
- › intended for working soft and easily damaged materials



SKU	D	L	B	
601832	22	260	80	165
601833	27	280	90	245
601834	32	300	100	321
601835	40	320	112	565
601836	50	360	120	830

**820A****Plastic hammer**

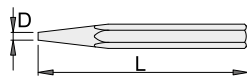
- › material: polyuretan, hardness 45 - 55 shore D
- › oil resistant
- › grey cast head
- › wooden handle, lacquered
- › very tough and unbreakable material that allows versatility of use



SKU	D	L	B	
605491	22	260	80	160
605492	27	280	90	230
605493	32	300	100	335
605494	40	320	112	535
605495	50	360	120	870

**640/6****Drift punch**

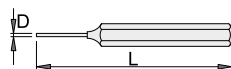
- › material: premium chrome vanadium steel
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 6458



SKU	D	L		
601702	1	120	10	64
601703	2	120	10	69
601704	3	120	10	70
601705	4	120	10	72
601706	5	120	10	73

**641/6****Pin punch**

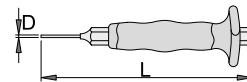
- › material: premium chrome vanadium steel
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 6450



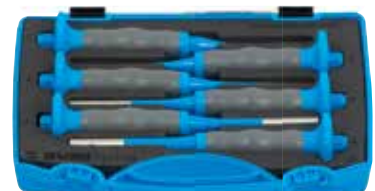
SKU	D	L		
601711	2	150	10	65
601712	3	150	10	44
601713	4	150	10	73
601714	5	150	10	73
601715	6	150	10	78
601716	7	150	12	108
601717	8	150	12	115
601719	10	150	12	126

**641/6HS****Pin punch with handle**

- › material: premium chrome vanadium steel
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › ergonomic heavy duty double component handle
- › made according to standard DIN 6450



SKU	D	L		
619759	2	150	10	81
619760	3	150	10	76
619761	4	150	10	79
619762	5	150	10	83
619763	6	150	10	86
619764	8	150	12	99

**641/6HSPB****Set of pin punches with handle in plastic box**

- › Dimension of box: 197 x 167 x 47

**Set includes:**

- › 6x pin punch with handle (article 641/6HS) dim. 2, 3, 4, 5, 6, 8

**MADE FOR WORK.**

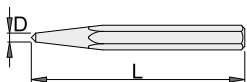
SKU		
620066	2 - 8	6

## 642/6

### Centre punch



- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7250



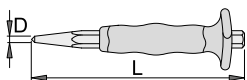
SKU	D	L		
601724	3	100	8	38
601725	4	120	10	70
601726	5	120	10	93

## 642/6HS

### Centre punch with handle



- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 7250



SKU	D	L		
620118	5	120	10	83

## 642A

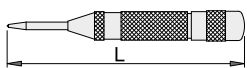
### Automatic centre punch



- machine steel
- replaceable pin, entirely hardened and tempered
- surface finish: nickel plated

#### Advantages:

- rugged self-striking mechanism, activated by downward pressure
- adjustable force



SKU		L	
616810	60 - 130	125	70

## 645

### Chisel and punch set



#### Set includes:

- 3x drift punch (article 640/6) in dim. 2, 4, 6
- 1x centre punch (article 642/6) in dim. 3
- 1x mason's chisel (article 660/6A) dim. 125
- 1x pointed chisel (article 670/6A) dim. 125

SKU	
601739	6

## 646

### Drift and centre punch set



#### Set includes:

- 5x drift punch (article 640/6) in dim. 2, 3, 4, 5, 6
- 1x centre punch (article 642/6) in dim. 3

SKU	
601737	6

## 646A

### Drift and centre punches set



#### Set includes:

- 1x drift punch (article 640/6) in dim. 4
- 2x centre punch (article 642/6) in dim. 3, 4

SKU	
620178	3

## 647

### Pin punch set



#### Set includes:

- 6x pin punch (article 641/6) dim. 2, 3, 4, 5, 6, 8)

SKU		
601738	2 - 8	6

## 647A

### Pin punches set



#### Set includes:

- 3x pin punch (article 641/6) dim. 3, 4, 5

SKU		
620176	3 - 5	3

## 647B

### Pin punches set



#### Set includes:

- 3x pin punch (article 641/6) dim. 6, 8, 10

SKU		
620177	6 - 10	3

## 642LPB

### Set of letter steel punches



- material: premium flex plus carbon steel
- surface finish: anticorrosive oiled
- Set of 27 punches with letters from A to Z and & sign
- made according to standard DIN 1451

SKU		
620945	6	1240
620946	8	1850
620947	10	2405





## 642NPB

### Set of number steel punches



- › material: premium flex plus carbon steel
- › surface finish: anticorrosive oiled
- › Set of 9 punches with numbers from 0 to 8
- › made according to standard DIN 1451

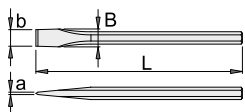
SKU		
620941	6	420
620942	8	643
620943	10	800

## 660/6

### Flat chisel



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 6453



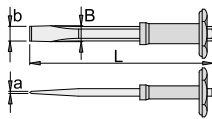
SKU	L	b x a	B	
604267	100	16 x 3	16	90
601732	150	19 x 3	19	183
604242	175	22 x 3	22	283
601733	200	25 x 3	24	388
601734	250	26 x 4	24	506

## 660/6HS

### Flat chisel with guard



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 6453



SKU	L	a x b	B	
608484	250	4 x 26	24	615

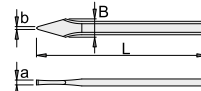


## 670/6

### Cross chisel



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 6451



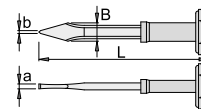
SKU	L	a x b	B	
601747	150	7 x 3	23	172
601748	200	10 x 3	28	302

## 670/6HS

### Cross chisel with guard



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 6451



SKU	L	a x b	B	
608485	250	10 x 3	30	545



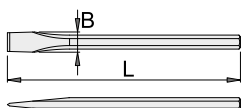
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FOR  
WORK.

## 660/6A

### Mason's chisel



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 7254



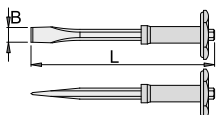
SKU	L	●	B	🔒
608554	125	10	12	76
608492	250	16	23	403
608493	300	18	26	612

## 660/6AHS

### Mason's chisel with guard



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 7254



SKU	L	●	B	🔒
608497	250	16	23	529
608498	300	18	26	758
608499	350	18	26	848

## 670/6A

### Pointed chisel



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 7256



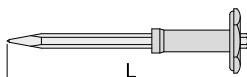
SKU	L	●	🔒
604174	250	16	390
608486	300	18	578

## 670/6AHS

### Pointed chisel with guard



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › made according to standard DIN 7256



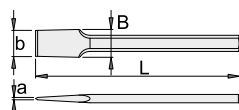
SKU	L	●	🔒
608489	250	16	532
608490	300	18	713
608491	350	18	784

## 667/6A

### Jointing chisel



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered



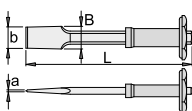
SKU	L	a x b	B	🔒
608671	250	4 x 49	49	480

## 667/6AHS

### Jointing chisel with guard



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered



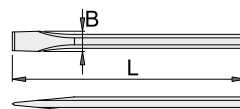
SKU	L	a x b	B	🔒
609286	250	4 x 49	49	625

## 665/6A

### Electrician's chisel



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered



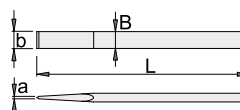
SKU	L	●	B	🔒
608500	250	8	11	110
608501	250	10	12	160

## 666/6A

### Slitting chisel



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered



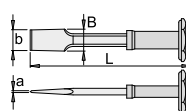
SKU	L	a x b	B	🔒
603477	240	3 x 28	28	315

## 666/6AHS

### Slitting chisel with guard



- › material: premium chrome vanadium steel
- › drop forged
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered



SKU	L	a x b	B	🔒
608503	240	3 x 28	28	459





# WORKSHOP EQUIPMENT

**An orderly working environment has never been more important than today!**

If it was once considered that it was only important for a true artisan to have their own workshop, now it is considered that the workshop should also be comprehensively arranged and designed. Care for a well-kept workspace is becoming crucial, as working environments are these days often in the public eye. This is why we offer comprehensive solutions at Unior; from workshop design to layout and equipment, that can be 100% adapted to an individual's needs and wishes.





» **LOAD CAPACITY** – trolleys and other workshop equipment are characterised by high permissible dynamic and static load, which is the result of the selection of high-quality sheet metal, and precise execution and installation.

» **TRANSPARENCY** – trolleys and other workshop equipment have 100% pull-out drawers, which together with the inserts give the user a complete overview of the tools stored in the drawers.

» **COMPLETENESS** – a wide range of diverse products allows individual users, service centres or industrial workshops to set up equipment that fully meets the needs of the user. You can also set up your dream workshop in the configurator application.

TOOL CARRIAGES	196 - 213
WORK BENCHES	214 - 235
LEAN MANUFACTURING SYSTEM	217 - 221
TOOL CHESTS	236 - 237
TOOL BOXES	238 - 241
TOOL CABINETS	242 - 243
TOOL CASES AND BAGS	243 - 244
MERCHANDISERS	245



## Unior 3D Configurator – for full realisation of your wishes and needs, for a tidy working environment!

Therefore, we at Unior have developed the so-called 3D Configurator, which enables our craftsmen and other home users to draw up and customise the workspace according to their wishes and needs. In addition to individually adapted solutions, safety is also crucial, which is made possible by locking in place the work surfaces themselves and organisation of the drawer inserts.

Unior 3D configurator is a perfect tool for setting up your workshop in 3D. It provides our partners and customers with easier and more transparent shopping experience. It is simple to use while providing you with all necessary designing tools.



### Configurator for business public

We have developed special licensed version of the Unior 3D Configurator for our business partners.

As registered users they can export the project past so-called "Ticketing" system and prepare an offer directly to the customer. It gives sales personnel possibility to give their customers completed offer which will include 3D layout of their future shop.

For more information visit [www.uniortools.com](http://www.uniortools.com)





**UNIOR**  
HAND TOOLS



IT IS INTENDED FOR  
END USERS AND FOR  
DISTRIBUTORS.



FREE  
LIFETIME USE.



ENABLES SETTING UP  
A PRECISE 3D REPLICA  
OF YOUR AVAILABLE  
SPACE.



ALL WORKSHOP  
EQUIPMENT IN 1:1  
SCALE.



EASY  
TO USE.



POSSIBLE EXPORT  
OF LAYOUT AND LIST  
OF ITEMS TO YOUR  
COMPUTER.

*Try Unior 3D Configurator today and be among the first to experience completely customized and uniquely designed workspace!*



**MADE  
FOR  
WORK.**

**Premium<sup>+</sup>**  
**QualiCoat**

### **Premium Plus sheet - excellent mechanical properties!**

Unior carts and worktops are designed so that the tool is clearly at hand, and its storage is efficient and safe. Carts and counters are made of cold-rolled sheet metal, of superior quality, and its features are surface smoothness and improved thickness tolerance. High-quality sheet metal and construction details, such as optimal reinforcements on the more heavily loaded parts, ensure greater stability.

### **Qualicoat - friendly to the environment and people!**

Unior products are protected against corrosion. High-quality epoxy ECO paints are applied to them by powder coating, which are environmentally friendly, do not contain heavy metals and are harmless to humans. All this is also proven by the certificate of the International Institute for Public Health. The color coating, with a thickness of around 90 microns, ensures excellent mechanical properties and exceptional resistance to weather influences.



# A special procedure for the manufacture of the carriage

**1. Housing manufacture:** The cover, bottom, left pillar, right pillar and black wall are first stamped out from a reel on a CNC stamping machine, then bent on a CNC bending machine.

**2. Manufacture of wheel holders and handle reinforcement:** The wheel holder is first cut with shears, bent on a tool (in two stages), pierced and threaded for wheels. The handle brace is stamped out from a reel on a CNC stamping tool, then bent on a CNC bending machine and riveted onto the left pillar.

**3. Housing welding:** Then all the elements are loaded into a robotic cell for housing welding and the entire housing is welded before being transported for varnishing.

## Drawer production

Drawer 70 is stamped out from a reel on a CNC stamping machine, then bent on a CNC bending machine, pressed on a tool and spot welded using a spot welding device. The drawer is thus ready for coating.

Drawer 160 is stamped out from a reel on a CNC stamping machine, then bent twice on a CNC bending machine, pressed on a tool and spot welded using a spot welding device. The drawer is thus ready for coating.

A lifting rod is cut out with a laser on a laser cutting machine, pressed on a tool, bent on a CNC bending machine and then transported for coating. After coating, all the elements are ready for the ASSEMBLY of the carriage, which is carried out on the assembly line.

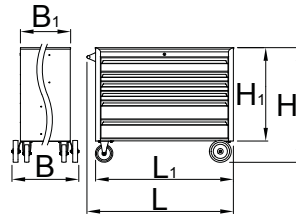
### The assembly includes the following actions:

- › Serigraphy of the drawers
- › Assembly of the drawers (the lifting rod and guides are riveted to the drawer and a synthetic lining is inserted)
- › Serigraphy of the housing
- › Placing the synthetic lining and border onto the carriage cover
- › Assembly of the lock and the locking mechanism
- › Riveting the guides onto the housing
- › Inserting the drawers
- › Examining the carriage and inserting the wheels and handles into the drawer
- › Packaging the carriage in Styrofoam using a special packaging device
- › Final packed products





## Tool carriage Jumbo



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- › oil and acid resistant casters of a diameter of 160mm, two with brake, which blocks spinning and swiveling of the caster, fixed casters of diameter 200mm
- › full extension drawers with top quality ball-bearing slides
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › drawers with non-slip interior synthetic lining
- › coated with eco colour of Qualicoat quality standard
- › 6 front drawers (1x L 1126 x W 570 x H 110mm, 3x L 1126 x W 570 x H 70mm, 2x L 1126 x W 605 x H 150mm)
- › basic dimensions with handle and casters L 1337 x W 825 x H 1047 mm
- › total volume of drawers: 400 litres
- › static load capacity of carriages without casters: 2300 kg
- › dynamic load capacity of carriages: 600 kg
- › capacity of front drawers: 90 kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

### Advantages:

- › extra large working surface 1250 x 670 mm
- › extra large drawers
- › upper working surface with raised edges of 35mm in height, which is meant to contain tools and working items
- › big casters enable easy moving of carriage
- › model with drawers
- › The increased depth of the top drawer enables to store all sockets, including long sockets, in an upright position. This gives maximum space efficiency and increases the number of tools that can be stored in the drawer compared to traditional shallow drawers. In an upright position can be stored all tools in larger dimensions till maximum height of 110mm.



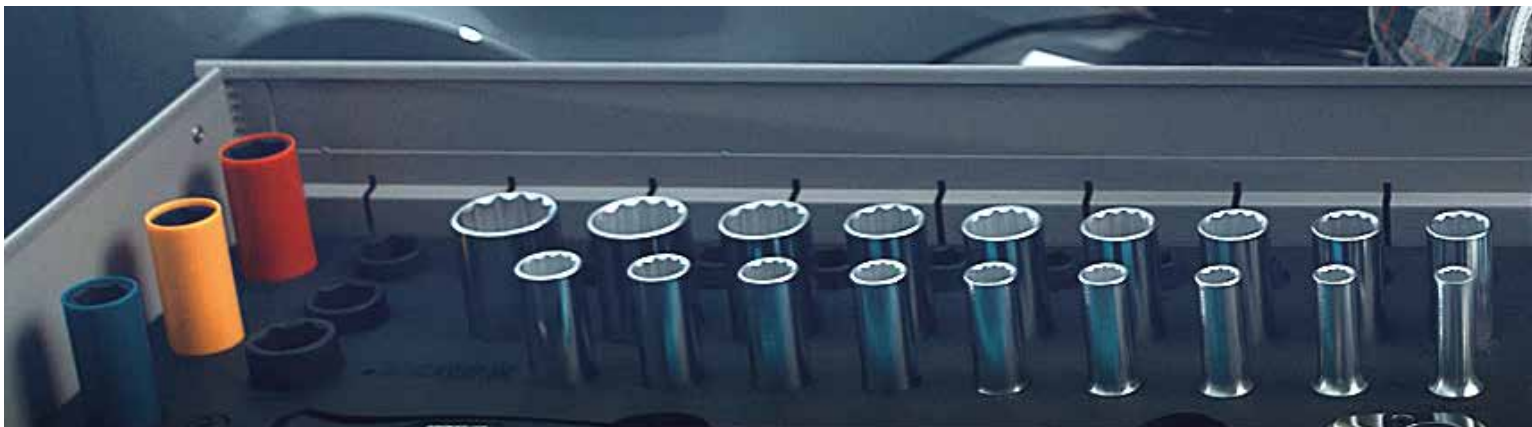
SKU	L	L1	L2	B	B1	H	H1	
628931	1337	1258	1080	825	680	1047	856	156500



160 mm

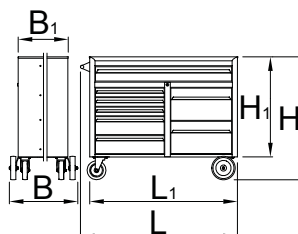


200 mm





## Tool carriage Jumbo



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- › oil and acid resistant casters of a diameter of 160mm, two with brake, which blocks spinning and swiveling of the caster, fixed casters of diameter 200mm
- › full extension drawers with top quality ball-bearing slides
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › drawers with non-slip interior synthetic lining
- › coated with eco colour of Qualicoat quality standard
- › 8 front drawers (1x L 1126 x W 570 x H 110mm, 3x L 563 x W 570 x H 70mm, 2x L 563 x W 605 x H 150mm, 2x L 484 x W 605 x H 265mm)
- › basic dimensions with handle and casters L 1337 x W 825 x H 1047 mm
- › total volume of drawers: 400 litres
- › static load capacity of carriages without casters: 2300 kg
- › dynamic load capacity of carriages: 600 kg
- › capacity of front drawers: 90 kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

### Advantages:

- › extra large working surface 1250 x 670 mm
- › upper working surface with raised edges of 35mm in height, which is meant to contain tools and working items
- › include extra large drawer
- › big casters enable easy moving of carriage
- › model with drawers
- › The increased depth of the top drawer enables to store all sockets, including long sockets, in an upright position. This gives maximum space efficiency and increases the number of tools that can be stored in the drawer compared to traditional shallow drawers. In an upright position can be stored all tools in larger dimensions till maximum height of 110mm.



SKU	L	L1	L2	B	B1	H	H1	
628932	1337	1258	1080	825	680	1047	856	140400



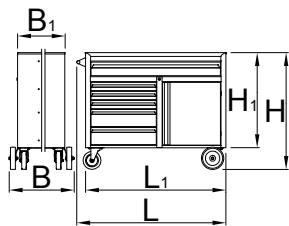
160 mm



200 mm



Tool carriage Jumbo



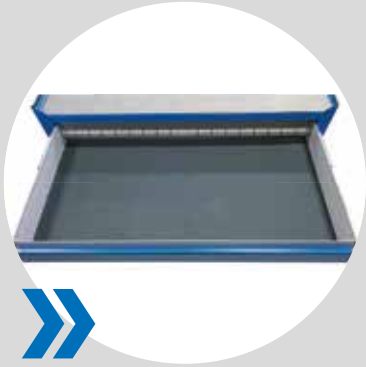
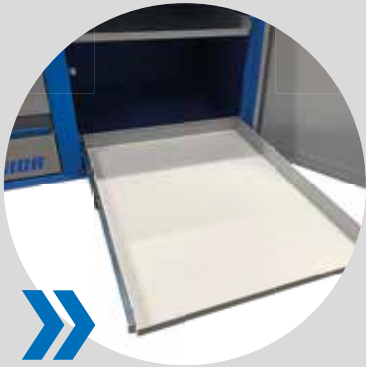
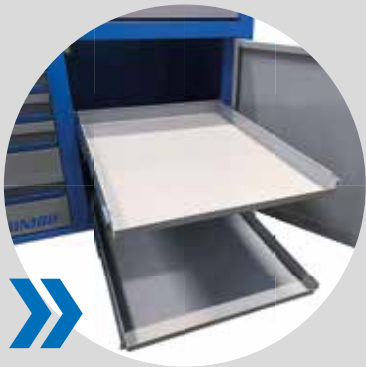
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- › oil and acid resistant casters of a diameter of 160mm, two with brake, which blocks spinning and swiveling of the caster, fixed casters of diameter 200mm
- › full extension drawers with top quality ball-bearing slides
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › drawers with non-slip interior synthetic lining
- › coated with eco colour of Qualicoat quality standard
- › 6 front drawers (1x L 1126 x W 570 x H 110mm, 3x L 563 x W 570 x H 70mm, 2x L 563 x W 605 x H 150mm)
- › basic dimensions with handle and casters L 1337 x W 825 x H 1047 mm
- › total volume of drawers: 322 litres
- › static load capacity of carriages without casters: 2300 kg
- › dynamic load capacity of carriages: 600 kg
- › capacity of front drawers: 90 kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- › extra large working surface 1250 x 670 mm
- › upper working surface with raised edges of 35mm in height, which is meant to contain tools and working items
- › include extra large drawer
- › big casters enable easy moving of carriage
- › model with drawers and cabinet with two pullout shelves
- › The increased depth of the top drawer enables to store all sockets, including long sockets, in an upright position. This gives maximum space efficiency and increases the number of tools that can be stored in the drawer compared to traditional shallow drawers. In an upright position can be stored all tools in larger dimensions till maximum height of 110mm.



SKU	L	L1	L2	B	B1	H	H1	
626250	1337	1258	1080	825	680	1047	856	156000



MADE  
FOR  
WORK.

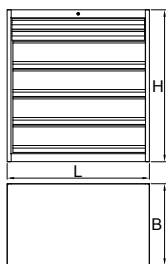


## 991HD

### Heavy duty drawer cabinet



- heavy duty and durable cabinet construction
- cabinet dimensions: L1221 × W700 × H1304 mm
- 6 drawers: 2 in size L1106 × W596 × H72 mm with capacity 90 kg and 4 in size L1106 × W596 × H198 mm with capacity 180 kg
- total drawer volume: 522 liters
- 100% extension drawers with high quality ball bearing slides
- central locking system with a lock and folding key
- block safety system prevents simultaneous opening of more than one drawer. When one drawer is opened, all other drawers are locked and cannot be opened, which prevents drawer from tipping over.
- customization – divide drawers with the use of partitions and dividers according to your needs
- made of premium PLUS sheet metal
- painted with eco colors of Qualicoat quality standard



SKU	L	B	H	🔒
628257	1121	700	1304	215000



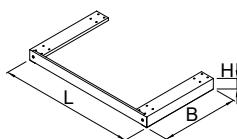
## 991HD.BASE

### Heavy duty tool chest underbase

**\*NEW**



- material: premium PLUS sheet metal
- Underbase for heavy duty drawer cabinet can be mounted under the cabinet in order to raise the cabinet from the floor and enables it to be moved by forklift of pallet carrier.

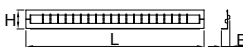


SKU	L	B	H
628824	1218	8800	697



## 991.1HDS

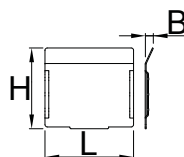
### Set of partitions for 991HD small drawer, 3 pieces



SKU	L	B	H	🔒
628266	596	28.2	63	1150

## 991.11HDS

### Set of dividers for 991HD small drawer, 5 pieces

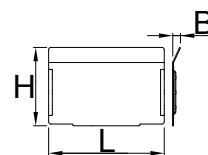


SKU	L	B	H	🔒
628267	74.7	7	68	162



## 991.12HDS

### Set of dividers for 991HD small drawer, 5 pieces



SKU	L	B	H	🔒
628268	100.5	7	68	220

## 991.13HDS

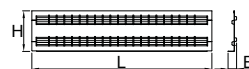
### Set of dividers for 991HD small drawer, 5 pieces



SKU	L	B	H	🔒
628269	152	7	68	339

## 991.2HDS

### Set of partitions for 991HD big drawer, 3 pieces

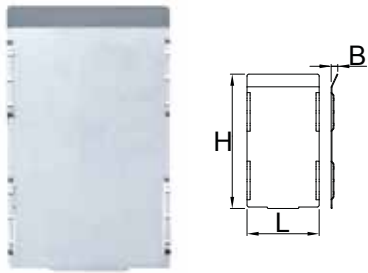


SKU	L	B	H	🔒
628270	596	28	134	2147



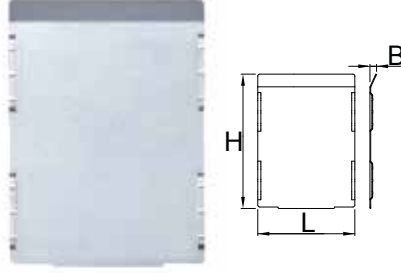
## 991.21HDS

Set of dividers for 991HD big drawer, 5 pieces



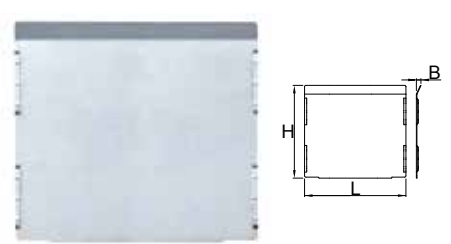
## 991.22HDS

Set of dividers for 991HD big drawer, 5 pieces



## 991.23HDS

Set of dividers for 991HD big drawer, 5 pieces



SKU	L	B	H	
628271	74.4	7	139	332

SKU	L	B	H	
628272	100.5	7	139	450

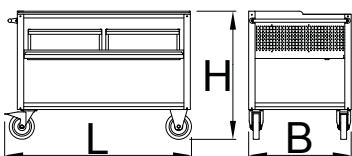
SKU	L	B	H	
628273	152	7	139	696

## 991LMS.T1

Service Trolley



- Save yourself the unnecessary carrying of heavy loads or inserts. The service trolley with 300 kg of load capacity allows the transport of two inserts on trays and other equipment at the same time, which will optimize your work process.
- material: premium PLUS sheet metal
- for transporting two trays containing SOS inserts which we place in a drawer, and two storage surfaces for transporting various parts, with the total carrying capacity of 300kg
- casters of 200mm in diameter with roller bearings
- handle for easier handling around an area
- upper working surface with raised edges of 25mm in height, which is meant to contain tools and working items
- the drawer can hold two metal trays with foam inserts and can be pulled out, enabling easy access to the tools
- capacity of drawer: 30 kg
- coated with eco colour of Qualicoat quality standard



SKU	L	B	H	L1	H1	
628540	1350	800	1000	1423	767	123000



# Exceptional design for high level work-flow!



**LMS**  
lean manufacturing system by UNIOR

## LEAN MANUFACTURING SYSTEM

Unior »Lean Manufacturing system« is a new line of products that creates a structured, optimized workflow and enables a well-organized workspace. The LMS system enables storing, charging, transport and the use of battery charged or regular hand tools, spare parts, documents and other materials and documents, used in your production line. The LMS has been designed along the 5S methodology, the five S being taken from five Japanese principles: Seiri – separate, seiton – organize, seiso – clean, seiketsu – standardize, shitsuke – sustained usage). The purpose of the 5S system is to create a higher level of the work process without losses or bottlenecks at each workplace.

991LMS.C1

Cabinet organizer for documents



- › The cabinet organizer for documents is an ideal solution for systematically organized documentation, safely stored behind see-through doors for extra visibility. It features four adjustable shelves and a wide-open door option. Its walls are perforated, which allows the installation of additional accessories that will make the space additionally optimized.
- › material: premium PLUS sheet metal
- › door locked with lock and folding key
- › plexiglass door for viewing the cabinet interior
- › the doors open 180°
- › unlocked doors are held by magnets
- › includes 4 shelves which can be customised on 9 vertical positions
- › the shelves basically have spacing of 342mm
- › the bottom of cabinet serves as the fifth, fixed shelf
- › the shelves are reinforced
- › the side parts of the cabinet in the upper part are perforated for attaching accessories
- › the cabinet bottom is made in such way that it allows the cabinet to be moved with standard transport equipment such as forklifts and hand pallet trucks
- › basic dimensions of cabinet L 770 x W 430 x H 2052mm
- › coated with eco colour of Qualicoat quality standard



SKU	L	B	H	
628541	770	430	2052	80000



991LMS.C2

Cabinet organizer for tool trays



- › Cabinet organizer for tool trays with nine shelves allows a visible and structured way of storing tools. The trays are slanted for visibility purposes, but can also be mounted in a horizontal position. The trays fit the standard 3/3 inserts with slots for various hand tools. The trays fit the trolleys and are easily replaceable.
- › material: premium PLUS sheet metal
- › door locked with lock and folding key
- › plexiglass door for viewing the cabinet interior
- › the doors open 180°
- › unlocked doors are held by magnets
- › includes 9 shelves at a 20° angle for a better overview of the tools in SOS inserts
- › 9 metal trays for storage and transport of 3/3 SOS foam trays are included in delivery of the cabinet
- › a shelf with a front edge for limiting the tray
- › the shelves basically have spacing of 170mm
- › the shelves are reinforced
- › the side parts of the cabinet in the upper part are perforated for attaching accessories
- › the cabinet bottom is made in such way that it allows the cabinet to be moved with standard transport equipment such as forklifts and hand pallet trucks
- › basic dimensions of cabinet L 770 x W 430 x H 2052mm
- › coated with eco colour of Qualicoat quality standard



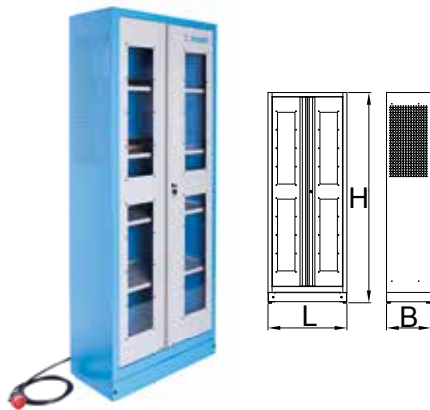
SKU	L	B	H	
628542	770	430	2052	116000



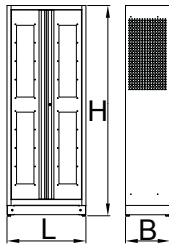


## 991LMS.PS1

### Tool charging station



- The charging station has direct connection to the power grid. With four shelves, it allows you to charge battery tools or connect other electrical accessories, such as your phone, laptop, and other smart devices. It is an indispensable element of a modern workshop.
- material: premium PLUS sheet metal
- door locked with lock and folding key
- plexiglass door for viewing the cabinet interior
- the doors open 180°
- unlocked doors are held by magnets
- includes 4 shelves, the upper 2 are fixed, the lower two are adjustable
- the upper two shelves are designed for charging batteries and smart devices. Each include a bank of twelve main outlets.
- the upper shelves are perforated for extracting hot air
- the shelves are reinforced
- the side parts of the cabinet in the upper part are perforated for an easier extraction of hot air. Perforation serves as a means to attach accessories
- the cover contains a plate with the mains switch, protective switches for the splitters and a thermostat, which can be regulated between 0 and 60 °C
- the cover also contains a ventilator allowing the air to flow at 160 m<sup>3</sup>/h, which is activated at the set temperature and removes hot air from the cabinet, it includes a protective mesh netting and filter at the front, and the cover above the ventilator contains perforation for removing air
- main plugin cable, length of 5 m, 5x16 A 400 V
- the cables are hidden in ducts
- all electronics are marked with appropriate stickers
- all cabinet parts are grounded
- the cabinet bottom is made in such way that it allows the cabinet to be moved with standard transport equipment such as forklifts and hand pallet trucks
- basic dimensions of cabinet L 770 x W 430 x H 2052mm
- coated with eco colour of Qualicoat quality standard

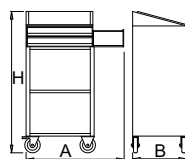


## 994

### Mobile control trolley



- material: premium PLUS sheet metal
- working surface with mobile durable plate with buckle, size landscape A3
- raised edge for preventing plate slippage
- mobile phone stand
- holes for pen storage
- deepened storage surface for accessories
- 2 drawers L 563 x W 365 x H 70mm
- drawers can be modified with partitions set 940ES3A or 940ES3
- 2 storage surfaces in the lower part of the trolley
- ergonomic handle
- central locking system with a lock and folding key
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- basic dimensions with handle and casters L 770 x W 460 x H 1252mm
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3



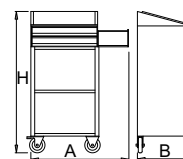
SKU	L	L1	B	B1	H	H1	
612208	770	673	460.5	440	1252	1125	39000

## 994-BLACK

### Mobile desk



- material: premium PLUS sheet metal
- working surface with mobile durable plate with buckle, size landscape A3
- raised edge for preventing plate slippage
- mobile phone stand
- holes for pen storage
- deepened storage surface for accessories
- 2 drawers L 563 x W 365 x H 70mm
- drawers can be modified with partitions set 940ES3A or 940ES3
- 2 storage surfaces in the lower part of the trolley
- ergonomic handle
- central locking system with a lock and folding key
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- basic dimensions with handle and casters L 770 x W 460 x H 1252mm
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3



SKU	L	L1	B	B1	H	H1	
628215	770	673	460.5	440	1252	1125	47500

## 991LMS.S1

### Storage&transport metal tray



- A metal tray for a standard 3/3 insert allows storage and transfer of tools from the cabinet to the trolley or vice versa; exactly where you need it.
- material: premium PLUS sheet metal
- the sides hold back larger holes as handles with a plastic edge for an easier grip
- metal tray compatible with Unior 3/3 tool trays
- coated with eco colour of Qualicoat quality standard

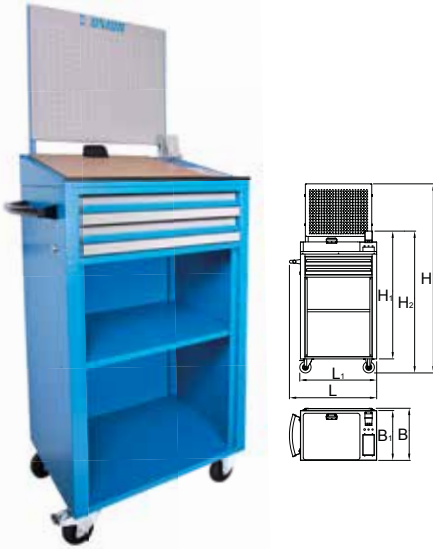


SKU	L	B	H	
628543	770	430	2052	90000

SKU	L	B	H	
628544	565	367	90	2340

## 994W

### Mobile control trolley with tool rack wall



- › This mobile, adjustable, safe and stable trolley with a perforated wall ensures that you won't have to take any unnecessary transport routes during your work. It provides a tidy workplace, excellent accessibility to resources, basic tools and documentation. The perforated wall allows the installation of additional storage elements and improves the visibility of the workplace. The mobile control trolley features a portable work surface, and item security is ensured by a locking system. It is useful in workshops, production and everywhere in lean manufacturing (LMS).
- › material: premium PLUS sheet metal
- › working surface with mobile durable plate with buckle, size landscape A3
- › raised edge for preventing plate slippage
- › mobile phone stand
- › holes for pen storage
- › deepened storage surface for accessories
- › 2 drawers L 563 x W 365 x H 70mm
- › drawers can be modified with partitions set 940ES3A or 940ES3
- › 2 storage surfaces in the lower part of the trolley
- › ergonomic handle
- › basic dimensions with handle and casters L 770 x W 460 x H 1669 mm
- › central locking system with a lock and folding key
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › maximum capacity of each drawer: 45kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › perforated back for hanging tools with standard Unior perforation



## 994WD

### Mobile control trolley with tool rack wall and door



- › This mobile, adjustable, safe and stable trolley with a perforated wall and door ensures that you won't have to take any unnecessary transport routes during your work. It provides a tidy workplace, excellent accessibility to resources, basic tools and documentation. The perforated wall allows the installation of additional storage elements and improves the visibility of the workplace. The mobile control trolley features a portable work surface, and item security is ensured by a locking system and doors. It is useful in workshops, production and everywhere in lean manufacturing (LMS).
- › material: premium PLUS sheet metal
- › working surface with mobile durable plate with buckle, size landscape A3
- › raised edge for preventing plate slippage
- › mobile phone stand
- › holes for pen storage
- › deepened storage surface for accessories
- › 2 drawers L 563 x W 365 x H 70mm
- › drawers can be modified with partitions set 940ES3A or 940ES3
- › 2 storage surfaces in the lower part of the trolley
- › ergonomic handle
- › basic dimensions with handle and casters L 770 x W 460 x H 1669 mm
- › central locking system with a lock and folding key
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › basic dimensions with handle and casters L 770 x W 460 x H 1252mm
- › maximum capacity of each drawer: 45kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › perforated back for hanging tools with standard Unior perforation
- › door with a lock and folding key



## 994.1

### Door for 994



SKU	L	B	A	
628373	589	694.7	26	5400

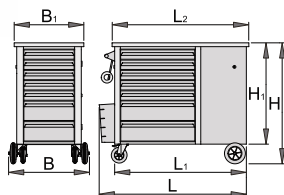


SKU	L	L1	B	B1	H	H1	H2	
628371	770	673	460.5	440	1669	1125	1252	45000

SKU	L	L1	B	B1	H	H1	H2	
628372	770	673	460.5	440	1669	1125	1252	50000

## 940H1

### Tool carriage Hercules



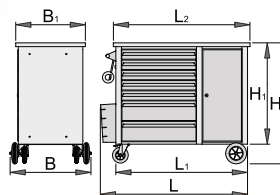
- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant wheels of a diameter of 125mm, two with brake, which blocks spinning and rotating of the wheel
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- coated with eco colour of Qualicoat quality standard
- 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- 7 side drawers (5x L 374 x W 364 x H 70mm, 2x L 374 x W 364 x H 150mm)
- basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- total volume of drawers: 215 litres
- wooden worktop
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 550 kg
- capacity of side drawers: 25 kg
- capacity of front drawers: 45 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

#### Advantages:

- Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock

## 940H2

### Tool carriage Hercules



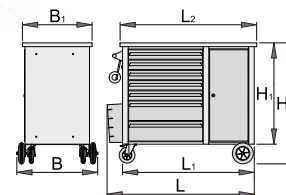
- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 125mm, two with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- coated with eco colour of Qualicoat quality standard
- 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- total volume of drawers: 133 litres
- door with lock
- wooden worktop
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 550 kg
- capacity of front drawers: 45 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

#### Advantages:

- Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock

## 940H2BLOCK

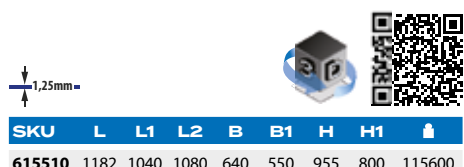
### Tool carriage Hercules with block system



- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- oil and acid resistant casters of a diameter of 125mm, two with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- total volume of drawers: 133 litres
- door with lock
- wooden worktop
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 550 kg
- capacity of front drawers: 45 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

#### Advantages:

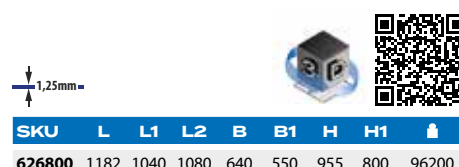
- Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock



SKU	L	L1	L2	B	B1	H	H1	
615510	1182	1040	1080	640	550	955	800	115600



SKU	L	L1	L2	B	B1	H	H1	
615511	1182	1040	1080	640	550	955	800	96200



SKU	L	L1	L2	B	B1	H	H1	
626800	1182	1040	1080	640	550	955	800	96200



## 940H2-BLACK

### Tool carriage Hercules



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 125mm, two with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › drawers with non-slip interior synthetic lining
- › coated with eco colour of Qualicoat quality standard
- › 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- › basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- › total volume of drawers: 133 litres
- › door with lock
- › wooden worktop
- › static load capacity of carriages without casters: 2300 kg
- › dynamic load capacity of carriages: 550 kg
- › capacity of front drawers: 45 kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

#### Advantages:

- › Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- › As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock

## 940H3

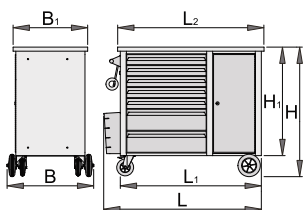
### Tool carriage Hercules



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 125mm, two with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- › basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- › total volume of drawers: 133 litres
- › one side with shelves
- › wooden worktop
- › static load capacity of carriages without casters: 2300 kg
- › dynamic load capacity of carriages: 550 kg
- › capacity of front drawers: 45 kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

#### Advantages:

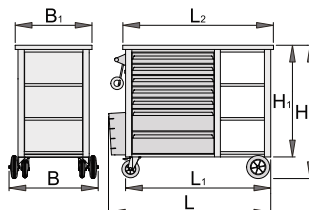
- › Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- › As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock



1,25mm



SKU	L	L1	L2	B	B1	H	H1	
628212	1182	1040	1080	640	550	955	800	96200



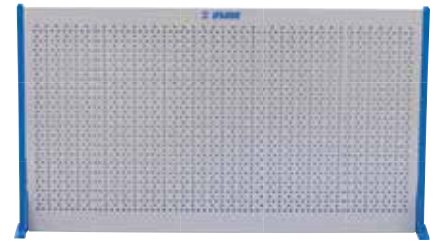
1,25mm



SKU	L	L1	L2	B	B1	H	H1	
615512	1182	1040	1080	640	550	955	800	94200

## 940.1H

### Tool rack wall for 940H



- › possibility to fit with tool carriage Hercules

SKU	L	B	H	
621442	608	120	608	9600

## 940HS5

### Spray holder for 940H



- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
626881	511	76	50	766



## 940.2H

### Back door for 940H



- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

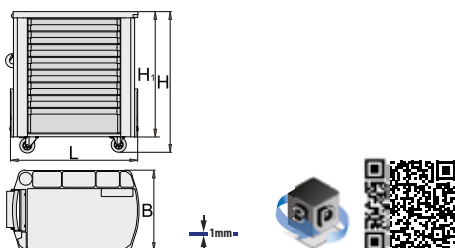
SKU	L	B	H	
626882	600	22	725	4600

## 92OPLUS1

### Tool carriage Europlus



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › uniform closing mechanism for drawers with closing hooks
- › multi - purpose shelf enables additional working place
- › oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- › corners protected with anti-shock rubber
- › full extension drawers with top quality ball-bearing slides
- › drawers with non-slip interior synthetic lining
- › 8 drawers (7 x L 565 x W 365 x H 70mm, 1 x L 565 x W 385 x H 150mm)
- › static load capacity of carriages without casters: 2000 kg
- › dynamic load capacity of carriages: 500 kg
- › maximum capacity of each drawer: 45kg
- › basic dimensions with handle and casters L 810 x W 510 x H 945mm
- › coated with eco colour of Qualicoat quality standard
- › total volume of drawers: 132 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › wide range of accessories



SKU	L	B	H	H1	
617100	810	510	945	796	72200

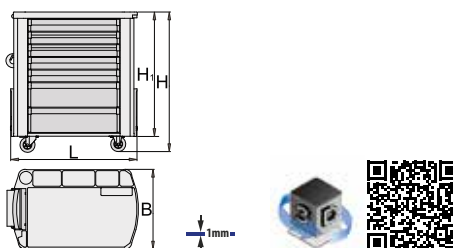


## 92OPLUS2

### Tool carriage Europlus



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › uniform closing mechanism for drawers with closing hooks
- › multi - purpose shelf enables additional working place
- › oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- › corners protected with anti-shock rubber
- › full extension drawers with top quality ball-bearing slides
- › drawers with non-slip interior synthetic lining
- › 7 drawers (5 x L 565 x W 365 x H 70 mm, 2 x L 565 x W 385 x H 150 mm)
- › basic dimensions with handle and casters L 810 x W 510 x H 945mm
- › static load capacity of carriages without casters: 2000 kg
- › dynamic load capacity of carriages: 500 kg
- › maximum capacity of each drawer: 45kg
- › coated with eco colour of Qualicoat quality standard
- › total volume of drawers: 137 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › wide range of accessories



SKU	L	B	H	H1	
617101	810	510	945	796	75600



## 92OES3

### Partitions set- 4 pieces for 920PLUS



- › material: premium sheet metal



SKU	L	H	
617823	383	60	709

## 92OES4A

### Paper holder - maxi roll for 920PLUS



- › from metal
- › delivery without hand towels
- › for paper roll max. dia. 300 mm and length 240 mm

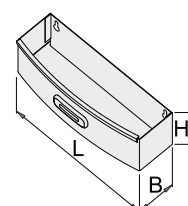
SKU	
619446	359

## 92OES7

### Holder for bottles for 920PLUS



- › material: premium sheet metal



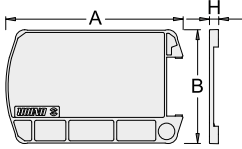
SKU	L	B	H	
621019	267	90	85	573

## 920ES8

### ABS plate for 920PLUS



› material polystyrene



SKU	A	B	H	
619525	796	510	40	1260



## 940EV1

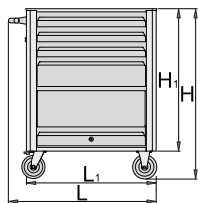
### Tool carriage Eurovision



- › material: premium PLUS sheet metal
- › blind nuts for fixing accessories are mounted on the carriage.
- › lifting door with locking system
- › static load capacity of carriage without casters: 1600kg
- › maximum capacity of each drawer: 45kg
- › 4 drawers (3x L 563 x W 365 x H 70mm, 1x L 563 x W 410 x H 150mm)
- › basic dimensions with handle and casters L 800 x W 440 x H 923mm
- › total volume of drawers: 76 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › wide range of accessories

#### Advantages:

- › coated with eco colour of Qualicoat quality standard
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › Drawer closing mechanism prevents unwanted opening of drawers.
- › drawers with non-slip interior synthetic lining
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- › dynamic load capacity of carriages: 500 kg
- › full extension drawers with top quality ball-bearing slides



SKU	L	B	H	L1	H1	
619884	800	440	923	700	768	44800



## 940EV3

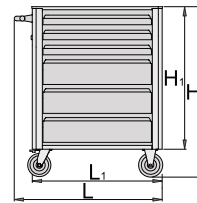
### Tool carriage Eurovision



- › material: premium PLUS sheet metal
- › blind nuts for fixing accessories are mounted on the carriage.
- › static load capacity of carriage without casters: 1600kg
- › maximum capacity of each drawer: 45kg
- › 6 drawers (3x L 563 x W 365 x H 70mm, 3x L 563 x W 383 x H 150mm)
- › basic dimensions with handle and casters L 800 x W 440 x H 923mm
- › total volume of drawers: 146 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › wide range of accessories

#### Advantages:

- › coated with eco colour of Qualicoat quality standard
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › drawer closing mechanism prevents unwanted opening of drawers
- › drawers with non-slip interior synthetic lining
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- › dynamic load capacity of carriages: 500 kg



SKU	L	B	H	L1	H1	
621436	800	440	923	700	768	51000





## 940EV4

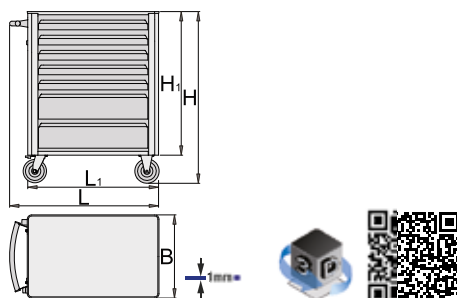
### Tool carriage Eurovision



- › material: premium PLUS sheet metal
- › wide range of accessories
- › blind nuts for fixing accessories are mounted on the carriage.
- › static load capacity of carriage without casters: 1600kg
- › maximum capacity of each drawer: 45kg
- › 7 drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- › basic dimensions with handle and casters L 800 x W 440 x H 923mm
- › total volume of drawers: 140 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

#### Advantages:

- › coated with eco colour of Qualicoat quality standard
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › drawer closing mechanism prevents unwanted opening of drawers
- › drawers with non-slip interior synthetic lining
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- › dynamic load capacity of carriages: 500 kg



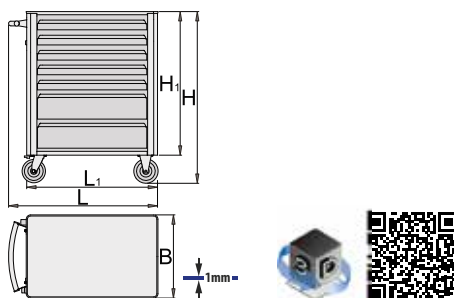
SKU	L	B	H	L1	H1	
619885	800	440	923	700	768	57000

## 940EV4BLOCK

### Tool carriage Eurovision with BLOCK safety system



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- › oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › full extension drawers with top quality ball-bearing slides
- › drawers with non-slip interior synthetic lining
- › drawer closing mechanism prevents unwanted opening of drawers
- › wide range of accessories
- › coated with eco colour of Qualicoat quality standard
- › blind nuts for fixing accessories are mounted on the carriage.
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 500 kg
- › maximum capacity of each drawer: 45kg
- › 7 drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- › basic dimensions with handle and casters L 800 x W 440 x H 923mm
- › total volume of drawers: 140 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3



SKU	L	B	H	L1	H1	
625000	800	440	923	700	768	57000

## 940EV6

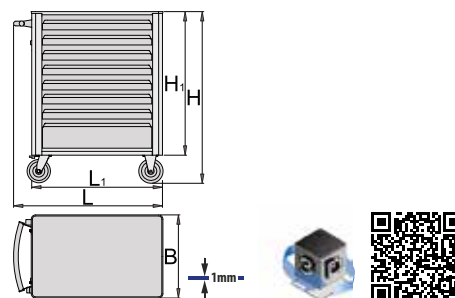
### Tool carriage Eurovision



- › material: premium PLUS sheet metal
- › possibility to add accessories
- › blind nuts for fixing accessories are mounted on the carriage.
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 500 kg
- › maximum capacity of each drawer: 45kg
- › 8 drawers (7x L 563 x W 365 x H 70mm, 1x L 563 x W 383 x H 150mm)
- › basic dimensions with handle and casters L 800 x W 440 x H 923mm
- › total volume of drawers: 135 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

#### Advantages:

- › coated with eco colour of Qualicoat quality standard
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › drawer closing mechanism prevents unwanted opening of drawers
- › drawers with non-slip interior synthetic lining
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster



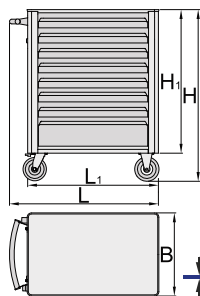
SKU	L	B	H	L1	H1	
619886	800	440	923	700	768	60000

## 940EV7BLOCK

**Tool carriage Eurovision with BLOCK safety system**



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- › oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- › opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- › full extension drawers with top quality ball-bearing slides
- › drawers with non-slip interior synthetic lining
- › drawer closing mechanism prevents unwanted opening of drawers
- › wide range of accessories
- › coated with eco colour of Qualicoat quality standard
- › blind nuts for fixing accessories are mounted on the carriage.
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 500 kg
- › maximum capacity of each drawer: 45kg
- › 6 drawers (4 x L 563 x W 365 x H 70 mm, 1 x L 563 x W 383 x H 150 mm, 1 x L 563 x W 383 x H 230 mm)
- › basic dimensions with handle and casters L 800 x W 440 x H 923mm
- › total volume of drawers: 145 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3



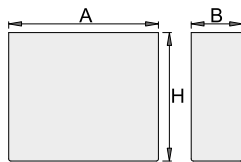
SKU	L	B	H	L1	H1	
626000	800	440	923	700	768	57000

## 940EVS1

**Sheet metal basket for 940EV**



- › material: premium sheet metal
- › possibility to fit with tool carriage Eurovision



SKU	A	B	H	
620416	350	120	300	2849

## 940EVS4

**Paper holder for 940EV**



- › from metal
- › delivery without hand towels
- › possibility to fit with tool carriage Eurovision
- › for paper roll max. dia. 300 mm and length 260 mm

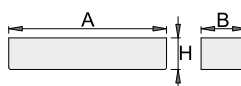
SKU	
620418	540

## 940EVS7

**Holder for bottles for 940EV**



- › material: premium sheet metal
- › possibility to fit with tool carriage Eurovision



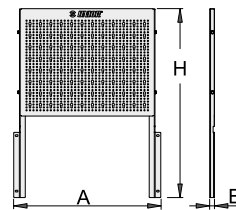
SKU	A	B	H	
620419	350	100	85	978

## 940.1EV

**Tool rack wall for 940EV**



- › material: premium sheet metal
- › A perforated sheet metal tool rack wall for hanging tools and other accessories can be attached to the Eurovision carriage



SKU	A	B	H	
620417	580	20.5	464	5336

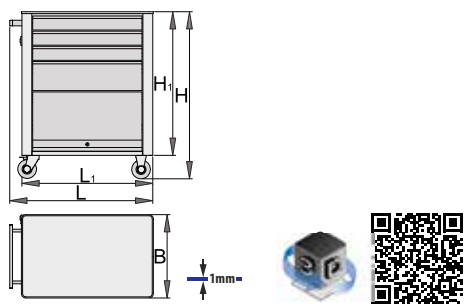


## 940E1

### Tool carriage Eurostyle



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 4 drawers (3 x L 560 x W 365 x H 70 mm, 1 x L 560 x W 400 x H 150 mm)
- › lifting door with locking system
- › basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- › total volume of drawers: 76 litres
- › static load capacity of carriage without casters: 1600kg
- › maximum capacity of each drawer: 45kg
- › dynamic load capacity of carriages: 300 kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › wide range of accessories



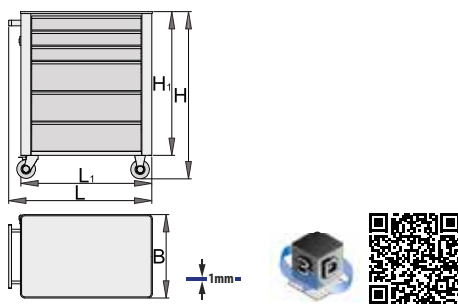
SKU	L	B	H	L1	H1	
608542	770	440	895	700	768	42000

## 940E3

### Tool carriage Eurostyle



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 6 drawers (3 x L 560 x W 365 x H 70 mm, 3 x L 560 x W 400 x H 150 mm)
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 300 kg
- › maximum capacity of each drawer: 45kg
- › total volume of drawers: 144 litres
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › wide range of accessories



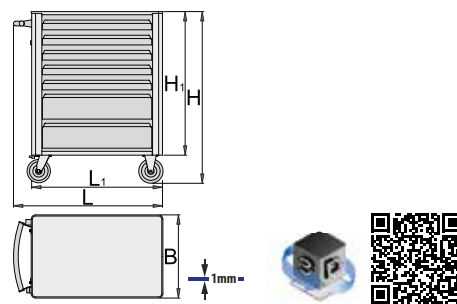
SKU	L	B	H	L1	H1	
608544	770	440	895	700	768	48000

## 940E4

### Tool carriage Eurostyle



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 7 drawers (5 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm)
- › basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- › total volume of drawers: 140 litres
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 300 kg
- › maximum capacity of each drawer: 45kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- › wide range of accessories



SKU	L	B	H	L1	H1	
608545	770	440	895	700	768	52000



## 940E4/1L

### Tool carriage Eurostyle



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › wide range of accessories
- › coated with eco colour of Qualicoat quality standard
- › 7 drawers (5 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm)
- › basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- › total volume of drawers: 140 litres
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 300 kg
- › maximum capacity of each drawer: 45kg
- › left and right side are perforated
- › include 10 hooks dimension 50mm
- › ABS plate on the top of the carriage
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

## 940E4/1L-BLACK

### Tool carriage Eurostyle



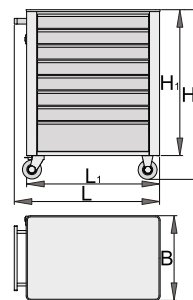
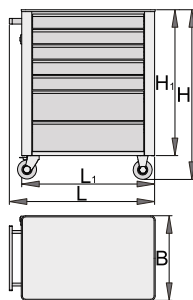
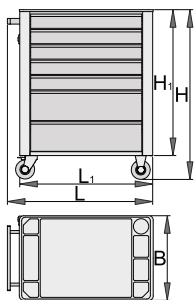
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › wide range of accessories
- › coated with eco colour of Qualicoat quality standard
- › 7 drawers (5 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm)
- › basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- › total volume of drawers: 140 litres
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 300 kg
- › maximum capacity of each drawer: 45kg
- › left and right side are perforated
- › include 10 hooks dimension 50mm
- › ABS plate on the top of the carriage
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3

## 940E6

### Tool carriage Eurostyle



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › wide range of accessories
- › coated with eco colour of Qualicoat quality standard
- › 8 drawers (7 x L 560 x W 365 x H 70 mm, 1 x L 560 x W 400 x H 150 mm)
- › basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- › total volume of drawers: 134 litres
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 300 kg
- › maximum capacity of each drawer: 45kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3



SKU	L	B	H	L1	H1	
612138	770	448	895	700	768	53000

SKU	L	B	H	L1	H1	
628213	770	448	895	700	768	52000

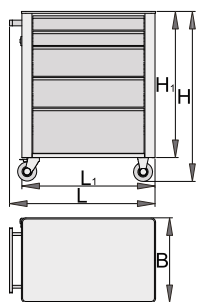
SKU	L	B	H	L1	H1	
608547	770	440	895	700	768	56000

## 940E7

### Tool carriage Eurostyle



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › wide range of accessories
- › coated with eco colour of Qualicoat quality standard
- › 5 drawers (2 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm, 1 x L 560 x W 400 x H 230 mm)
- › basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- › total volume of drawers: 147 litres
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 300 kg
- › maximum capacity of each drawer: 45kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3



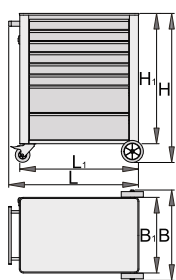
SKU	L	B	H	L1	H1	
627531	770	440	895	700	768	50500

## 940E9

### Tool carriage Eurostyle



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › wide range of accessories
- › coated with eco colour of Qualicoat quality standard
- › 8 drawers (6 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm)
- › basic dimensions with handle and casters L 760 x W 500 x H 975 mm
- › total volume of drawers: 153 litres
- › static load capacity of carriage without casters: 1600kg
- › dynamic load capacity of carriages: 300 kg
- › maximum capacity of each drawer: 45kg
- › drawers compatible with SOS tool trays 1/3, 2/3, 3/3



SKU	L	B	H	L1	B1	H1	
611757	770	500	975	700	440	847	59000

## 940ES3

### Partitions set- 4 pieces for 940E

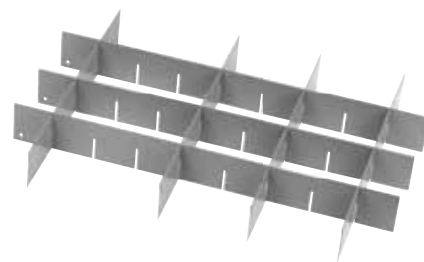


- › material: premium sheet metal
- › possibility to fit with tool carriage Eurostyle and Eurovision

SKU	L	B	H	
608925	377	2.2	65	709

## 940ES3A

### Partitions set for small drawer 940E and 940EV



- › material: premium sheet metal
- › possibility to fit with tool carriage Eurostyle and Eurovision

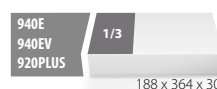
SKU	L	B	H	
622597	557	375	65	1542

## 964ASOS

### Empty SOS tool tray for 920PLUS, 940E and 940EV



- › material: low density polyethylene foam
- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line



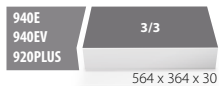
SKU	B	L	H	
621896	188	364	30	41

## 964BSOS

Empty SOS tool tray for 920PLUS, 940E and 940EV



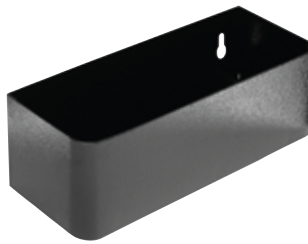
- › material: low density polyethylene foam
- › Tool tray dimension: 564 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line



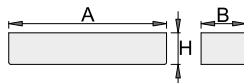
SKU	B	L	H	
621897	564	364	30	113

## 940ES7

Holder for bottles for 940E and 940EV



- › material: premium sheet metal
- › possibility to fit with tool carriage Eurostyle and Eurovision



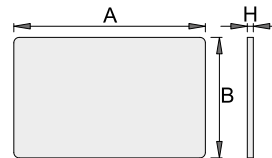
SKU	A	B	H	
608971	350	100	70	894

## 940ES9

Wooden plate for 940E and 940EV



- › possibility to fit with tool carriage Eurostyle and Eurovision



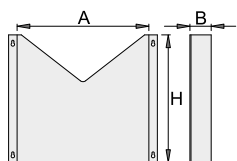
SKU	A	B	H	
608973	690	430	16	3260

## 940ES5

Document holder for 940E and 940EV



- › material: premium sheet metal
- › possibility to fit with tool carriage Eurostyle and Eurovision



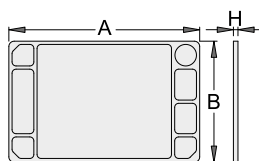
SKU	A	B	H	
608969	330	60	300	1018

## 940ES8

ABS plate for 940E and 940EV



- › material polystyrene
- › possibility to fit with tool carriage Eurostyle and Eurovision



SKU	A	B	H	
608972	705	440	22	1260

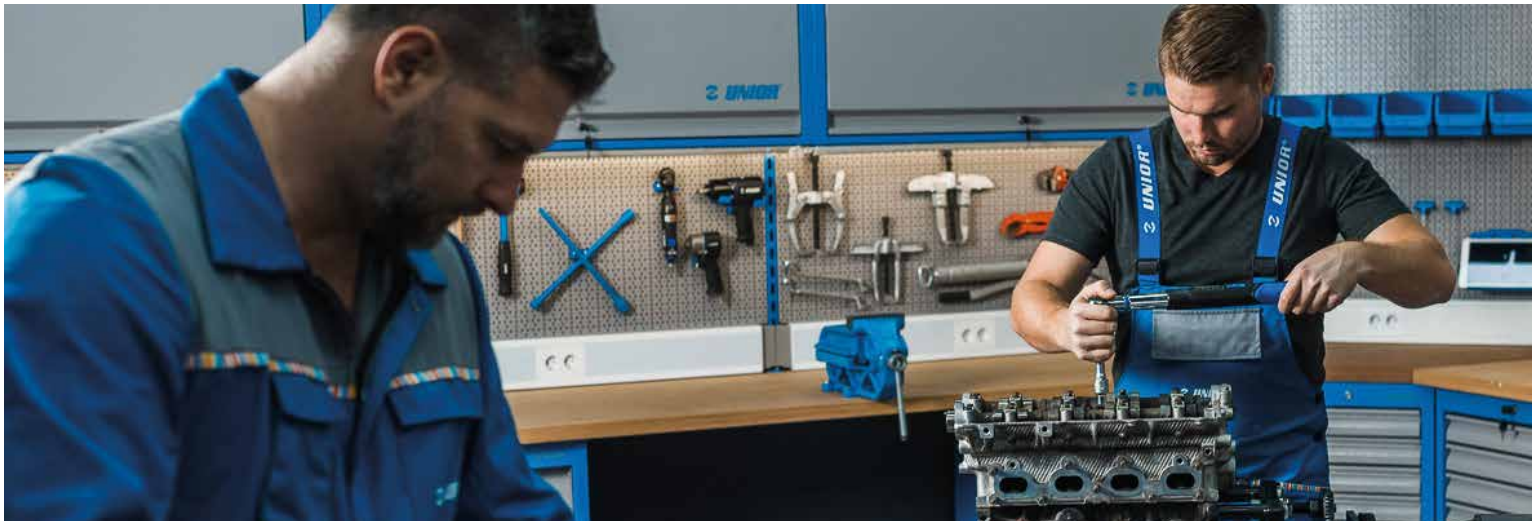
## 940ES10

Screwdrivers hanger for 940E and 940EV



- › material: premium sheet metal
- › possibility to fit with tool carriage Eurostyle and Eurovision

SKU	L	B	H	
622598	350	40	67	349



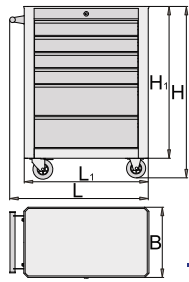


## 940ECO

### Tool carriage Economic



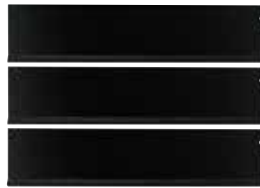
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › wide range of accessories
- › coated with eco colour of Qualicoat quality standard
- › 6 drawers (4 x L 498 x W 273 x H 70 mm, 2 x L 498 x W 311 x H 150 mm)
- › maximum capacity of each drawer: 30kg
- › The only carriage in the production program of Unior that is exclusively intended for use by the private consumer.



SKU	L	B	H	L1	H1	
617227	700	355	890	625	764	33000

## 940ECOS1

### Partitions-3 pcs set for 940ECO



- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

## 940ECOES7

### Bottle holder 940ECO



- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

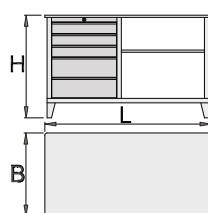
SKU	
617269	540

## 946A

### Work bench



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › wooden worktop
- › 5 drawers (3x L 560 x W 570 x H 70mm, 2x L 560 x W 605 x H 150mm)
- › static load capacity: 2300 kg
- › capacity of drawer: 45kg



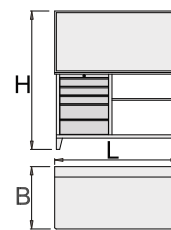
SKU	L	B	H	
612328	1500	750	925	116000

## 946AC

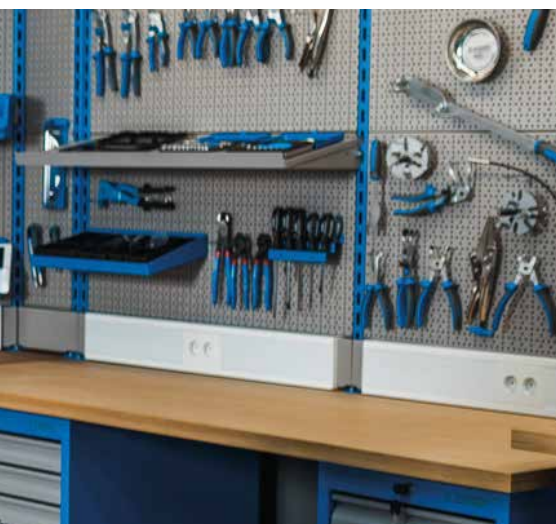
### Work bench with cabinet



- › combination of work bench (art. 946A) and cabinet for work bench (art. 946C) (article 946 ACR cabinet with roller shutter)
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › wooden worktop
- › 5 drawers (3x L 560 x W 570 x H 70mm, 2x L 560 x W 605 x H 150mm)
- › static load capacity: 2300 kg
- › capacity of drawer: 45kg
- › with 30 hooks



SKU	L	B	H	
612220	1500	750	1665	136000



## 946ACR

### Work bench with cabinet with roller shutter



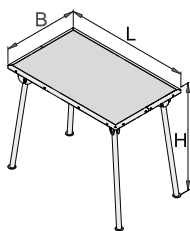
- › combination of work bench (art. 946A) and cabinet with roller shutter for work bench (art. 946CR)
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › wooden worktop
- › 5 drawers (3x L 560 x W 570 x H 70mm, 2x L 560 x W 605 x H 150mm)
- › static load capacity: 2300 kg
- › capacity of drawer: 45kg
- › with 30 hooks
- › model CR with roller shutter and with locking system

## 946G

### Worktable



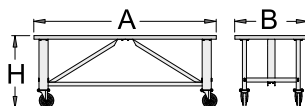
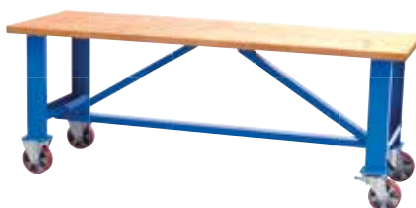
- › folding supported legs
- › static load capacity: 250kg
- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › beech plywood



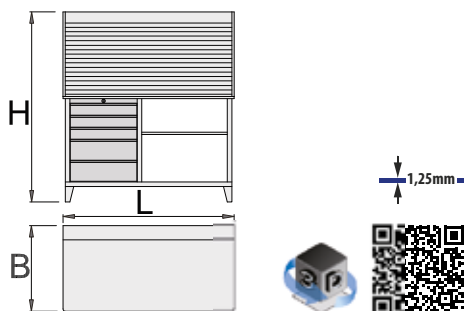
SKU	L	B	H	
621573	1000	600	850	21800

## 990T

### Mobile work bench



- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › beech plywood
- › protected with environmentally friendly coating
- › dynamic load capacity: 1000 kg
- › casters dia. 200mm



SKU	L	B	H	
612331	1500	750	1665	146000

## 940T

### Service trolley



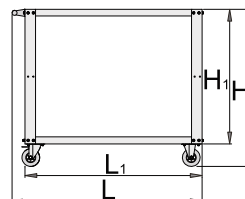
- › Ergonomic, lightweight and easily moved service trolley
- › This industrial-quality service trolley is ideal for use in garages, engineering workshops and warehouses.
- › It allows the user to easily transport tools and components around the working area, and keep them easily at hand while working on a task.
- › This trolley encourages and organized, pre-planned approach to tasks, and improves efficiency, productivity and comfort.
- › The water-resistant top shelf allows easy access to tools and parts at a comfortable working height, while the lower shelf provides additional storage.
- › The shelves are engineered for a maximum load of 100kg each, and are protected with an impact-resistant, anti-slip mat.
- › Made in Europe to the highest standards, and backed by Unior's lifetime warranty.

#### Includes:

- › 4 casters - 2 fixed and 2 swivelling. One easily-braked caster.
- › Two water-resistant shelves, upper complete with impact-absorbing, anti-slip mat

#### Specifications:

- › Total capacity 200kg. Maximum 100kg per shelf.
- › Assembled dimensions: 1072 x 600 x 887mm
- › Packaged dimensions: 1020 x 635 x 190mm



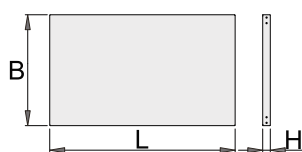
SKU	L	B	H	L1	H1	
627351	1072	600	887	1000	760	30000

## 940.1T

### Shelf for 940T



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard



SKU	L	B	H	
628207	995	595	40	9800

## 990MA3

### Modular work bench - module A3



- basic dimensions of work bench L 2000 x W 750 x H (1885 - 2305)mm



SKU		
625753	2 m	13
990LA (100x650x690x1110 (2x)), 990C (2000), 990TW (2000x750x40), 990SL (32x45x1155), 990SR (32x45x1155), 990SM (32x45x1155), 990HPC (983x73x131 2x), 990B (952x1018 (2x)), 997.1 (50 (2x))		

## 990MA1

### Modular work bench - module A1



- Work benches are an indispensable element in a professional or home workshop. Unior's modular benches are durable, stable and convenient due to their durable work surface, perforated walls, excellent lighting options, convenient drawers. Module A1 also features plastic containers for storing small inventory.
- basic dimensions of work bench L 2000 x W 750 x H 2025mm



SKU		
625751	2 m	20
990WD6 (663x650x870), 990ND6 (475x650x870), 990TW (2000x750x40), 990SL (32x45x1155), 990SR (32x45x1155), 990SM (32x45x1155), 990HPC (983x73x131 2x), 990B (952x1018 (2x)), 990HL (999 (2x)), 990LIGHT (900 (2x)), 990HPB (1000), PB.990HPB (235x155x125 (2x)), 990SHELF (1000), 997.1 (50 (2x))		

## 990MA6

### Modular work bench - module A6



- basic dimensions of work bench L 1500 x W 750 x H 2025mm



SKU		
625756	1,5 m	9
990ND6 (475x650x870), 990LA (100x650x690x1110), 990TW (1500x750x40), 990SL (32x45x1155), 990SR (32x45x1155), 990HPC (1467x73x131), 990B (1436x1018), 997.1 (50 (2x))		

## 990MA7

### Modular work bench - module A7



- basic dimensions of work bench L 1500 x W 750 x H (730 - 1150)mm



SKU		
625757	1,5 m	6
990LA (100x650x690x1110 (2x)), 990TW (1500x750x40), 990NDH4 (475x650x430), 990NDH (475x650x430), 990C (1500)		

## 990MA10

### Modular work bench - module A10



- basic dimensions of work bench L 2500 x W 750 x H 2025mm



SKU		
625760	2,5 m	14
990WD6 (663x650x870), 990WD8 (663x650x870), 990TW (2500x750x40), 990SL (32x45x1155), 990SR (32x45x1155), 990SM (32x45x1155), 990HPC (1233x73x131 (2x)), 990B (1202x1018), 990HL (1249 (2x)), 990LIGHT (1200 (2x))		





The metal sheet thickness of all supporting parts of modular workbenches is 1 mm, which provides them stability, durability, and diversity of use.



We offer a wide range of accessories for a well-organized workplace.



The parapet channel enables us to electrify the workplace. The standard parapet channel contains 2 sockets, whereas the longer 1500 mm option offers a total of 4 sockets. The parapet channel does not have pre-installed wiring.



The spacious drawer with its 260 mm height is suitable for storing larger items and can be used for sprays storage as well.



The tools stored in the work bench drawers are safely secured with a lock and a folding key.



The LED light with a low power consumption and a high luminosity is available in different lengths. With the attached adapters it is possible to connect the lights together. The light holder can be adjusted by height and depth.



The shelf has a load capacity of 60 kg and has an adjustable two-position incline, which provides a well-arranged and more convenient storing of materials.



By height adjustable leg enables the adaptation of the workbench from a minimum height of 730 mm to a maximum of 1140 mm. The height is adjustable in steps of 30 mm.



The EUROloch perforation allows the usage of most standard accessories. A work bench upgraded with perforated plates offers a variety of layouts and can be adapted to the preferences of the individual user.



The connection plate provides maximum stability, even when moving the workbench



Reinforced rails enlarge greater stability of the drawers with a carrying capacity of 50 kg.



The multi-layered 40 mm thick bench top provides high impact resistance and stability in all lengths. The protective layer prevents the absorption of oils and dirt.



Over 300 SOS inserts with tools and inserts for storing of small materials are available for the narrow drawers, as well as for the wide ones. The inserts are combinable or can be custom made upon request.





## 990MA11

### Modular work bench - module A11



› basic dimensions of work bench L 1500 x W 750 x H 2025mm



SKU		
625761	1,5 m	16
990WD6 (663x650x870), 990ND6 (475x650x870), 990TW (1500x750x40), 990SL (32x45x1155), 990SR (32x45x1155), 990HPC (1467x73x131), 990B (1436x1018), 990SHELF (1500), 990HPB (1500), PB.990HPB (235x155x125), 990HL (1499), 990LIGHT (1200), 997.1 (50 (2x))		

## 990MA12

### Modular work bench - module A12



› basic dimensions of work bench L 2000 x W 750 x H 2025mm



SKU		
626730	2 m	20
990WD6 (663x650x870), 990WDD2 (663x650x870), 990TW (2000x750x40), 990SL (32x45x1155), 990SM (32x45x1155), 990SR (32x45x1155), 990HPC (983x53x131 (2x)), 990B (952x1018 (2x)), 990HL (999 (2x)), 990LIGHT (900 (2x)), 990HPB (1000), 990SHELF (1000), 997.1 (50 (2x)), PB.990HPB (235x155x125 (2x))		

## 990MA13

### Modular work bench - module A13



› basic dimensions of work bench L 2000 x W 750 x H 870mm



SKU		
626731	2 m	3
990WD6 (663x650x870), 990WDD2 (663x650x870), 990TW (2000x750x40)		

## 990MA14

### Modular work bench - module A14



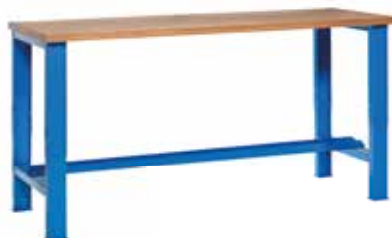
› basic dimensions of work bench L 2000 x W 750 x H 870mm



SKU		
627544	2 m	3
990WD6 (663x650x870), 990WDD2 (663x650x870), 990TW (2000x750x40)		

## 990MA15

### Modular work bench - module A15



› basic dimensions of work bench L 2000 x W 750 x H (730 - 1150)mm



SKU		
627545	2 m	4
990LA (100x650x690x1100 (2x)), 990C (2000), 990TW (2000x750x40)		

## 990MA16

### Modular work bench - module A16



› basic dimensions of work bench L 1500 x W 750 x H 2025mm



SKU		
627607	1,5 m	17
990LA (100x650x690x1110), 990ND6 (475x650x870), 990NDU (60), 990TW (1500x750x40), 990MC9		

## 990MA17

### Modular work bench - module A17



› basic dimensions of work bench L 2000 x W 750 x H 2025mm

› module included plastic boxes: 60x60x50mm 2 pcs, 90x60x50mm 5 pcs, 120x60x50mm 3 pcs, 90x90x50mm 1 pc, 120x120x50mm 1 pc, 180x90x50mm 1 pc



SKU		
627655	2 m	28
990WD6LC100 (663x650x870), 990LA (100x650x690x1110), 990TW (2000x750x40), 990SL (32x45x1155), 990SM (32x45x1155), 990SR (32x45x1155), 990HPC (983x53x131 (2x)), 990B (952x1018), 990CAU (1000x350x510 (2x)), 990LIGHT (900 (2x)), 990.MD (460x226), BASE.990MOD (450x210), H.990.BAT (35x84x22), H.990.HAM (2x), H.990.PAP, H.990.PLI (50x22 (5x)), H.990SCR (2x), H.990.TAB, H.990.WRE		



## 990MA18

### Modular work bench - module A18



► basic dimensions of work bench L 1500 x W 750 x H 2025mm



SKU		
627656	1,5 m	15
990ND6LC100 (475x650x870), 990PNE (475x650x870), 990TW (1500x750x40), 990B (1436x1018), 990BIN (475x650x870), 990HL (1499), 990HPB (1500), 990HPC (1467x53x131), 990LIGHT (1200), 990SHELF (1500), 990SL (32x45x1155), 990SR (32x45x1155), PB.990HPB (235x155x125 (3x))		

## 990MB2

### Modular work station - module B2



► basic dimensions of work bench L 2000 x W 750 x H 2025mm



SKU		
625752		15
990WD6 (663x650x870), 990LA (100x650x690x1110), 990TW (2000x750x40), 990SL (32x45x1155), 990SR (32x45x1155), 990SM (32x45x1155), 990HPC (983x53x131 (2x)), 990B (952x1018 (2x)), 920PLUS1 (810x510x945), 949 (695x660x2030), 990WDU (90), 997.1 (50 (2x))		

## 990MC4

### Perforated back - module C4



► basic dimensions of perforated back L 2000 x H 1155mm



SKU		
625754	2 m	17
990SL (32x45x1155), 990SM (32x45x1155), 990SR (32x45x1155), 990HPC (983x53x131 (2x)), 990B (952x1018 (2x)), 990HL (999 (2x)), 990LIGHT (900 (2x)), 990HPB (1000), PB.990HPB (235x155x125 (2x)), 990SHELF (1000), 997.1 (50 (2x))		

## 990MC5

### Perforated back - module C5

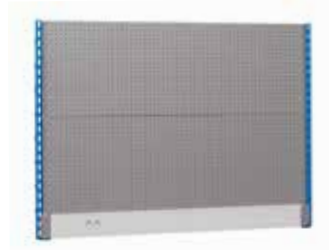


► basic dimensions of perforated back L 2000 x H 1155mm

SKU		
625755	2 m	9
990SL (32x45x1155), 990SR (32x45x1155), 990SM (32x45x1155), 990B (952x1018 (2x)), 990HPC (983x53x131 (2x)), 997.1 (50 (2x))		

## 990MC8

### Perforated back - module C8



► basic dimensions of perforated back L 1500 x H 1155mm



SKU		
625758	1,5 m	6
990SL (32x45x1155), 990SR (32x45x1155), 990B (1436x1018), 990HPC (1467x73x131), 997.1 (50 (2x))		

## 990MC9

### Perforated back - module C9



► basic dimensions of perforated back L 1500 x H 1155mm



SKU		
625759	1,5 m	13
990SL (32x45x1155), 990SR (32x45x1155), 990B (1436x1018), 990SHELF (1500), 990HPC (1467x53x131), 990HPB (1500), PB.990HPB (235x155x125 (3x)), 990HL (1499), 990LIGHT (1200), 997.1 (50 (2x))		

## 990AD1

### Angle modular work bench



► basic dimensions of angle work bench L 1000 x W 1000 x H 2025mm



SKU		
627057		11
990B (952x1018), 990BA (228x28,5x509), 990BA1, 990HPC (983x53x131), 990LB (2x), 990SL (32x45x1155), 990SM (32x45x1155 (2x)), 990SR (32x45x1155), 990TW1 (1000x1000x40)		

## 990WD6

### Wide drawer cabinet - 6 drawers



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 6 drawers (4 x L 564 x W 570 x H 70mm, 1 x L 564 x W 605 x H 150 mm and 1 x L 564 x W 605 x H 230 mm)
- › basic dimensions L 663 x W 650 x H 870 mm
- › total volume of drawers: 220 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg

## 990WD6LC100

### Wide drawer cabinet - 6 drawers



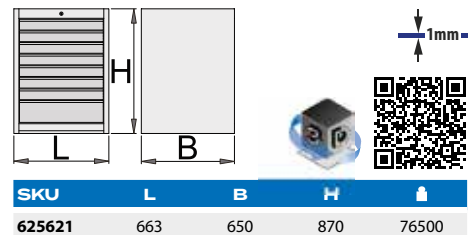
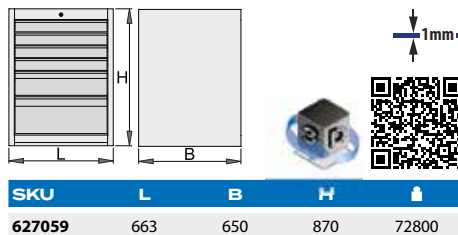
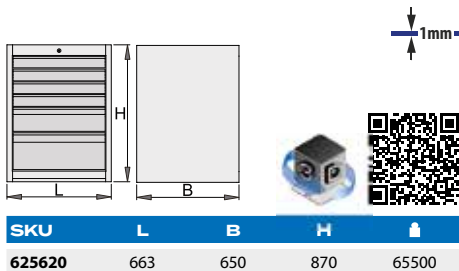
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 6 drawers (4 x L 564 x W 570 x H 70mm, 1 x L 564 x W 605 x H 150 mm and 1 x L 564 x W 605 x H 230 mm)
- › basic dimensions L 663 x W 650 x H 870 mm
- › total volume of drawers: 220 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 100kg

## 990WD8

### Wide drawer cabinet - 8 drawers

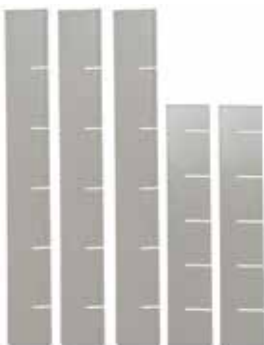


- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 8 drawers (7 x L 564 x W 570 x H 70mm, 1 x L 564 x W 605 x H 150mm)
- › basic dimensions L 663 x W 650 x H 870 mm
- › total volume of drawers: 208 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg

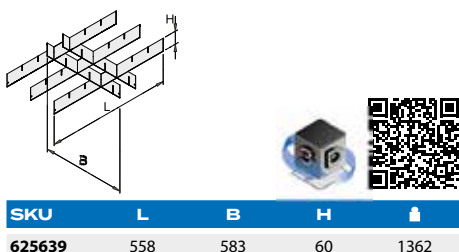


## 990WDP

### Partitions for wide drawers



- › material: premium sheet metal

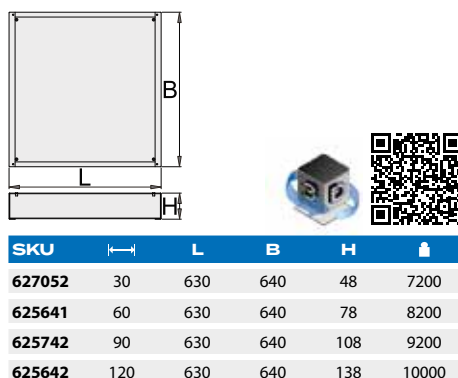


## 990WDU

### Wide drawer cabinet underbase



- › material: premium sheet metal

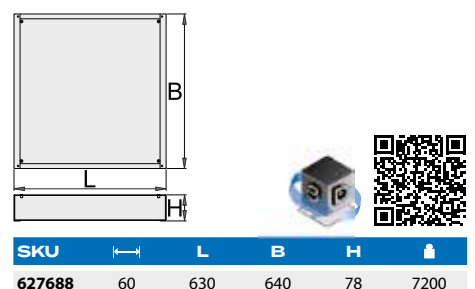


## 990WDU-BLACK

### Wide tool chest underbase



- › material: premium sheet metal



## 99OWD7-BLACK

### Tool chest wide - 7 drawers



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 7 drawers (5 x L 564 x W 570 x H 70mm, 2x L 564 x W 605 x H 150mm)
- › basic dimensions L 663 x W 650 x H 870 mm
- › total volume of drawers: 214 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg

## 99OWDD2

### Wide drawer cabinet - 2 drawers and door



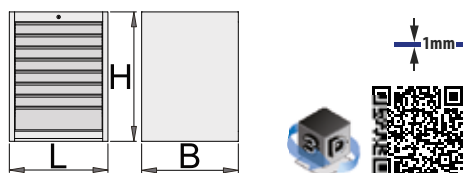
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 2 drawers (2 x L 564 x W 570 x H 70 mm)
- › with door
- › basic dimensions L 663 x W 650 x H 870 mm
- › total volume of drawers: 45 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg

## 99OPNE

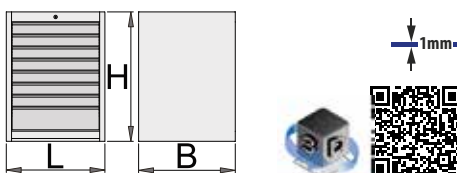
### Power support for modular work bench



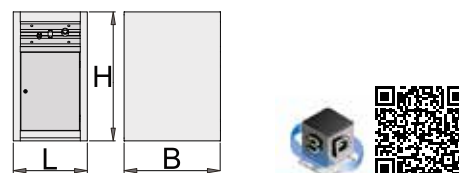
- › material: premium PLUS sheet metal
- › Power support for modular work bench includes 2 reels (electric and hose) with spring return.
- › Electric cable reel includes 13m cable 3x1,5mm<sup>2</sup> for 220V.
- › Hose reel includes hose in length of 10+3m, inner diameter 8mm, outer diameter 12mm, 1/4" connector. Max. working pressure 7 bars.
- › The bottom part with doors and a shelf in the interior.
- › The reels are available also as a individual article; the hose reel under the code 627388 and the electric cable reel under code 627387. Reels can be assembled on the support leg of the modular work bench with help of the pneumatic holder, code 627372.
- › lock with key included also foam keyring



SKU	L	B	H	
628585	663	650	870	71500



SKU	L	B	H	
625625	663	650	870	44000



SKU	L	B	H	
625646	475	650	870	33000



**MADE  
FOR  
WORK.**



## 990PNE-BLACK

### Power support for modular work bench



- › material: premium PLUS sheet metal
- › Power support for modular work bench includes 2 reels (electric and hose) with spring return.
- › Electric cable reel includes 13m cable 3x1,5mm<sup>2</sup> for 220V.
- › Hose reel includes hose in length of 10+3m, inner diameter 8mm, outer diameter 12mm, 1/4" connector. Max. working pressure 7 bars.
- › The bottom part with doors and a shelf in the interior.
- › The reels are available also as a individual article; the hose reel under the code 627388 and the electric cable reel under code 627387. Reels can be assembled on the support leg of the modular work bench with help of the pneumatic holder, code 627372.
- › lock with key included also foam keyring

## 990BIN

### Cleaning support for modular work bench



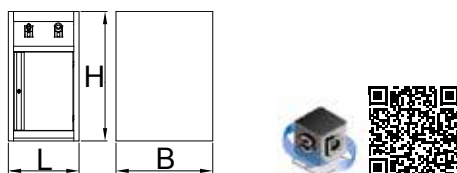
- › material: premium PLUS sheet metal
- › With 2 pull out drawers.
- › In the upper drawer can be placed a paper roll of max. dia. 270mm and max. length 380mm. There is also a place on the back side of the drawer for the spare paper roll.
- › The lowest drawer has 2 divided containers for waste, total volume 50 litres; the first container has possibility to put the waste through the flap door on the front side of the drawer.
- › coated with eco colour of Qualicoat quality standard

## 990BIN-BLACK

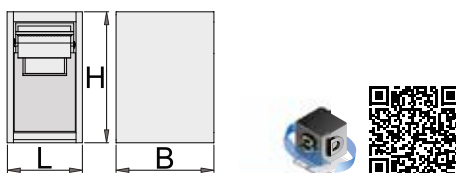
### Cleaning support for modular work bench



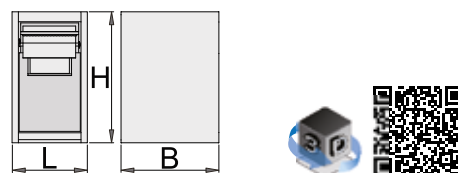
- › material: premium PLUS sheet metal
- › With 2 pull out drawers.
- › In the upper drawer can be placed a paper roll of max. dia. 270mm and max. length 380mm. There is also a place on the back side of the drawer for the spare paper roll.
- › The lowest drawer has 2 divided containers for waste, total volume 50 litres; the first container has possibility to put the waste through the flap door on the front side of the drawer.
- › coated with eco colour of Qualicoat quality standard



SKU	L	B	H	
628809	475	650	870	33000



SKU	L	B	H	
625655	475	650	870	50000



SKU	L	B	H	
628810	475	650	870	41200



## 990ND6

Narrow drawer cabinet - 6 drawers



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 6 drawers (4 x L 374 x W 570 x H 70 mm, 1 x L 374 x W 605 x H 150 mm, 1 x L 374 x W 605 x H 230 mm)
- › basic dimensions L 475 x W 650 x H 870 mm
- › total volume of drawers: 145 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg

## 990ND6LC100

Narrow drawer cabinet - 6 drawers



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 6 drawers (4 x L 374 x W 570 x H 70 mm, 1 x L 374 x W 605 x H 150 mm, 1 x L 374 x W 605 x H 230 mm)
- › basic dimensions L 475 x W 650 x H 870 mm
- › total volume of drawers: 145 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 100kg

## 990ND6-BLACK

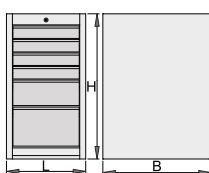
Narrow drawer cabinet - 6 drawers



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 6 drawers (4 x L 374 x W 570 x H 70 mm, 1 x L 374 x W 605 x H 150 mm, 1 x L 374 x W 605 x H 230 mm)
- › basic dimensions L 475 x W 650 x H 870 mm
- › total volume of drawers: 145 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg



SKU	L	B	H	
625622	475	650	870	60200



SKU	L	B	H	
627061	475	650	870	69000



SKU	L	B	H	
626166	475	650	870	54000



## 990ND8

### Narrow drawer cabinet - 8 drawers



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 8 drawers (7 x L 374 x W 570 x H 70 mm, 1 x L 374 x W 605 x H 150 mm)
- › basic dimensions L 475 x W 650 x H 870 mm
- › total volume of drawers: 128 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg

## 990NDD2

### Narrow drawer cabinet - 2 drawers and door



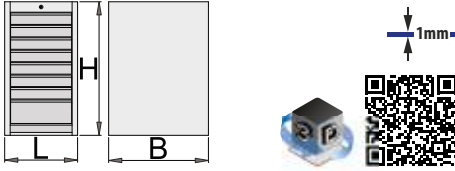
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 2 drawers (2 x L 374 x W 570 x H 70 mm)
- › with door
- › basic dimensions L 475 x W 650 x H 870 mm
- › total volume of drawers: 30 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg

## 990NDD2-BLACK

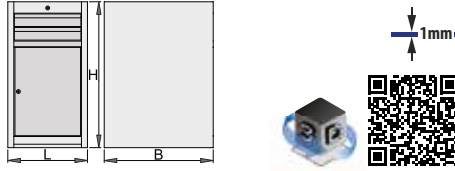
### Narrow drawer cabinet - 2 drawers and door



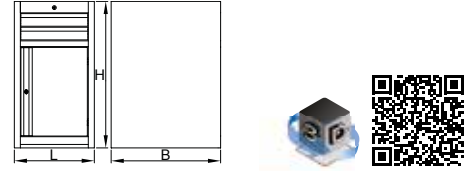
- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › full extension drawers with top quality ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 2 drawers (2 x L 374 x W 570 x H 70 mm)
- › with door
- › basic dimensions L 475 x W 650 x H 870 mm
- › total volume of drawers: 30 litres
- › possible use of SOS tool tray system in drawers
- › maximum capacity of each drawer: 50kg



SKU	L	B	H	
625623	475	650	870	60500



SKU	L	B	H	
625624	475	650	870	40000



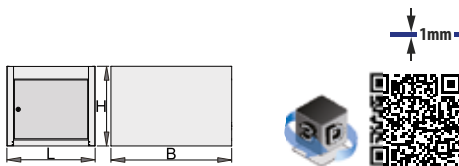
SKU	L	B	H	
626167	475	650	870	40000

## 990NDH

### Tool cabinet mounted under bench top



- › material: premium PLUS sheet metal
- › door locked with lock and folding key
- › lock with key included also foam keyring
- › coated with eco colour of Qualicoat quality standard
- › with door



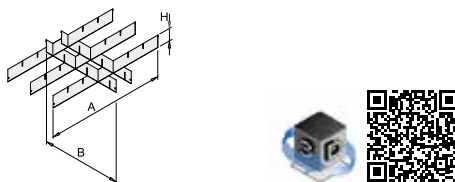
SKU	L	B	H	
625627	475	650	430	18600

## 990NDP

### Partitions for narrow drawers



- › material: premium sheet metal



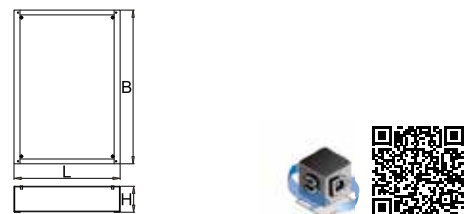
SKU	A	B	H	
625640	370	583	60	1208

## 990NDU

### Narrow drawer cabinet underbase



- › material: premium sheet metal



SKU	L	B	H	
627053	30	442	640	5407
625643	60	442	640	6400
625743	90	442	640	7200
625644	120	442	640	8000

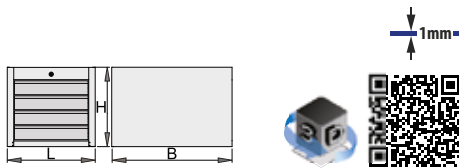


## 990NDH4

Narrow drawer cabinet mounted under bench top - 4 drawers



- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg
- 4 drawers (4 x L 374 x W 570 x H 70 mm)



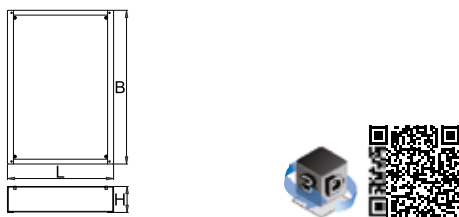
SKU	L	B	H	
625628	105	650	870	10600

## 990NDU-BLACK

Narrow tool chest underbase



- material: premium sheet metal



SKU	L	B	H	
627689	60	442	640	78 6400

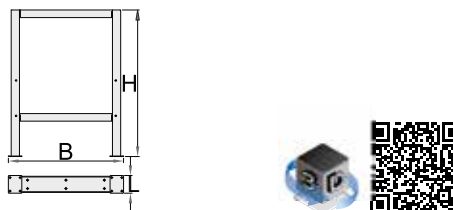
**MADE  
FOR  
WORK.**

## 990L

Leg for modular work bench



- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard



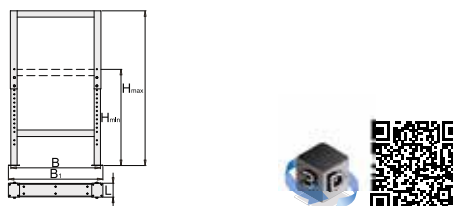
SKU	L	B	H	
625628	105	650	870	10600

## 990LA-BLACK

Adjustable leg for modular work bench



- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard



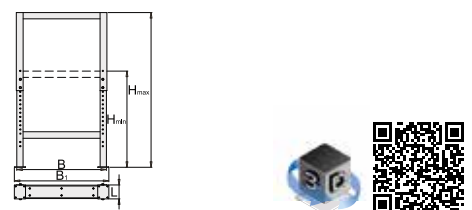
SKU	L	B	B1	H1	H2	
625630	100	650	680	690	1100	11800

## 990LA

Adjustable leg for modular work bench



- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard



SKU	L	B	B1	H1	H2	
625629	100	650	680	690	1100	12000



## 990IN4

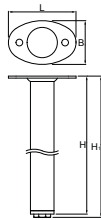
Set 4 insert nuts



SKU	
626419	25

## 990LB

Support for angle modular work bench,  
2 pcs set



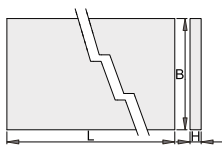
SKU	L	B	H	H1	🔒
628202	100,5	65	858	868	2580

## 990TW

Wooden bench top



- > beech plywood
- > protected with environmentally friendly coating



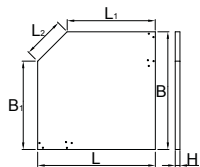
SKU	L	B	H	🔒
625630	1500	750	40	36200
625631	2000	750	40	46200
625632	2500	750	40	61000

## 990TW1

Angle wooden bench top



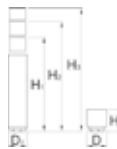
- > beech plywood
- > protected with environmentally friendly coating



SKU	L	L1	B	B1	H	L2	🔒
628149	1000	750	1000	750	40	350	29400

## 990LBH

Set for high adjustment of support  
990LB



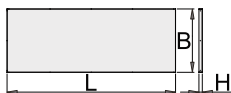
SKU	H	H1	H2	H3	🔒
626254	955	800	955	800	827

## 990TWS

Stainless worktop



- > material: stainless steel
- > stainless worktop is used only with wooden bench top article 990TW
- > thickness of stainless worktop is 1 mm



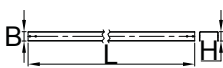
SKU	L	B	H	🔒
625633	1500	753	41	10800
625634	2000	753	41	13000
625635	2500	753	41	17000

## 990C

Connector



- > coated with eco colour of Qualicoat quality standard
- > material: premium PLUS sheet metal

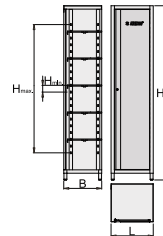


SKU	L	B	H	🔒
625636	1500	1425	80	3400
625637	2000	1925	80	4800
625638	2500	2302	80	6000



## 990NCA

Self standing narrow cabinet



- > material: premium PLUS sheet metal
- > door locked with lock and folding key
- > lock with key included also foam keyring
- > coated with eco colour of Qualicoat quality standard
- > 5 adjustable shelves in height
- > basic dimensions L 500 x W 450 x H 2065 mm



SKU	L	B	B1	H1	H2	🔒
625745	500	450	2065	120	1620	55200

## 990CAU

Hanging cabinet for work benches



- > material: premium PLUS sheet metal
- > door locked with lock and folding key
- > lock with key included also foam keyring
- > coated with eco colour of Qualicoat quality standard
- > maximal load capacity of hanging cabinet length 1000mm is 40kg, for 1250mm and 1500mm is 50kg. Load capacity of the shelf is 15kg
- > hanging door with telescopic mechanism
- > on the bottom part of the cabinet is set a light holder
- > two possibilities of hanging - on the support leg of the modular work bench or on the wall. For hanging on the wall additional support is enclosed.



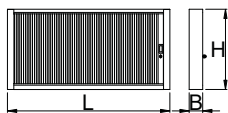
SKU	L	B	H	🔒
627088	1000	350	510	22400
627089	1250	350	510	25000
627090	1500	350	510	31200

## 990CA

### Cabinet with roller shutter



- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › lenght 1000 mm with 20 hooks, lenght 1500 mm with 30 hooks
- › lock with key included also foam keyring



SKU	L	B	B1	H	
625668	1000	125	157	740	27600
612330	1500	125	157	740	30000

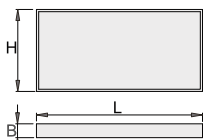


## 990CWR

### Cabinet



- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › with 30 hooks



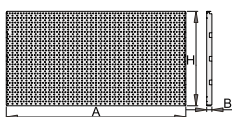
SKU	L	B	H	
625669	1000	125	749	14000
612329	1500	125	740	20000

## 990B

### Perforated back, 2 pcs set



- › coated with eco colour of Qualicoat quality standard
- › material: premium PLUS sheet metal



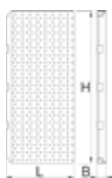
SKU	A	B	H	
625652	952	28	1018	12600
625653	1202	28	1018	16400
625654	1436	28	1018	19800

## 990BA

### Perforated back for angle modular work bench, 4 pcs set



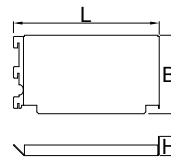
- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard



SKU	L	B	H	
628201	228	28,5	509	6600

## 990BA1

### Cover set for angle modular work bench, 2 pcs set



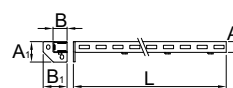
SKU	L	B	H	
628203	241,4	130	31,8	710

## 990SL

### Left support



- › coated with eco colour of Qualicoat quality standard
- › material: premium PLUS sheet metal



SKU	A	B	A1	B1	L	H
625648	32	45	80	75	1155	2604

## 990SL-BLACK

### Left support



- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard



SKU	A	B	A1	B1	L	H
627694	32	45	80	75	1155	2604



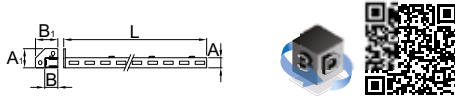


## 990SR

### Right support



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard



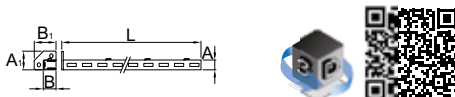
SKU	A	B	A1	B1	L	
625649	32	45	80	75	1155	2610

## 990SR-BLACK

### Right support



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard



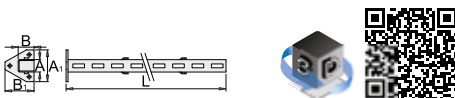
SKU	A	B	A1	B1	L	
627690	32	45	80	75	1155	2610

## 990SM

### Middle support



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard



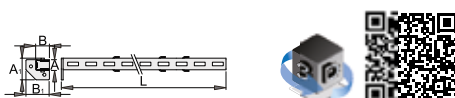
SKU	A	B	A1	B1	L	
625650	32	45	80	70	1155	2600

## 990SM-BLACK

### Middle support



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard



SKU	A	B	A1	B1	L	
627691	32	45	80	70	1155	2600

## 990S1

### Additional support for 990S



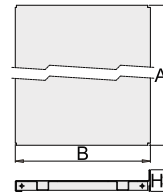
SKU	
628210	1874

## 990SHELF

### Shelf with holders



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard



SKU		A	B	H	
625672	1000	984	250	40	3200
625673	1250	1234	250	40	5400
625674	1500	1468	250	40	6400



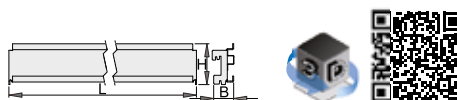
## 990HPB

### Holder for plastic box



## PB.990HPB

### Plastic box, 3 pcs set



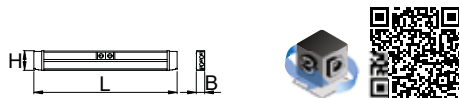
SKU	L	B	H	
625660	1000	40,5	98	2400
625661	1250	40,5	98	3000
625662	1500	40,5	98	3600



SKU	L	B	H	
625748	160	100	75	200
625749	235	155	125	580
625750	330	200	150	1180

## 990HPC

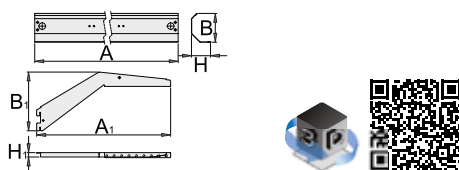
### Holder with parapet channel



SKU	⊕	L	B	H	⚙
625656	2	983	73	131	4326
625657	2	1233	73	131	5465
625658	4	1467	73	131	6620

## 990HL

### Holder for light with console



SKU	A	B	H	A1	B1	H1	⚙
625663	999	121	36,5	1010	132	17	2151
625664	1249	121	36,5	1250	132	17	2469
625665	1499	121	36,5	1485	132	17	2760

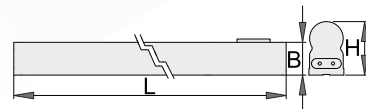


## 990LIGHT

### Light



- › with power supply cable and two light connector
- › lifetime of leds is 25000 hours
- › Color temperature is 4000K
- › Hg free
- › UV free



IP20 HgFREE 4000K UVFREE 25000h



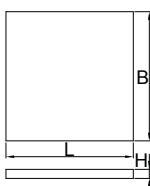
SKU	⊕	L	B	H	⊙	lm	⚙
625666	600	600	23	37	10	1000	340
625667	900	860	23	37	15	1400	297
625671	1200	1150	23	37	20	1900	315

## VL990ND

### SOS tool tray with compartment for work bench narrow drawer cabinet



- › Dimensions of compartments: 2x dim. 60x70mm, 2x dim. 75x70mm, 2x dim. 150x70mm
- › Tool tray dimension: 374 x 205 x 40 mm



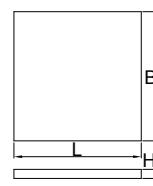
SKU	L	B	H	⚙
625619	374	205	40	50

## VL990ND1

### SOS tool tray with compartment for work bench narrow drawer cabinet



- › Dimensions of compartments: 20x dim. 70x95mm
- › Tool tray dimension: 374 x 570 x 40 mm
- › Compatible with drawers of work benches line 990ND



SKU	L	B	H	⚙
625589	374	570	40	126

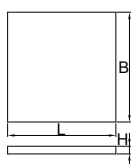


## VL99OND2

SOS tool tray with compartment for work bench narrow drawer cabinet



› Dimensions of compartments: 10x dim.  
150x95mm



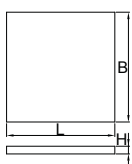
SKU	L	B	H	
625590	374	570	40	111

## VL99OND4

SOS tool tray with compartment for work bench narrow drawer cabinet



› Dimensions of compartments: 8x dim.  
70x95mm, 20x dim. 60x60mm



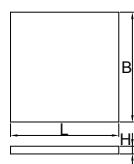
SKU	L	B	H	
625592	374	570	40	111

## VL99OWD1

SOS tool tray with compartment for work bench wide drawer cabinet



› Dimensions of compartments: 30x dim.  
95x70mm  
› Tool tray dimension: 562 x 570 x 40 mm  
› Compatible with drawers of work benches line  
990WD and 946



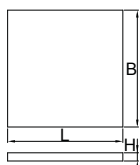
SKU	L	B	H	
625585	562	570	40	177

## VL99OND3

SOS tool tray with compartment for work bench narrow drawer cabinet



› Dimensions of compartments: 4x dim.  
70x95mm, 6x dim. 95x200mm



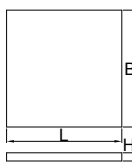
SKU	L	B	H	
625591	374	570	40	113

## VL99OWD

SOS tool tray with compartment for work bench wide drawer cabinet



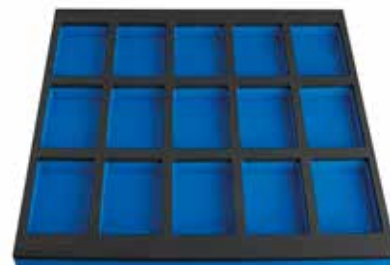
› Dimensions of compartments: 6x dim.  
95x70mm, 2x dim. 150x70mm  
› Tool tray dimension: 562 x 205 x 40 mm



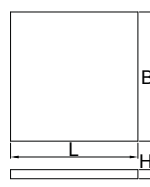
SKU	L	B	H	
625618	562	205	40	57

## VL99OWD2

SOS tool tray with compartment for work bench wide drawer cabinet



› Dimensions of compartments: 15x dim.  
95x150mm



SKU	L	B	H	
625586	562	570	40	161



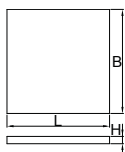


## VL99OWD3

SOS tool tray with compartment for work bench wide drawer cabinet



- Dimensions of compartments: 10x dim. 95x240mm



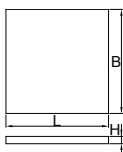
SKU	L	B	H	
625587	562	570	40	144

## VL99OWD4

SOS tool tray with compartment for work bench wide drawer cabinet



- Dimensions of compartments: 12x dim. 95x70mm, 6x dim. 95x150mm, 2x dim. 95x240mm



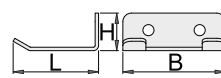
SKU	L	B	H	
625588	562	570	40	165

## h.99O.HAM

Holder for hammers



- material: premium sheet metal 2mm
- one holder holds 1 hammer or 1 tool with T-handle
- assembly with two screws M6x10mm



SKU	L	B	H	
627071	60	50	22	56

## 99O.PNE

Cable reel 3x1,5 mm<sup>2</sup>, 220V



- Electric cable reel includes 13m cable 3x1,5mm<sup>2</sup> for 220V.



SKU	L	
627387	13 m	177

## 99O.PNE1

Hose reel, hose 8x12 mm, 1/4"



- Hose reel includes hose in length of 10+3m, inner diameter 8mm, outer diameter 12mm, 1/4" connector. Max. working pressure 7 bars.



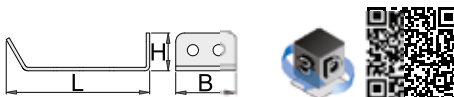
SKU	L	
627388	15 m	177

## h.99O.BAT

Holder for cordless screwdriver



- material: premium sheet metal 2mm
- 2 pcs in the set
- assembly with two screws M6x10mm



SKU	L	B	H	
627068	35	84	22	125

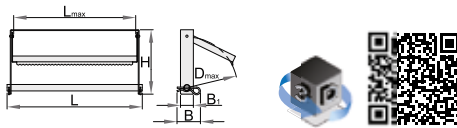


## h.990.PAP

### Holder for paper



- › metal construction
- › possibility of assembly under the work bench or on the wall
- › for paper roll max. dia. 370mm and max. length 380mm
- › holder has a serrated knife for easy cut of the paper



SKU	D1	L1	L	B	B1	
627074	370	380	420	72	40	1450

## h.990.PIN

### Holder with pin, 10 pcs set



- › assembly with screw M6x10mm



SKU	L	B	H	
627804	51,5	15	30	155

## h.990.PLI

### Holder for pliers, 10 pcs set



- › material: premium sheet metal 2mm
- › one holder holds 1 pliers
- › assembly with screw M6x10mm



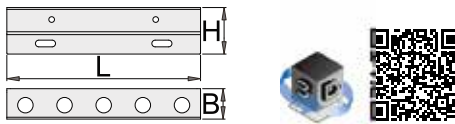
SKU	B	H	
627070	50	22	22

## h.990.SCR

### Holder for screwdrivers



- › material: premium sheet metal 0,8mm
- › assembly on the perforated Unior wall with screws M6x10
- › screwdriver holder with 5 holes dia. 15mm for holding different screwdrivers



SKU	L	B	H	
627072	188	28,5	45	125

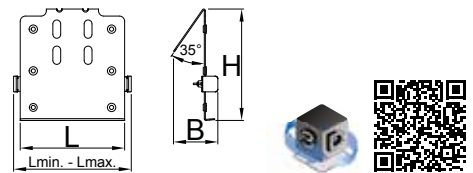


## h.990.TAB

### Holder for tablet



- › material: premium sheet metal 2mm
- › assembly on the perforated Unior wall at an angle of 67°
- › assembly with four screws M6x10mm
- › adjustable width from min. 210mm to max. 340mm with use of the side sliders
- › rubber screws on the bottom surface of the holder prevent damages to the tablet



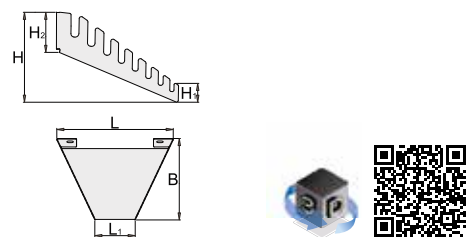
SKU	L1	L2	B	H	
627073	210	340	85	213	1090

## h.990.WRE

### Holder for wrenches



- › material: premium sheet metal 1mm
- › assembly on the perforated Unior wall with screws M6x10
- › assembly on the wall at an angle of 67° which allows better transparency and use of the wrenches
- › 8 pcs of open end wrenches or 8 pcs of offset ring wrenches can be stored on the holder (up to dim. 24mm)



SKU	L	L1	B	H	H1	H2	
627069	197	68	138	84,8	15,4	39	206



## h.F990UN

### Tool tray with foldable arm for 990



- Foldable tool tray mounts to the Unior work bench support and provides optimal placement of tool tray. Tray will be right where you need it, providing perfect placement for the tools and small parts, thus increasing work productivity. Tool tray can rotate for 90 degrees left or right. Foldable arm is 500 mm long and allows to pull the tool tray closer to you or move it out of work area when not in use. Tool tray is made of thin metal plate and SOS foam tray, with room to hang different tools and open compartments for storage.



SKU	L	B	B1	H	Li	Li	
625957	325	215	234	65	360.5	622	4300

## h.F990PB

### Small parts organizer with foldable arm for 990



- Foldable small parts organizer mounts to the Unior work bench support and provides optimal placement for it. The setup will make work more comfortable and productive as the smaller parts will be right where you need it. Parts organizer can be rotated 90° left or right, foldable arm is 500 mm long and allows to pull the organizer or fold it out of work area when not in use. Organizer is compatible with all sizes of plastic boxes in our range.
- Plastic boxes are not included with organizer and are sold separately.



SKU	L	B	B1	H	Li	Li	
625954	500	215	65	174	360.5	622	3900



## h.F990LAP

### Laptop holder with foldable arm for 990



- Foldable laptop holder mounts to the Unior work bench support and provides optimal placement for laptop. The setup will make work more comfortable and productive as the computer will be right where you need it. Tray is large enough to support laptops up to the size 15" and can rotate for 90 degrees left or right. Foldable arm is 500 mm long and allows to pull the laptop closer to you, or move it out of work area when not in use.



SKU	L	B	B1	H	Li	Li	
625955	405	215	291	75	360.5	622	5800

## h.F990TAB

### Tablet holder with foldable arm for 990



- Foldable tablet holder mounts to the Unior work bench support and provides optimal placement for tablet. The setup will make work more comfortable and productive as the tablet will be right where you need it. Holder features protective rubber on the surface to prevent tablet from scratching and adjustable arm to accommodate tablets with width from 210 mm to 340 mm. Holder mounts under 67 degrees angle for easier swiping and better view and can be rotated 90 degrees left or right. Foldable arm is 500 mm long and allows to pull the holder closer to you if needed or move it out of work area when not in use.



SKU	L	B	B1	H	Li	Li	
625956	200	215	160	174	360.5	622	4400



## 1h.GENERAL-MAGN.

### Magnetic label holder

SKU	L	B	🔒
628813	1000	20	123

## SET.PB.990HPBMOD

### Set of plastic boxes with base pade



#### Set include:

- › base pad 450x210mm
- › plastic boxes dimensions 60x60x50mm 2 pieces, 90x60x50mm 5 pieces, 120x60x50mm 3 pieces, 90x90x50mm 1 piece, 120x120x50 1 piece and 180x90x50mm 1 piece



SKU	🔒
627395	450

## 990.MD

### Modular holder for merchandiser



- › material: premium sheet metal 1,25mm
- › assembly on the perforated Unior wall at an angle of 13°
- › assembly with two screws M6x10mm
- › load capacity 10kg
- › Holder has a multi-use. You can use it with plastic boxes with help of the base pad dim. 480x210mm (code 627385). You can use before prepared set of the boxes or you can choose your own boxes and create your own set.
- › set of modular holder for merchandiser with plastic boxes and base pade is under the code 627604



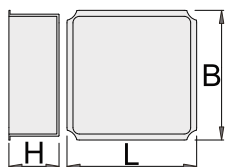
SKU	L	B	H	🔒
627371	460	226	58	1654

## PB.990HPBMOD

### Plastic box, 10 pcs set



- › set of modular holder for merchandiser with plastic boxes and base pade is under the code 627604



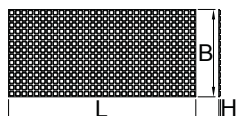
SKU	L	B	H	🔒
627379	60	60	50	166
627380	90	60	50	252
627381	120	60	50	316
627382	90	90	50	331
627383	120	120	50	490
627384	180	90	50	540

## BASE.990MOD

### › Base pade for plastic boxes



- › set of modular holder for merchandiser with plastic boxes and base pade is under the code 627604



SKU	L	B	🔒
627385	450	210	64
627574	560	365	139
627573	930	450	284

## SET990.MD

### Set of modular holder for merchandiser with plastic boxes and base pade



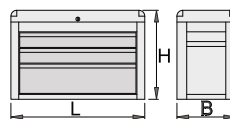
SKU	🔒
627604	2

## 938/3V

### Tool chest Eurostyle - 3 compartments



- › material: premium PLUS sheet metal
- › central locking system with a lock and folding key
- › lock with key included also foam keyring
- › cover with lock, when the cover is closed the drawers will be locked
- › drawers with ball-bearing slides
- › the synthetic covering protects drawers and tools from damage
- › coated with eco colour of Qualicoat quality standard
- › 3 drawers (2 x L 563 x W 365 x H 70, 1 x L 563 x W 400 x H 150)
- › maximum capacity of each drawer: 30kg



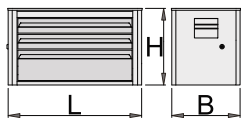
SKU	L	B	H	🔒
615179	695	435	455	25830

## 939/3EV

### Tool chest Eurovision - 3 compartments



- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- drawers with ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 3 drawers (2 x L 560 x W 275 x H 70mm, 1 x L 560 x W 315 x H 150mm)
- maximum capacity of each drawer: 30kg



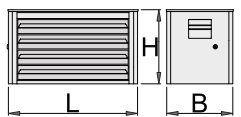
SKU	L	B	H	
620556	690	355	394	21600

## 939/4EV

### Tool chest Eurovision - 4 compartments



- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- drawers with ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 4 drawers L 560 x W 275 x H 70 mm
- maximum capacity of each drawer: 30kg



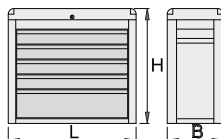
SKU	L	B	H	
620420	690	355	394	24800

## 939/5E

### Tool chest Eurostyle - 5 compartments



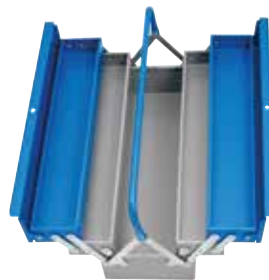
- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- cover with lock, when the cover is closed the drawers will be locked
- drawers with ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 5 drawers L 560 x W 265 x H 70 mm
- maximum capacity of each drawer: 30kg



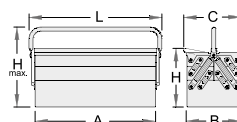
SKU	L	B	H	
611784	685	300	535	25000

## 911/5

### Tool box - 5 compartments



- coated with eco colour of Qualicoat quality standard
- short type with one handle
- box can be locked with padlock



SKU	A	B	C	L	H	Hi	
601909	460	210	220	500	225	320	3956

## 911VSOS

### SOS tool tray for 911



- material: low density polyethylene foam

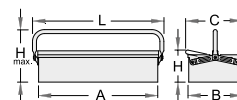
SKU	B	L	H	
622694	95	447	30	26

## 912/1

### Tool box - 1 compartment



- coated with eco colour of Qualicoat quality standard
- long type with one handle
- box can be locked with padlock



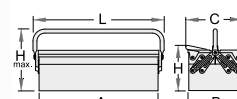
SKU	A	B	C	L	H	Hi	
601910	560	210	220	600	125	220	2531

## 912/3

### Tool box - 3 compartments



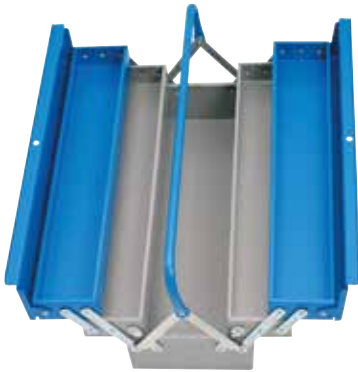
- coated with eco colour of Qualicoat quality standard
- long type with one handle
- box can be locked with padlock



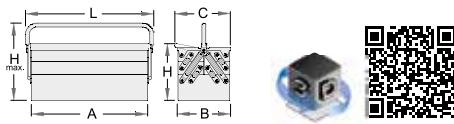
SKU	A	B	C	L	H	Hi	
601911	560	210	220	600	175	270	3834

## 912/5

### Tool box - 5 compartments



- › coated with eco colour of Qualicoat quality standard
- › long type with one handle
- › box can be locked with padlock



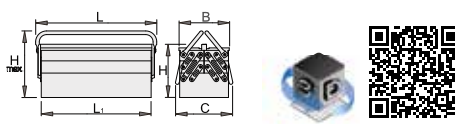
SKU	A	B	C	L	H	Hi	
601912	560	210	220	600	225	320	5386

## 914/5

### Tool box - 5 compartments



- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › short type with two handles
- › box can be locked with padlock



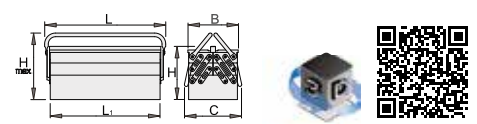
SKU	L1	B	C	L	H	Hi	
601985	460	210	235	485	225	275	4768

## 915/5

### Tool box - 5 compartments



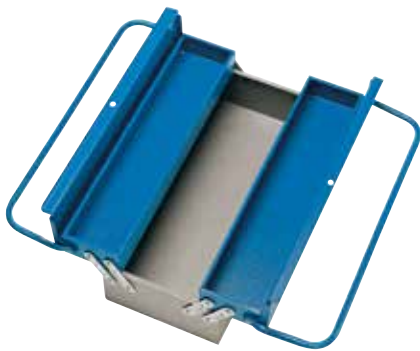
- › coated with eco colour of Qualicoat quality standard
- › long type with two handles
- › material: premium PLUS sheet metal
- › box can be locked with padlock



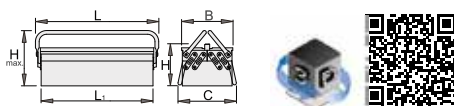
SKU	L1	B	C	L	H	Hi	
607137	560	210	235	585	225	275	5541

## 914/3

### Tool box - 3 compartments



- › material: premium PLUS sheet metal
- › short type with two handles
- › coated with eco colour of Qualicoat quality standard
- › box can be locked with padlock



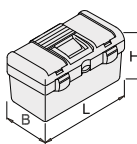
SKU	L1	B	C	L	H	Hi	
608538	460	210	235	485	175	225	3513

## 917A

### Plastic tool box



- › material: polypropylene
- › with removable tool tray inside the box
- › lid contains two compartments in dimension L80 x B140 x H35 mm covered with plastic cover
- › closing with plastic clip
- › box can be locked with padlock



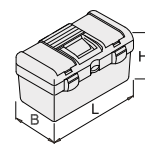
SKU	L	B	H	
619765	514	280	260	1930

## 917C

### Plastic tool box



- › material: polypropylene
- › with removable tool tray inside the box
- › lid contains two compartments in dimension L108 x B200 x H35 mm covered with plastic cover
- › closing with plastic clip
- › box can be locked with padlock



SKU	L	B	H	
619767	394	215	195	920

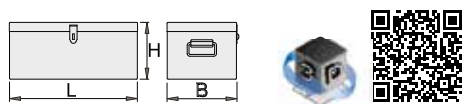


## 960/1

### Tool box



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- intended for transport and storage of tools, power tools, different equipment and documentation. Tool box can be used in various climatic conditions
- box can be locked with padlock



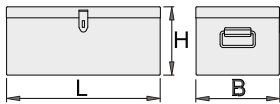
SKU	L	B	H	🔒
605896	700	380	310	18000

## 960/2

### Tool box



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- intended for transport and storage of tools, power tools, different equipment and documentation. Tool box can be used in various climatic conditions
- box can be locked with padlock



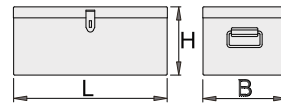
SKU	L	B	H	🔒
605897	840	420	335	23000

## 960/3

### Tool box



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- intended for transport and storage of tools, power tools, different equipment and documentation. Tool box can be used in various climatic conditions
- box can be locked with padlock



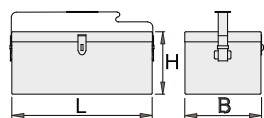
SKU	L	B	H	🔒
605898	910	530	430	31000

## 960/6

### Installers tool box



- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- with synthetic belt
- box can be locked with padlock



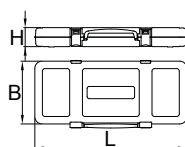
SKU	L	B	H	🔒
603673	550	200	230	5200
612989	620	200	230	4900

## 981K1/4

### Metal box



- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- box delivered without tool tray and tools



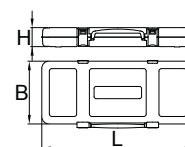
SKU	Nº	L	B	H	🔒
601918	1/4"	197	105	38	275

## 981K3/8

### Metal box



- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- closing mechanism with integrated handle
- box delivered without tool tray and tools



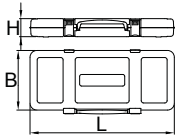
SKU	Nº	L	B	H	🔒
601913	3/8"	321	198	54	798

## 981K1/2

### Metal box



- › empty tool box designed for storing and carrying of tools
- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › closing mechanism with integrated handle
- › box delivered without tool tray and tools



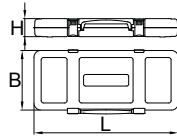
SKU	Nº	L	B	H	
601954	1/2"	448	198	54	1456

## 981K3/4

### Metal box



- › empty tool box designed for storing and carrying of tools
- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › box with metal handle
- › box delivered without tool tray and tools



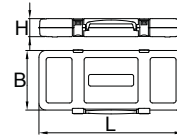
SKU	Nº	L	B	H	
602743	3/4"	505	215	75	2500

## 981K1

### Metal box



- › empty tool box designed for storing and carrying of tools
- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › box with metal handle
- › integrated metal partitions
- › box delivered without tool tray and tools



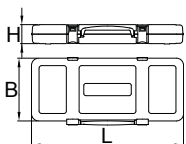
SKU	L	B	H	
603521	670	220	100	4800

## 981K1/2R

### Metal box



- › empty tool box designed for storing and carrying of tools
- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › closing mechanism with integrated handle
- › box delivered without tool tray and tools



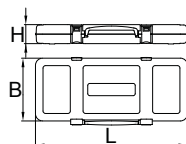
SKU	Nº	L	B	H	
621474	1/2VDE	448	198	54	1489

## 981K3/8R

### Metal box



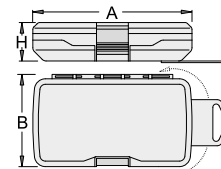
- › empty tool box designed for storing and carrying of tools
- › material: premium PLUS sheet metal
- › coated with eco colour of Qualicoat quality standard
- › closing mechanism with integrated handle
- › box delivered without tool tray and tools



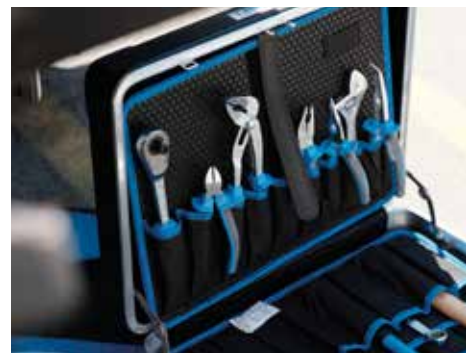
SKU	Nº	L	B	H	
612694	3/8VDE	321	198	54	798

## 982PB2

### Big plastic box for bits

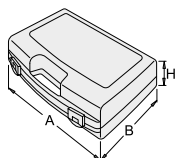
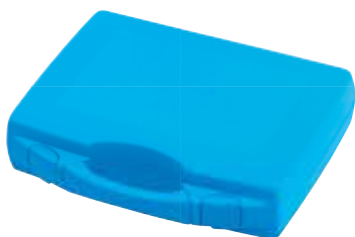


SKU	A	B	H	
621426	145	85	40	92



## 981PB4

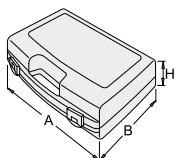
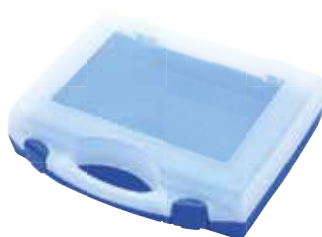
Plastic box for socket wrenches



SKU	A	B	H	
619771	393	331	95	771

## 981PBS1

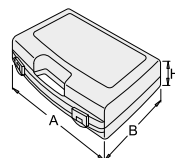
Plastic box for socket wrenches



SKU	A	B	H	
621620	197	167	35	140

## 981PBS2

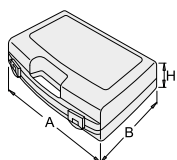
Plastic box for socket wrenches



SKU	A	B	H	
621621	307	260	55	380

## 981PBS3

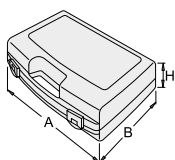
Plastic box for socket wrenches



SKU	A	B	H	
621622	346	292	62	510

## 981PBS5

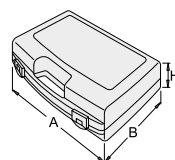
Plastic box for socket wrenches



SKU	A	B	H	
621618	244	207	44	225

## 981PBM1

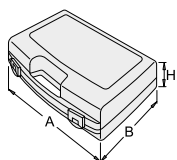
Plastic box for socket wrenches



SKU	A	B	H	
619768	197	167	47	155

## 981PBM2

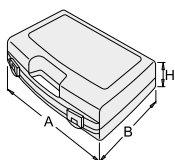
> Plastic box for socket wrenches



SKU	A	B	H	
619769	307	260	74	420

## 981PBM3

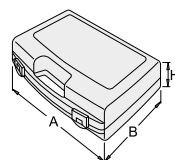
> Plastic box for socket wrenches



SKU	A	B	H	
619770	346	292	83	568

## 981PBM5

> Plastic box for socket wrenches

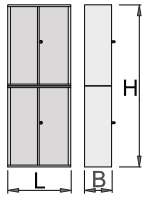


SKU	A	B	H	
621619	244	207	59	240



## 949

### Tool cabinet



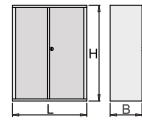
- › material: premium PLUS sheet metal
- › locking with keylock and folding key
- › lock with key included also foam keyring
- › drawers with ball-bearing slides
- › coated with eco colour of Qualicoat quality standard



SKU	L	B	H	
622671	695	660	2030	135000

## 949.1

### Tool cabinet



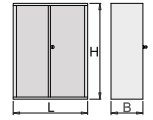
- › material: premium PLUS sheet metal
- › locking with keylock and folding key
- › lock with key included also foam keyring
- › coated with eco colour of Qualicoat quality standard
- › is part of 949



SKU	L	B	H	
622672	695	660	1023	48800

## 949.2

### Tool cabinet



- › material: premium PLUS sheet metal
- › locking with keylock and folding key
- › lock with key included also foam keyring
- › 7 drawers L 560 x W 605 x H 115mm
- › drawers with ball-bearing slides
- › coated with eco colour of Qualicoat quality standard
- › is part of 949



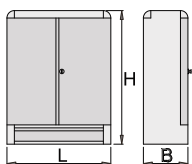
SKU	L	B	H	
622673	695	660	1023	83400

## 948E1

### Tool cabinet



- › material: premium PLUS sheet metal
- › locking with keylock and folding key
- › lock with key included also foam keyring
- › drawers with ball-bearing slides
- › coated with eco colour of Qualicoat quality standard
- › 1 drawer, dimension 560x245x70
- › the interior of the cabinet is fitted with perforated steel plate



SKU	L	B	H	
612215	700	300	900	27500

## 948E1.1

### Accessories for 948E1



- › accessories: hooks (35 pcs dim. 35mm, 10 pcs dim. 50mm and 20 pcs dim. 100mm), with metal stands for wrenches - 3 pcs and chisels - 1 pcs



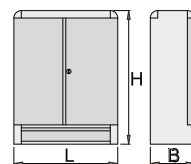
SKU	
612908	2600

## 948E2

### Tool cabinet



- › material: premium PLUS sheet metal
- › locking with keylock and folding key
- › lock with key included also foam keyring
- › coated with eco colour of Qualicoat quality standard
- › the interior of the cabinet is fitted with perforated steel plate



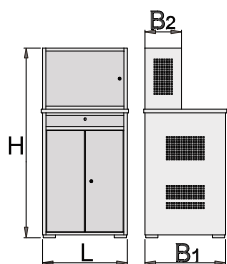
SKU	L	B	H	
612216	700	300	900	26000

## 955IND1

### Industrial tool cabinet



- › applications: production industry; car repair shops; laboratory; ... in situations where measurements are carried out by computer
- › cabinets on the top are suitable for screen (internal dimension is 625x290x430mm)
- › beech plywood plate with a thickness of 20 mm
- › drawer for keyboard dimension 560x450x40 mm
- › in the cabinet it is a place for computer and additional equipment. It is possible to adjust the shelf in 6 different positions. Internal dimensions of cabinet are 635x630x810
- › made from high quality 1 mm thick sheet metal
- › cylindrical lock with flexible key
- › locking with keylock and folding key
- › coated with eco colour of Qualicoat quality standard



SKU	L	B1	B2	H	
622816	715	680	310	1553	76400



## 969L

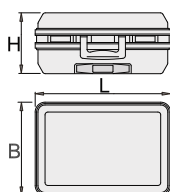
### Tool case



- › mobile case with user-friendly telescopic handle
- › case shells made of dentproof ABS material
- › robust aluminium frame with protection for the sharp edges
- › two lockable clip locks
- › combination lock
- › variable bottom tray
- › interior dimension: L485 x B370 x H200 mm
- › volume: 36 l
- › payload: 30 kg

#### Interior:

- › document partition in the lid (A4 format)
- › Tool case includes 2 removable tool board (double-sided with 22 tool pockets and one-sided with 15 tool pockets)
- › Variable bottom tray with 2 dividers, 4 adaptor pieces and 2 middle caps for shorting dividers
- › Instruction manual to customize bottom tray with dividers are included.



SKU	L	B	H	
621633	515	445	260	6400



## 969S

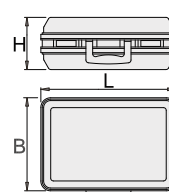
### Tool case



- › case shells made of dentproof ABS material
- › robust aluminium frame with protection for the sharp edges
- › two lockable clip locks
- › combination lock
- › variable bottom tray
- › interior dimension: L460 x B355 x H180 mm
- › volume: 29 l
- › payload 25 kg

#### Interior:

- › document partition in the lid (A4 format)
- › Tool case includes 2 removable tool board (double-sided with 22 tool pockets and one-sided with 15 tool pockets)
- › Variable bottom tray with 2 dividers, 4 adaptor pieces and 2 middle caps for shorting dividers
- › Instruction manual to customize bottom tray with dividers are included.

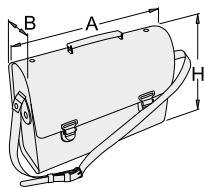


SKU	L	B	H	
621631	500	420	200	4200



**909****Electrical bag**

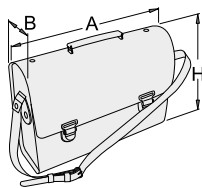
- › Material: artificial leather 650 g, pocket walls 450g
- › Lock, rings, rivets, buckle, protective knob made from metal, chrome plated
- › number of pocket: 28



SKU	A	B	H	📦
601939	420	140	320	2400

**909/1****Electrical bag**

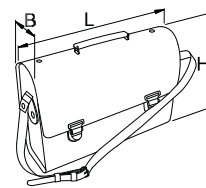
- › Material: artificial leather 650 g, pocket walls 450g
- › Lock, rings, rivets, buckle, protective knob made from metal, chrome plated
- › number of pocket: 11



SKU	A	B	H	📦
602552	350	110	300	1542

**909/1PES****Electrical bag**

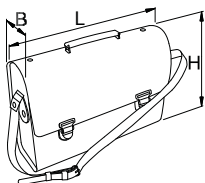
- › Material: polyester
- › Lock, rings, rivets, buckle, protective knob made from metal, chrome plated
- › number of pocket: 11



SKU	L	B	H	📦
624058	350	110	300	1253

**909PES****Electrical bag**

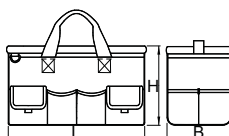
- › Material: polyester
- › Lock, rings, rivets, buckle, protective knob made from metal, chrome plated
- › number of pocket: 28



SKU	L	B	H	📦
624057	420	140	320	2035

**1112****Tool bag**

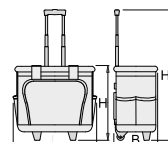
- › material: polyester fabric
- › zip closing
- › dimensions: L510 x W280 x H310 mm
- › volume 28l
- › 2 solid handles with stuffed grip, removable and adjustable shoulder strap with sliding rubber buffer
- › outer bottom protection with 6 rubber legs
- › 6 internal pockets for tools storing
- › large zip opening for easy access
- › 10 outer tool pockets for better organizing of tools
- › 2 outer tool pockets with Velcro fastening



SKU	L	B	H	📦
628162	510	280	310	1604

**1113****Tool bag with wheels**

- › material: polyester fabric
- › zip closing
- › dimensions: L460 x W270 x H400 mm
- › volume 25l
- › mobile tool bag with user-friendly telescopic handle
- › 2 solid handles with stuffed grip
- › bag shells made of dentproof ABS material
- › large zip opening for easy access
- › removable double tool board with 40 tool pockets with velcro fastening
- › 4 internal pockets and elastic loop for tools storing
- › 8 outer tool pockets for better organizing of tools, 3 of them protect with zip closing
- › delivered without tools

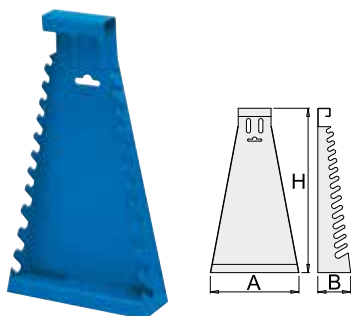


SKU	L	B	H	H1	📦
628163	460	270	400	1050	4525



## 977/1

### Metal stand for open end wrenches

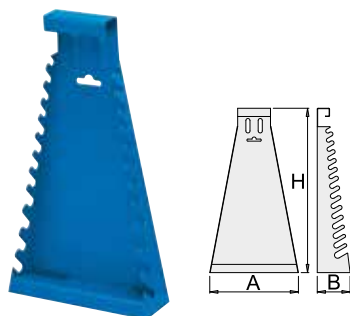


- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
605160	6 - 32/12	180	50	330	420

## 977/2

### Metal stand for combination wrenches - long type

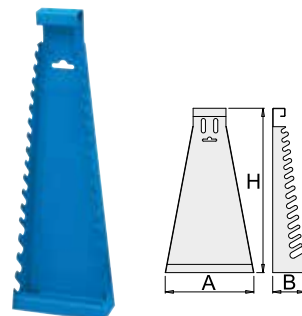


- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
605161	6 - 22/17	215	55	420	590

## 977/3

### Metal stand for combination wrenches - short type

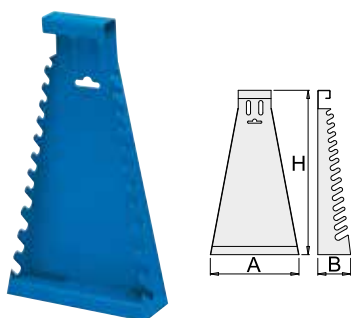


- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
605162	6 - 22/17	115	60	420	790

## 977/4

### Metal stand for offset ring wrenches

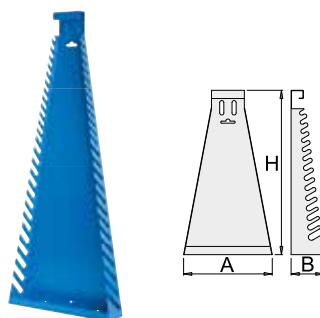


- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
605163	6 - 32/12	220	80	410	890

## 977/5

### Metal stand for combination wrenches, long type

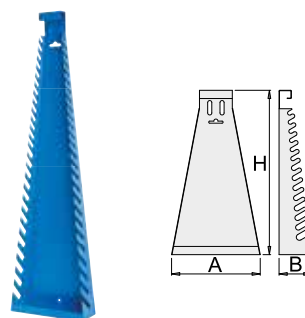


- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
607386	6 - 32/26	305	65	730	890

## 977/6

### Metal stand for combinations wrenches, short type

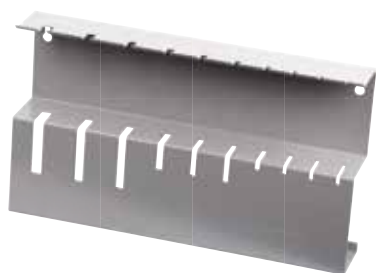


- › material: premium sheet metal
- › coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
607387	6 - 32/26	205	65	730	890

## 977/7

### Metal stand for screwdrivers with T-handle



SKU	
608355	890

## 950.1

### Frame for identification card



SKU	
617188	24

## 950.3

### Shelf for 950/9,6,3,2,1



SKU	
617177	2170

## 950.4

### Waved plastic insert for 950/9,6,3,2,1



SKU

617187

150

## 997.1

### Hook, 10 pcs set



- › for display boards, display panel and tool cabinets
- › it is possible to fix the hangers in a required position
- › chrome plated

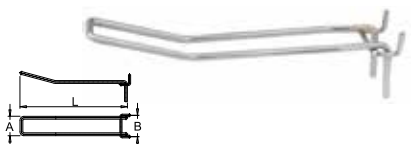


SKU	L	D	
609478	35	4	100
609479	50	4	120
609480	80	4	134
609447	100	4	161
610559	150	5	296
610560	200	5	368

**MADE  
FOR  
WORK.**

## 997.4

### Double hook, 10 pcs set

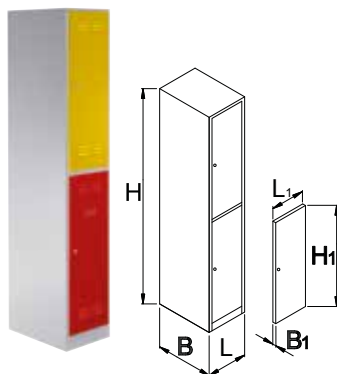


- › for display boards, display panel and tool cabinets
- › it is possible to fix the hangers in a required position
- › chrome plated

SKU	L	A	B	
623346	150	27	30	405
623347	200	27	30	485
623348	250	27	30	596
623349	300	27	30	695

## 950/2

### Wardrobe cabinet, 2 compartments



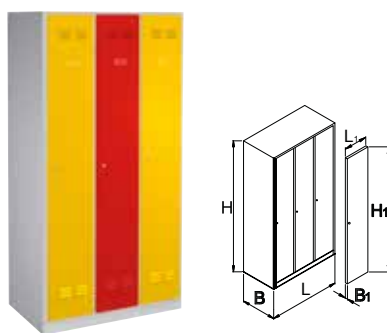
- › The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- › the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- › the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).



SKU	L	B	H	L1	B1	H1	
617115	350	500	1880	300	20	875	35000

## 950/3V

### Wardrobe cabinet, 3 compartments



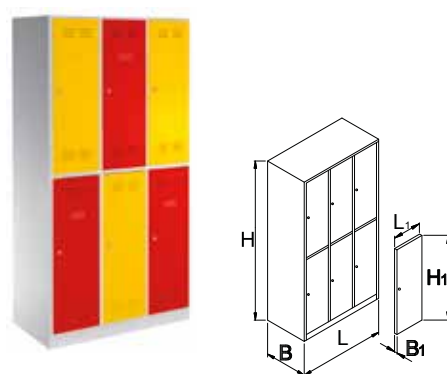
- › The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- › the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- › the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).



SKU	L	B	H	L1	B1	H1	
617175	1000	500	1880	300	20	1775	75000

## 950/6

### Wardrobe cabinet, 6 compartments



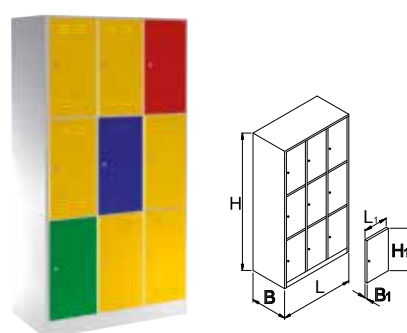
- › The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- › the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- › the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).



SKU	L	B	H	L1	B1	H1	
616652	1000	500	1880	300	20	875	75000

## 950/9

### Wardrobe cabinet, 9 compartments



- › The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- › the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- › the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).



SKU	L	B	H	L1	B1	H1	
617116	1000	500	1880	300	20	575	95000

## Clear tool storage

With its clear tool storage and easy accessibility, Unior workshop equipment helps you keep your workshop in order and thereby increases your productivity.



# JUMBO

Unior Hand Tools has developed something completely new for professionals, as well as hobby enthusiasts, who will definitely be impressed. Quality, convenience, functional perfection, order and above all, the size of the drawers, the working surface and the tool carriages themselves, are the main characteristics of the new Jumbo tool carriages. They will be an essential for all those who would like to take their approach to work and quality of the work to the next level. In addition to their size, which distinguishes them from other Unior tools carriages, the new tool carriages are available in 3 different versions. With their attractive appearance and size, the new Jumbo carriages really live up to their name, so let us introduce them to you!



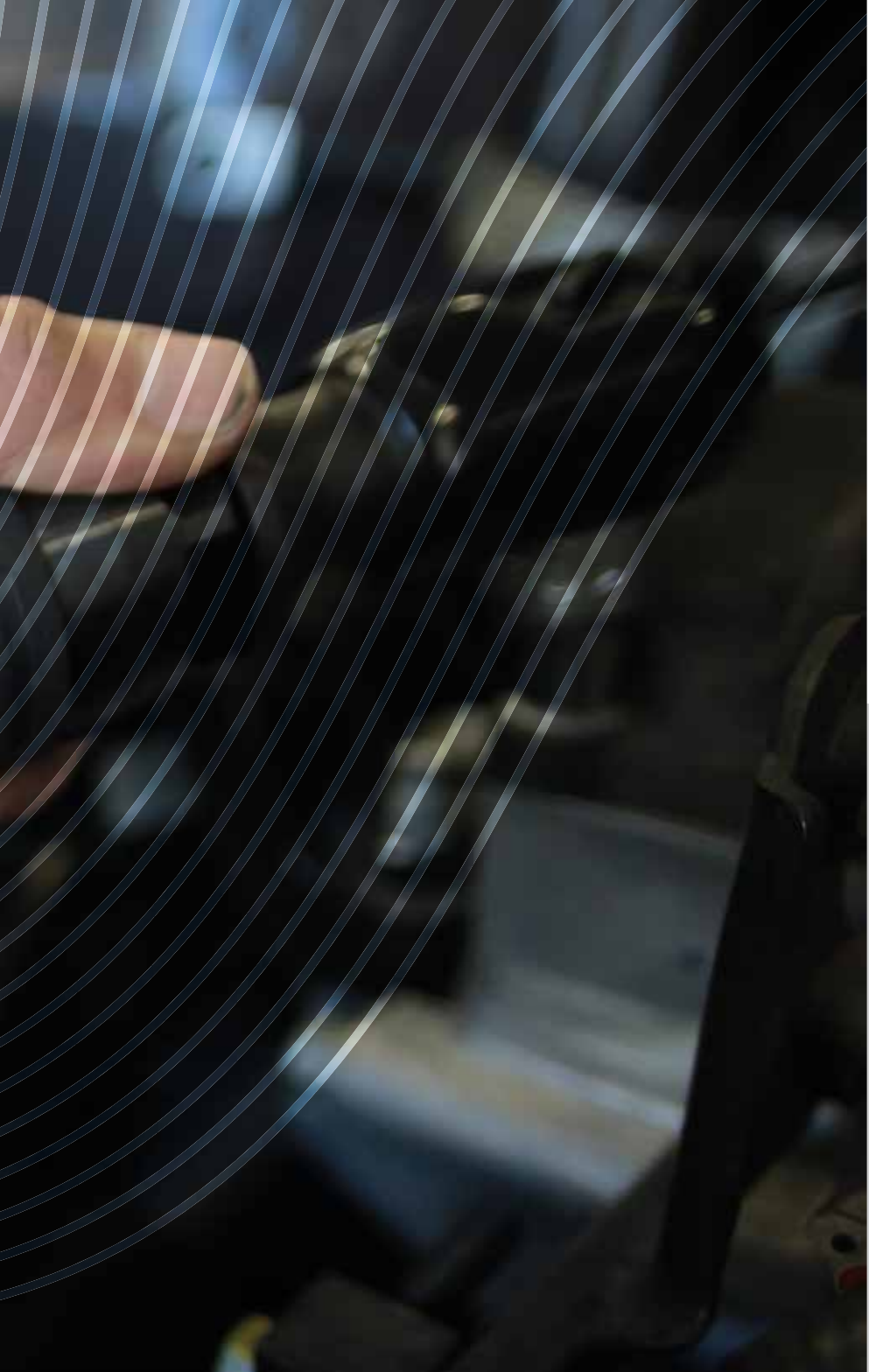




# PNEUMATIC TOOLS AND ACCESSORIES

**For better ergonomics, greater power and lightness of the tool!**

In this area too, Unior has made a major breakthrough and comprehensive progress towards increasingly modern pneumatic tools. Unlike in the past, these are today made of artificial materials and with a much improved internal mechanism. All this provides the user with better ergonomics, greater strength and lightness of the tool itself, and above all enables faster work and a long service life for the tool, even in difficult conditions. Unior pneumatic tools are also characterized by high quality and safe operation, in accordance with the highest safety standards. Due to its simple use, the tool is suitable for both home and professional users.



**LIGHTNESS** – as the new line of pneumatic tools is made of a composite material, which makes it easier to use for longer periods.



**INTEGRITY** – as in addition to screwdrivers and ratchets, we also offer impact socket wrenches and all the pneumatic accessories needed when using pneumatic tools.



**VARIOUS ATTACHMENTS** – where the screwdrivers are available in 3/8", 1/2", 3/4", 1", 1.1/2" attachments, which means the user can make the right choice for the appropriate work.

**EXTEND THE WARRANTY OF YOUR PRODUCT AND REGISTER IT ON OUR WEB PAGE.**



**HOW TO CONNECT UNIOR PNEUMATIC TOOLS?**



PNEUMATIC RATCHETS	250 - 251
PNEUMATIC IMPACT WRENCHES	252 - 255
OTHER PNEUMATIC TOOLS	256 - 260

### Pneumatic reversible ratchet with composite housing



- › free speed 200 revolution per minutes
- › max. torque 41 Nm
- › recommended air pressure: 6,2 Bar
- › air consumption 113 l/min
- › air inlet 1/4"

#### Advantages:

- › thick wall ratchet head
- › ball bearing
- › cushioned grip
- › new air regulator
- › 360° swivel air inlet
- › rear exhaust
- › low noise 79dB(A)
- › small and compact tool
- › quality production
- › handy turn-on switch
- › fast and handy adjustment of the rotation direction

#### Usage:

- › car industry
- › aircraft industry
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › individual mounting

#### Important!

- › The use of Unior IMPACT sockets is recommended.

### Pneumatic reversible ratchet



- › free speed 250 revolution per minutes
- › max. torque 54 Nm
- › maximum air pressure: 6,2 Bar
- › air consumption 71 l/min
- › air inlet 1/4"
- › max bolt size M6

#### Advantages:

- › small and compact tool
- › quality production
- › handy turn-on switch
- › fast and handy adjustment of the rotation direction
- › sluice-gate enabling prevention of air inlet into the tool

#### Usage:

- › car industry
- › aircraft industry
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › individual mounting

#### Important!

- › The use of Unior IMPACT sockets is recommended.

### Pneumatic reversible ratchet with composite housing



- › free speed 200 revolution per minutes
- › max. torque 54 Nm
- › recommended air pressure: 6,2 Bar
- › air consumption 113 l/min
- › air inlet 1/4"
- › max bolt size M8

#### Advantages:

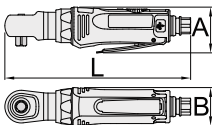
- › thick wall ratchet head
- › ball bearing
- › cushioned grip
- › new air regulator
- › 360° swivel air inlet
- › rear exhaust
- › low noise 79dB(A)
- › small and compact tool
- › quality production
- › handy turn-on switch
- › fast and handy adjustment of the rotation direction

#### Usage:

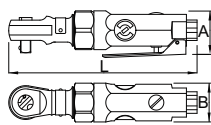
- › car industry
- › aircraft industry
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › individual mounting

#### Important!

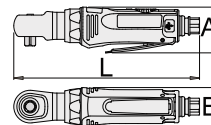
- › The use of Unior IMPACT sockets is recommended.



1/4"



3/8"



3/8"



SKU	■	L	A	B	Nm	🔒
627565	1/4"	196	49	40,8	41	749

SKU	■	L	A	B	Nm	🔒
615318	3/8"	165	37	41	54	520

SKU	■	L	A	B	Nm	🔒
627566	3/8"	196	49	40,8	54	748





**Pneumatic reversible ratchet**

- free speed 160 revolution per minutes
- max. torque 81 Nm
- maximum air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- max bolt size M10

**Advantages:**

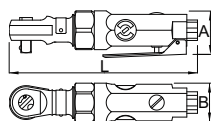
- small and compact tool
- quality production
- handy turn-on switch
- fast and handy adjustment of the rotation direction
- sluice-gate enabling prevention of air inlet into the tool

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

- The use of Unior IMPACT sockets is recommended.



1/2"

SKU	■	L	A	B	Nm	🔧
615319	1/2"	254	45	41	81	1370

**Pneumatic reversible ratchet with composite housing**

- free speed 150 revolution per minutes
- max. torque 90 Nm
- recommended air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- max bolt size M10

**Advantages:**

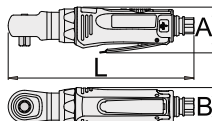
- thick wall ratchet head
- ball bearing
- cushioned grip
- new air regulator
- 360° swivel air inlet
- rear exhaust
- low noise 79dB(A)
- small and compact tool
- quality production
- handy turn-on switch
- fast and handy adjustment of the rotation direction

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

- The use of Unior IMPACT sockets is recommended.



1/2"

SKU	■	L	A	B	Nm	🔧
627567	1/2"	256	56	47,8	90	1332

**Impact wrench**

- free speed 10000 revolution per minutes
- max. torque 271 Nm
- maximum air pressure: 6,2 Bar
- air consumption 71 l/min
- air inlet 1/4"
- max bolt size M10

**Advantages:**

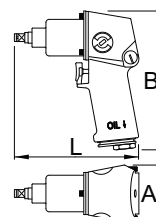
- controlled torque
- fast screwing
- wide range of use

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

- Always use Unior IMPACT sockets.



3/8"

SKU	■	L	A	B	Nm	🔧
615320	3/8"	139	73,5	175	271	1350



1561

## Impact wrench



- › free speed 8000 revolution per minutes
- › max. torque 814 Nm
- › maximum air pressure: 6,2 Bar
- › air consumption 113 l/min
- › air inlet 1/4"
- › max bolt size M16

**Advantages:**

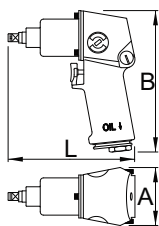
- › controlled torque
- › fast screwing
- › wide range of use

**Usage:**

- › car industry
- › aircraft industry
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › individual mounting

**Important!**

- › Always use Unior IMPACT sockets.



SKU	■	L	A	B	Nm	1/2"
615322	1/2"	188	70	190	814	2910



1562

## Impact wrench



- › free speed 7000 revolution per minutes
- › max. torque 949 Nm
- › maximum air pressure : 6,2 Bar
- › air consumption 119 l/min
- › air inlet 1/4"
- › max bolt size M18

**Advantages:**

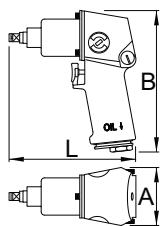
- › controlled torque
- › fast screwing
- › wide range of use

**Usage:**

- › car industry
- › aircraft industry
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › individual mounting

**Important!**

- › Always use Unior IMPACT sockets.



SKU	■	L	A	B	Nm	1/2"
615321	1/2"	204	70	192	949	2800

1563

## Stubby impact wrench



- › free speed 8000 revolution per minutes
- › max. torque 745 Nm
- › recommended air pressure: 6,2 Bar
- › air consumption 164 l/min
- › air inlet 1/4"
- › noise level 104dB(A)
- › max bolt size M20

**Advantages:**

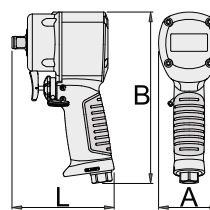
- › composite motor housing
- › handle exhaust (silencer)
- › one hand forward / reverse
- › compact and powerful
- › jumbo hammer mechanism

**Usage:**

- › car industry
- › aircraft industry
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › individual mounting

**Important!**

- › Always use Unior IMPACT sockets.



SKU	■	L	A	B	Nm	1/2"
627568	1/2"	105,4	63	177	745	1329



1564

**Angle impact wrench**

- free speed 8000 revolution per minutes
- max. torque 343 Nm
- recommended air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- noise level 92 dB(A)
- max bolt size M16

**Advantages:**

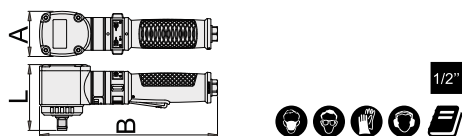
- aluminium motor housing
- composite handle
- handle exhaust (silencer)
- one hand forward / reverse
- compact and powerful
- jumbo hammer mechanism

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

- Always use Unior IMPACT sockets.



SKU	■	L	A	B	Nm	🔧
627569	1/2"	88	60	237	343	1332



1566

**Impact wrench**

- free speed 8000 revolution per minutes
- max. torque 1223 Nm
- recommended air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- noise level 93 dB(A)
- max bolt size M24

**Advantages:**

- composite motor housing
- twin hammer mechanism
- one hand forward / reverse
- compact and powerful
- variable speed trigger

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

- Always use Unior IMPACT sockets.



SKU	■	L	A	B	Nm	🔧
627570	1/2"	187	70	193	1223	2227



1571

**Impact wrench**

- free speed 6500 revolution per minutes
- max. torque 1085 Nm
- maximum air pressure: 6,2 Bar
- air consumption 198 l/min
- air inlet 1/4"
- max bolt size M24

**Advantages:**

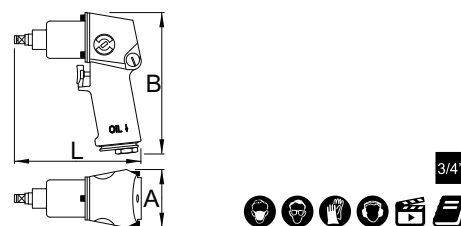
- controlled torque
- fast screwing
- wide range of use

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

- Always use Unior IMPACT sockets.



SKU	■	L	A	B	Nm	🔧
615324	3/4"	236	80	240	1085	4550

1565

**Impact wrench and socket set 1/2" in plastic box**

- Dimension of box: 346 x 292 x 83



SKU	■	🔧
615516	10 - 27	17
1561 (1/2"/824 Nm), 231.4/4 (1/2"x125, 1/2"x75), 231.8/4 (10 - 14, 15 - 32), 231/4 6p (10, 13, 17, 19, 21, 22, 24, 27), 231/4L6p (17, 19, 21, 22, 24, 27)		



1573

## Impact wrench



- › free speed 5500 revolution per minutes
- › max. torque 2034 Nm
- › recommended air pressure: 6,2 Bar
- › air consumption 198 l/min
- › air inlet 3/8"
- › noise level 93 dB(A)
- › max bolt size M30

### Advantages:

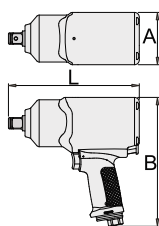
- › composite motor housing
- › twin hammer mechanism
- › one hand forward / reverse
- › compact and powerful
- › variable speed trigger

### Usage:

- › car industry
- › aircraft industry
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › individual mounting

### Important!

- › Always use Union IMPACT sockets.



3/4"

SKU	■	L	A	B	Nm	🔧
627571	3/4"	220	88	217	2034	3764



1591

## Impact wrench



- › free speed 4000 revolution per minutes
- › max. torque 2439 Nm
- › maximum air pressure: 6,2 Bar
- › air consumption 340 l/min
- › air inlet 1/2"
- › max bolt size M36

### Advantages:

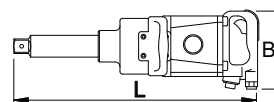
- › controlled torque
- › fast screwing
- › wide range of use

### Usage:

- › car industry
- › aircraft industry
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › individual mounting

### Important!

- › Always use Union IMPACT sockets.



SKU	■	B	L	Nm	🔧
615325	1"	650	495	2439	13600

1575

## Impact wrench and socket set 3/4" in plastic box



- › Dimension of box: 393 x 331 x 95



SKU	🔧
617161	7
1571 (3/4"/1085 Nm), 232/4 6p (19, 24, 27, 32, 36, 41)	

1592

## Impact wrench



- free speed 4000 revolution per minutes
- max. torque 2439 Nm
- maximum air pressure: 6,2 Bar
- air consumption 340 l/min
- air inlet 1/2"
- max bolt size M36

**Advantages:**

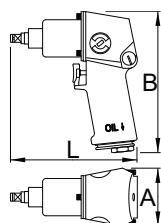
- controlled torque
- fast screwing
- wide range of use

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

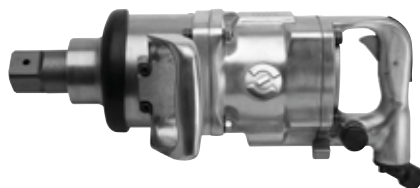
- Always use Unior IMPACT sockets.



SKU	■	L	A	B	Nm	🔧
615326	1"	307	114	280	2439	12800

1596

## Impact wrench



- free speed 3000 revolution per minutes
- max. torque 3388 Nm
- maximum air pressure: 6,2 Bar
- air consumption 410 l/min
- air inlet 1/2"
- max bolt size M45

**Advantages:**

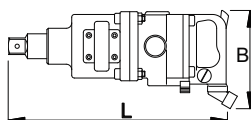
- controlled torque
- fast screwing
- wide range of use

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

- Always use Unior IMPACT sockets.



SKU	■	B	L	Nm	🔧
617690	1.1/2"	550	450	3388	17800

1597

## Impact wrench



- free speed 3000 revolution per minutes
- max. torque 4065 Nm
- maximum air pressure: 6,2 Bar
- air consumption 435 l/min
- air inlet 1/2"
- max bolt size M52

**Advantages:**

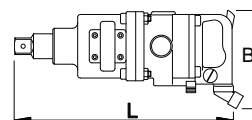
- controlled torque
- fast screwing
- wide range of use

**Usage:**

- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

**Important!**

- Always use Unior IMPACT sockets.



SKU	■	B	L	Nm	🔧
617691	1.1/2"	545	465	4065	18600



## 1510

### Pneumatic sander



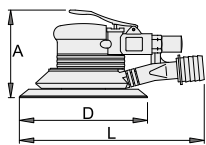
- free speed 10000 revolution per minutes
- maximum air pressure : 6,2 Bar
- air consumption 212 l/min
- air inlet 1/4"
- Velcro sander pad

#### Advantages:

- the ergonomic shape of the handle enables good grip and prevents gliding
- suitable for lefthanders as well as for right-handers
- silent and powerful drive
- handy on/off switch
- exhaustion of parts into a bag for a cleaner workplace
- flexible and robust pipe for cleaning dust
- it does not leave edges on the working platform
- better work conditions due to minimal vibrations
- extreme power based on its weight (1.2 kg)

#### Usage:

- vehicle workshops
- preparation of different working platforms for further process
- ideal for grinding construction steel, metals and wood
- The basis of sander is VELCRO™ system which is: quick, simple and safe to mount and unmount various sander pads. This system is being used for various occasions - the best known example is training shoes with VELCRO™ fastening.



SKU	Nº	L	A	D	
617733	2.5	220	105	150	1600
617713	5	220	105	150	1615



## 1514

### Stroke pneumatic hammer



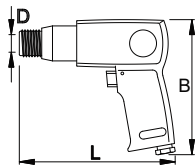
- used for cutting sheet, bolts and removing welding slag, rivets, plaster and tiles
- with spring, quick change retainer as spare parts
- piston stroke length: 170 - 67mm, 225 - 92mm
- bore diameter 9,1mm
- stroke per minute: 170 - 3000, 225 - 2100
- air consumption 250 l/min
- air inlet 1/4"

#### Advantages:

- light and compact tool, used also in small rooms
- wide range of use
- change retainer

#### Usage:

- car industry
- cutting of sheet metal and screws
- removal of welds
- working on walls, concrete, stones, bricks, steel, light metals



SKU	L	B	D	
617714	170	150	19	1810
617715	225	150	19	2160



## 1514.1B

### Spring for 1514



SKU	
617716	69

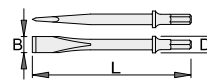
## 1514A1

### Flat chisel



#### Usage:

- Shaping and cleaning of welds, trimming of bolts and nails, production of slots, cleaning and evening of uneven surfaces.



SKU	L	B	D	
617718	182	18	19	181

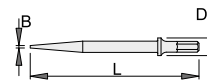
## 1514A2

### Pointed chisel



#### Usage:

- removing pins and rivets, making holes



SKU	L	B	D	
617719	180	2	19	154

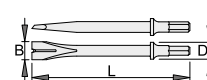
## 1514A3

### Rivet and welding slag chisel



#### Usage:

- removing rivets and welding slags



SKU	L	B	D	
617720	180	20	19	179



## 1514.2B

### Quick change retainer for 1514



- › for fast and simple attachment/removing of the chisel
- › quick replacement with releasing the upper releasing ring
- › ribbed releasing ring for maximum grip when replacing

SKU	
617717	351

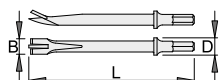
## 1514A4

### Sheet cutting chisel



#### Usage:

- › cutting sheet metal



SKU	L	B	D	
617721	180	16.7	19	178

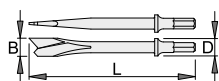
## 1514A5

### V edge chisel



#### Usage:

- › cutting sheet metal



SKU	L	B	D	
617722	190	19.2	19	187

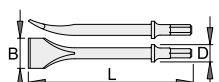
## 1514A6

### Spade chisel



#### Usage:

- › shaping and cleaning of welds, trimming of bolts and nails, production of slots, cleaning and evening of uneven surfaces



SKU	L	B	D	
617723	178	32.8	19	207

## 1514PB

### Stroke pneumatic hammer, with set of chisels



- › Dimension of box: 307 x 260 x 70

SKU	
619964	7
1514 (170), 1514A1 (182), 1514A2 (180), 1514A3 (180), 1514A4 (180), 1514A5 (190), 1514A6 (178),	

## 1515

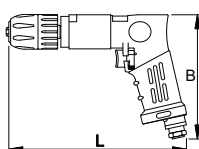
### Pneumatic drill



- › reversible
- › free speed 1800 revolution per minutes
- › maximum air pressure: 6,2 Bar
- › air consumption 113 l/min
- › air inlet 1/4"
- › chuck capacity 1,0 - 10mm
- › spindle thread 3/8", 24 UNF
- › internal hose size 10mm

#### Advantages:

- › extreme power based on size
- › lightweight, compact and easy-to-master tool
- › handy turn-on switch
- › ergonomically shaped handle for work without effort
- › plastic cover for handle dampens vibrations
- › reversible turning
- › quick change retainer



SKU	L	B	
617726	190	150	1360



## 1515H

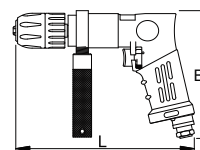
### Pneumatic drill with handle



- › reversible turning
- › free speed 800 revolution per minutes
- › maximum air pressure : 6,2 Bar
- › air consumption 113 l/min
- › air inlet 1/4"
- › chuck capacity 1,5 - 13mm
- › spindle thread 3/8", 24 UNF
- › internal hose size 10mm

#### Advantages:

- › extreme power based on size
- › lightweight, compact and easy-to-master tool
- › adjustable handle for better support
- › handy turn-on switch
- › ergonomically shaped handle for work without effort
- › plastic cover for handle dampens vibrations
- › reversible turning
- › quick change retainer



SKU	L	B	
617727	220	150	1570



## 1516

### Pneumatic die grinder



- › free speed 25000 revolution per minutes
- › maximum air pressure: 6,2 Bar
- › air consumption 113 l/min
- › air inlet 1/4"
- › collet capacity 6 mm
- › internal hose size 10mm

#### Advantages:

- › safety lever which prevents accidental turn-on
- › simple clamping of thin cut-off wheels (grinding/polishing pins) and other parts/ extensions
- › extreme power based on size
- › small and compact tool
- › continuously variable regulation of rpm

#### Usage:

- › precise grinding
- › full grinding
- › tool industry
- › car industry
- › aircraft industry
- › cleaning of welds
- › cleaning of concrete and wall surfaces
- › cleaning of wooden surfaces
- › removal of colours and varnish
- › removal of rust
- › grinding of bearings
- › grinding of motor valves
- › grinding of gears and coils
- › various other surfaces

## 1516A

### Pneumatic angle die grinder



- › free speed 20000 revolution per minutes
- › maximum air pressure: 6,2 Bar
- › air consumption 113 l/min
- › air inlet 1/4"
- › collet capacity 6 mm
- › internal hose size 10mm

#### Advantages:

- › this angle edition enables access to difficult-to-reach places which normal grinders cannot reach
- › safety lever which prevents accidental turn-on
- › simple clamping of thin cut-off wheels (grinding/polishing pins) and other parts/ extensions
- › extreme power based on size
- › small and compact tool
- › continuously variable regulation of rpm

#### Usage:

- › precise grinding
- › full grinding
- › tool industry
- › car industry
- › aircraft industry
- › cleaning of welds
- › cleaning of concrete and wall surfaces
- › cleaning of wooden surfaces
- › removal of colours and varnish
- › removal of rust
- › grinding of bearings
- › grinding of motor valves
- › grinding of gears and coils
- › various other surfaces

## 1517S

### Pneumatic angle sander



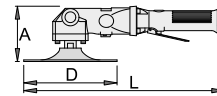
- › free speed 4500 revolution per minutes
- › maximum air pressure: 6,2 Bar
- › air consumption 340 l/min
- › air inlet 1/4"
- › spindle thread 5/8"

#### Advantages:

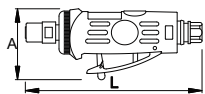
- › small and compact tool
- › suitable for lefthanders as well as for right-handers
- › removable handle
- › handy turn-on switch

#### Usage:

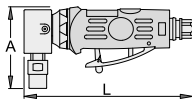
- › grinding of welds
- › grinding of sharp edges
- › reparation of small uneven surfaces



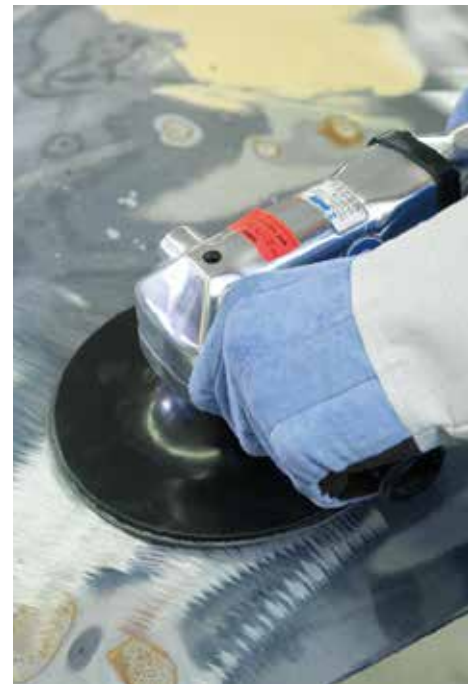
SKU	L	A	D	h
617729	375	100	175	2610



SKU	L	A	h
617731	155	60	390



SKU	L	A	h
617732	162	76	740



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WORK.**

**1518**

### Pneumatic angle grinder



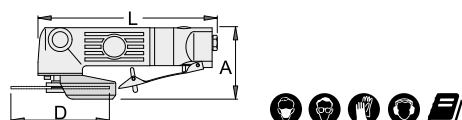
- free speed 11000 revolution per minutes
- maximum air pressure: 6,2 Bar
- air consumption 170 l/min
- air inlet 1/4"

#### Advantages:

- removable handle
- safety lever prevents unwanted turn-on

#### Usage:

- protection from rotating parts
- also usable in small rooms/places
- tool industry
- cleaning of welds
- cleaning of concrete and wall surfaces
- cleaning of wooden surfaces
- removal of colours and varnish
- removal of rust
- cutting profile carriers and sheet metal
- other home use



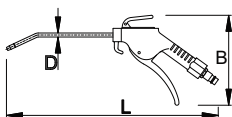
SKU	L	A	D	
617730	230	90	125	2175


**1508A**

### Pneumatic duster



- maximum air pressure: 10,9 Bar
- air consumption 220 l/min



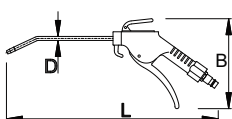
SKU	L	B	D	
617767	260	135	6	153

**1508B**

### Long pneumatic duster



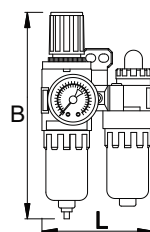
- maximum air pressure: 10,9 Bar
- air consumption 220 l/min



SKU	L	B	D	
617768	420	150	6	178

**1500**

### Pneumatic filter regulator and lubricator 1/4"

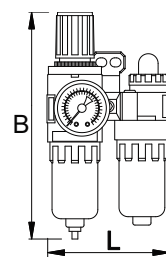


- air inlet 1/4"
- maximum air pressure: 9,5 Bar
- air consumption 600 l/min
- working pressure 0,5 - 8,5 Bar
- working temperature 5 - 60 °C
- filtering grade 5μ
- filter capacity 15ml
- lubricator capacity 25ml

SKU	L	B	
617735	90	155	491

**1501**

### Pneumatic filter regulator and lubricator 3/8"

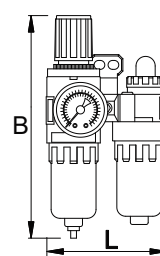


- air inlet 3/8"
- maximum air pressure: 9,5 Bar
- air consumption 1800 l/min
- working pressure 0,5 - 8,5 Bar
- working temperature 5 - 60 °C
- filtering grade 5μ
- filter capacity 60ml
- lubricator capacity 90ml

SKU	L	B	
617736	150	270	1285

**1502**

### Pneumatic filter regulator and lubricator 1/2"



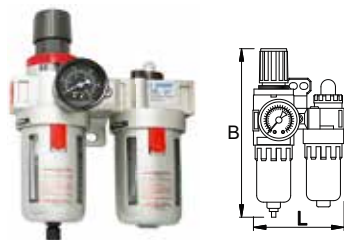
- air inlet 1/2"
- maximum air pressure: 9,5 Bar
- working pressure 0,5 - 8,5 Bar
- working temperature 5 - 60 °C
- filtering grade 5μ
- air consumption 2300 l/min
- filter capacity 60ml
- lubricator capacity 90ml

SKU	L	B	
617737	150	220	1265



## 1503

### Pneumatic filter regulator and lubricator 3/4"

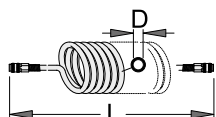


- › air inlet 3/4"
- › maximum air pressure: 9,5 Bar
- › working pressure 0,5 - 8,5 Bar
- › working temperature 5 - 60 °C
- › filtering grade 5μ
- › air consumption 2500 l/min
- › filter capacity 60ml
- › lubricator capacity 90ml

SKU	L	B	W
621473	190	240	1805

## 1505

### Spiral pneumatic hose



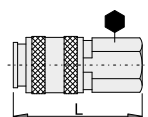
SKU	L (m)	mm	D	W
617743	9	1/4"	6.5 x 10	850
617744	9	1/4"	8 x 12	894
617745	9	3/8"	11 x 16	1526
617746	12	1/4"	6.5 x 10	835
617747	12	1/4"	8 x 12	1076
617748	12	3/8"	11 x 16	1847

## 1506KN7

### Coupling, female part



- › metal housing
- › inside thread



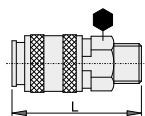
SKU	mm	mm	L	W
617795	R1/4"	20	54.5	113
617796	R3/8"	20	55	105

## 1506KZ7

### Coupling, female part



- › metal housing
- › outside thread



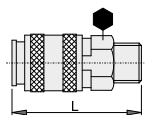
SKU	mm	mm	L	W
617793	R1/4"	20	58	98
617794	R3/8"	20	54	101

## 1506KZ10

### Coupling, female part



- › metal housing
- › outside thread



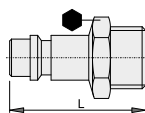
SKU	mm	mm	L	W
621452	3/8"	24	62.5	149
621453	1/2"	24	65.0	156
621454	3/4"	27	67.1	191

## 1507Z7

### Coupling, male part



- › inside hose diameter Ø7mm
- › outside thread
- › metal housing



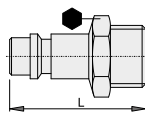
SKU	mm	mm	L	W
617797	R1/4"	14	34	24
617798	R3/8"	19	36.5	34
618483	R1/2"	22	39	40

## 1507Z10

### Coupling, male part



- › outside thread
- › inside hose diameter Ø10mm
- › metal housing



SKU	mm	mm	L	W
621455	3/8"	17	39.4	38
621456	1/2"	24	39.4	53
621457	3/4"	27	48.5	86









# MEASURING TOOLS

**Precision is more important today than ever!**

Measurements and measurement tools have always been important, but in this area, too, trends are changing, and everything is moving in the direction of upgrading the tools in the field of electronics. It is also important to measure, store and process data as accurately as possible. This is precisely why there is considerable progress in the integration of measuring tools with computers and in their digitisation.





» **VARIETY** – because the lines include measuring tools for different work, from torque wrenches, measuring tapes, spirit levels, feeler gauges and other measuring tools.

» **SERVICE AND CALIBRATION** – for torque wrenches, we offer repairs with spare parts, as well as regular calibrations.

» **PRECISION** – as each tool has a verified precision grade, which offers the user reliability in the measurements performed.



**EXTEND THE WARRANTY OF YOUR PRODUCT  
AND REGISTER IT ON OUR WEB PAGE!**

TORQUE WRENCHES	266 - 267
MEASURING TAPES	268 - 269
SPIRIT LEVELS	269
TYRE SQUARES	269 - 270
SCREEDING LEVEL	270
CALLIPERS	270
OTHER MEASURING TOOLS	271

## We focus! Unior torque spanner

Unior's product line contains several different types of torque wrenches, for different uses. Thus, we offer standard mechanical adjustable torque wrenches in a wide range of operation, as well as electronic torque wrenches. Unior torque wrenches are used in precision work, such as bicycle servicing, up to industrial use on heavier machines and devices where precision is crucial for the reliable operation of the machine or device.

Each wrench is designed to offer the highest possible precision and ease of use, while remaining ergonomic for comfortable working. This is why each Unior torque wrench is carefully calibrated and ready for immediate use, as confirmed by the included certificate on precision.

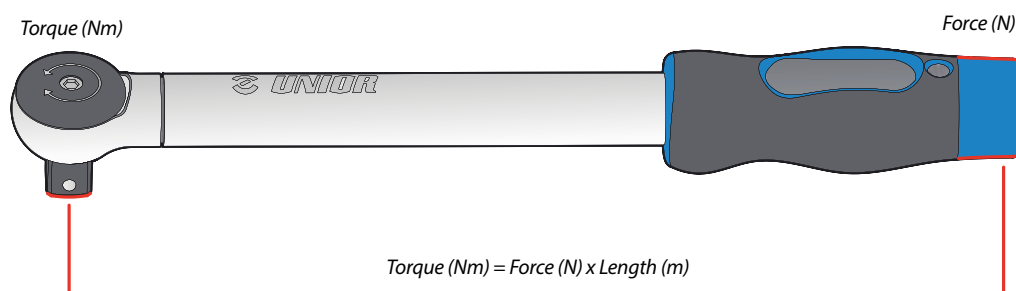
## Torque wrenches

Unior offers a broad range of professional torque products. Our torque product line ranges from dial torque wrenches, slipper torque wrenches, torque wrenches and industrial torque wrenches. Each torque wrench is manufactured to precise specifications for maximum performance for your torque application. Each Unior torque wrench includes Calibration Certificate that verifies the actual readings.

Unior torque wrenches are certified to meet, and exceed the standards specified in ISO 6789.

## What is a torque wrench?

A torque wrench is a wrench used to precisely set the torque of a fastening such as a nut or bolt. It is usually in the form of a socket wrench with special internal mechanisms. A torque wrench is used where the tightness of screws and bolts is crucial. It allows the operator to measure the torque applied to the bolt so it can be matched to the specifications.







## Electronic torque wrench



- › target torque warning: buzzer + 12 LED lights
- › operation mode: peak hold / track
- › unit selection: N-m, in-lb, ft-lb, kg-cm
- › head type: interchangeable head
- › gear teeth: 52
- › battery: AA x 2 pcs (not included)
- › battery life (continuous operation): 110 hrs.
- › battery life (standby): 1 year
- › data memory size: 250 inputs
- › 10 preset torque settings
- › operating temperature: -10°C ~ 60°C
- › storage temperature: -20°C ~ 70°C
- › humidity: up to 90 % non-condensing
- › drop test: 1 m
- › vibration test: 10G
- › warranty: 10.000 cycle / one year
- › electromagnetic compatibility certificate
- › accuracy CW: +/-2%, CCW: +/-3%
- › PC connectivity

## Ratchet insert tool for 266



SKU	⌀	■	Nm	axb	⚙
628099	1/4" (9x12, 30Nm)	1/4"	1,5 - 30	9 x 12	69
628100	3/8" (9x12, 135Nm)	3/8"	6,8 - 135	9 x 12	153
628101	1/2" (9x12, 135Nm)	1/2"	6,8 - 135	9 x 12	156
628102	1/2" (14x18, 200Nm)	1/2"	10 - 200	14 x 18	310

## Adjustable wrench insert tool for 266



SKU	⌀	axb	Nm	⚙	⚙
628103	9x12 (135Nm)	6,8 - 135	9 x 12	30	265
628104	14x18 (200Nm)	10 - 200	14 x 18	30	302

## Open ring insert tool for 266



SKU	⌀	⚙	axb	⚙
628105	10 (9x12)	10	9 x 12	53
628106	11 (9x12)	11	9 x 12	55
628107	12 (9x12)	12	9 x 12	55
628108	13 (9x12)	13	9 x 12	55
628109	14 (9x12)	14	9 x 12	59
628110	16 (9x12)	16	9 x 12	61
628111	17 (9x12)	17	9 x 12	63
628112	18 (9x12)	18	9 x 12	69
628113	19 (9x12)	19	9 x 12	71
628114	21 (9x12)	21	9 x 12	74
628115	22 (9x12)	22	9 x 12	76
628116	24 (14x18)	24	14 x 18	139



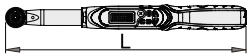
## Torque wrench



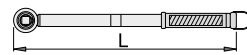
- › Accuracy: +/-3%
- › micrometer scale for simple and error free settings
- › adjustment lock to set torque
- › QUICK ADJUSTMENT - Just eight turns to cover the entire scale
- › **Torque application: both way, but always apply in direction specified on torque wrench handle**
- › handle: Two component material
- › dual scale lbf.ft and Nm
- › Convenient hanger feature for wrench unlocking and adjustment
- › 5° working angle

## Important!

- › Do not use torque wrench for untightening!
- › Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- › The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- › ALWAYS set the measuring mechanism to starting point, at the end of work.
- › When the requested torque is reached, please do not tight any more.
- › Torque wrench can be damaged, if manual instructions are not considered.



SKU	■	Nm	L	axb	⚙
627575	1/4"	1,5 - 30	390	9 x 12	1395
627576	1/2"	6,8 - 135	410	9 x 12	1619
627577	1/2"	10 - 200	545	14 x 18	2268



SKU	■	Nm	Nm	L	⚙
626765	3/8"	12 - 60	10 - 45	328	700
626766	1/2"	40 - 200	30 - 150	459	1000
626767	1/2"	60 - 340	50 - 250	679	1550



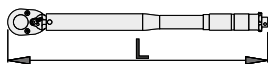
## Click type torque wrench



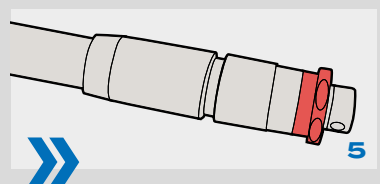
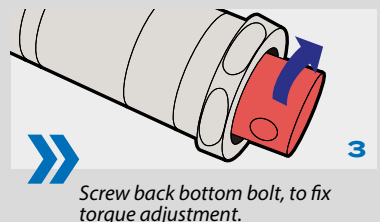
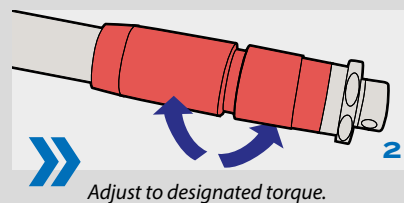
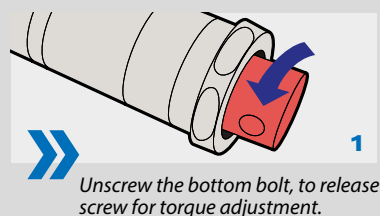
- reversible ratchet head
- Torque application: one-way, but always apply in direction specified on torque wrench handle
- ratchet operates in clockwise and anti-clockwise directions
- for tightening on right hand threaded bolts and nuts
- unmistakable signal when set torque is reached
- Default value for the recalibration interval is 12 month of use, or approximately 5.000 cycles!
- made according to standard ISO 6789
- dual scaled, Nm and Kgm

**Important!**

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque is reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



SKU	■	Nm	L	📄
615485	1/4"	2 - 24	270	686
615486	3/8"	5 - 110	360	1100
615487	1/2"	28 - 210	465	1680
615488	1/2"	35 - 350	640	2930
615489	3/4"	70 - 560	840	5600
615490	3/4"	140 - 700	1070	8200
615491	1"	140 - 980	1220	8800



## 265

## Industrial torque wrench



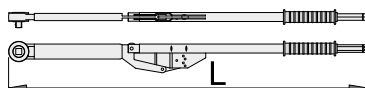
- robust construction gives accurate results, to +/-4%, even in arduous working conditions.
- every wrench supplied with a calibration certificate according to ISO 9000:2000
- the large break angle improves accuracy by reducing the possibility of over torquing
- cam control of the mechanism gives a controlled break which prevent overtightening of the screw
- torque application: both way, but always apply in direction specified on torque wrench handle
- dual scaled, N.m and lbf.ft
- made according to standard ISO 6789

**Usage:**

- agricultural equipment
- building sector
- heavy industry
- larger construction machinery
- shipbuilding industry
- aircraft industry
- do not use torque wrench for untightening!

**Important!**

- Tool must be used with equal pulls and in accordance with the instructions in the manual.
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque is reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



SKU	■	Nm	Nm	L	📄
616802	3/4"	200 - 800	150 - 600	1140	9000
616803	3/4"	300 - 1000	200 - 750	1470	11000



## Torque multiplier



- › 5:1 torque multiplication, accuracy guaranteed better than  $\pm 4\%$
- › supplied with two reaction bar styles for maximum versatility
- › Robust construction means minimal maintenance and long life
- › Supplied in a carrying case. Ideal for inclusion in the heavy vehicle tool kit

**Advantages:**

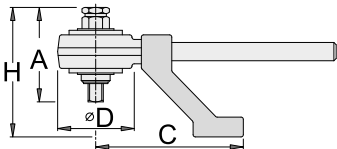
- › Exactly defined multiplication – no need of tabular conversions
- › Simple use does not require any additional knowledge

**Usage:**

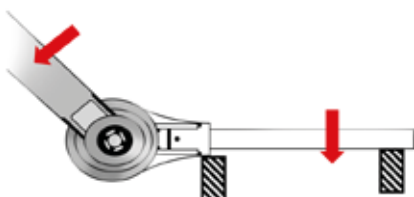
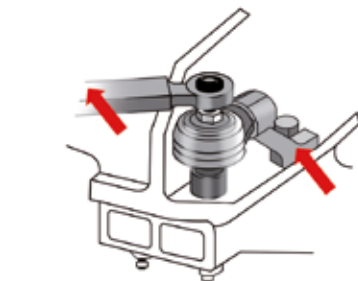
- › building construction
- › agricultural equipment
- › heavy industry
- › larger construction machinery
- › shipbuilding industry
- › aircraft industry
- › train compositions
- › refineries

**Important!**

- › The use of Unior IMPACT sockets is recommended.
- › We shall never exceed the requested torque starting point of the multiplier.



SKU	□	■	Nm	Nm	↓	D	A	C	H	⚙
616804	1/2" (32mm)	3/4"	1300	960	5 : 1	108	126	210	180	7000
616805	3/4" (36mm)	1"	2700	2000	5 : 1	108	128	210	186	7000



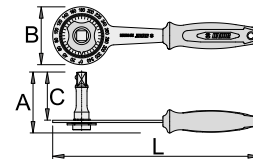
## Angle gauge



- › this is used for screws on the heads of motors where car manufacturers prescribe that, as well as fastening the screws to the prescribed torque, fastening at a certain angle is also required
- › if your space is limited, you can also use an extension to obtain the required height
- › the scale is 360°, divided into 2° angles

**How to use the tool:**

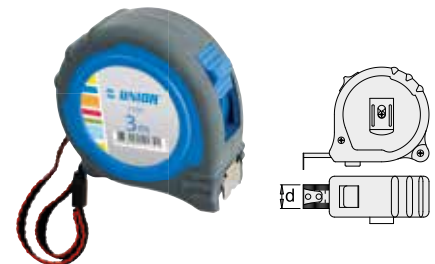
- › hold the angle scale by its small handle to avoid rotation during screw joining, set the indicator to zero and then fasten the screw at the prescribed angle with another tool from the 1/2" product range (e.g. a hinge handle which is longer, because the forces are considerable)



SKU	L	B	A	C	⚙
622815	270	75	80	63	428

## 710P

## Measuring tape



- › plastic double component casing
- › with stop and clip
- › preciseness to class II
- › metal measuring tape

CE CII

SKU	m	d	⚙
612131	2	16	108
612132	3	16	131
612133	5	19	221
612134	8	25	450
612135	10	25	506



## 710R

### Measuring tape



- › plastic double component casing
- › with stop and clip
- › preciseness to class II
- › metal measuring tape

CECII

SKU	m	ft	d	📦
612789	2	0	16	89
612790	3	0	16	108
612791	5	0	19	187
612792	8	0	25	348
612793	2	6	16	89
612794	3	10	16	108
612795	5	16	19	182
612796	8	26	25	358

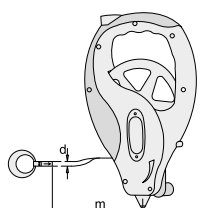


## 714

### Long measuring tape



- › plastic double component casing
- › acrylic coated steel tape enables long life
- › 6 times speed of tape rewind against handle turns



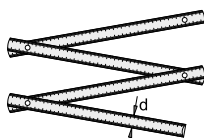
SKU	m	d	📦
621525	50	13	1100

## 710W

### Folding rule



- › material: beech wood
- › mm - graduation printed in both sides
- › preciseness to class III



CIII

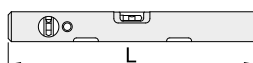
SKU	m	d	📦
609365	2	16	125

## 1250

### Alu - spirit level



- › quality aluminium profile, dimension 48x22mm
- › silver eloxated
- › fitted with shock-proof plexiglass vials
- › accurate to 0.5 mm/m
- › accurate electronically tested



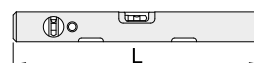
SKU	L	📦
610716	300	220
610717	400	270
610718	500	340
610719	600	380
610720	800	510
610721	1000	600
610722	1200	680
610723	1500	900
610724	2000	1200

## 1252

### Alu - spirit level with magnet



- › quality aluminium profile, dimension 48x22mm
- › silver eloxated
- › fitted with shock-proof plexiglass vials
- › accurate to 0.5 mm/m
- › accurate electronically tested
- › the measuring surface is equipped with two magnets



SKU	L	📦
610725	400	530
610726	500	580
610727	600	640
610728	800	820
610729	1000	1080

## 1260/7

### Try square



- › material: constructional steel
- › measuring faces are finely ground
- › accurate: 0,01425° = 0,25mm/m

SKU	L1	L2	A	📦
610730	125	85	5	140
610731	150	100	5	205
610732	200	130	5	385
610733	250	165	5	500
610734	300	200	5	575



## 1260/7A

### Try square with back



- › material: constructional steel
- › measuring faces are finely ground
- › accurate:  $0,01425^\circ = 0,25\text{mm/m}$
- › back are screwed on the short leg

SKU	L1	L2	A	📦
610736	150	100	5	205
610738	250	165	5	500
610739	300	200	5	575

## 1262/5A

### Mason's squares with back

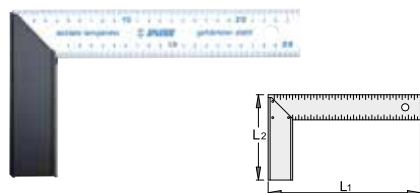


- › material: constructional steel
- › surface finish: zinc plated
- › accurate:  $\pm 0,0285^\circ = 0,5\text{mm/m}$
- › back are screwed on the short leg

SKU	L1	L2	A	📦
617154	125	85	5	140
617155	150	100	5	205
617156	200	130	5	385
617157	250	160	5	500
617158	300	175	5	470

## 1263

### Try square

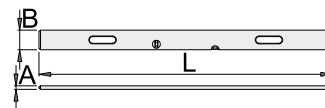


- › measuring blade made from hardened spring steel, 40x1,2mm, with mm – graduation
- › The support blade made of black anodized aluminium profile, I-form 40x14mm
- › Accuracy: 0,5mm/m

SKU	L1	L2	📦
617693	250	135	205
617694	300	135	225
617695	350	190	300
617696	400	190	315
617697	500	210	370

## 1272

### Aluminium screeding level



- › special aluminium profile
- › with two handle and two vials
- › used for working front, pavement, roughcast, first of all for easier and accurate work in construction

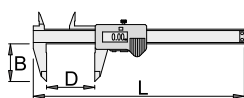
SKU	L	B	A	📦
610751	1000	100	18	900
610752	1500	100	18	1350
610753	2000	100	18	1800
610754	2500	100	18	2300
610755	3000	100	18	2700
610756	4000	100	18	3600

## 270A

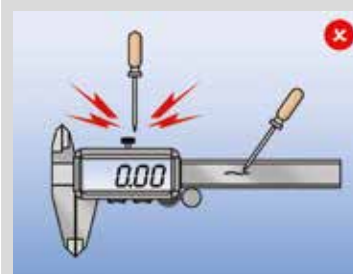
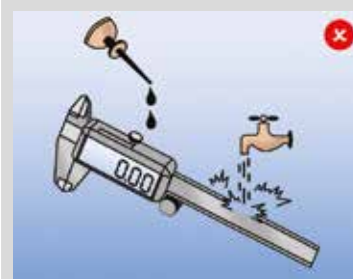
### Digital calliper



- › accuracy: 0,02mm/0,001"
- › function: measurement of internal dimensions, of external dimensions, of depth, of steps
- › made according to standard DIN 862
- › dual scale in inch and mm



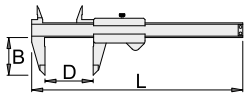
SKU	D	B	L	📦
619881	0 - 150	40	235	460



271

**Calliper with vernier scale**

- › accuracy: 0,02mm/0,001"
- › function: measurement of internal dimensions, of external dimensions, of depth, of steps
- › made according to standard DIN 862
- › dual scale in inch and mm



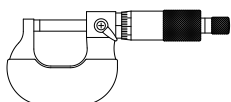
SKU	D	B	L	
612035	0 - 150	40	235	240



272

**External micrometre**

- › made of quality casting. Measuring surface made of hardened alloy
- › spindle 6,5mm dia., with locking lever and ratchet
- › according to DIN 863
- › measuring range 0 - 25mm, minimal reading 0,01mm
- › made according to standard DIN 863



SKU	D	
617698	0 - 25	240

701

**Feeler gauges**

- › certificate of conformity
- › stainless steels
- › made according to standard DIN 2275

SKU			
601896	0.05 - 0.5	8	37
601897	0.05 - 1	13	66
601898	0.05 - 1	20	99

701A

**Thread pitch gauge**

- › certificate of conformity
- › stainless steels
- › metric-thread: 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.60, 0.70, 0.75, 0.80, 0.90, 1.0, 1.25, 1.50, 1.75, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0 (24 gauges)
- › whitworth - thread: 4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62 (28 gauges)
- › This screw pitch gauge is used for finding out the outside and inside measurements of metric and whitworth threads.

SKU		
616706	52	76

1279

**Scriber**

- › made from quality steel
- › equipped with pocket clip
- › with a point made of high-alloyed steel that assures long life of drawing on different hard grounds

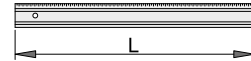


SKU	L	
617692	150	34

1280

**Flat rule**

- › made of silver anodized aluminium profile cross section 60 x 5 mm with facet
- › with one side mm-graduation



SKU	L	
617704	500	321
617707	1000	641

1290/5

**Plumb**

- › made from quality steel
- › with 4-metre-long string

SKU	
617725	170

1299

**Carpenter's pencil - set 10 pieces**

- › made from quality wood
- › graphite hardness HB



SKU	L	
617724	180	127





# BIKE TOOLS

FOR MORE INFORMATION'S CHECK OUT **BIKE CATALOGUE.**

## The cycling trend conquering the peaks!

In the last few years, we have witnessed a boom in cycling. Not just at home, but all over the world. This is why Unior cycling tools are one of the fastest growing product lines in Slovenia. Strictly purpose- made tools for bicycle servicing, which have become increasingly advanced and development-oriented over the years, have become an indispensable addition to all cycling workshops, sports shops and racing teams. That is why we at Unior have adapted to the rapidly growing development of the market and the needs dictated by it.



**AN EXTENSIVE PRODUCT LINE** – including all the tools needed for the assembly, repair, maintenance and storage of bicycles.



**SPONSORSHIPS** – Unior bicycle servicing tools are an indispensable companion for most racing teams in the cycling world.



**TOOLKITS** – workshop sets offer a complete set of tools necessary for bicycle servicing, and the ones that come in a carry case offer a complete mobile workshop.

MULTITOOLS

Y WRENCHES

HEX&TORX WRENCHES

GENERAL SHOP TOOLS

PLIERS

TORQUE WRENCHES & ACCESSORIES

BOTTOM BRACKET TOOLS

CRANK SET TOOLS

PEDAL TOOLS

CHAIN TOOLS

CASSETTE & FREEWHEEL TOOLS

BRAKE TOOLS

FRAME AND FORK TOOLS

BEARING TOOLS

SUSPENSION TOOLS

WHEEL TOOLS

TIRE & TUBE TOOLS

WHEEL TRUING STANDS & ACCESSORIES

REPAIR STANDS & ACCESSORIES

BIKE STORAGE

TOOL SETS

COMPLETE SERVICE SOLUTIONS

WORK SHOP A LA CART

UNIOR GEAR





# MOTORCYCLE TOOLS

## Complete freedom for motorcyclists!

Our motorcycle tools are 100% Unior's own development, in collaboration with experts from the motorcycle industry. With their knowledge and development, competition teams and their professionally trained mechanics have contributed to the upgrading and development of our tools for motorcyclists. Whether it's road bikes or motocross bikes. This product line will certainly bloom in the future, and the breakthrough of electrification in the motor industry will also require an upgrading and the new development of additional tools.





**AN EXTENSIVE PRODUCT LINE** – including all the tools needed for the assembly, repair, maintenance and storage of motorcycles.



**100% OUR OWN DEVELOPMENT** – in collaboration with motocross experts.



**SPONSORSHIPS** – Unior motorcycle service tools are an indispensable companion for racing teams around the world.



**TOOLKITS** – tool sets, together with workshop equipment, provide everything necessary for motorcycle servicing, and the sets that come in a carry case offer a complete mobile workshop.

**Premium** 

### Premium Plus carbon steel

#### For optimal grip and cutting strength

Steel with a medium carbon content is particularly suitable for pliers due to its incorporation of selected alloyed elements. Together with the hardness achieved through inductive tempering, this material property allows for extraordinary clamping strength. Pliers made of various improved steels have a suitable hardness and higher tensile strength, due to their higher carbon content. Manganese also contributes towards improvement, as it increases the ductility of the material. Silicon was used to improve the elasticity of the material, while chrome reduces its susceptibility to cracking.

#### Alloyed tool steel C45E, in accordance with EU Directive 2000/53/EC and the EN 10083- 1 standards:

- › 0,45% carbon for higher tensile strength and ductility
- › 0,70% manganese for higher tensile strength and ductility
- › 0,30% silicon for higher elasticity
- › 0,30% chrome for lower susceptibility to cracking and higher tensile strength

ENGINE	276 - 277
TOOLS FOR DRIVE	278 - 279
WHEELS AND SUSPENSION	280
AXLE AND BEARING	281
ACCESSORIES FOR SERVICE AND GARAGE	281
MULTIFUNCTIONAL TOOLS	283 - 284

## 3050/2BI

### Clutch and gear wheel holding tools



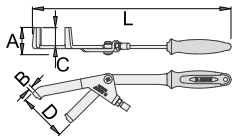
- › material: premium plus carbon steel
- › surface finish: chrome plated to standard ISO 1456:2009
- › ergonomic heavy duty double component handle

#### Advantages:

- › Its wedge-shaped gripping shanks provide grip between teeth while preventing them from being damaged.
- › The tool also includes a screw, which enables the tool to be fixed in a certain position and, consequently, a firm grip.

#### Usage:

- › The tool is designed for holding the clutch, gears and the cam shaft when tightening gears in the range up to 130mm during assembly and disassembly.
- › all types of motorbikes

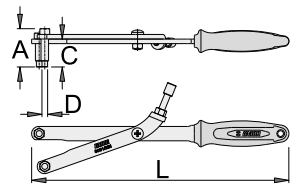


SKU	D1	D2	C	B	A	L	
620261	40	130	48	6	412	390	637



## 3051/2BI

### Rotor and sprocket holding tools



- › material: premium plus carbon steel
- › surface finish: chrome plated to standard ISO 1456:2009
- › ergonomic heavy duty double component handle

#### Advantages:

- › Due to its universal structure, it allows holding holes with a diameter of 5 or 9 mm and at a distance between 20 to 180 mm.
- › The tool also has a screw that enables fixing of the tool at the actual distance between holes on the magnet or the sprocket.

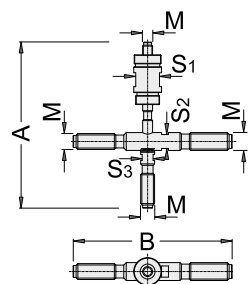
#### Usage:

- › The tool is designed for holding the magnet and the sprocket during assembly or disassembly.
- › all types of motorbikes

SKU	D1	D2	D1	D2	L	B	
620262	20	180	4.4	7.2	340	32	604

## 3055/4A

### Flywheel puller with external thread



- › material: premium plus carbon steel
- › surface finish: blacken to standard DIN 50938
- › threads M10, M14, M16, M18, M24 are right hand, M27 are left hand

#### Advantages:

- › The tool has 6 different sizes of external thread, thus enabling coverage of the majority of motor types that have a flywheel with an internal thread.
- › allows flywheel removal without pulling motor from hull
- › On each axis, there is an attachment for an open-end wrench that makes the removal of the magnet easier.

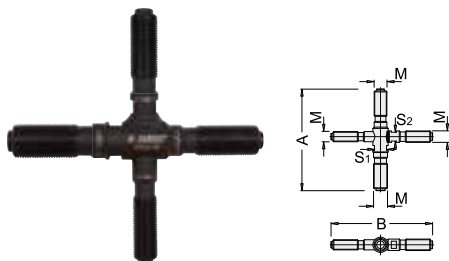
#### Usage:

- › for removal of the flywheel with internal thread

SKU	M	M1	M2	M3	M4	M5	S1	S2	S3	A	B	
620278	M10x1	M14x1,5	M16x1,5	M18x1,5	M24x1	M27x1	24	14	11	168	160	531

## 3055/4B

### Flywheel puller with external thread



- material: premium plus carbon steel
- surface finish: blackened to standard DIN 50938
- all treads are right hand

#### Advantages:

- The tool has 4 different sizes of external thread, thus enabling coverage of the majority of motor types that have a flywheel with an internal thread.
- allows flywheel removal without pulling motor from hull
- On each axis, there is an attachment for an open-end wrench that makes the removal of the magnet easier.

#### Usage:

- for removal of the flywheel with internal thread

SKU	M	M1	M2	M3	S1	S2	A	B	L
620279	M16x1,5	M18x1,5	M20x1,5	M22x1,5	19	14	161	161	630

## 3056/2

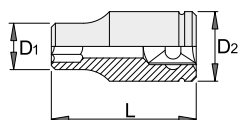
### Socket 1/2" with thin wall, 6 point



- material: premium flex chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- intended for use where there is not enough place for working with standard socket wrenches

#### Important!

- will not withstand torque according to DIN standard for standard socket wrenches



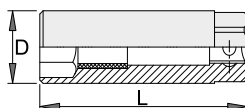
SKU	⊖	L	D1	D2	L
620280	3/4"	38,5	23,9	23,9	61
620281	5/8"	38,5	21,5	22,5	59
620282	19	38,5	23,9	23,9	60

## 3058/2

### Spark plug socket 3/8" with thin wall, 6 point



- material: premium chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- drop forged, entirely hardened and tempered
- intended for use where there is not enough space for working with standard wrenches for replacing spark plugs
- inside the socket inserted rubber ring for holding spark plug



SKU	⊖	D	L	⊖	L
623215	16	20,9	65	19	80
623216	18	22,3	65	22	92
623217	21	25,6	65	19	111



## 3059

### Valve seal removal set for motorbikes



- material: premium plus carbon steel, polyethylene
- surface finish: chrome plated according to ISO 1456:2009
- Dimension of box: 321 x 198 x 54

#### Advantages:

- enables the removal of valve seals without removing the head of the motor
- accessories for assembling pins from fi 5mm to fi 9 mm
- the accessories cover the following dimensions of spark plugs M10x1, M12x1.25, M14x1.25 and M18x1.5
- accessories for removing pins diameter fi 8mm, fi 13 mm and fi 16 mm
- accessories for assembling seals fi 12 and fi 14mm

#### Usage:

- The individual piston is set into a lower position. In the place of the spark plug, an attachment for the pressure pipe is connected; the cylinder is filled with compressed air, which enables the valves to stay in the upper position.
- Find an appropriate attachment for pulling the pin, set it onto the cover of the spring, straighten the magnets with pins and press the springs by pushing with your hand.
- This enables the pins to be removed from the groove of the valve.
- Remove the cover and the springs.
- Take the valve seal removal pliers art. 2201/2BI, pull out the seals, take the accessories for assembling the seals, place the new seals.
- Place back the springs and the cover; place the pins and use the accessories for assembling the pins to compress the springs by hand, which enables the placement of the pins back onto the valve.
- Repeat the same procedure on all other valves, then remove the accessories for the pressure pipe and repeat the procedure on the next cylinder

SKU	L
623219	2100



## 3054/4

### Flywheel puller with internal thread



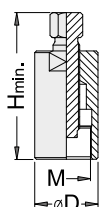
- › material: premium plus carbon steel
- › surface finish: blacken to standard DIN 50938

#### Advantages:

- › allows flywheel removal on the motorcycle
- › On the puller, there is an attachment for an open-end wrench, which should hold the magnet

#### Usage:

- › for removal of flywheels with external thread



SKU		D	H	
620270	M24 x 1,5	32	80	332
620271	M26 x 1	34	80	353
620272	M28 x 1	36	80	385
620273	M30 x 1	38	80	417
620274	M30 x 1,5	38	80	432
620275	M35 x 1,5	45	90	666
620276	M38 x 1,5	48	105	880
620277	M50 x 1,5	60	105	1254



## 3054.1/4

### Crankshaft protector cap



- › material: premium plus carbon steel
- › surface finish: blacken to standard DIN 50938
- › M12x1,25 (it is part of puller M24x1,5)
- › D12mm (it is part of puller M26x1)
- › M14x1,25 (it is part of puller M28x1)
- › M16x1,5 (it is part of puller M38x1,5)

#### Advantages:

- › enables protection of the drive shaft by pulling flywheel

#### Usage:

- › The protector caps are screwed onto the motor's crankshaft and protect the crankshaft when the magnet is being removed. The protector caps are used when relatively small nuts are used to secure the magnet to the crankshaft. It is especially important to use the protector caps on engines where the lubrication system for lubricating the end bearings runs through the centre of the crankshaft (hollow crankshafts).

SKU		3054/4	
624225	M12 x 1,25	M24 x 1,5	37
624226	D 12	M26 x 1	39
624227	M14 x 1,25	M28 x 1	33
624228	M16 x 1,5	M38 x 1,5	55

## 1977/6

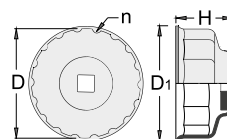
### Oil-filter wrench



- › material: premium chrome vanadium steel
- › coated with electro-black oxide finish for rust protection
- › lacquered
- › for assembling or disassembling oil filters
- › for oil filters in restricted access area
- › used with ratchet 3/8" and proper extension bar

#### How to use the tool:

- › This tool comes in as many as 12 sizes, which can be used on the majority of standard car and motorcycle oil filters on the market. Using it is simple as all that is needed is to place the appropriate tool on the filter and rotate it with ease. The tool can also be used when fitting oil filters as the design and material have been carefully selected so that the tool can withstand the maximum force applied to it. Because of the surface protection, the tool is highly resistant to scratches and damage as well as to atmospheric and chemical effects.



SKU	D	360°/n	D1	H	
620949	27	6	37.5	33.5	68
620950	32	6	43.5	34.6	81
620951	36	6	48.4	34.9	89
620267	68	14			130
620268	73	14			152
619260	74	15	81	36	146
620269	76	8			141
619262	76	12	82	35	137
619264	86	18	92	39.5	171



## 3200/2BI

### Chain breaker, press and riveting tool for motorbike



- material: premium flex plus carbon steel
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- Dimension of box: 321 x 198 x 54

#### Usage:

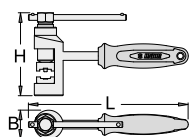
- for DID chains with graduation 520, 525, 530 and 532
- for Regina chains with graduation 520, 525, 530
- for RK chains with graduation 520, 525, 530 and 532
- compatible with most motorcycle drive chains

#### Disassembling the chain:

- a robust set for disassembling a chain without any prior grinding of the pin
- select the appropriate pin (diameter Ø3, Ø3,5 or Ø5 mm) and lower guide (Ø4 Ø5 or Ø6 mm) corresponding to the pin diameter on the chain
- insert the pin into the tool, then position the tool on the chain link and rotate the tool until the chain pin falls out

#### Assembling the chain:

- assemble the chain according to the manufacturer's instructions
- select an appropriate set of pressing adaptors depending on the size of the plates (guide widths to 13.5 mm or 16 mm)
- position the set into the tool. Place the tool on the connecting chain link and press the link by rotating the riveting tool using the handle until the plates and the chain are tightly connected
- after the chain link and the plates have been successfully aligned, install the chain pin
- You can choose from 3 types of riveting pins (type A, B or C)
- place the riveting set into the tool and rotate the handle to cause a deformation of the head of the pin, so the diameter is between 5.5 to 5.8 mm as recommend the chain manufacturer's instructions



SKU	B	H	L	
623220	40	115	270	2490



## 3202/1P

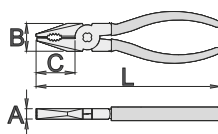
### Master link clip pliers for motorcycle chain



- The pliers enable assembly and disassembly of the connecting link clip on the motorcycle's chain.
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- handles plastic dipped

#### Advantages:

- Specially designed groove enables easy positioning and prevents the pliers from slipping off the chain's pin.
- The jaw is shortened for easier assembly or disassembly of the clip.



SKU	L	B	A	
628803	180	27	10	221



## 3057/2

### Variator and clutch drive holder tool with ring wrench



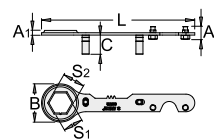
- material: premium plus carbon steel
- surface finish: chrome plated to standard ISO 1456:2009

#### Advantages:

- comes with 3 different lengths of accessories that cover several types of drives

#### Usage:

- for scooters PIAGGIO, GILERA 50-125ccm; water- and air-cooled
- has a triple function
- it is used as a block for the gear on the starter when untightening the front part of the drive
- accessories for holding the pot on the back part of the drive for untightening the nut
- wrench for untightening the inside nut of the back part of the drive



SKU	TA	A2	MB	C	S1	S2	L	
623187	22	80	32,5	34	38	262	319	



## 3057.1/2

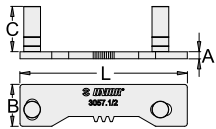
### Universal variation holder tool



- › material: premium plus carbon steel
- › surface finish: chrome plated to standard ISO 1456:2009

#### Usage:

- › it is used as a block for the gear on the starter when untightening the front part of the drive
- › for scooters PIAGGIO, GILERA 50-125ccm; water- and air-cooled



SKU	MA	MB	C	L	
623188	220	80	32,5	120	150



## 3201/2

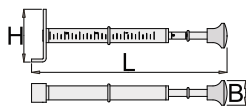
### Tool for controlling cam belt tension for motorcycle



- › material: premium plus carbon steel
- › surface finish: chrome plated according to ISO 1456:2009

#### Usage:

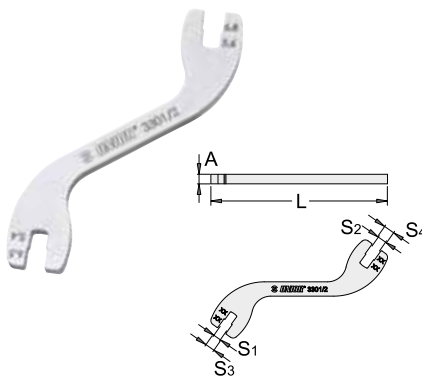
- › it is used for the control of the tension of the drive belts
- › Controlling tool is mounted onto the belt. On the marked part of the engine the belt is forced by hand to establish the sag of the belt so that it is in conformance with the pressure force of 45N and with the sag prescribed by motorbike producer.
- › used in accordance with the servicing instructions



SKU	A	C	L	
620286	21	40,5	164	100

## 3301/2

### Spoke wrench for motorcycle



- › material: premium plus carbon steel
- › surface finish: chrome plated according to ISO 1456:2009

#### Advantages:

- › the ergonomic shape of the wrench enables simple access and great strength when tightening and unscrewing

#### Usage:

- › the spoke wrench is used for tightening spoke nipples

SKU	S1	S2	S3	S4	L	A	
620296	5	6	6,3	7	111	6	71
623186	5,4	5,6	6,5	6,8	111	6	71

## 3302/6

### Stand for motorcycle wheel alignment



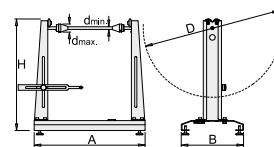
- › material: premium plus carbon steel
- › lacquered housing, other parts zinc plated
- › the stand is intended mainly for use in motorbike repair services and for home users

#### Advantages:

- › the stand has a spirit level for setting in a horizontal position
- › it enables radial control of the rim position with a sensor
- › The geometry of the callipers enables a simultaneous axial control for accurate truing of the rim.
- › The stand enables fixing of cones to the axis that enable the centring of the wheel on its own bearings, thus preventing the possibility of centring errors.
- › it has two positions for setting columns regarding the width of the hub
- › the rotation of the axis on external bearings enables centring on the standard method

#### Usage:

- › Wheels with dimensions to max 32 inches can be centered.
- › for axis dimensions of 12 to 36 mm



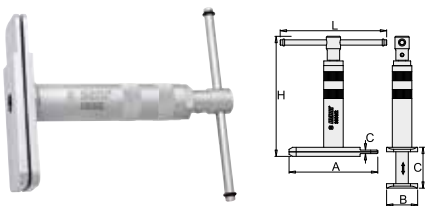
SKU	D	MIN dia.	MAX dia.	A	B	H	
620297	32"	12	36	500	280	525	9600





## 3303/2

### Disc spreader for motorcycle



- material: premium plus carbon steel
- surface finish: chrome plated to standard ISO 1456:2009

#### Usage:

- The tool is used for compressing brake pistons when replacing brake pads. The tool is useful for compressing single, double and triple brake pistons. The tool enables quick and easy pressing of brake pistons back into the housing without additional damage to the piston or the housing.

#### Important!

- For compressing double or triple brake pistons, we leave the used brake pads in the brake housing. This will prevent one of the pistons being pushed from the housing.
- after compressing replace the worn out brake pads with the new one

SKU	L	A	B	Ci	Cf	🔒
620298	120	100	35	4	45	507

## 3305/2

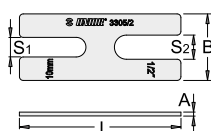
### Holding tool for cartridge rod of shock absorbers for motorbikes



- material: premium plus carbon steel
- surface finish: chrome plated according to ISO 1456:2009

#### Usage:

- Tool is used when replacing bushings, seals and oil of front shock absorbers.
- The tool is inserted between the housing and the nut and keeps us at the top of the shock absorber by assembling and disassembling.



SKU	A	MB	L	S1	S2	🔒
623246	2	80	85	10,3	12,7	34

## 3401/2P

### Flexible hook wrench for motorbikes



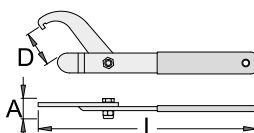
- material: premium plus carbon steel
- surface finish: chrome plated according to ISO 1456:2009
- plastic dipped handle

#### Advantages:

- the slim version of the wrench enables the setting of slim toothed nuts

#### Usage:

- for operate setting the telescopes of motorbikes and scooters
- from diameter 32 till 60 mm



SKU	A	DI	DI	L	🔒
620413	20	32	60	220	186

## 689/2BI

### Inner bearing puller



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- ergonomic heavy duty double component handle

#### Advantages:

- Set includes 6 pcs of arm for inner bearing dimensions 6.5-8, 10-12, 12-15, 17-20, 22-28, 30-36

#### Usage:

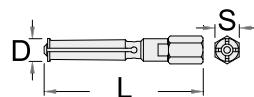
- It is used for pulling different types of bearings. The bearing is gripped from the inside side and pulled out.
- the bearing is extract with a 1 kg weight



SKU	D1	D2I	D2f	L1	Lf	🔒
622587	52	6,5	36	495	555	3300

## 689.1/4

### Arm for 689/2BI



SKU	D"	L	S	🔒
623089	6,5 - 8	81	14	38
623090	10 - 12	83	14	53
623091	12 - 15	92	14	65
623092	17 - 20	102,5	14	125
623093	22 - 28	125	17	269
623094	30 - 36	140	22	525

## 3000/6

### Front stand for motorcycle



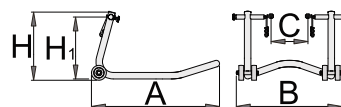
- material: constructional steel
- coated with eco colour of Qualicoat quality standard
- adaptors are chrome plated according to ISO 1456:2009

#### Advantages:

- adjustable to the width of the front fork of the motorcycle from 180 to 250mm
- strong construction enables load capacity up to 200kg
- quick-change adaptors and setting stands
- reliable and safe lifting of motorcycle

#### Usage:

- the stand is used for servicing and garaging motorcycles
- it is suitable for almost all type of motorcycles



SKU	A	B	MC	H	H1	🔒
620259	705	610	375	345	310	5800

## 3000.1

### Adaptor for front stand



- › material: constructional steel
- › surface finish: chrome plated according to ISO 1456:2009

#### Advantages:

- › quick-change adaptors and setting stands
- › reliable mounting into the groove of the motorcycle front fork

#### Usage:

- › for mounting into the groove of the motorcycle front fork
- › it is suitable for almost all type of motorcycles
- › use together with base 3001.3

## 3001/6B

### Rear stand for motorcycle with V adaptor



- › material: constructional steel
- › coated with eco colour of Qualicoat quality standard
- › adaptors are chrome plated according to ISO 1456:2009

#### Advantages:

- › adjustable to the width of the rear fork of the motorcycle from 270 to 360mm
- › strong construction enables load capacity up to 200kg
- › quick-change adaptors and setting stands
- › reliable and safe lifting of motorcycle

#### Usage:

- › the stand is used for servicing and garaging motorcycles
- › it is suitable for almost all type of motorcycles

## 3001.2

### V adaptor for rear stand



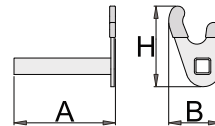
- › material: constructional steel
- › surface finish: chrome plated according to ISO 1456:2009

#### Advantages:

- › quick-change adaptors and setting stands
- › reliable mounting into the groove of the motorcycle front fork

#### Usage:

- › reliable mounting on side pin of the rear swinging arm of the motorcycle
- › it is suitable for almost all type of motorcycles
- › use together with base 3001.3



SKU	
624325	1400

## 3001/6A

### Rear stand for motorcycle with universal adaptor



- › material: constructional steel
- › coated with eco colour of Qualicoat quality standard
- › adaptors are chrome plated according to ISO 1456:2009

#### Advantages:

- › adjustable to the width of the rear fork of the motorcycle from 270 to 360mm
- › adaptors are PVC coated
- › strong construction enables load capacity up to 200kg
- › quick-change adaptors and setting stands
- › reliable and safe lifting of motorcycle

#### Usage:

- › the stand is used for servicing and garaging motorcycles
- › it is suitable for almost all type of motorcycles

SKU	
624300	4700

## 3001.1

### Universal adaptor for rear stand



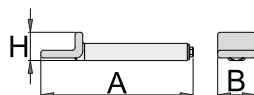
- › material: constructional steel
- › surface finish: chrome plated according to ISO 1456:2009

#### Advantages:

- › adaptors are PVC coated
- › quick-change adaptors and setting stands
- › reliable mounting into the groove of the motorcycle front fork

#### Usage:

- › mounting on the rear swinging arm of the motorcycle
- › it is suitable for almost all type of motorcycles
- › use together with base 3001.3



SKU	
620260	5200

SKU	A	B	H	
624326	182	44	33	893

SKU	A	B	H	
624327	124	63	98	440

## 3001.3

### Base for stand 3000/6 and 3001/6



- › material: constructional steel
- › coated with eco colour of Qualicoat quality standard

#### Advantages:

- › strong construction enables load capacity up to 200kg
- › quick-change adaptors and setting stands
- › it's suitable for use with various adaptors

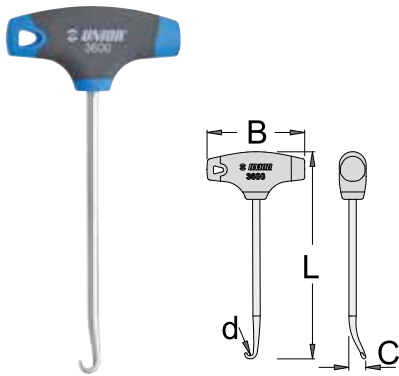
#### Usage:

- › Use together with adaptors 3000.1, 3001.1 and 3001.2

SKU	
624328	4200

## 3600/2BI

### Spring hook



- material: blade from premium hard chrome vanadium steel
- ergonomic heavy duty double component handle

#### Usage:

- Tool is used for assembling and disassembling springs (spring for support legs, seat and reservoir, by exhaust systems, as assistance in assembling the chain of the cam shaft, etc)
- all types of motorbikes

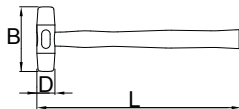
SKU	d	C	B	L	
620411	4,2	14	80	170	67

## 820B

### 2-in-1 Plastic hammer



- material of heads: cellidor, hardness 60-70 shore D and polyuretan, hardness 45 - 55 shore D
- oil resistant
- grey cast head
- wooden handle, lacquered



SKU	D	L	B	
629302	40	320	112	520



## 516/4

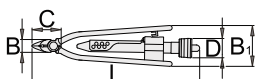
### Safety wire twisting pliers



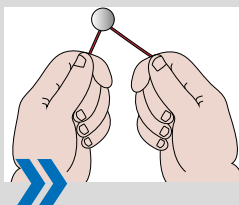
- Safety twist plier is a versatile tool to help you to do reliable safety wiring (lock wiring) rapidly and consistently.
- Safety wiring remains the most positive and assured method of securing critical fasteners that must not be allowed to back out: any tendency of the fastener to loosen is counter acted by tightening of the safety wire.
- twisting and cutting capacity:
  - 0.5mm dia stainless wire without heat treated
  - 0.8mm (Dia.) soft wire

#### Usage:

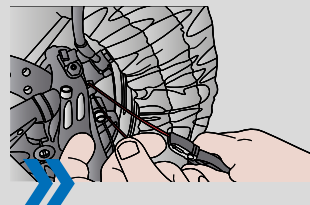
- Twisting of bolts, oil caps, drain cocks, valves and single twist electrical connectors



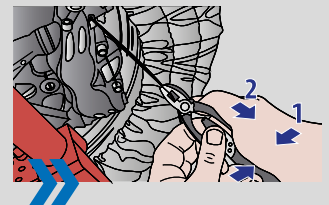
SKU	L	B	B1	C	D	
627530	213	19	49	40	24	250



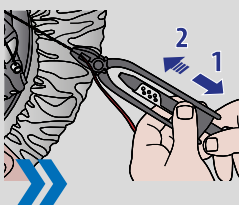
Thread the safety wire through your fastener(s) in the appropriate manner. You will now have two ends of the wire ready to twist.



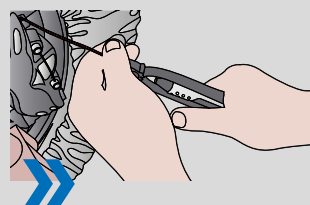
Use the safety wire twisting pliers to grip the two wires at an appropriate distance from the fastener. The length of wires between the pliers and the fastener will be twisted in the following step.



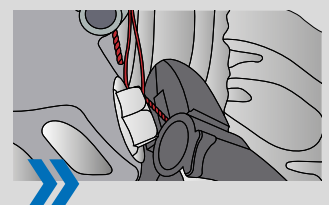
Slide the central chromed locking sleeve to lock the plier handles together, clamping the wire ends.



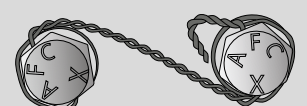
Let go of the plier handles and pull the chrome handle at the base of the pliers to rotate the pliers and twist the wire in a clockwise direction.



You may need to pull this handle more than once to achieve the required number of twists. Generally around 7 twists per inch is recommended.



Squeeze the plier handles to release the chromed locking slider, and then use the integrated wire cutter to trim the wires to length.





## 3700MX PROKIT

### MX Pro Kit tool set



- › MX Pro Kit tool case is real world designed and tested by the professional's on the toughest off-road trails around the world.
- › Well thought out, extremely durable tool pallets organize and hold your tools in place. Pockets are designed with the size of our tools in mind. It also features extra space on the bottom leaving you room to personalize your kit.
- › After designing the tool case for Pro Kit, we sat down with team mechanics and carefully selected a set of tools that demanding MX mechanic will appreciate. We picked 107 pieces of our tools that are a perfect fit for a portable set, shop or home.
- › The set contains a wide range of tools for servicing MX motorcycles in the field.
- › The toolbox is designed especially use in the field; it's made of heavy duty plastic and is waterproof and dustproof.
- › Flaps in the lid can be closed tightly with the Velcro straps; when closed, they also secure the tools in place. The biggest pockets can take our combinations and socket T-handle wrenches. A special small pockets can securely hold the screwdrivers and other tools, so nothing ever gets lost.
- › basic dimensions of case L 555 x W 428 x H 211mm
- › inner dimensions of case L 500 x W 350 x H 194mm
- › total volume of case: 33,95 litres
- › Additional SOS foam tray for tools storage (dimensions 470 mm x 170 mm) at the bottom of the case.

#### Advantages:

- › All together 35 pockets
- › The pockets are sewed together with durable nylon thread
- › Waterproof and dustproof in accordance with IP67 certificate
- › Watertight seal around lid
- › Automatic pressure release valve
- › Easy to open/close double throw latches
- › Load tested soft grip handle
- › Robust case from heavy-duty composite
- › Corrosion free nylon pins
- › Option to lock the case with a padlock (not included)
- › Aluminum divider at the bottom of the tool case to keep your tools organized
- › Flaps neatly close into the lid of the tool case

SKU	
628977	99
<p> <math>\bigcirc</math> 125/1 (6, 8, 10, 12, 13, 14, 16, 17, 19, 21, 22, 27, 30, 32), <math>\square</math> 186.4/2A (14), <math>\bigcirc</math> 188.1/1ABI (1/4"x157), <math>\bigcirc</math> 188.3/2 (1/4"), <math>\bigcirc</math> 188.4/2 (1/4"x55, 1/4"x150), <math>\square</math> 188.6/2 (1/4"), <math>\square</math> 188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13, 12, 14), <math>\bigcirc</math> 190.1/1ABI (1/2"x260), <math>\bigcirc</math> 190.3/1 (1/2"), <math>\square</math> 190.4/1 (1/2"x125, 1/2"x250), <math>\square</math> 190.6/2 (1/2"), <math>\square</math> 190.7/2 (1/2"x3/8"), <math>\square</math> 190/1 6P (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32), <math>\square</math> 192/2HX (6, 7, 8, 10, 12, 14, 17), <math>\rightarrow</math> 193N (6, 8, 10), <math>\rightarrow</math> 193TX (TX 15, TX 20, TX 25, TX 30), <math>\rightarrow</math> 192/2TXL (TX 45), 220/3SLPH, 220/7TXPH, <math>\rightarrow</math> 300/2 (500 (3x)), <math>\rightarrow</math> 461/1BI (140), <math>\rightarrow</math> 449/1PYTHON (240), <math>\rightarrow</math> 506/1BI (140), <math>\rightarrow</math> 516/4 (213), <math>\rightarrow</math> 556A (160x18), <math>\rightarrow</math> 605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x100, 1.2 x 8.0x175), <math>\rightarrow</math> 615TBI (PH 1x80, PH 2x100), <math>\rightarrow</math> 710R (2m), <math>\rightarrow</math> 820A (22), <math>\rightarrow</math> 2042/2 (115), <math>\rightarrow</math> 3301/2 (5x6x6, 3x7, 5, 4x5, 6x6, 5x6, 8), <math>\rightarrow</math> 3202/1P, <math>\rightarrow</math> 3600/2BI (4,2) </p>	







# MX PRO KIT

3700MX PROKIT

 **UNIOR**  
HAND TOOLS





# OTHER WORKSHOP TOOLS

The workshop accessories set has been built up over Unior's 100 years of development history. In this sector there are other tools, so called gadgets or support tools, which ensure uninterrupted work in workshops and elsewhere.





**COMPLETENESS** – other workshop tools make an indispensable complement to other tool categories.



**VARIETY** – other workshop tools are represented by vices, clamps, saws, files, knives, cutting and grinding plates and many other tools.



**PURPOSEFULNESS AND UNIVERSALITY** – many tools for other types of workshop equipment are purpose-made for specific tasks, but many are intended for general use and are indispensable in everyday life.

**Premium Flex +**

### Premium Flex Plus carbon steel

#### Efficiency and durability under considerable crushing and deformation stress

Construction and trade steels have special properties that guarantee their appropriate hardness, ductility and elasticity, as is required for tools such as setters, hammers and screw clamps, which are exposed to great force during hammering and clamping. Steels with a medium carbon content that are used to make tools have a higher carbon content, resulting in better durability. A suitable manganese content increases the tensile strength and ductility of the material, which is particularly important under high load conditions. The chrome content reduces the susceptibility to cracking, while the silicon content increases the elasticity of tool materials subjected to strong forces.

#### Medium carbon steel C45R, according to EU directive 2000/53/EC and the EN 10083-2 standards:

- › 0,45% carbon for higher tensile strength and better tempering
- › 0,70% manganese for higher tensile strength and ductility
- › 0,35% chrome for higher tensile strength and lower susceptibility to cracking
- › 0,20% silicon for higher elas

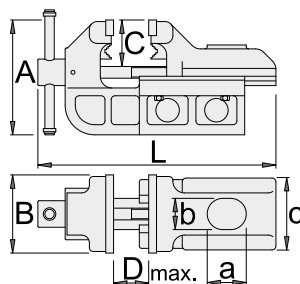
VICES	288 - 289
CLAMPS	289
SAWS	290
PLUMBING TOOLS	291
FILES	292 - 294
SCRAPERS	295
THREADING TOOLS	295
CUTTING WHEELS	295
LEVERS	296
UNIVERSAL KNIVES	296 - 297
SPECIAL TOOLS	297
TWEEZERS	298
AWLS	298 - 299
AUTOMOTIVE TOOLS	300 - 306



#### WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

## IRONGATOR engineer's vice



- › housing from grey iron casting
- › drop forged jaws from tool carbon steel, hardened and tempered
- › lacquered housing, jaws anticorrosive oiled, other parts zinc plated
- › spindle protected against damage
- › uniPRO slides ensure precise running of moving parts
- › engineer's vice can be combined with swivel base

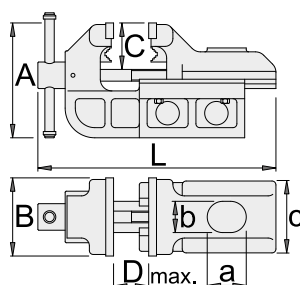
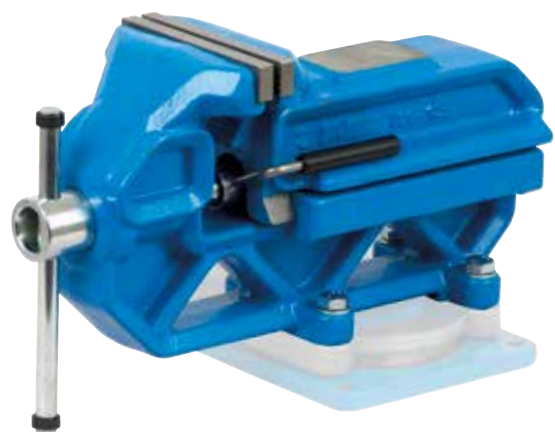


SKU	B	Li	L	D	H1	a	b	H	L1	B1	⚙
621564	80	100	215	11 - 35	46	42	28	113	70.4	48	3500
621481	125	160	336	17 - 62	73	66	44	176	110	75	14400
621567	150	190	400	20 - 66	88	80	53	211	132	90	24200
621570	200	220	461	24 - 80	103	93	62	265	154	105	37800



## 721Q/6

## Quick IRONGATOR engineer's vice with quick moving system



- › housing from grey iron casting
- › drop forged jaws from tool carbon steel, hardened and tempered
- › lacquered housing, jaws anticorrosive oiled, other parts zinc plated
- › uniPRO slides ensure precise running of moving parts
- › engineer's vice can be combined with swivel base
- › quick moving system

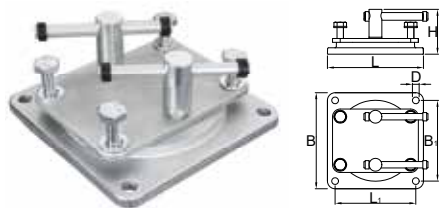


SKU	B	Li	L	D	H1	a	b	H	L1	B1	⚙
621482	125	120	336	17 - 62	95	66	44	176	132	90	14500
621568	150	140	400	20 - 75	117	80	53	211	154	105	23500



## 721.1/6

### Swivel base for 721/6 and 721Q/6



- › base plate from grey iron casting
- › material other parts: special tool steel
- › swivel base can be rotated for 360°



SKU	W	H	L	B	H	B1	L1	D
621566	80	2570	96	96	47	81	81	6.5
621483	125	2590	149.9	149.9	70	126	126	10.5
621569	150	5190	190	190	87.5	160	160	13
621572	200	6600	210	210	93.5	176	176	13

## 722.1/7

### Spare jaw for 721/6 and 721Q/6



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › set 2 pieces

SKU	B	H
623083	80	138
619020	125	378
619021	150	1030
619023	200	1365

## 722.1AL

### Spare aluminium jaws for 721/6 and 721Q/6



- › material: aluminium
- › set 2 pieces

SKU	B	H
623084	80	60
619026	125	156
619027	150	400
619029	200	541

## 706

### Heavy duty clamp



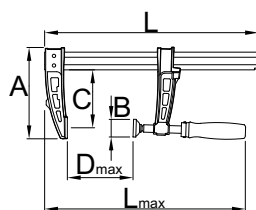
- › material: premium flex plus carbon steel
- › entirely hardened and tempered
- › wooden handle, lacquered

#### Advantages:

- › integrated brake prevents uncontrolled sliding
- › maximum clamping force 6000N
- › sliding profile serrated
- › swiveling cup

#### Usage:

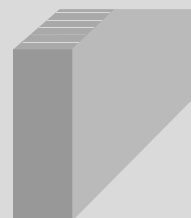
- › for use in carpentry, welding and assebling



SKU	W	D1	L	L1	A	C	B	H
626283	200	200	323	465	181	136	34	1750
626284	300	300	423	565	181	136	34	1870
626285	400	400	523	665	181	136	34	2090
626286	500	500	623	765	181	136	34	2310
626287	600	600	723	865	181	136	34	2530
626288	1000	1000	1123	1265	181	136	34	3410



Sliding jaw with multiple positioning choices.



High resistance rectangular steel profiled rail, calibrated and serrated. Surface finish: jaws lacquered, rail zinc plated.



Screw with trapezoidal thread: "Less efforts-more clamping force".



Swivel foot

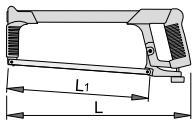


## 750B

### Hacksaw



- › light compact with ergonomically designed handle
- › frame chrome plated, handle lacquered
- › two blade position



SKU	L	L1	
621531	400	300	731



## 750.1B

### Spare blade for 750B, 2 pcs set



- › material: HSS, Bi-metal
- › 24 teeth/1"
- › length 300 mm

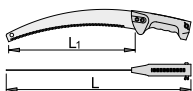
SKU			
621532	300	2	40

## 752

### Pruning saw



- › material: premium flex plus carbon steel
- › handle polystyrene



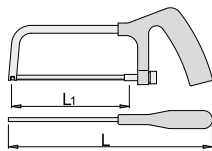
SKU	L1	L	
609424	330	497	270

## 753P

### Saw



- › plastic handle
- › replaceable blade



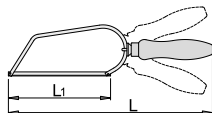
SKU	L1	L	
612164	150	260	192

## 753W

### Saw



- › wooden handle
- › adjustable handle
- › replaceable blade



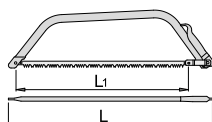
SKU	L1	L	
612163	150	305	127

## 755

### Bow saw



- › material: blade from premium plus carbon steel
- › handle: sheet metal



SKU	L1	L"	L	
612236	610	24"	700	580
609407	762	30"	850	750

## 755.1

### Spare blade for 755



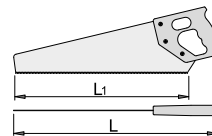
SKU	L1	L1"	
612237	610	24"	50
609409	762	30"	78

## 757

### Hand saw



- › material: premium flex plus carbon steel
- › handle polystyrene



SKU	L1	L	
609423	400	493	408

## 358/6A

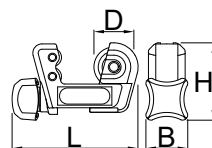
### Tube cutter



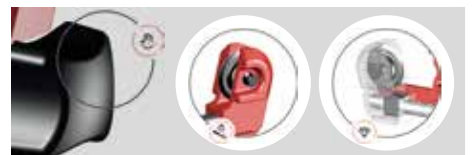
- › instant wheel change
- › ergonomic knob
- › extra reduced radius spin
- › steel threaded insert for longer life span

#### Usage:

- › for cutting cooper, aluminium, inox and steel tube of maximum thickness till 2mm



SKU			B	D	H	L1	
626181	3 - 16	1/8" - 5/8"	27	19.8	34.4	62.5	104



## 360/6A

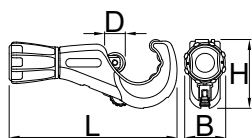
### Tube cutter



- › Designed to be an easy to use and effective way of cutting tubes. Simply place the cutter and engage the cutting wheel at your desired position, rotate tool around the tube while adjusting the cutting wheel using the ergonomic knob.
- › instant wheel change
- › ergonomic knob
- › 4 rollers for a better fastening of the tube and smooth operation
- › spare cutting wheel in handle
- › possible individual use of burr NOGA removal tool
- › steel threaded insert for longer life span

#### Usage:

- › for cutting cooper, aluminium, inox and steel tube of maximum thickness till 2mm



SKU	⊖	⊕	B	D	H	L	📦
626187	3 - 35	1/8" - 1.3/8"	41.4	19.8	65.8	160.6	340



Instant wheel change.



Spare cutting wheel in handle.



Steel thread insert for longer life span.



4 rollers for a better fastening of the tube and smooth operation.



Possible individual use of burr NOGA removal tool.

## 360/6B

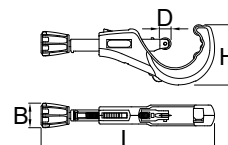
### Tube cutter



- › instant wheel change
- › ergonomic knob
- › 4 rollers for a better fastening of the tube and smooth operation
- › spare cutting wheel in handle
- › possible individual use of burr NOGA removal tool
- › quick-release system

#### Usage:

- › for cutting cooper, aluminium, inox and steel tube of maximum thickness till 2mm



SKU	⊖	⊕	B	D	H	L!	L!	📦
626188	6 - 76	1/4" - 3"	41.4	19.8	1018	245	334	890

## 361/6A

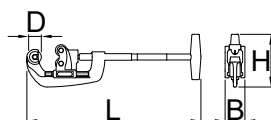
### Tube cutter



- › body drop forged
- › instant wheel change

#### Usage:

- › for cutting cooper, aluminium, inox and steel tube of maximum thickness till 2mm



SKU	⊖	⊕	B	D	H	L!	L!	📦
626190	10 - 60	1/8" - 2"	48.3	30.8	102.8	388	456	2187



Body drop forged.



Instant wheel change.



## 358.1/7A

### Cutting wheel



- › for articles 358/6A, 360/6A and 360/6B

SKU	⊖	⊕	📦
626191	19,8 x 6,2		6

## 361.1/7A

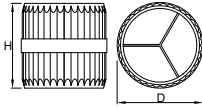
### Cutting wheel



SKU	⊖	⊕	📦
626193	30,8 x 19		26

## 363A

### Internal - external reamer



- Create a professional and burr free finish on cut tubes. After cutting, simply place the reamer over the tube end and twist until burrs are removed.
- removes burrs on interior and exterior tube edges
- plastic housing with ribbed surface for grip
- cutting blades from special tool steel, oil hardened

SKU	D	H	Weight
626249	3 - 42	50	49,5



## 760H1/2S

### Flat file with handle, half smooth



- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



SKU	L	a	axb	Weight
619295	100	220	2,5 x 12	95
619296	150	270	4 x 16	104
612995	200	325	5 x 20	245
612996	250	375	6 x 25	355
612997	300	425	6,5 x 30	545

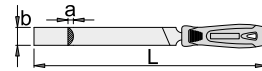


## 761HB

### Half-round file with handle, bastard



- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



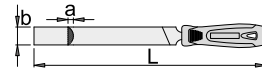
SKU	L	a	axb	Weight
619303	100	220	3 x 11,5	106
619304	150	270	4,5 x 16	140
613002	200	325	5,5 x 20	203
613003	250	375	7 x 25	324
613004	300	425	8,5 x 30	490

## 761H1/2S

### Half-round file with handle, half smooth



- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



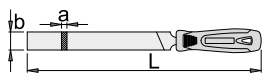
SKU	L	a	axb	Weight
619307	100	220	3 x 11,5	106
619308	150	270	4,5 x 16	140
613005	200	325	5,5 x 20	203
613006	250	375	7 x 25	324
613007	300	425	8,5 x 30	490

## 760HB

### Flat file with handle, bastard



- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



SKU	L	a	axb	Weight
619292	150	270	4 x 16	104
612992	200	325	5 x 20	245
612993	250	375	6,5 x 25	355
612994	300	425	6,5 x 30	500

## 760HS

### Flat file with handle, smooth



- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



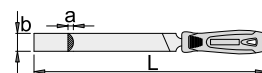
SKU	L	a	axb	Weight
619299	100	220	2,5 x 12	56
619300	150	270	4 x 16	104
612998	200	325	5 x 20	245
612999	250	375	6,5 x 25	355
613001	300	425	6,5 x 30	545

## 761HS

### Half-round file with handle, smooth



- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



SKU	L	a	axb	Weight
619311	100	220	3 x 11,5	106
619312	150	270	4,5 x 16	140
613008	200	325	5,5 x 20	203
613009	250	375	7 x 25	324



## 762/5 1/2S

Set of files, half smooth in carton box



SKU		
619468	150	5

## 762/5B

Set of files, bastard in carton box



SKU		
612929	200	5

## 762/5S

Set of files, smooth in carton box



SKU		
612934	250	5

## 762/5 1/2S

Set of files, half smooth in carton box



SKU		
612931	200	5

## 762/5B

Set of files, bastard in carton box



SKU		
612930	250	5

## 762/5 1/2S

Set of files, half smooth in carton box



SKU		
612932	250	5

## 762/5S

Set of files, smooth in carton box



SKU		
619469	150	5

## 762/5B

Set of files, bastard in carton box



SKU		
619467	150	5

## 762/5S

Set of files, smooth in carton box



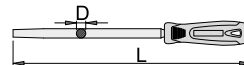
SKU		
612933	200	5

## 763HB

Round file with handle, bastard



- > material: premium hard plus carbon steel
- > all files have second cut
- > hanging hole



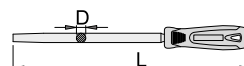
SKU		L	D	
619316	150	270	6	105
613011	200	325	7,5	157
613012	250	375	8,5	209
613013	300	425	12	317

## 763H1/2S

Round file with handle, half smooth



- > material: premium hard plus carbon steel
- > all files have second cut
- > hanging hole



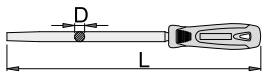
SKU		L	D	
619319	100	220	4	80
619320	150	270	6	105
613014	200	325	7,5	157
613015	250	375	9,5	209
613016	300	425	12	317

## 763HS

Round file with handle, smooth



- › material: premium hard plus carbon steel
- › all files have second cut
- › hanging hole



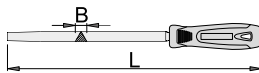
SKU		L	D	📦
619323	100	220	4	80
619324	150	270	6	105
613017	200	325	7,5	157
613018	250	375	9,5	209

## 764HB

Three-square file with handle, bastard



- › material: premium hard plus carbon steel
- › all files have second cut
- › hanging hole



SKU		L	B	📦
619328	150	270	10,5	133
613020	200	320	14,5	200
613021	250	370	17	332
613022	300	425	19,5	480

## 764H1/2S

Three-square file with handle, half smooth



- › material: premium hard plus carbon steel
- › all files have second cut
- › hanging hole



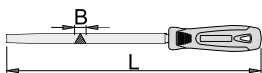
SKU		L	B	📦
619331	100	220	7,5	94
619332	150	270	10,5	133
613023	200	320	14,5	200
613024	250	370	17	332
613025	300	425	19,5	480

## 764HS

Three-square file with handle, smooth



- › material: premium hard plus carbon steel
- › all files have second cut
- › hanging hole



SKU		L	B	📦
619335	100	220	7,5	94
619336	150	270	10,5	133
613026	200	320	14,5	200
613027	250	370	17	332

## 765HB

Square file with handle, bastard



- › material: premium hard plus carbon steel
- › all files have second cut
- › hanging hole



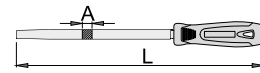
SKU		L	A	📦
619340	150	270	5,5	106
613029	200	325	8	158
613030	250	370	10	252
613031	300	425	12	400

## 765H1/2S

Square file with handle, half smooth



- › material: premium hard plus carbon steel
- › all files have second cut
- › hanging hole



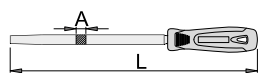
SKU		L	A	📦
619343	100	220	4	100
619344	150	270	5,5	106
613032	200	320	8	158
613033	250	370	10	252
613034	300	425	12	400

## 765HS

Square file with handle, smooth



- › material: premium hard plus carbon steel
- › all files have second cut
- › hanging hole



SKU		L	A	📦
619348	150	270	5,5	106
613035	200	320	8	158
613036	250	370	10	252

## 767H1/2S

Flat rasp with handle, half smooth



- › material: premium hard plus carbon steel



SKU		L	axb	📦
613038	200	325	4,5 x 19,5	260
613039	250	375	5 x 23	370

## 768H1/2S

Half-round rasp with handle, half smooth



- › material: premium hard plus carbon steel



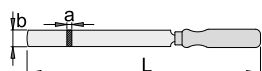
SKU		L	axb	📦
613041	200	325	5 x 19	180
613042	250	375	6,5 x 23	280
613043	300	425	7,5 x 27	510

## 777/6A

### Flat scraper



- material: premium plus carbon steel
- blade ground, shank blue lacquered
- wooden handle



SKU	L	axb	L	
612228	200	5 x 20	325	233

## 777/6C

### Triangular spoon scraper



- material: premium hard plus carbon steel
- blade ground, shank blue lacquered
- wooden handle



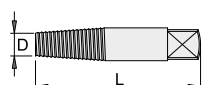
SKU	L	A	L	
612233	150	8	255	113
612234	200	8	325	213
612235	250	8	370	370

## 778/4

### Screw extractor



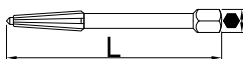
- for unscrewing damaged screws and threaded bolts without damaging threads
- material: premium chrome vanadium steel
- entirely hardened and tempered
- blackened



SKU	Nº	D	■	L	⌀	
616812	1	1.75	2,7	50	M3 - M6	2.5 9
616813	2	2.2	3,8	57	M6 - M8	3.0 13
616814	3	3.3	4,9	64	M8 - M11	4.5 19
616815	4	4.75	7,0	71	M11 - M14	6.0 33
616816	5	6.35	9,0	78	M14 - M18	8.0 53
616817	6	9.5	12,0	85	M18 - M24	11 102

## 778/4APB

### Double-edged screw extractors set



SKU	L	
616830	1 - 5	5

## 778/4PB

### Screw extractors set



SKU	L	
616820	1 - 5	5

## 778/4PB

### Screw extractors set



SKU	L	
616821	1 - 6	6

## 778/4PB

### Screw extractors set

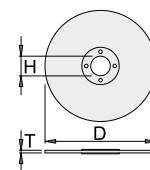


- Set include dimension 1,2,3,4,5,6,7,8

SKU	L	
616822	1 - 8	8

## 1200/1

### Flat cutting-off wheels, for steel

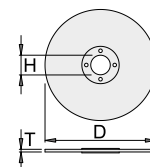


- Side reinforced flat cut-off wheels for offhand cutting on angle grinders for operating speed 80m/s, furnished with one metal hole insert.
- Cut-off wheel meet OSA requirements to European standard EN 12413 (side grinding is not allowed)
- characteristic of material: A30S1BF

SKU	D	T	H	
610487	230	3	22	282

## 1210

### Flat cutting-off wheels, for steel



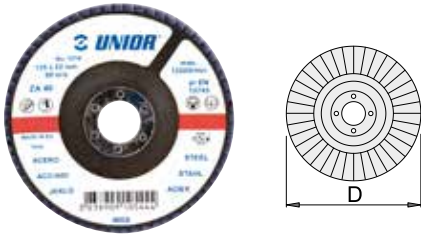
- Side reinforced flat cut-off wheels in resin bond for manual cutting on stationary machines with operating speed 80m/s, furnished with one metal hole insert.
- Thin cut-off wheel meets requirements of european standard pr EN 12413 and their production is approved by Safety Certificates DSA 1819 (side grinding is not allowed)
- Thin cut-off wheels are manufactured in specifications for universal steel cast iron and non-ferrous metals.
- characteristic of material: A46SBF

SKU	D	T	H	
610518	115	1	22	24
610519	115	1.6	22	39
610520	125	1	22	31
610521	125	1.6	22	50
610522	180	1.6	22	91
610523	230	1.6	22	150



## 1216

### Flap disc



- Flap disc are to be used at the operating peripheral speed 80m/s.
- Production is approved by Safety.
- Application: coarse and fine grinding of brakes, edge grinding and removal of jagged edges, removal of dyes, cleaning of cast iron products, surface grinding
- Field of use: aluminium, soft materials, steel, plastic, wood, alloyed steel, non-iron alloys

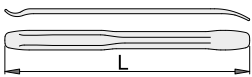
SKU	D	Z	⚙
610539	115	40	75
610540	115	60	70
610544	125	40	90
610545	125	60	80
610546	125	80	70

## 300/2

### Tyre lever



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	L	⚙
617661	200	111
601755	300	253
601756	400	452
601757	500	648

## 300/2A

### Tyre lever



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



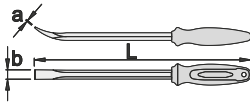
SKU	L	⚙
601758	537	992

## 300/2C

### Tyre lever with handle



- material: premium chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- ergonomic heavy duty double component handle



SKU	L	axb	⚙
613103	320	1.1 x 13	252
613104	410	1.5 x 15	499
613105	610	1.5 x 21	837

## 300CCB

### Set of tyre levers with handle



SKU	⚙
613106	3

300/2C (320, 410, 610)

## 300/6B

### Carpenter's lever



- material: premium flex plus carbon steel
- lacquered



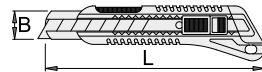
SKU	L	L1	⚙	⚙
608815	500	120	18	1180
608816	600	120	18	1385
608817	800	120	18	2190
608821	1000	120	20	2715

## 556A

### Utility knife



- double component handle
- 3 exchangeable snap-off blades inside the handle for 627548 and 616853
- blade from high alloy steel
- blade can only be moved with cutting block forward
- when the blade is blunt, it can be snapped off
- when the last blade has been used, the remnant of the blade can be removed by pushing cutting block forward



SKU	L	B	⚙
627548	130	9	39
616853	160	18	99
627549	190	25	113

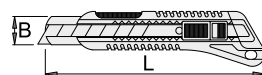
**MADE FOR WORK.**

## 556B

### Utility knife



- double component handle
- 8 automatic exchangeable snap-off blades inside the handle
- blade with 13 snap-off blades
- blade from high alloy steel



SKU	L	B	⚙
612136	160	18	167

## 556.1A

### Set of 10 spare blades for utility knife 556A



- blade can only be moved with cutting block forward
- when the blade is blunt, it can be snapped off
- when the last blade has been used, the remnant of the blade can be removed by pushing cutting block forward
- new blade can be inserted with by pushing cutting block backwards

SKU	L	B	
627550	80	9	24
627551	126	25	177

## 556.1B

### Set of 10 spare blades for utility knife 556A and 556B



- blade can only be moved with cutting block forward
- when the blade is blunt, it can be snapped off
- when the last blade has been used, the remnant of the blade can be removed by pushing cutting block forward
- new blade can be inserted with by pushing cutting block backwards

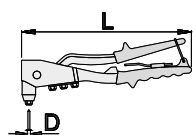
SKU	L	B	
612137	100	18	75

## 1300/6

### Hand riveter



- material: frame from aluminium alloy, lever handle from special composition steel
- handle: ergonomic shape
- spring for reopening
- completed with 4 nose pieces for setting blind rivets up to 4,8 mm or 3/16"
- with wrench for the change of nose-pieces



SKU	L	D1	D2	D3	D4	
615454	270	2.4 (3/32")	3.2 (1/8")	4.0 (5/32")	4.8 (3/16")	567

## 1300ST

### Set of hand riveters on carton display



SKU	
623981	5
1300/6	2.4 (3/32")x3.2 (1/8")x4.0 (5/32")x4.8 (3/16") (5x)

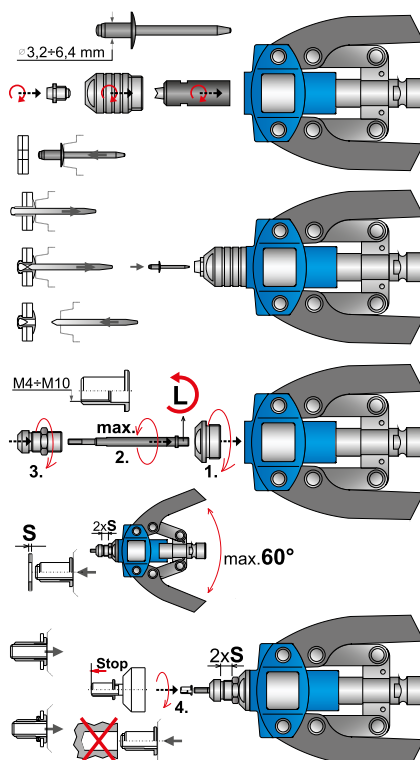
## 1301/6

### Hand riveter set



- light and durable construction
- 5 nose pieces for installing rivets, 3,2 mm – 6,4 mm (1/8" – 1/4")
- 5 nosepieces for installing blind-rivet nuts, from M4 to M10 (R5/32" – R3/8")
- the tool comes with the SOS tool tray which can be used with Unior tool carriages
- lacquered handles with heavy duty handles

SKU	L	
619880	495	2200



## 1301.1/4

### Nosepiece for blind-rivet nuts for 1301/6



SKU		
621437	M4	47
621438	M5	49
621439	M6	49
621440	M8	71
621441	M10	78

## 1375/6

### Oil can with flexible spout



SKU	V	
619935	0.5 l	210



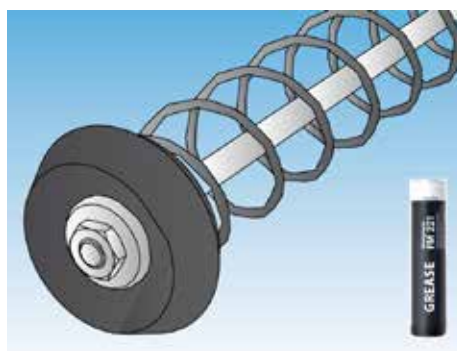
## 1376/6

### Grease gun



- › material of head, body and grease pipe: steel
- › possibility of direct filling of bulk or using the cartridge
- › capacity for bulk grease: 500 cm<sup>3</sup>
- › capacity for cartridge: 400 cm<sup>3</sup>
- › working pressure: 4000 - 4500 psi (280-310 bars)
- › high pressure flexible grease pipe, length 290mm, outside thread R1/8", hexagonal attachment 13mm
- › fixed grease pipe, length 130mm, outside thread R1/8"
- › head of grease gun type American, inside thread for pipes R1/8"

SKU	V	
619936	0.5 l	1300

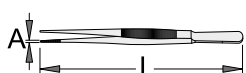


## 1342

### Flat tweezers



- › material: stainless steel



SKU	L	A	
619280	160	2	25

## 1343

### Bent flat tweezers



- › material: stainless steel



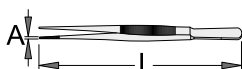
SKU	L	A	
619281	155	2	26

## 1344

### Flat tweezers



- › material: stainless steel



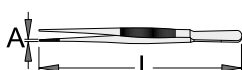
SKU	L	A	
619282	140	1.5	18

## 1345

### Pointed tweezers



- › material: stainless steel



SKU	L	A	
619283	115	1.5	11

## 1346

### Bent pointed tweezers



- › material: stainless steel



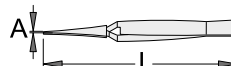
SKU	L	A	
619284	165	2	28

## 1347

### Cross pointed tweezers



- › material: stainless steel



SKU	L	A	
619285	115	1.2	15

## 1348

### Spade pointed tweezers



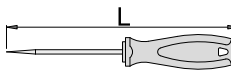
- › material: stainless steel



SKU	L	A	
619286	120	1	12

## 639A

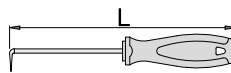
### Awl with round straight blade



SKU	L	
617773	165	31

## 639B

### Awl with round, 90° bent blade

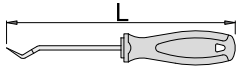


SKU	L	
617774	165	31



## 639C

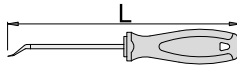
Awl with round, double bent blade



SKU	L	
617775	165	31

## 639D

Awl with round, double bent small blade



SKU	L	
617776	165	31

## 639PB

Awl set



SKU	
617777	4

## 352/6PB

Tube bending set



› Dimension of box: 393 x 331 x 95

### Set includes:

- › 1x bending pliers (article 352.1/6)
- › 8x bending adaptor (article 352.2) dim. 10, 12, 14, 15, 16, 18, 20, 22
- › 2x bending back (article 352.2) dim. 10, 12 - 22

### Usage:

- › for bending copper, brass, aluminium and tin walled steel tubes up to 90°

SKU		
621533	10 - 22	11



## 352.1/6

Bending pliers



- › housing from special alloy
- › step bending mechanism
- › quick release system

SKU	
621534	1140

## 352.2

Bending adaptor



SKU	O <sub>max</sub>	
621535	10	73
621536	12	97
621537	14	139
621538	15	134
621539	16	128
621540	18	241
621541	20	219
621542	22	272
621543	3/8"	72
621544	1/2"	93
621545	5/8"	128
621546	3/4"	229
621547	7/8"	271

## 352.3

### Bending back



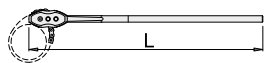
SKU	⌈	📦
621549	10	251
621548	12 - 22	450

## 484/6

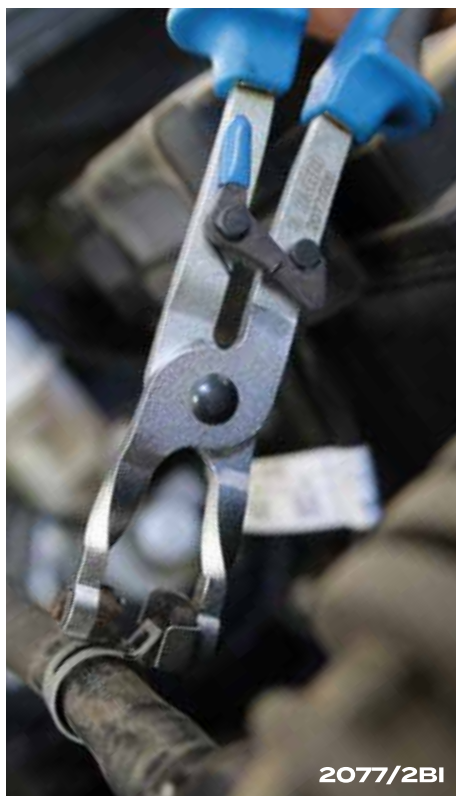
### Chain pipe wrenches



- › material: premium plus carbon steel
- › jaws and tube drop forged
- › serrated jaws with induction hardened teeth
- › possibility of rotating the jaw
- › surface finish: lacquered tube, other parts anticorrosion oiled
- › the chain can withstand extremely high loads



SKU	⌈	O <sub>max</sub>	L	📦
601530	4	160	815	6735
601531	6	200	965	9238
601532	8	300	1130	13000
601533	12	400	1290	18000



2077/2BI

## 2077/2BI

### Spring clip pliers



- › material: premium plus carbon steel
- › material pivoting tip: special carbon tool steel
- › surface finish: chrome plated to standard ISO 1456:2009
- › tips black finish
- › heavy duty double - component handles
- › jet stamp UNIOR
- › for hose clips on cooling, heating, fuel or screen-washer systems

#### Advantages:

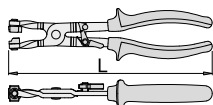
- › fits most standard sized clamps
- › position lock makes it easy to replace hose clamps

#### How to use the tool:

- › Pliers for .... are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off the prolongations and thus ensuring safe movement of fluids. The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling. Firm and safe grip is ensured by the ergonomic shape of the handles.

#### Used for:

- › Alfa Romeo, Audi, Citroen, Fiat, Ford, Hyundai, Lancia, MAN, Mercedes, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Toyota, VW, Volvo, etc.



SKU	L	📦
619250	235	301



## 2078/2BI

### Slotholder pliers for OETIKER® collars



- › material: premium plus carbon steel
- › heavy duty double - component handles
- › jet stamp UNIOR
- › for automotive pressed axlecuffs OETIKER®

#### Advantages:

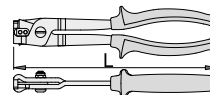
- › exact deformation of the axlecuff ear
- › longer, for easy deformation of axlecuff ears
- › for almost all passenger cars

#### How to use the tool:

- › Pliers for .... are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off the prolongations and thus ensuring safe movement of fluids. The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling. Firm and safe grip is ensured by the ergonomic shape of the handles.

#### Used for:

- › Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel/Vauxhall, VW



SKU	L	📦
619251	230	316



## 2079/2BI

### Quick coupler pliers for fuel pipes



- › material: premium plus carbon steel
- › surface finish: chrome plated to standard ISO 1456:2009
- › tips black finish
- › heavy duty double - component handles
- › jet stamp UNIOR
- › for disconnecting fuel pipes

#### Advantages:

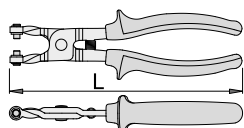
- › spring for reopening

#### How to use the tool:

- › This tool is used for the removal of the quick couplers that connect fuel lines. The tool has two hardened pins in the jaws that compress the couplers during removal or repair (the hose can then be removed). The jaw is dimensioned and adjusted to enable safe and easy work with great force in a limited space.

#### Used for:

- › Opel/Vauxhall, Fiat, GM, VW, Renault etc.



SKU	L	
619252	206	264



## 2080/2BI

### CLIC® collar pliers



- › material: premium plus carbon steel
- › surface finish: chrome plated to standard ISO 1456:2009
- › heavy duty double - component handles
- › jet stamp UNIOR

#### Advantages:

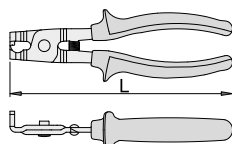
- › separating and closing with 180° invert of the pliers

#### Usage:

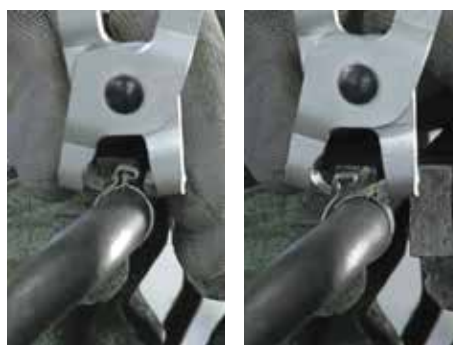
- › to remove and reassemble CLIC spring-clips
- › Pliers for .... are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off the prolongations and thus ensuring safe movement of fluids. The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling. Firm and safe grip is ensured by the ergonomic shape of the handles.

#### Used for:

- › Audi, Citroen, Fiat, Mercedes, Opel/Vauxhall, Peugeot, Renault, VW



SKU	L	
619253	190	244



## 2081/3

### Grip hose clamp pliers for stopping the flow of fluids



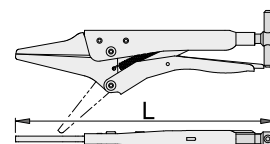
- › material: premium flex plus carbon steel
- › handles made from sheet metal
- › used for the stopping of the flow of oil, gasoline...

#### Advantages:

- › jaws are free of sharp edges, so that sensitive hoses do not sustain damage.
- › plastic moulded T handle enables improved grip for the user.
- › fast and simple stoppage of the flow of fuel and other liquids.
- › universal locking mechanism.

#### How to use the tool:

- › The tool for stopping the flow of fluids is an indispensable tool when changing various automotive parts connected with liquid-bearing hoses. The tool's main function is the stoppage of the flow of various fluids in soft hoses so that a mechanic can replace a certain car part without interruptions or worrying over a potential spillage. The tool can be used on soft hoses in cars, trucks, farming machines as well as various nautical vessels, however, the hose diameter may not exceed 55 mm at any time, as in that case the stoppage of the flow is not guaranteed.



SKU	L	O <sub>max</sub>	
619254	285	55	611





## 2082/3

### Grip pliers for cutting exhaust pipes



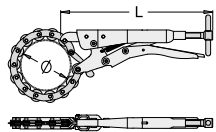
- material: jaws from Premium Flex Plus carbon steel
- handles made from sheet metal
- Cutting capacity: 25–85 mm.
- used for cutting exhaust pipes in partial replacements of exhaust systems.

#### Advantages:

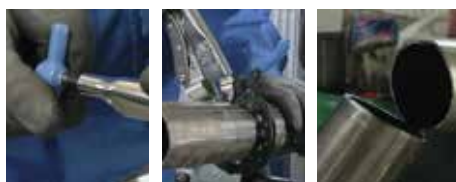
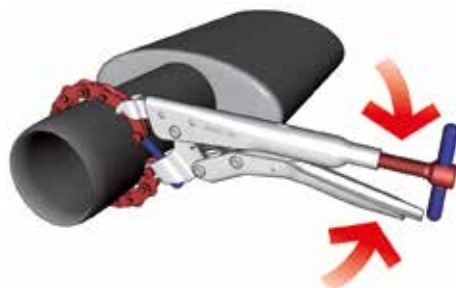
- the plastic-coated T-handle provides better grip for the user.
- universal locking mechanism.
- very long cutting chain.

#### How to use the tool:

- This tool is primarily intended for cutting exhaust pipes but, due to the design of its cutting chain and blades, it can also be used for copper pipe, plastic pipe and various other pipes with diameters between 25 and 85 mm. The tool is safe and easy to use due to accessories such as: – a longer cutting chain enabling you to cut pipes with diameters of up to 85 mm; – larger cutting blades, enabling you to cut steel tube up to 3 mm thick, brass tube up to 4 mm thick, PVC tube up to 5 mm thick; – a plastic-coated T-handle that decreases the amount of force necessary to use the tool, enhances grip and prevents slipping; – a universal locking mechanism that keeps the tool in position until you release the locking mechanism and stop cutting. The cutting chain is subject to wear, which is why we are offering it as a spare part (art. 2082.1).



SKU	L	Øi	Øf	
619255	330	25	85	765

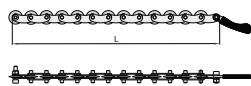


## 2082.1

### Spare chain for item 2082/3



- material cutters: alloy steel



SKU	L	
619256	305	184

## 2083

### Telescopic magnetic pick-up tool with light



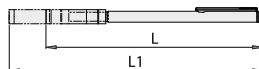
- for lifting nuts, bolts, screws

#### Advantages:

- batteries protected against humidity
- included in the set: 3 LR41 batteries
- with light, for dark places between the machine parts

#### How to use the tool:

- This tool is intended for picking up small metal objects. It has a special light that activates automatically upon being extended from its housing. It is useful for partly unlit spaces such as the inside of engines. When no longer needed, simply fold back the tool and the light will immediately deactivate. The tool has a fastener.



SKU	L	L1	
619741	170	660	42

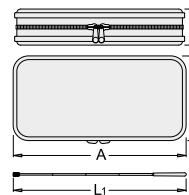


## 2084

### Professional auto inspection set



- with long life LED light
- available in durable plastic bag
- the magnet's lifting capacity: 3.5 kg
- included in the set: 1 round mirror Ø60, 1 angular mirror (65 x 42 mm), 2 bits attachments, 3 L1154F batteries, 1 bag with the SOS tool tray
- In addition to the LED light, this set includes additional mirrors to facilitate viewing of difficult-to-reach areas inside the car, making this a very useful set. The tools are also intended for lifting small metal objects such as screws, nuts, etc. The set comes in an attractive and durable bag. Individual tools have been placed in the SOS tool tray to make them easier to find.



SKU	A	B	H	L1	W	
619742	240	110	45	650	3.5	360

## 2085

### Claw pick-up tool

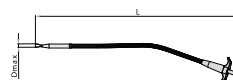


#### Advantages:

- This adjustable tool is easy to navigate through difficult-to-reach areas. To enable quick and reliable gripping of objects, it has three claws that extend or return to their original position upon pressing or releasing the button, respectively.

#### How to use the tool:

- for lifting small especially non-metallic parts like bolts, nuts, screws



SKU	L	Df	
619883	510	15	150

## 2086

### Magnetic tray



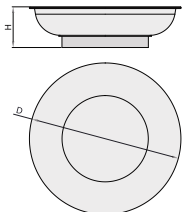
- Material: stainless steel, corrosion resistant
- keeps parts and tools right where you need them
- holds any small nuts, bolts and steel parts

#### Advantages:

- powerful permanent magnet covers with protective rubber foot
- can be used in any position

#### How to use the tool:

- With its powerful rubber-protected magnet, this magnetic tray is suitable for practically all industrial applications ranging from car repair shops to everywhere where it can be attached to a metal surface. It can be used in all positions - the magnet is so powerful that the tray can even be fitted upside-down. The tray is intended for protecting screws, nuts and the like against being misplaced, and for storing them in a central location to minimise the time needed to find a specific item.
- for usage in garage, engine, household work



SKU	D	H	kg	
619728	150	40	3	387



## 2087

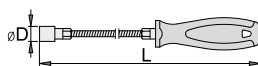
### Flexible pick up tool with magnet



- The flexible magnetic pickup is designed to collect metal objects from hard to reach spots.

#### Advantages:

- It features a flexible stem with a strongly magnetic tip.
- The magnet is capable of lifting metal objects of up to 1 kg.
- The tool is fitted with an ergonomically designed handle, ensuring easy and efficient operation.



SKU	H	L	D	
619929	1	500	15	127



## 2089/2BI

### Automatic Spring Clip Pliers



- material: premium plus carbon steel
- material pivoting tip: special carbon tool steel
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- for hose clips on cooling, heating, fuel or screen-washer systems

#### Advantages:

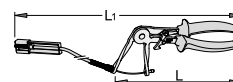
- fits most standard size clamps
- position lock makes it easy to replace hose clamps

#### How to use the tool:

- The pliers are used for opening tube spring clips used on cooling and heating systems which enables quick and safe removal of tubes from tube extensions. Suitable for spring clips with a grip ranging from 18 to 54 mm. The 600 mm long Bowden cable enables efficient use in hard to reach places where clips cannot be reached with other pliers. The pliers include a toothed blocker with 8 positions for opening clips or fastening them in a custom position which makes the removal of clips easier and with no additional force necessary. The handles are designed so that when the pliers' jaws are open the widest they are easy to squeeze with as little force as possible.

#### Used for:

- Alfa Romeo, Audi, Citroen, Fiat, Ford, Hyundai, Lancia, MAN, Mercedes, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Toyota, VW, Volvo, etc.



SKU	L	L1	
620234	230	600	415



## 2091

### LED light



#### Advantages:

- › with 7 LED lamps (6 in front and 1 on top)
- › working time of 6 front LED lamps is approximately 3 hours, 1 LED on top 7 hours
- › luminous flux of top LED light: 80 lm
- › luminous flux of front LED light: 350 lm
- › IP class: IP20
- › with two adjustable hangers
- › with three magnets
- › simple light angle adjustment from 0 to 180°
- › made from user friendly plastic material
- › with two adaptors (12/24V in 100-240 V)
- › magnet in bottom carries complete weight of LED light
- › Li-Ion battery

## 2091A

### LED light



- › L: 170mm; Ø: 22 mm; 100 - 130 lm
- › LED light: front 7 pcs x 1.5 W + top 1 pc x 1 W
- › on/off switch on the top
- › magnetic clip
- › durable housing
- › Li-ion battery, 800 mAh
- › LED charge indicator
- › more than 5 hours running time
- › USB charge port with AC/DC adaptor: input: 100V - 240 V, 50 - 60Hz; output: 5V DC 1000 mA

SKU	L	D	
627201	170	22	115

## 1940/2BI

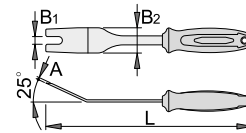
### Trim pin remover



- › material: premium flex plus carbon steel
- › ergonomic heavy duty double component handle
- › for removing trim pin till 8mm
- › This tool is used for extracting fastening pins, removing trim and on various upholstery.

#### Advantages:

- › tip angled ground
- › It's ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.



SKU	L	B1	B2	A	
619267	230	8.5	28	2.5	130



## 1940.1/2BI

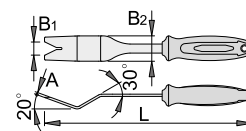
### Trim pin remover



- › material: premium flex plus carbon steel
- › ergonomic heavy duty double component handle
- › for removing trim pin from 2mm till 15mm
- › This tool is used for extracting fastening pins, removing trim and on various upholstery.

#### Advantages:

- › tip angled ground
- › Its ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.



SKU	L	B1	B2	A	
619268	230	16.3	28	2.5	135



SKU	L	A	
620237	250	55	512





## 1940.2/2BI

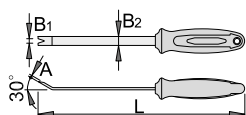
### Trim pin remover



- › material: premium flex plus carbon steel
- › ergonomic heavy duty double component handle
- › for removing trim pin till 4,5mm
- › This tool is used for extracting fastening pins, removing trim and on various upholstery.

#### Advantages:

- › tip angled ground
- › Its ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.



SKU	L	B1	B2	A	
619269	230	5	10	2.5	109

## 1944/6

### Double suction lifter



- › durable plastic body
- › for the transport and positioning of windscreens during fitting and removing operations

#### Advantages:

- › loading capacity: 75kg
- › two strong suction pads for maximum safety
- › suction pads can be set to suit flat and curved surfaces

#### How to use the tool:

- › This lifter is useful when replacing and carrying windscreens (they have to be removed to be replaced). The lifter is operated by placing the two suction pads on the windscreen and creating vacuum in them by using the handles. The suction pads then securely grip the windscreen that is to be removed or installed.
- › 1. Position it on the windscreen.
- › 2. Move the handles to create vacuum between the lifter and the windscreen.
- › 3. The windscreen can be safely removed or installed using the lifter.

SKU	
619740	925

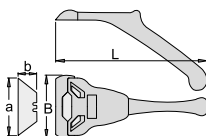


## 1945

### Multi-function scraper with blade guard



- › plastic material
- › blade from high alloy steel
- › with blade guard
- › This tool is designed for scraping off dirt stuck to various surfaces. Due to its large working surface, the tool scrapes uniformly across the entire surface. It is suitable for removing silicon putty from motor heads, baked-on seals, vignette, etc.



SKU	L	B	a x b	
620240	165	70	60.8 x 18.9	109

## 1945.1

### Set of 5 blades for 1945



SKU	
621042	33

## 2035

### Brush for cleaning disk brake shoes



- › for cleaning brake disc shoes prior to installing new brake linings and other metal engine parts
- › extremely narrow design for those hard-to-reach spaces
- › Braking causes wear on the brake pads and brake lining material to accumulate in the brake disc shoe - this has to be cleaned when replacing brake pads. The narrow design of this tool allows it to be used to clean brake disc shoes and anything else that might require such cleaning.

SKU	
619739	73



## 2042/2

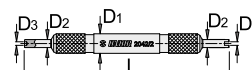
### Tool for tyres valvelets



- › material: premium plus carbon steel
- › surface finish: chrome plated according to ISO 1456:2009
- › for assembling and disassembling Schrader valvelets mechanism
- › one end is designed for assembling and disassembling of mechanism, other end for releasing the air

#### Advantages:

- › the handle of the tools is serrated for a better grip



SKU	L	D1	D2	D3	
621998	115	11	4,5	2	65

## 2203/2BI

### Tool for rotating camshaft pulley



- › material: premium chrome vanadium steel
- › material: pin from premium plus carbon steel
- › for holding pulleys on camshafts, injection pumps
- › for timing pulleys, span from 24 to 160 mm
- › available pin dimensions: Ø5.7, Ø7.7, Ø9.7, Ø11.7, Ø18
- › heavy duty double - component handles
- › jet stamp UNIOR
- › Used to hold the camshaft pulley in place so that the centre screw can be unscrewed prior to removing the camshaft pulley. This easy-to-use tool is intended for all types of camshaft pulleys.

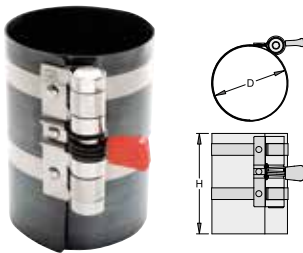


SKU	L	
619723	525	1435



## 2205

### Piston ring compressor



- › use to install pistons on most passenger cars.
- › high quality construction with sprung steel wraps
- › with safety adjusting screws
- › available in a wide range of sizes
- › This tool is used to install pistons and piston rings into engine cylinders. Different sizes are available.

#### How to use the tool:

- › Insert the piston and any piston rings into the tool, position the tool at the opening and use it to insert/push the piston and any piston rings into the cylinder.



SKU	H	D"	D	
619725	50	1 3/4" - 3 1/2"	40 - 90	178
619726	80	2 1/4" - 5"	57 - 125	291
619727	80	3 1/2" - 7"	90 - 175	320
619729	165	3 1/2" - 7"	90 - 175	587

## 2206

### Universal clutch aligner



- › designed for most vehicles, with single plate clutches
- › for clutch up to: 15 - 28 mm
- › Easy to use
- › The tool under art. No. 2206 is the only universal clutch aligner that allows you to align almost any standard passenger car clutch. This is done directly between the clutch plate and the pressure plate by using the universal clutch aligner to join them together. After the clutch aligner is removed, both parts of the clutch are joined together and aligned with regard to their axes.



SKU	
619730	211

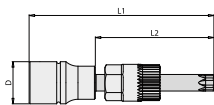


## 2209

### Alternator combination socket



- › This two-part tool for the alternator allows the easy dismantling and mounting of the alternator pulley for the purposes of pulley replacement or alternator repair. The alternator is blocked by means of a 10 mm XZN multispline insert; simultaneously, the pulley retaining screw on the shaft is released/tightened. The tool is available as a 1/2" socket key with a XZN - M10 bit and as a 1/2" socket key with a TX50 bit.



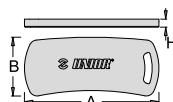
SKU		D	L1	L2	
620225	M 10	23.8	113	75	178
620948	TX 50	23.8	113	75	176

## 1863

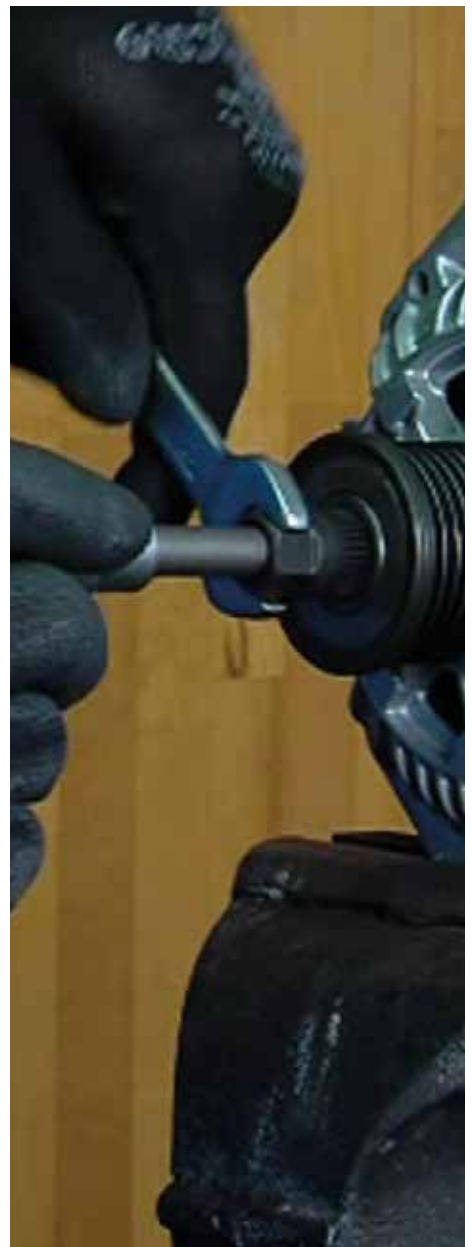
### Universal kneeling and sitting pad



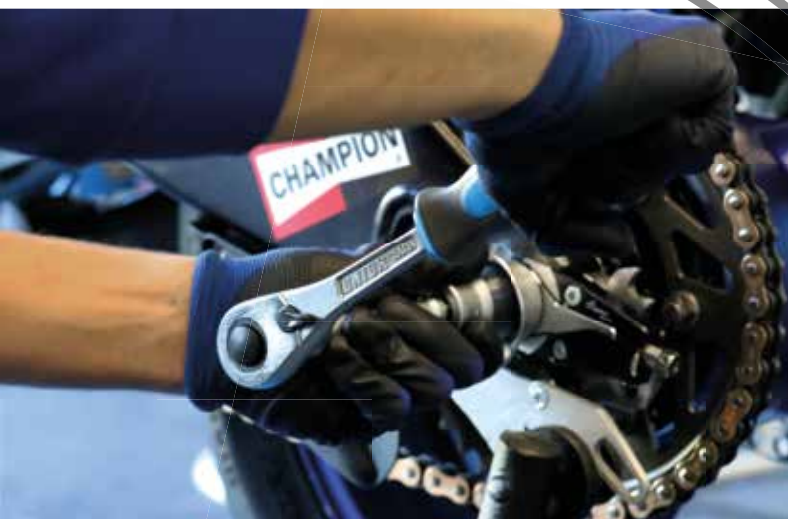
- › material: low density polyethylene foam



SKU	A	B	H	
621982	500	219	30	95







**MADE  
FOR  
WORK.**





# SAFE TOOLS AT HEIGHTS

## Perfect tools adapted for working at height!

Working at height is associated with high risk, so nothing should be left to chance. When working at height, safety is of utmost importance, which is why a comprehensive and strategically focused tool design is important. Because of this, Unior has developed a tool that is attached in such a way that it does not hinder or disturb you at your work, with special fixing solutions. To this end, the fixings must be very well thought out and developed, for classical ways of thinking about tool development here are out of the question. It is also of great importance that the tool is 100% tested and properly inspected for continued use.



## Premium chrome vanadium steel

### Reliability without wear and tear

When it comes to tools, such as spanners and pipe pliers, for example, which need to withstand high loads, properties such as high tensile strength, the corresponding ductility of the material with higher elasticity and the lowest possible susceptibility to cracking are of particular importance. These requirements are particularly well met by Premium chrome/vanadium steel, an alloyed tool steel with manganese, chrome, silicon and carbon. Tools made from this steel have a long service life and are an excellent choice for many years of use.

### Alloyed tool steel 31CrV3, in accordance with EU directive 2000/53/EC

- › 0.60% manganese for higher tensile strength and ductility
- › 0.60% chrome for lower susceptibility to cracking and higher tensile strength
- › 0.30% silicon for higher elasticity
- › 0.35% carbon for appropriate tool hard



#### WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

WRENCHES AT HEIGHTS	312 - 313
PLIERS AT HEIGHTS	314 - 318
OTHER SAFE TOOLS AT HEIGHTS	318 - 321
SAFE TOOL EQUIPMENT	321





The total weight of tools that can be attached to a user's work belt should not exceed 10% of the user's weight.



Attachment ropes should not be shortened, reworked etc. If a rope is damaged or destroyed, do not use the tools.



During work, do not unfasten or detach tools from yourself.



When changing (switching) tools, it is recommended to observe the procedure of replacement described in the Unior d.d. catalogue (tools are attached throughout the replacement with one carabiner or the replacement is made at a so-called safe place).



Do not drop or throw tools deliberately, since this may result in a spring effect and unforeseen consequences.



Tools on a rope should not be wound, since that may lead to unforeseen consequences.



User selects Unior attachment elements depending on the purpose of use and with respect to the weight of tools (tool weight is indicated on a tool).



Tracking manufacture code and final control code are indicated on each tool.



User must be trained to perform work at heights pursuant to the national legislation.



User must use the prescribed personal protective equipment.



Working range at heights is the radius of two metres from the point of attachment on the user. No other person or equipment is permitted within that range due to the possibility of damage caused by a falling tool.



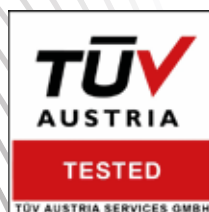
Please check the tools regularly and always before each use.



After any fall of a tool, check the rope and the tool. If necessary, replace the tool and/or rope.



The maximum weight of each tool defined by Unior as safe tool for work at heights attached to a work belt amounts to 2.3kg.



Since our goal is to provide quality products and work solutions to our customers, we have tested Unior safe tools at height and equipment by one of the most reputable organization in the field of certification and testing, **TÜV AUSTRIA SERVICES GMBH.**

The testing results show that **UNIOR** products and equipment are appropriate for safe work at heights, considering the standards for secure work at height and manufacturer's instructions for use.

With the acquisition of the specified certificate, UNIOR Safe tools at height product group is considered to be fit for use.



# SAFE WORK AT HEIGHTS

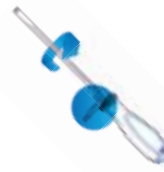
## HIGHLY EFFICIENT SOLUTIONS

### Types of attachments for tools for working at heights

If several tools are attached to a single attachment, the total weight of all of the parts must be taken into account.



*Attachment that slides along the tool with non-removable riveted metal ring, allows use of both ends of tool.*



**Rotating attachment**  
*prevents twisting of lanyards and other attachment devices.*



**Fixed attachment point**  
*non-removable riveted metal ring attached through the metal part of the tool, provides additional safety for heavy tools.*



**Attachment through metal part of tool**  
*not just through the PVC handle which is glued to the tool, but with a non-removable riveted metal ring; this provides additional assurance that the casing will not detach in extreme conditions.*



**VDE**  
*the attachment point on the tool is made in accordance with the requirements of the VDE standard, which allows safe work at high voltage. The use of metal carabiners and lanyards with metal rings on the tool attachment end is prohibited.*



**Safety socket wrenches**  
*the ratchet or T-handle is equipped with a non-removable riveted metal ring which is attached through the metal part of the tool. The connection between the wrench and the accessories is secured not with a ball bearing but with a pin which cannot be removed without a special tool, and cannot be released unintentionally; sockets are switched in a safe area using a special tool.*



**Safety saws**  
*specific tool attachment for working at heights useful for numerous applications when working at heights, with a non-removable riveted metal ring which is attached through the metal part of the tool. The saw blade is not secured, which in theory does not constitute a major danger, since its weight is low and its shape does not allow it to reach high speeds during a fall.*

## 120/1-H

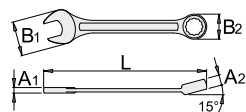
### Combination wrench, long type, for safe work at heights



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › ring part with LIFE profile
- › made according to standard ISO 7738 (metric dimensions only)

#### Advantages:

- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › sliding metal ring does not obstruct use of tool on either end



SKU	⊕	L	B2	B1	A2	A1	⚙
626076	6	119	10,4	14,5	5	3,5	18
626077	7	129	11,5	16,5	5,8	3,9	22
626078	8	141	13,2	18,5	6,9	3,9	28
626079	9	152	14	21	7,3	4	36
626080	10	163	15,9	23	7,5	4,2	43
626081	11	176	17,8	24,5	8	4,5	54
626082	12	186	19,4	26,5	8,5	4,7	64
626083	13	199	20,4	29,5	8,5	5,2	72
626084	14	210	22	31,5	9	5,2	86
626085	15	222	23,5	33,5	9,5	5,7	101
626086	16	234	24,8	36	10,5	6,2	136
626087	17	245	16,1	38	10,5	6,7	155
626088	18	257	27,7	40	11	7,2	173
626089	19	268	29,3	42	12	7,2	198
626090	20	280	31	44	12,5	7,7	224
626091	21	291	32,6	45,5	13	8,2	255
626092	22	303	34,1	46,5	13	8,2	273
626093	23	314	35,7	50,5	13	8,2	316
626094	24	330	37,3	52,5	14	8,5	361
626095	25	337	39	54,5	14,5	8,5	384
626096	26	349	40,1	56	15	8,5	424
626097	27	360	41,6	57,5	15	9	481
626098	28	373	43,2	59,5	15,1	9	542
626099	29	383	44,9	61,5	16	9,5	573
626100	30	395	46,5	63,5	16	10	627
626101	32	416	49	68	16,5	10,5	744
626176	35	500	53,5	78,8	20	13,6	1540
626117	36	500	53,5	78,8	20	13,6	1485
626174	38	515	58	82,8	20,5	14,1	1458
626118	41	540	62	86,8	21	14,6	2113
626295	1/4"	119	10,4	14,5	5	3,5	18

626296	5/16"	142	13,2	18,5	6,9	3,9	28
626297	3/8"	153	14,3	21	7,3	4	33
626298	7/16"	176	17,8	24,5	8	4,5	53
626299	1/2"	199	20,4	29,5	8,5	5,2	74
626300	9/16"	211	22	31,5	9	5,2	83
626301	5/8"	234	24,8	36	10,5	6,2	135
626302	11/16"	245	26,1	38	10,5	6,7	153
626303	3/4"	268	29,3	42	12	7,2	200
626304	13/16"	291	32,6	45,5	13	8,2	258
626305	7/8"	303	34,1	46,5	13	8,2	274
626306	15/16"	330	37,3	52,5	14	8,5	358
626307	1"	337	39	54,4	14,5	8,5	389
626308	1.1/16"	360	41,6	57,5	15	9	477
626309	1.1/8"	372	43,2	59,5	15,5	9	535
626310	1.1/4"	417	49	68	16,5	10,5	748
626311	1.5/16"	417	49	68	16,5	10,5	740
626312	1.3/8"	500	53,5	78,8	20	13,6	1529
626313	1.7/16"	500	53,5	78,8	20	13,6	1489
626314	1.1/2"	500	53,5	78,8	20	13,6	1473
626315	1.5/8"	540	62	86,8	21	14,6	2132
626316	1.11/16"	540	62	86,8	21	14,6	2096



## 179/2-H

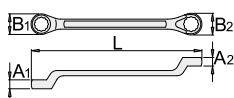
### Scaffolding wrench, for safe work at heights



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › to assemble scaffolding

#### Advantages:

- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › sliding metal ring does not obstruct use of tool on either end



SKU	⊕	L	B1	B2	A1	A2	⚙
626161	21 x 22	316	35	34	17	17	605

## 250/1-H

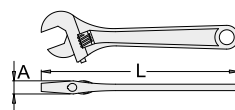
### Adjustable wrench, for safe work at heights



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › with scale
- › made according to standard ISO 6787

#### Advantages:

- › tool weight is marked on each tool



SKU	⊕	L	A	⊕	⚙
626106	200	205	14,4	28	272
626107	250	254	16,9	32	458
626108	300	303,5	19,1	38	709
626109	380	375	23,8	50	1309
626162	450	458,5	26,3	60	1725

## 160/2-H

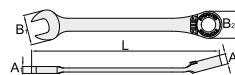
### Ratchet combination wrench, for safe work at heights



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered

#### Advantages:

- › ratchet: works both way, screw direction can be changed with button
- › Stop ring on the ring part of the wrench from the nut and positioning back on the nut.
- › It enables quick and easy tightening of the nut without causing damage to the user and quick, save and precise positioning of the wrench on the nut.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › sliding metal ring does not obstruct use of tool on either end



SKU	⊕	L	B2	B1	A2	A1	⚙
626389	8	134	17,1	16,7	8,4	4,7	41

626390	9	158	21	21	8,4	5,5	68
626391	10	158	21	21	8,4	5,5	66
626392	11	164	22,6	23	9,7	6	77
626393	12	167	23,8	25	9,7	6,2	87
626394	13	177	24,9	27,5	9,7	6	101
626395	14	189	27	29	10,1	7	120
626396	15	198	28,1	31,5	11,7	7,2	148
626397	16	204	29,9	33	11,7	7,5	166
626398	17	224	31,9	34,9	11,7	8	207
626399	18	245	34,4	38,9	12	8,8	249
626400	19	245	34,4	38,9	19	12	247
626401	21	280	45,7	42,6	14,2	9,5	399
626402	22	280	45,7	42,6	14,2	9,5	378
626403	24	310	51,7	46,5	14,7	10	484

## 184/7-H

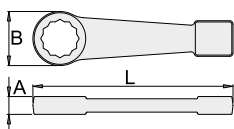
### Slogging ring wrench, for safe work at heights



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: anticorrosive oiled
- made according to standard DIN 7444 (metric dimension only)

#### Advantages:

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	⊕	L	B	A	⚠
626344	24	180	16	48,6	579
626345	27	180	16	48,6	555
626346	30	180	16	48,6	532
626347	32	190	18	58,4	762
626348	36	190	18	58,4	745
626349	41	235	22	74	1466
626350	46	235	22	74	1397
626351	50	235	22	74	1329
626360	1.1/16"	180	16	49	550
626361	1.1/8"	180	16	49	549
626363	1.1/4"	190	18	58	775
626364	1.5/16"	190	18	58	763
626365	1.3/8"	190	18	58	748
626366	1.7/16"	190	18	58	722
626367	1.1/2"	235	22	74	1484
626368	1.5/8"	235	22	74	1477
626369	1.11/16"	235	22	74	1477
626370	1.3/4"	235	22	74	1407
626371	1.13/16"	235	22	74	1414
626372	1.7/8"	235	22	74	1398
626373	2"	235	22	74	1323

## 193HX-H

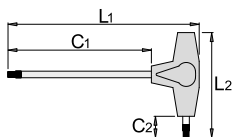
### T-handle hex wrench, for safe work at heights



- material: blade from premium chrome vanadium steel
- handle - polypropylene
- blade chrome plated, black anodised tip

#### Advantages:

- Rotating metal ring is ergonomically designed and prevents twisting of the lanyard.
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	⊕	L1	C1	C2	L2	⚠
626177	2,5	155	125	15	61	13
626178	3	155	125	15	61	16
626180	4	155	125	15	61	24
626182	5	188	150	20	88	56
626183	6	188	150	20	88	74
626184	7	223	175	25	113	128
626185	8	223	175	25	113	198
626186	10	248	200	25	113	233

## 220/3MH-H

### Set of hex wrenches in metal folding holder, for safe work at heights



- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.

SKU	⊕	⚠
626232	2,5, 3, 4, 5, 6, 8, 10	341

## 190/112p-H

### Socket 1/2", 12 point, for safe work at heights



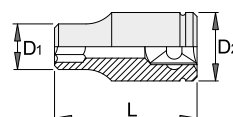
- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished

#### Advantages:

- tool weight is marked on each tool
- made in accordance to the ISO 3315-B (accessories) and ISO 2725-1B (sockets) standards
- switching sockets and accessories requires use of specific tool (Art. 1111)
- sockets and accessories with side holes

#### Caution!

- switching sockets and accessories must be carried out in a previously secured or safe area



SKU	⊕	L	D1	D2	⚠
626143	10	38	15	22,9	53
626144	11	38	16,3	22,9	55
626145	12	38	17,9	22,9	55
626146	13	38	18,8	22,9	56
626147	14	38	19,7	22,9	59
626148	15	38	20,4	22,9	61
626149	16	38	22,9	21,5	57
626150	17	38	24,3	22	58
626151	18	38	25,5	23	67
626152	19	38	26,8	24	72
626153	20	38	28,1	24	76
626154	21	38	29,3	25	84
626155	22	38	30,4	25	86
626156	23	40	31,7	26	99
626157	24	42	33,1	28	120
626158	27	43	37	30	143
626159	30	46	40,7	34	204
626160	32	46	43,2	36	225
626388	36	46	48	42	268
626203	3/8"	38	15	22,9	46
626204	7/16"	38	16,3	22,9	46
626205	1/2"	38	18,8	22,9	50
626206	9/16"	38	20,4	22,9	50
626207	19/32"	38	20,4	20,7	49
626208	5/8"	38	22,9	21,5	55
626209	11/16"	38	25,5	23	56
626210	3/4"	38	26,8	24	59
626211	25/32"	38	27,9	24	76
626212	13/16"	38	29,3	25	72
626213	7/8"	40	31,7	26	89
626214	15/16"	42	33,1	28	108
626215	1"	42	35,3	30	121
626216	1.1/16"	43	37	30	131
626217	1.1/8"	43	39	32	160
626218	1.3/16"	46	40,7	34	185
626219	1.1/4"	46	43,2	36	207



## 190.1/1ABI-H

**Reversible ratchet 1/2", for safe work at heights**



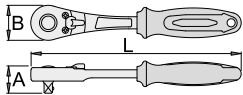
- › material: premium flex chrome vanadium steel
- › body drop forged
- › entirely hardened and tempered
- › surface finish: chrome plated to standard ISO 1456:2009

### Advantages:

- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › made in accordance to the ISO 3315-B (accessories) and ISO 2725-1B (sockets) standards
- › switching sockets and accessories requires use of specific tool (Art. 1111)
- › sockets and accessories with side holes

### Caution!

- › switching sockets and accessories must be carried out in a previously secured or safe area



SKU	■	L	A	B	⚡
626245	1/2"	260	36	45	456

## 190.4/1-H

**Extension bar 1/2", for safe work at heights**



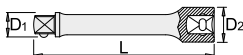
- › material: premium flex chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › polished head
- › made in accordance to the ISO 3315-B (accessories) and ISO 2725-1B (sockets) standards

### Advantages:

- › tool weight is marked on each tool
- › switching sockets and accessories requires use of specific tool (Art. 1111)
- › sockets and accessories with side holes

### Caution!

- › switching sockets and accessories must be carried out in a previously secured or safe area



SKU	■	L	D1	D2	⚡
626103	1/2"	125	16,8	24	183
626104	1/2"	250	16,8	24	331

## 1111

**Socket remover**



- › The tool is used for releasing socket from accessories for safe work at height.

### SKU

627339



14

## 405/1BI-H

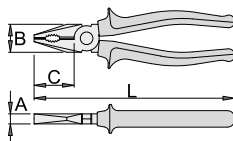
**Combination pliers, for safe work at heights**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5746

### Advantages:

- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	B	C	A	⚡
626958	160	24	35	9,5	223
626959	180	27	38	10	274

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
626958	160	1,6	2,0
626959	180	1,8	2,5

## 406/1VDP-H

**Combination pliers, for safe work at heights**



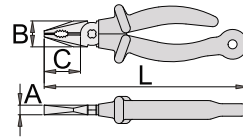
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › made according to standard ISO 5746 and EN IEC 60900

### Advantages:

- › handles are insulated with double layered - double coloured insulation for additional safety
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › tool weight is marked on each tool

### Important!

- › if second layer is visible, replace your insulated tool with a new one.
- › Insulated tool is not designed for use with carabiners, but with a lanyard with a cord.



SKU	■	L	B	C	A	⚡
626963	180	215	27	38	10	276

cutting capacity (10N=1kg)

SKU	■	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
626963	180	1,8	2,5



## 455/1BI-H

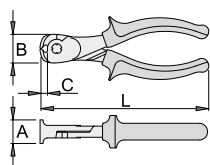
**End cutting nippers, for safe work at heights**



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5748

### Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	B	A	C	Weight
626201	160	27	22	7	255

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm <sup>2</sup> Ø I	max 650 N/mm <sup>2</sup> Ø I
626201	160	1,6	2,5

## 466/1BI-H

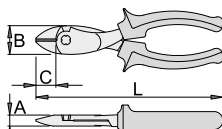
**Heavy duty diagonal cutter, for safe work at heights**



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749

### Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	B	A	C	Weight
626960	160	23,5	10	20,5	230
626961	180	28	11	20	323

cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm <sup>2</sup> Ø I	max 650 N/mm <sup>2</sup> Ø I
626960	160	1,6	2,5
626961	180	1,8	3,0

## 466/1VDP-H

**Heavy duty diagonal cutter, for safe work at heights**



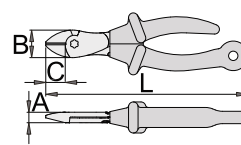
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 5749 and EN IEC 60900



### Advantages:

- handles are insulated with double layered - double coloured insulation for additional safety
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- tool weight is marked on each tool

### Important!

- if second layer is visible, replace your insulated tool with a new one.
- Insulated tool is not designed for use with carabiners, but with a lanyard with a cord.



SKU		L	B	A	C	
626964	180	215	28	11	21	276

cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm <sup>2</sup> Ø I	max 650 N/mm <sup>2</sup> Ø I
626964	180	1,8	3,0



## 508/1BI-H

**Long nose pliers with side cutter and pipe grip, straight, for safe work at heights**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5745

### Advantages:

- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.

## 512/1BI-H

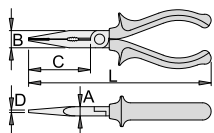
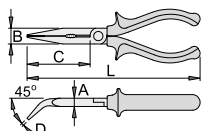
**Long nose pliers with side cutter and pipe grip, bent, for safe work at heights**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles
- › made according to standard ISO 5745

### Advantages:

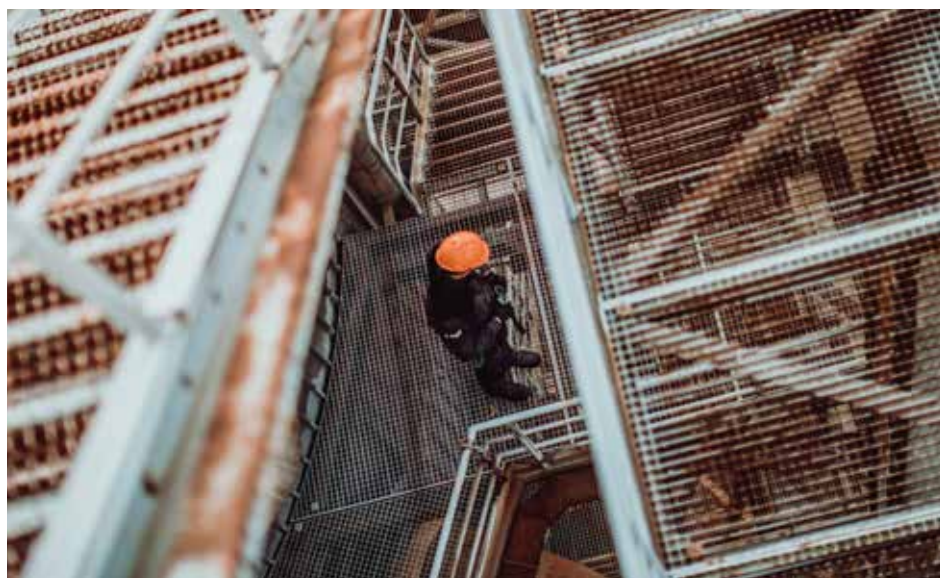
- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › jaws bent to an angle of 45°
- › the long bent jaws enable simple and precise clenching of nuts and screws
- › the strong jaws enable good grip



SKU	L	A	B	C	D	Weight
626189	200	9	17	77	2,5	205

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
626189	200	1,8	2,5



## 514/1BI-H

**Multifunctional electrician's pliers, for safe work at heights**



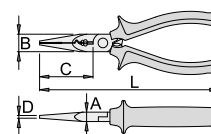
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › cutting edges induction hardened
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles

### Advantages:

- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › 7 different functions
- › multi-toothed jaw
- › ergonomically shaped handle
- › Extra strong grip - the design and shape of the handles give the hand more leverage during use, enabling more stability and safer transmission of force.
- › high durability
- › Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

### Usage:

- › The ground part of the jaw is intended for gripping objects with sensitive surfaces.
- › The pliers can be used for crimping insulated spade terminals.
- › Stripping off insulations from Ø 2.2 mm to Ø 3.0 mm.
- › Stripping off insulations from Ø 3.5 mm to Ø 4.0 mm.
- › Cutting wires from Ø 2.2 mm to Ø 4.0 mm.
- › Crimping cable terminals up to Ø 4.0 mm.



SKU	L	A	B	C	D	Weight
626259	160	9	16	49	2,5	148

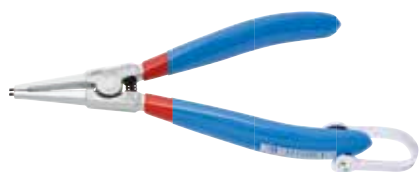
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø I	max 650 N/mm² Ø I
626259	160	1,6	2,0



## 532PLUS/1DP-H

**External lock rings pliers, straight, for safe work at heights**



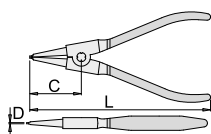
- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › tips black finish
- › double plastic dipped handles
- › made according to standard DIN 5254 form A

### Advantages:

- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › 30% higher endurance in comparison to convenient lock rings pliers
- › with inserted tips
- › for diameter 3 to 100mm

### Usage:

- › for fitting circlips on shafts



SKU	L	♀	D	C	📦
626386	180	19 - 60	1,8	52	205

## 536PLUS/1DP-H

**Internal lock rings pliers, straight, for safe work at heights**



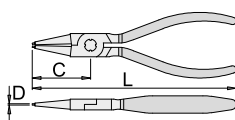
- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › head polished
- › surface finish: chrome plated according to ISO 1456:2009
- › tips black finish
- › double plastic dipped handles
- › made according to standard DIN 5256 form C

### Advantages:

- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › 30% higher endurance in comparison to convenient lock rings pliers
- › with inserted tips
- › for diameter 8 to 100mm

### Usage:

- › for fitting circlips on shafts



SKU	L	♀	D	C	📦
626387	180	19 - 60	1,8	52	189

## 442/1HYPO-H

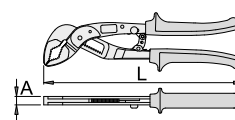
**Variable joint "HYPO" pliers, for safe work at heights**



- › material: premium chrome vanadium steel
- › working surfaces induction hardened
- › heavy duty double - component handles
- › drop forged, entirely hardened and tempered

### Advantages:

- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › The Hypo pliers are self-adjusting for which it is not necessary to preset the width of the jaws.
- › one hand self-adjusting operation
- › The pliers adapt perfectly to the work piece.
- › maximum jaw aperture up to Ø40 mm.
- › The locking mechanism enables easier storage when the pliers are not in use.



SKU	L	A	O <sub>max</sub>	📦
626244	240	9	40	405



## 447/1HPP-H

**Waterpump pliers, for safe work at heights**



- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › working surfaces induction hardened
- › surface finish: chrome plated according to ISO 1456:2009
- › heavy duty double - component handles

### Advantages:

- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › Toothed jaw is designed to ensure optimum grip of an object.
- › Jaw aperture adjustable in 10 positions.
- › Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, work safety, and greater effectiveness.
- › Work: due to the slim construction, the jaws enable one-handed work in difficult-to-reach places
- › Ergonomics: handles are designed to fully adjust to the user's hand and so enable greater handling and work safety

## 580/1BI-H

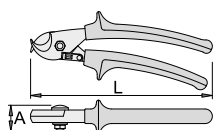
**Cable shears, for safe work at heights**



- › material: premium plus carbon steel
- › drop forged, entirely hardened and tempered
- › surface finish: chrome plated according to ISO 1456:2009
- › head polished
- › heavy duty double - component handles

### Advantages:

- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	A	Øt	⚠
626202	230	22	17	458

## 425/4B-H

**Crimping pliers, for safe work at heights**



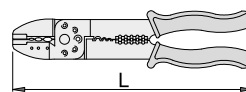
- › material: premium plus carbon steel
- › entirely hardened and tempered
- › heavy duty plastic handles

### Usage:

- › for insulated and closed non-insulated terminals (1,5-6mm<sup>2</sup>), for cutting cables, screws and stripping insulation

### Advantages:

- › In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	⚠	L	⚠
626110	1,5 - 6	240	312

## 1109

**Snap carabiner with screw**



- › surface finish: zinc plated
- › with lock ring
- › carabiner 6 x 60 not for use with tools over 0,8 kg
- › not suitable for personal protection

SKU	⚠	⚠
627336	6 x 60	29
627337	8 x 80	66

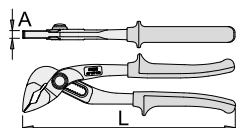
## 1110

**Tool keeper**



- › length up to 107 cm/42"
- › maximum load 1.6 kg
- › retraction force 0.2 kg
- › retraction preventer
- › not suitable for personal protection

SKU	Lt	⚠	⚠
627338	1070	1,07 m/1,6 kg	112



SKU	L	A	Ømax	⚠
626343	240	8,5	40	406

**MADE  
FOR  
WORK.**

## 429/3-H

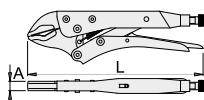
**Universal lock - grip pliers, for safe work at heights**



- › jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- › handles made from sheet metal
- › surface finish: nickel plated
- › screw phosphated
- › symmetric jaws

### Advantages:

- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	A	O <sub>max</sub>	
626163	250	12	35	587
626263	300	14	40	1017

## 492AL-H

**Heavy duty pipe wrench AL, for safe work at heights**



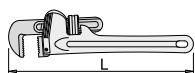
- › material: premium plus carbon steel
- › jaws entirely hardened and tempered, teeth additionally induction hardened
- › adjustable upper jaw

### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges

### Advantages:

- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L"	Ⓜ	O <sub>max</sub>	L	
626119	14"	2"	60	330	999
626120	18"	2.1/2"	76	410	1640

## 481/6-H

**Pipe wrench 45°, Swedish pattern, for safe work at heights**



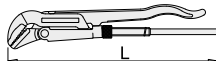
- › material: premium chrome vanadium steel
- › drop forged, entirely hardened and tempered
- › made according to standard DIN 5234 form B

### Advantages:

- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.

### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	Ⓜ	O <sub>max</sub>	L	
626111	2"	70	555	2402

## 492/6-H

**Heavy duty pipe wrench, for safe work at heights**



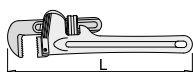
- › material: premium chrome vanadium steel
- › jaws entirely hardened and tempered, teeth additionally induction hardened
- › replaceable jaws, phosphated
- › adjustable upper jaw
- › handle lacquered

### Usage:

- › grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges

### Advantages:

- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L"	Ⓜ	O <sub>max</sub>	L	
626113	10"	1.1/2"	49	250	760

## 605TBI-H

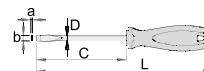
**Flat screwdriver TBI, for safe work at heights**



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, black anodised tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006

### Advantages:

- › Rotating metal ring is ergonomically designed and prevents twisting of the lanyard.
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	axb	C	L	D	
626233	0,4 x 2,5	75	160	2,5	34
626234	0,5 x 3,0	80	165	3	40
626235	0,8 x 4,0	100	185	4	41
626236	1,0 x 5,5	125	225	5,5	79
626237	1,2 x 6,5	150	260	6	103
626238	1,2 x 8,0	175	295	7	164
626239	1,6 x 10,0	200	320	8	195

## 615TBI-H

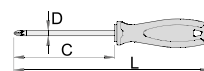
**Crosstip (PH) screwdriver TBI, for safe work at heights**



- › blade: premium hard chrome vanadium steel, entirely hardened and tempered
- › blade chrome plated, blackened tip
- › handle: ergonomic shape
- › three component material
- › hanging hole
- › made according to standard ISO 8764-1,2

### Advantages:

- › Rotating metal ring is ergonomically designed and prevents twisting of the lanyard.
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	+	C	L	D	
626241	PH 1	80	180	4	65
626242	PH 2	100	210	6	94
626243	PH 3	150	270	8	176



## 805A-H

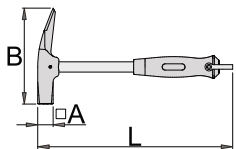
**Carpenters' hammer with magnet, for safe work at heights**



- › material: premium flex plus carbon steel
- › drop forged
- › striking face and nose induction hardened
- › surface finish: lacquered
- › chrome plated metal tubular handle with plastic grip
- › made according to standard DIN 7239

### Advantages:

- › with magnet
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	9°	A	L	B	
626164	550	27	320	168	822

## 1108DB

**Tool lanyards leadingedge TL-E-DB**



- › maximum load 5 kg
- › elastic stretches to 1.9 m
- › attachment cord on one end, suitable for use with insulated tools
- › not suitable for personal protection

SKU	1 m/5 kg	L	L1	
627334	1 m/5 kg	1000	1900	107

## 812-H

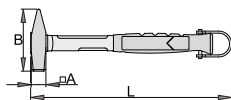
**Locksmiths' hammer, for safe work at heights**



- › material: premium flex plus carbon steel
- › drop forged
- › striking face and nose induction hardened

### Advantages:

- › Reinforced handle with 2 spring steel bars running all the way through the handle.
- › Special bonding process ensures that the head never comes loose from the handle.
- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › Ergonomic rubber grip handle absorbs shock & vibration.



SKU	9°	A	L	B	
627543	500	28	330	118	950

## 1108DD

**Tool lanyard leadingedge TL-E-DD**



- › maximum load 5 kg
- › elastic stretches to 1.9 m
- › metal ring on both ends
- › not suitable for personal protection

SKU	1 m/5 kg	L	L1	
627335	1 m/5 kg	1000	1900	108

## 817-H

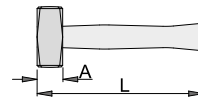
**Club hammer, for safe work at heights**



- › material: premium flex plus carbon steel
- › drop forged
- › striking faces induction hardened

### Advantages:

- › non-removable riveted metal ring
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- › Ergonomic rubber grip handle absorbs shock & vibration.
- › Special bonding process ensures that the head never comes loose from the handle.
- › Reinforced handle with 4 spring steel bars running all the way through the handle. Bars locked into the hammer head ensure that the head never becomes dislodged.



SKU	9°	A	L	
627542	1800	40	300	2356

## 641/6HS-H

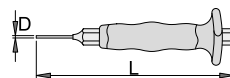
**Pin punch with handle, for safe work at heights**



- › material: premium chrome vanadium steel
- › entirely hardened and tempered
- › tip induction hardened
- › surface finish: lacquered
- › ergonomic heavy duty double component handle
- › made according to standard DIN 6450

### Advantages:

- › Rotating metal ring is ergonomically designed and prevents twisting of the lanyard.
- › tool weight is marked on each tool
- › the rings on the tools are large enough to accept 2 carabiners
- › Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	D	L		
626327	2	150	10	81
626328	3	150	10	76
626329	4	150	10	79
626330	5	150	10	83
626331	6	150	10	86
626332	8	150	12	99

**MADE  
FOR  
WORK.**

## 642/6HS-H

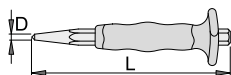
**Centre punch with handle, for safe work at heights**



- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 7250

### Advantages:

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	D	L		
626342	5	120	12	83

## 660/6HS-H

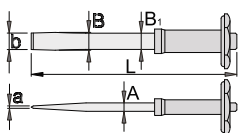
**Flat chisel with guard, for safe work at heights**



- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6453

### Advantages:

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	axb	B	
626195	250	4 x 26	24	615

## 666/6AHS-H

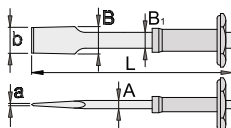
**Slitting chisel with guard, for safe work at heights**



- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

### Advantages:

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	axb	B	
626196	240	3 x 28	28	459

## 760HB-H

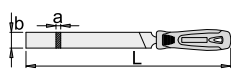
**Flat file with handle, bastard, for safe work at heights**



- material: premium hard plus carbon steel
- all files have second cut

### Advantages:

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	axb	
626260	300	425	6,5 x 30

## 556A-H

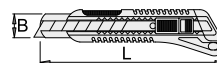
**Utility knife, for safe work at heights**



- double component handle
- 3 exchangeable snap-off blades inside the handle for 627548 and 616853
- blade with 13 snap-off blades
- blade from high alloy steel

### Advantages:

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	B	
626289	160	18	99

## 1107

**Tool belt**



- three-point secure release/closure
- belt adjustable to max. 114 cm/45"
- maximum load 30 kg
- 6 metal rings
- comfortable when loaded
- not suitable for personal protection

SKU	L1	
627332	114	255

## 1108DS

**Tool lanyards leadingedge TL-E-DS**



- maximum load 5 kg
- elastic stretches to 1.9 m
- rotating metal ring on working end
- not suitable for personal protection

SKU	L	L1	
627333	1 m/5 kg	1000	1900



# SET OF TOOLS

**For domestic and professional users!**

Tool sets are the right choice when we know that we'll need a specially adapted or a standard tool set for every occasion and type of work. They are suitable for both domestic and professional users, so we offer everything from classic to more advanced sets, and their thoughtful composition enables complete adaptability to the needs of our customers and their wishes. It is certainly a high quality, meaningful and cost-effective choice of tools.





#### **FOR BEGINNERS AND EXPERTS**

Sets with different types of wrenches, pliers, screwdrivers, files, hammers, punchers and chisels, as well as other tools, are an excellent choice for experienced craftsmen of their profession, just as they are the right choice for beginners.



#### **ATTRACTIVE SELECTION**

The composition of the various kits is based on continuing collaboration with local professional users of Unior tools. Pre-prepared kits take into account the needs of each activity. They are a high-quality, meaningful and cost-effective selection of tools.



#### **A SIMPLE CHOICE**

An industry-specific toolkit makes it easy to choose and buy the specific accessories you need in your work. Electricians, car mechanics, bodywork mechanics, computer technicians and others can trust in Unior's experience.

COMPLETE SERVICE SOLUTIONS **325 - 333**

TOOL SETS IN SOS TOOL TRAY **334 - 347**

TOOL SETS **348 - 351**

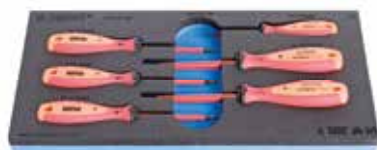


### SOS tool trays – advantages:

The SOS tool trays are made from dual-layered foamed polyethylene, which is resistant to grease, petrol, oil, nitro diluents, adhesives and motor oil – all of which can easily be removed without leaving any visible residue (stains). Adhesives and motor oil need to be removed immediately by cleaning with petrol in order to avoid permanent staining.

### Material

Low density polyethylene foam.



These tool trays of polyethylene foam are used for clearer and better organised tool storage in tool boxes, tool cases, the drawers of tool carriages and tool cabinets. This storage is known as the SOS SYSTEM. These tool trays can be used in a wide range of temperatures, do not absorb dampness and, with normal use, have a long lifespan. They protect the tools by holding them in their own specifically designed place, thus preventing them from moving uncontrollably around in the storage area. As the positions in the tray are precisely defined and designed for each specific tool, it is also easy to establish which tools are missing.

### SOS System

- S** - Safety (Safety)
- O** - Order (Order)
- S** - Survey (Survey)

## Tool set with tool carriage 940EV6



## SKU

621756



318

1011A, 940EV6 (800x440x923)

## 964/28SOS



## SKU

621387



52

**110/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32),  
**120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR8 - TR40x9), **VL964/28SOS** (564x364x30)

## 964/29ASOS



## SKU

623932



28

**215/2** (6 x 7, 8 x 10, 13 x 17, 19 x 22, 24 x 27, 30 x 32),  
**215.1/2** (6 - 17, 18 - 32), **182/2BTX** (E6 x E8, E10 x E12, E14 x E18, E20 x E24), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32), **202/1** (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), **VL964/29ASOS** (564x364x30)

## 964/33SOS



## SKU

621392



30

**605TBI** (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **629TBI** (6, 7, 8, 9, 10, 11, 12, 13), **VL964/33SOS** (564x364x30)

## 964/34SOS



## SKU

621393



18

**193HXS** (2.5, 3, 4, 5, 6, 8, 10), **193TX** (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), **760H1/25** (200), **764H1/25** (200), **556B** (160x18), **VL964/34SOS** (564x364x30)

► Basic tool set for maintenance in car repair workshops, agro services and maintenance in the industry.

## SKU

621397



317

964/28SOS, 964/29ASOS, 964/32ASOS, 964/30SOS, 964/31SOS, 964/33SOS, 964/34SOS

## 964/32ASOS



## SKU

623936



14

**406/1BI** (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **514/1BI** (160), **512/1BI** (200), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **642/6** (5), **660/6** (200), **812** (400), **820A** (40), **VL964/32ASOS** (564x364x30)

## 964/30SOS



## SKU

621389



96

**188/2 6P** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4"-3/8"), **188.8** (1/4"), **238/1 6P** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1FBI** (3/8"), **238.2/1BI** (3/8"), **238.3/1** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **238.4/1** (3/8"x125, 3/8"x250), **238.6/1** (3/8"), **238.7/1** (3/8"-1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2"), **VL964/29ASOS** (564x364x30)

## 964/31SOS



## SKU

621390



79

**192/2TX** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **192/2TXL** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), **192/2ZX** (M 5, M 6, M 8, M 10, M 12, M 14), **192/2ZXL** (M 6, M 8, M 10, M 12, M 14), **192/2HXL** (5x100, 6x100, 7x100, 8x100, 10x100, 12x100), **190/1 12P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), **186.4/2** (16, 19, 21), **641/6** (2, 3, 4, 5, 6, 8), **263** (1/2"/40-200 Nm), **VL964/31SOS** (564x364x30)



## Tool set with tool carriage 940EV4



SKU		
621757	1011B, 940EV4 (800x440x923)	184

► Basic tool set for maintenance in car repair workshops and maintenance in the industry.

SKU	
621398	184
964/32ASOS, 964/35SOS, 964/36SOS, 964/37SOS	

## 964/32ASOS



SKU	
623936	14

406/1BI (180), 430/3 (250), 447/1HPP (240), 466/1BI (180), 514/1BI (160), 512/1BI (200), 532PLUS/1DP (180x19 - 60), 534PLUS/1DP (180x19 - 60), 536PLUS/1DP (180x19 - 60), 538PLUS/1DP (180x19 - 60), 642/6 (5), 660/6 (200), 812 (400), 820A (40), VL964/32ASOS (564x364x30)

## 964/36SOS



SKU	
621395	88

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 187/2SL (0.8 x 4, 1.0 x 5.5, 1.2 x 7), 187/2PH (PH 1, PH 2, PH 3), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x5.5, 1/4"x150), 188.8 (1/4"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 191/1 (E 10, E 11, E 12, E 14), 192/2HX (6, 7, 8, 9, 10, 12), 192/2TX (TX 30, TX 40, TX 45, TX 50), 192/2ZXL (M 6, M 8, M 10, M 12), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x250, 1/2"x125), 190.6/2 (1/2") VL964/36SOS (564x364x30)

## 964/37SOS



SKU	
621396	28

605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.6 x 8.0x175), 615TBI (PH 0x60, PH 1x80, PH 2x100, PH 3x150), 626TBI (PH 1x25, PH 2x25), 627TBI (1.0 x 5.5x25, 1.2 x 6.5x25), 621TBI (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 193HXS (3, 4, 5, 6, 8, 10), VL964/37SOS (564x364x30)

## 964/35SOS



SKU	
621394	54

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), 120/1 (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), 180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), 183/2 (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22), 220/3SPH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 220/7TXPH (TR8 - TR40x9), VL964/28SOS (564x364x30)

## Tool set with tool carriage 940EV6



SKU	
624138	231
1011D, 940EV6 (800x440x923)	

## 964/48SOS



SKU	
623989	11

405/1BI (180), 430/3 (250), 447/1HPP (240), 466/1BI (180), 508/1BI (170), 532PLUS/1DP (180x19 - 60), 534PLUS/1DP (180x19 - 60), 536PLUS/1DP (180x19 - 60), 538PLUS/1DP (180x19 - 60), 582/3P (145), 819A (45), VL964/48SOS (564x364x30)

## 964/33SOS



SKU	
621392	30

605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175), 615TBI (PH 0x60, PH 1x80, PH 2x100, PH 3x150), 626TBI (PH 1x25, PH 2x25), 627TBI (1.0x5.5x25, 1.2x6.5x25), 621TBI (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 629TBI (6, 7, 8, 9, 10, 11, 12, 13), VL964/33SOS (564x364x30)

## 964/49SOS



SKU	
623990	13

300/2C (320), 556A (160x18), 701 (0.05 - 1x20), 710P (3m), 753P (150), 760H1/2S (200), 761H1/2S (200), 763H1/2S (200), 764H1/2S (200), 812 (400), 820A (40), 2035, 2087 (1kg), VL964/49SOS (564x364x30)

Basic tool set for maintenance in car repair workshops and maintenance in the industry.

SKU		
623928		230
964/28SOS, 964/29ASOS, 964/30SOS, 964/33SOS, 964/48SOS, 964/49SOS		

## 964/28SOS



SKU	
621387	52

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), 120/1 (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), 180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 220/35PH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 220/7TXPH (TR8 - TR40x9), VL964/28SOS (564x364x30)

## 964/29ASOS



SKU	
623932	28

215/2 (6 x 7, 8 x 10, 13 x 17, 19 x 22, 24 x 27, 30 x 32), 215.1/2 (6 - 17, 18 - 32), 182/2BTHX (E6 x E8, E10 x E12, E14 x E18, E20 x E24), 183/2 (8 x 10, 10 x 11, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32), 202/1 (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), VL964/29ASOS (564x364x30)

## 964/30SOS



SKU	
621389	96

188/26P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), 189/2 (E4, E5, E6, E7, E8, E10, E11), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 187/2SL (0.8x4, 1.0x5.5, 1.2x7), 187/2PH (PH 1, PH 2, PH 3), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x55, 1/4"x150), 188.6/2 (1/4"), 188.7/2 (1/4" - 3/8"), 188.8 (1/4"), 238/1 6P (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 238.1/1FBI (3/8"), 238.2/1BI (3/8"), 238.3/1 (3/8"), 238.4/2 (3/8"x45, 3/8"x75), 238.4/1 (3/8"x125, 3/8"x250), 238.6/1 (3/8"), 238.7/1 (3/8" - 1/2"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x250, 1/2"x125), 190.6/2 (1/2"), VL964/29ASOS (564x364x30)



## Tool set with tool carriage 940EV4



## SKU

624137



127

940EV4, 964/46SOS, 964/47SOS, 964/48SOS, 964/49SOS



## 964/46SOS



## SKU

623987



36

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24), 220/3PH (1.5, 2.5, 3, 4, 5, 6, 8, 10), 605TBI (0.4 x 2.5x75, 0.5 x 3.0x80, 0.6 x 3.5x100, 0.8 x 4.0x100, 1.2 x 6.5x150, 1.2 x 8.0x175), 615TBI (PH 1x80, PH 2x100), 627TBI (1.0 x 5.5x25), 626TBI (PH 2x25), VL964/46SOS (564x364x30)

## 964/47SOS



## SKU

623988



67

188/2 6P (5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), 187/2HX (3, 4, 5, 6, 7), 187/2PH (PH 1, PH 2), 187/2SL (0.8 x 4, 1.0 x 5.5, 1.2 x 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 188.1/1ABI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x150, 1/4"x55), 188.6/2 (1/4"), 188.8 (1/4"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32), 190.1/1ABI (1/2"), 190.3/1 (1/2"), 190.4/1S (1/2"x125, 1/2"x250), 190.6/2 (1/2"), 641/6 (3, 4, 5, 6), 642/6 (5), 660/6 (150, 200) VL964/47SOS (564x364x30)

## 964/48SOS



## SKU

623989



11

405/1BI (180), 430/3 (250), 447/1HPP (240), 466/1BI (180), 508/1BI (170), 532PLUS/1DP (180x19-60), 534PLUS/1DP (180x19-60), 536PLUS/1DP (180x19-60), 538PLUS/1DP (180x19-60), 582/3P (145), 819A (45), VL964/48SOS (564x364x30)

## 964/49SOS



## SKU

623990



13

300/2C (320), 556A (160x18), 701 (0.05-1x20), 710P (3m), 753P (150), 760H1/2S (200), 761H1/2S (200), 763H1/2S (200), 764H1/2S (200), 812 (400), 820A (40), 2035, 2087 (1kg), VL964/49SOS (564x364x30)



## Tool set with tool carriage 920PLUS1



SKU

625594

920PLUS1 (810x510x945), 964/31SOS, 964/32ASOS, 964/33SOS, 964/28SOS, 964/34SOS, 964/30SOS

290

## 964/28SOS



SKU

621387

52

110/1 (6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x27,25x28,30x32), 120/1 (6,7,8,9,10,11,13,14,15,16,17,18,19,20,21,22,24,27), 180/1 (6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x26,25x28,27x32), 220/3SPH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 220/7TXPH (TR8-TR40x9), VL964/28SOS (564x364x30)

## 964/30SOS



SKU

621389

96

188/2 6P (4,4.5,5,5.5,6,7,8,9,10,11,12,13), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 187/2SL (0.8x4, 1.0x5.5, 1.2x7), 187/2PH (PH 1, PH 2, PH 3), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x55, 1/4"x150), 188.6/2 (1/4"), 188.7/2 (1/4"-3/8"), 188.8 (1/4"), 238/1 6P (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 238.1/1FBI (3/8"), 238.2/1BI (3/8"), 238.3/1 (3/8"), 238.4/2 (3/8"x45, 3/8"x75), 238.4/1 (3/8"x125, 3/8"x250), 238.6/1 (3/8"), 238.7/1 (3/8"-1/2"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x250, 1/2"x125), 190.6/2 (1/2"), VL964/29ASOS (564x364x30)

## 964/31SOS



SKU

621390

79

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 192/2TXL (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 191/1 (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), 192/2ZX (M 5, M 6, M 8, M 10, M 12, M 14), 192/2HX (5, 6, 7, 8, 9, 10, 12, 14), 192/2HXL (5x100, 6x100, 7x100, 8x100, 10x100, 12x100), 190/1 12P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), 186.4/2 (16, 19, 21), 641/6 (2, 3, 4, 5, 6, 8), 263 (1/2"/40-200 Nm), VL964/31SOS (564x364x30)

## 964/32ASOS



SKU

623936

14

406/1BI (180), 430/3 (250), 447/1HYPO (240), 466/1BI (180), 514/1BI (160), 517/1BI (200), 532PLUS/1DP (180x19-60), 534PLUS/1DP (180x19-60), 536PLUS/1DP (180x19-60), 538PLUS/1DP (180x19-60), 642/6 (5), 660/6 (200), 812 (400), 820A (40), VL964/32ASOS (564x364x30)

## 964/33SOS



SKU

621392

30

605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175), 615TBI (PH 0x60, PH 1x80, PH 2x100, PH 3x150), 626TBI (PH 1x25, PH 2x25), 627TBI (1.0x5.5x25, 1.2x6.5x25), 621TBI (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 629TBI (6, 7, 8, 9, 10, 11, 12, 13), VL964/33SOS (564x364x30)

## 964/34SOS



SKU

621393

18

193HXS (2.5, 3, 4, 5, 6, 8, 10), 193TX (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), 760H1/2S (200), 764H1/2S (200), 556B (160x18), VL964/34SOS (564x364x30)

## Tool set with tool carriage 940ECO



SKU		↓
625595		92
940ECO (700x355x890), 964ECO2A, 964ECO6, 964ECO9, 964ECO19, 964ECO5		



## 964ECO2A



SKU		↓
621288	8 - 24	12
120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), <b>VL964ECO2A</b> (498x135x30)		

## 964ECO6



SKU		↓
621291		4
406/1BI (180),  461/1BI (160),  514/1BI (160),  445/1BI (240), <b>VL964ECO6</b> (498x135x30)		

## 964ECO9



SKU		↓
621292		8
605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150),  615TBI (PH 0x60, PH 1x80, PH 2x100),  625TBI (PZ 2x100), <b>VL964ECO9</b> (498x135x30)		

## 964ECO19



SKU		↓
621294	10 - 32	23
190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32),  190.1/1ABI (1/2"),  190.3/1 (1/2"),  190.4/1 (1/2"x250, 1/2"x125),  190.6/2 (1/2"), <b>VL964ECO19</b> (498x135x30)		

## 964ECO5



SKU		↓
621290		45
188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13),  189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11),  187/2HX (3, 4, 5, 6, 7),  187/2PH (PH 1, PH 2, PH 3),  187/2SL (0.8 x 4, 1.0 x 5.5, 1.2 x 7),  187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40),  188.1/1ABI (1/4"),  188.2/2BI (1/4"),  188.3/2 (1/4"),  188.4/2 (1/4"x150, 1/4"x55),  188.6/2 (1/4"),  188.7/2 (1/4" - 3/8"),  188.8 (1/4"), <b>VL964ECO5</b> (498x135x30)		



## Set of tools for servicing heavy machinery and vehicles



► Tool set offers all the necessary tool for maintenance of the agricultural machines.

SKU	
623942	184
964/28SOS, 964/33SOS, 964/50SOS, 964/51SOS, 964/52SOS, 964/53SOS, 940EV6 (800x440x923)	

## 964/50SOS



SKU	
623991	57
190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x125, 1/2"x250), 190.6/2 (1/2"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190/1L12P (10, 13, 17, 19, 22, 24), 192/2HX (5, 6, 7, 8, 9, 10, 12, 14, 17), 220/3PH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 641/6 (2, 3, 4, 5, 6, 8), 642/6 (4), 660/6 (150), 670/6 (150), VL964/50SOS (564x364x30)	

## 964/51SOS



SKU	
623992	14
406/1BI (180), 430/3 (250), 445/1BI (24), 466/1BI (180), 508/1BI (200), 512/1BI (200), 532PLUS/1DP (180x19 - 60), 534PLUS/1DP (180x19 - 60), 536PLUS/1DP (180x19 - 60), 538PLUS/1DP (180x19 - 60), 812 (400), 642/6 (5), 660/6 (200), 820 (40), VL964/51SOS (564x364x30)	

## 964/28SOS



SKU	
621387	52
110/1 (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32), 120/1 (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), 180/1 (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32), 220/3SPH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 220/7TXPH (TR8 - TR40x9), VL964/28SOS (564x364x30)	

## 964/33SOS



SKU	
621392	30
605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175), 615TBI (PH 0x60, PH 1x80, PH 2x100, PH 3x150), 626TBI (PH 1x25, PH 2x25), 627TBI (1.0 x 5.5x25, 1.2 x 6.5x25), 621TBI (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 629TBI (6, 7, 8, 9, 10, 11, 12, 13), VL964/33SOS (564x364x30)	

## 964/52SOS



SKU	
623993	8
812 (800, 1000), 300/2 (400, 500), 750B (400), 760H1/25 (200), 763H1/25 (200), 556A (160x18), VL964/52SOS (564x364x30)	

## 964/53SOS



SKU	
623995	22
197.1/1 (3/4"x500), 197.3/1 (3/4"), 197.4/1 (3/4"x200, 3/4"x400), 197/1 6P (22, 24, 27, 30, 32, 36, 38, 41, 46, 50), 197/2AHX (14, 17, 19, 22), 197.7/1 (3/4" - 1/2"), 190.7/2 (1/2"x3/4"), 2035, 2087 (1kg), VL964/53SOS (564x364x30)	





## 1015A

### Set of tools for air-conditions



► Designed for basic assembling and maintenance of the air conditioners.

SKU		
623947		52
120/1 (10, 13, 17, 19), 160/2 (10, 13, 17), 190/1 6P (17, 19), 190/1L12P (13, 17), 190.1/1ABI (1/2"), 190.4/1 (1/2"x125), 220FH (2.5, 3, 4, 5, 6, 8, 10), 220/3LPH, 250/1 (150), 250/1ADP (200, 250), 358/6A (3 - 16x1/8" - 5/8"), 360/6A (3 - 35x1/8" - 1.3/8"), 363A (3 - 42), 385H (4 - 28), 406/1BI (180), 429/3 (175), 461/1BI (160), 466/1BI (180), 580/1BI (170), 603CS6VDETB, 626TBI (PH 1x25, PH 2x25), 630VDE (0.6 x 3.5x180), 556A (160x18), 710P (5m), 812 (300), 753P (150), 2084 (240), 1250 (400), 2042/2 (115), 917A (514x280x260)		

## 1013C

### Set of tools for plumbers, basic



► The set provides you with all the basic tools you need when working. It is packed in a handy bag where you can arrange the tool pieces in a visible way, as there are many pouches available. The bag is made of durable textiles and can be carried by handles or strap, allowing for hands-free carrying.

► set include one carpenter's pencil

SKU		
628822		29
1112 (510x280x310), 220/35PH, 360/6A (3 - 35x1/8" - 1.3/8"), 508/1BI (200), 447/1HPP (240), 461/1BI (160), 482/6 (1.1/2"), 531/4 (224), 563R/7PR (280), 605TBI (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), 615TBI (PH 1x80, PH 2x100), 630VDE (0.6 x 3.5x180), 710W (2m), 753W (150), 812 (500), 1299 (180), 1250 (300), 2035		

## 1016B

### Premium set for computer service



SKU		
627012	TX 6 - 150	39
406/4E (120), 461/4E (115), 406/1BI (180), 461/1BI (160), 427/4DG, 556B (160x18), 626TBI (PH 2x25), 627TBI (0.8 x 4.0x25), 605E (0.25 x 1.2x60, 0.23 x 1.5x60, 0.3 x 1.8x60, 0.4 x 2.5x75, 0.5 x 3.0x100, 0.5 x 3.0x150, 0.8 x 4.0x100, 0.8 x 4.0x150), 615E (PH 00x60, PH 00x60, PH 0x60, PH 1x80), 625E (PZ 0x60, PZ 1x80), 621E (TX 6, TX 7, TX 8, TX 9, TX 10, TX 15, TX 20), 605TBI (1.2 x 6.5x100), 615TBI (PH 0x60, PH 1x80, PH 2x100), 633 (52), 820 (27), 760H1/2S (150), 1343 (155), 2091A, 981PB4 (393x331x95)		

## 1018A

### Set of VDE tools, premium



► It is made for the most demanding high voltage work. The set is safely stored in a folder with handles, and larger pieces can be stored either in the side pouches or inside of a large ultra durable wheeled bag. The sturdy bag handle provides all the mobility you need.

SKU		
628819		48
1113 (460x270x400), 110/2VDEDP (10, 13, 14, 17, 19, 22), 180/2VDEDP (10, 13, 14, 17, 19, 22), 190.1AVDEDP (1/2"), 190.4/2VDEDP (1/2"x125, 1/2"x250), 190.5/2VDEDP (250), 190/2LVDEDP (10, 11, 12, 13, 14, 17, 19, 22, 24), 385AVDEDP (180), 385H (4 - 28), 406/1VDEBI (180), 447/1VDEBI (240), 466/1VDEBI (180), 467SHARK/4DP (250), 478/1VDEBI (160), 514/1BI (160), 580/1VDEBI (230), 603VDETB (0.4 x 2.5x75, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), 613VDETB (PH1x80, PH2x100), 630VDE (0.6 x 3.5x180), 1351V (160 (6x))		



## 964/1SOS

Set of open end wrenches in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- › 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32



SKU	110/1	12
621049	6 - 32	12
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), <b>VL964/1SOS</b> (188x364x30)		

## 964/1ASOS

Set of open end wrenches in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- › 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32



SKU	110/1	12
621050	6 - 32	12
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), <b>VL964/1SOS</b> (188x364x30)		

## 964/2SOS

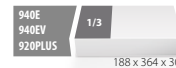
Set of combinations wrenches in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- › 12x short combination wrench (article 125/1) dim. 8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24



SKU	125/1	12
621051	8 - 24	12
125/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), <b>VL964/2SOS</b> (188x364x30)		

## 964/2ASOS

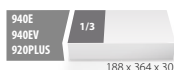
Set of combinations wrenches, long in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- › 12x long combination wrench (article 120/1) dim. 8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24



SKU	120/1	12
621052	8 - 24	12
120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), <b>VL964/2ASOS</b> (188x364x30)		

## 964/2BSOS

Set of combinations wrenches, IBEX in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

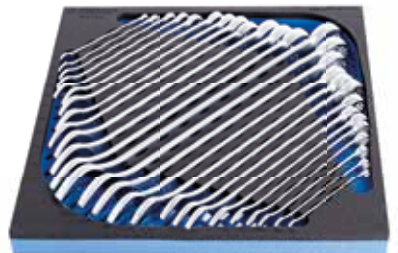
- › 12x combination wrench IBEX (article 129/1) dim. 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24



SKU	129/1	12
621053	8 - 24	12
129/1 (8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24), <b>VL964/2BSOS</b> (188x364x30)		

## 964/2CSOS

Set of combinations wrenches, long in SOS tool tray



- › Tool tray dimension: 374 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- › 26x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32



SKU	120/1	26
621054	6 - 32	26
120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), <b>VL964/2CSOS</b> (374x364x40)		



## 964/2DSOS

Set of combination and hexagon wrenches, long in SOS tool tray



- Tool tray dimension: 374 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 18x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
- 9x hex wrench, long type (article 220/3L) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip



SKU		
621563	18	
120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24), 220/3L (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), VL964/2DSOS (374x364x30)		

## 964/2FSOS

Set of short combinations wrenches in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 12x short combination wrench (article 125/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17



SKU		
621908	6 - 17	12
125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17), VL964/2FSOS (188x364x30)		

## 964/3SOS

Set of offset ring wrenches in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 8x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22



SKU		
621055	6 - 22	8
180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), VL964/3SOS (188x364x30)		

## 964/4SOS

Set of offset ring wrenches in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 4x ring wrench (article 180/1) dim. 21x23, 24x27, 25x28, 30x32



SKU		
621056	21 - 32	4
180/1 (21 x 23, 24 x 26, 25 x 28, 27 x 32), VL964/4SOS (188x364x30)		

## 964/5SOS

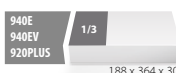
Set of 1/4" socket wrenches with accessories in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 11x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1.0x5.5, 1.2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
- 1x spinner handle 1/4"



SKU		
621057		45
187/2HX (3, 4, 5, 6, 7), 187/2PH (PH 1, PH 2, PH 3), 187/2SL (0.8 x 4, 1.0 x 5.5, 1.2 x 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x150, 1/4"x55), 188.6/2 (1/4"), 188.7/2 (1/4"-3/8"), 188.8 (1/4"), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), VL964/5SOS (188x364x30)		



## 964/5S12SOS

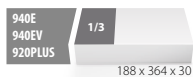
### Set of 1/4" socket wrenches with accessories in tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 11x socket 1/4", 12 point (article 188/2 12P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1.0x5.5, 1.2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
- 1x spinner handle 1/4"



SKU	
621185	45
188/2 12P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.4/2 (1/4"x5.5, 1/4"x150), 188.3/2 (1/4"), 188.8 (1/4"), 188.6/2 (1/4"), 188.7/2 (1/4"- 3/8"), 187/2PH (PH 1, PH 2, PH 3), 187/2SL (0.8 x 4, 1.0 x 5.5, 1.2 x 7), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), VL964/5S12SOS (188x364x30)	

## 964/6SOS

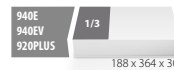
### Set of BI pliers in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x diagonal cutting nippers (article 461/1BI) dim. 160
- 1x straight long nose pliers with side cutter and pipe grip (article 508/1BI) dim. 170



SKU	
621058	3
406/1BI (180), 461/1BI (160), 508/1BI (170), VL964/6SOS (188x364x30)	

## 964/7SOS

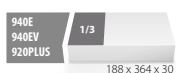
### Set of BI and grip pliers in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 1x double groove joint pliers (article 445/1BI) dim. 240
- 1x grip pliers (article 430/3) dim. 250



SKU	
621059	2
430/3 (250), 445/1BI (240), VL964/7SOS (188x364x30)	

## 964/8ASOS

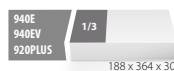
### Set of lock ring pliers in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180



SKU	
621061	4
532PLUS/1DP (180x19 - 60), 534PLUS/1DP (180x19 - 60), 536PLUS/1DP (180x19 - 60), 538PLUS/1DP (180x19 - 60), VL964/8SOS (188x364x30)	

## 964/9SOS

### Set of TBI screwdrivers in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 4x TBI flat screwdriver (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 3x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100
- 1x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 2x100



SKU	
621062	8
605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), 615/TBI (PH 0x60, PH 1x80, PH 2x100), 625TBI (PZ 2x100), VL964/9SOS (188x364x30)	

## 964/9BSOS

Set of socket wrenches with TBI handle in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 6x socket wrench with TBI handle (article 629TBI) dim. 5, 5, 6, 8, 10, 12, 13



SKU	
621063	6
<b>629TBI</b> (5, 5, 6, 8, 10, 12, 13), <b>VL964/9BSOS</b> (188x364x30)	

## 964/9CSOS

Set of screwdrivers TBI with TX profile in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 8x TBI screwdriver with TX profile (article 621TBI) dim. TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45



SKU	
621560	8
<b>621TBI</b> (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), <b>VL964/9CSOS</b> (188x364x30)	

## 964/9DSOS

Set of screwdrivers TBI in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 4x TBI screwdriver with TX profile (article 621TBI) dim. TX 6, TX 7, TX 8, TX 9
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100
- 2x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 1x80, PZ 2x100



SKU	
621561	8
<b>621TBI</b> (TX 6, TX 7, TX 8, TX 9), <b>615TBI</b> (PH 1x80, PH 2x100), <b>625TBI</b> (PZ 1x80, PZ 2x100), <b>VL964/9DSOS</b> (188x364x30)	

## 964/10SOS

Set of hammers and punches in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 1x drift punch (article 640/6) in dim. 5
- 1x centre punch (article 642/6) in dim. 5
- 1x flat chisel (article 660/6) in dim. 150
- 1x locksmiths' hammer (article 812) in dim. 300
- 1x plastic hammer (article 820) dim. 32



SKU	
621064	5
<b>640/6</b> (5), <b>642/6</b> (5), <b>660/6</b> (150), <b>812</b> (300), <b>820</b> (400), <b>VL964/10SOS</b> (188x364x30)	

## 964/13SOS

Set of ball-end hexagonal screwdrivers with T handle in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 6x T-handle ball-end hex wrench (article 193HXS) dim. 3, 4, 5, 6, 8, 10



SKU	
621067	6
<b>193HXS</b> (3, 4, 5, 6, 8, 10), <b>VL964/13SOS</b> (188x364x30)	

## 964/13ASOS

Set of hexagonal screwdrivers with T handle in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

### Set includes:

- 6x T-handle hex wrench (article 193HX) dim. 3, 4, 5, 6, 8, 10



SKU	
621068	6
<b>193HX</b> (3, 4, 5, 6, 8, 10), <b>VL964/13ASOS</b> (188x364x30)	



## 964/14SOS

**Set of screwdriver with TX profile and T handle in SOS tool tray**



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

**Set includes:**

- 6x TX profile screwdriver with T-handle (article 193TX) dim. TX 15, TX 20, TX 25, TX 27, TX 30, TX 40



SKU		
621069	TX 15 - TX 40	6
193TX (TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), VL964/14SOS (188x364x30)		

## 964/15SOS

**Set of VDE BI tools in SOS tool tray**



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

**Set includes:**

- 1x combination pliers (article 406/1VDEBI) dim. 180
- 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
- 1x wire stripping pliers (article 478/1VDEBI) dim. 160
- 3x VDETB electrician's screwdriver with insulated blade (article 603VDEBTBI) dim. 0.4x2.5x75, 0.6x3.5x100, 1.0x5.5x125
- 2x VDETB crosstip (PH) screwdriver with insulated blade (article 613VDEBTBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140



SKU		
621070		9
406/1VDEBI (180), 461/1VDEBI (160), 478/1VDEBI (160), 603VDEBTBI (0.4 x 2.5x75, 0.6 x 3.5x100, 1.0 x 5.5x125), 613VDEBTBI (PH1x80, PH2x100), 630VDE (0.5 x 3.0x140), VL964/15SOS (188x364x30)		

## 964/16SOS

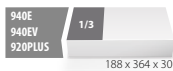
**Set of screwdriver socket wrenches TX profile in SOS tool tray**



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

**Set includes:**

- 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 9x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14, E16, E18, E20, E22, E24, E24



SKU		
621071		18
192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 191/1 (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), VL964/16SOS (188x364x30)		

## 964/17SOS

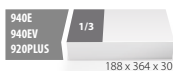
**Set of swivel end socket wrenches in SOS tool tray**



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

**Set includes:**

- 7x double swivel end socket wrench (article 202/1) dim. 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22



SKU		
621072	8 - 22	7
202/1 (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), VL964/17SOS (188x364x30)		

## 964/18ASOS

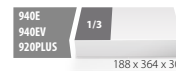
**Set of offset socket wrenches in SOS tool tray**



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

**Set includes:**

- 10x double ended offset socket wrench (article 176) dim. 8, 10, 11, 12, 13, 14, 16, 17, 18, 19



SKU		
621073	8 - 19	10
176 (8, 10, 11, 12, 13, 14, 16, 17, 18, 19), VL964/18ASOS (188x364x30)		

## 964/18BSOS

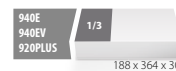
**Set of offset socket wrenches in SOS tool tray**



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

**Set includes:**

- 10x double ended offset socket wrench (article 177) dim. 8, 10, 11, 12, 13, 14, 16, 17, 18, 19



SKU		
621074	8 - 19	10
177 (8, 10, 11, 12, 13, 14, 16, 17, 18, 19), VL964/18BSOS (188x364x30)		

## 964/19SOS

### Set of sockets 1/2" in SOS tool tray



- Tool tray dimension: 374 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 5x hex socket 1/2" (article 192/2HX) dim. 5, 6, 8, 10, 12
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	
621075	29
190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2"x250, 1/2"x125), 190.6/2 (1/2"), 192/2HX (5, 6, 8, 10, 12), VL964/19SOS (374x364x30)	

## 964/19S12SOS

### Set of sockets 1/2" in SOS tool tray



- Tool tray dimension: 374 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 18x socket 1/2", 12 point (article 190/1 12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 5x hex socket 1/2" (article 192/2HX) dim. 5, 6, 8, 10, 12
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	
621186	29
190/1 12P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 192/2HX (5, 6, 8, 10, 12), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x125, 1/2"x250), 190.6/2 (1/2"), VL964/19S12SOS (374x364x30)	

## 964/22SOS

### Tool set in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 9x hex socket 1/2" (article 192/2HX) dim. 5, 6, 7, 8, 9, 10, 12, 14, 17
- 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
- 7x punch; pin punch (article 641/6 dim. 2, 3, 4, 5, 6, 8), centre punch (article 642/6 dim. 4)
- 2x chisel dim. 150; flat (artikel 660/6), cross (artikel 670/6)
- 9x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip



SKU	
621077	60
190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 192/2HX (5, 6, 7, 8, 9, 10, 12, 14, 17), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x250, 1/2"x125), 190.6/2 (1/2"), 192/2HX (5, 6, 7, 8, 9, 10, 12, 14, 17), 192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 641/6 (2, 3, 4, 5, 6, 8), 642/6 (4), 660/6 (150), 670/6 (150), 220/3PH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), VL964/22SOS (564x364x30)	

## 964/24SOS

### Set of universal knife, saw and measuring tape in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 1x measuring tape (article 710P) dim. 5m
- 1x utility knife (article 556B) dim. 160x18
- 1x saw (article 753P) dim. 150



SKU	
621079	3
710P (5m), 556B (160x18), 753P (150), VL964/24SOS (188x364x30)	

## 964/25SOS

### Set of sockets 3/8" in SOS tool tray



- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- 1x reversible ratchet 3/8"
- accessories 3/8"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint, 1x adaptor (3/8 - 1/2")



SKU	
621080	6 - 22
238/1 6P (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 238.1/1ABI (3/8"), 238.3/1 (3/8"), 238.4/1 (3/8"x250, 3/8"x125), 238.6/1 (3/8"), 238.7/1 (3/8" - 1/2"), VL964/25SOS (188x364x30)	



## 964/26 1/2SSOS

### Set of half smooth files in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › file with handle, half smooth, dim. 200 mm; 1x flat, 1x half-round, 1x three-square, 1x square, 1x round

## 964/26BSOS

### Set of bastard files in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › file with handle, bastard, dim. 200 mm; 1x flat, 1x half-round, 1x three-square, 1x square, 1x round

## 964/26SSOS

### Set of smooth files in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › file with handle, smooth, dim. 200 mm; 1x flat, 1x half-round, 1x three-square, 1x square, 1x round

SKU	
621082	5
↳ 760H1/2S (200), ↳ 761H1/2S (200), ↳ 763H1/2S (200), ↳ 764H1/2S (200), ↳ 765H1/2S (200), VL964/26 1/2SSOS (188x364x30)	

SKU	
621081	5
↳ 760HB (200), ↳ 761HB (200), ↳ 763HB (200), ↳ 764HB (200), ↳ 765HB (200), VL964/26BSOS (188x364x30)	

SKU		
621083	188 - 364 x 30	5
↳ 760HS (200), ↳ 761HS (200), ↳ 763HS (200), ↳ 764HS (200), ↳ 765HS (200), VL964/26SSOS (188x364x30)		

## 964/27SOS

### Set of ratchet combination wrenches in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 10x ratchet combination wrench (article 160/2) dim. 8, 9, 10, 12, 13, 14, 16, 17, 18, 19

## 964/27ASOS

### Set of ratchet combination wrenches in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 6x ratchet combination wrench (article 160/2) dim. 8, 10, 13, 15, 17, 19
- › 1x measuring tape (article 710R) dim. 5m

SKU		
621084	8 - 19	10
160/2 (8, 9, 10, 12, 13, 14, 16, 17, 18, 19), VL964/27SOS (188x364x30)		

SKU		
625732	8 - 19	7
160/2 (8, 10, 13, 15, 17, 19), 710/R (5m), VL964/27ASOS (188x364x30)		

## 964/28SOS

### Set of wrenches in SOS tool tray



- › Tool tray dimension: 564 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32
- › 18x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27
- › 12x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32
- › 9x ball-end hex wrench (article 220/3S) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip
- › 9x wrench with TX profile and hole (article 220/7TX) dim. TR 8, TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40 on plastic clip

SKU		
621387		52
↳ 110/1 (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32), ↳ 120/1 (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), ↳ 180/1 (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32), 220/3SPH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 220/7TXPH (TR 8-TR 40x9), VL964/28SOS (564x364x30)		



## 964/29ASOS

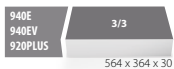
### Set of wrenches in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 6x tubular box wrench (article 215/2) dim. 6x7, 8x10, 13x17, 19x22, 24x27, 30x32
- Rod (article 215.1/2) 1x dim. 230 (for tubular box wrench 6-17mm) and 1x dim. 330 (for tubular box wrench 18-32mm)
- 6x double swivel end socket wrench (article 202/1) dim. 8x9, 10x11, 12x13, 14x15, 16x17, 18x19
- 10x offset open ring wrench (article 183/2) dim. 8x10, 10x11, 11x13, 12x14, 16x18, 17x19, 19x22, 22x24, 24x27, 30x32



SKU	
623932	28
215/2 (6x7, 8x10, 13x17, 19x22, 24x27, 30x32), 215.1/2 (6-17, 18-32), 182/2BTX (E6x E8, E10x E12, E14x E18, E20x E24), 183/2 (8x10, 10x11, 11x13, 12x14, 16x18, 17x19, 19x22, 22x24, 24x27, 30x32), 202/1 (8x9, 10x11, 12x13, 14x15, 16x17, 18x19), <b>VL964/29ASOS</b> (564x364x30)	

## 964/30SOS

### Set of socket wrenches with accessories in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 12x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1.0x5.5, 1.2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
- 1x spinner handle 1/4"
- 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- 1x reversible ratchet 3/8"
- accessories 3/8"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint, 1x adaptor (3/8" - 1/2")
- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	
621389	96
188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), 189/2 (E4, E5, E6, E7, E8, E10, E11), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), 187/2SL (0.8x4, 1.0x5.5, 1.2x7), 187/2PH (PH 1, PH 2, PH 3), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x55, 1/4"x150), 188.6/2 (1/4"), 188.7/2 (1/4" - 3/8"), 188.8 (1/4"), 238/1 6P (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 238.1/1FBI (3/8"), 238.2/1BI (3/8"), 238.3/1 (3/8"), 238.4/2 (3/8"x45, 3/8"x75), 238.4/1 (3/8"x125, 3/8"x250), 238.6/1 (3/8"), 238.7/1 (3/8" - 1/2"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x250, 1/2"x125), 190.6/2 (1/2"), <b>VL964/30SOS</b> (564x364x30)	

## 964/31SOS

### Set of hand tools in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 1x torque wrench (article 263) dim. 1/2"/40-200 Nm
- 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 9x long screwdriver socket 1/2", with TX profile (article 192/2TXL) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 9x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14, E16, E18, E20, E22, E24
- 6x screwdriver socket 1/2", with ZX profile (article 192/2ZX) dim. M5, M6, M8, M10, M12, M14
- 5x long screwdriver socket 1/2", with ZX profile (article 192/2ZXL) dim. M6, M8, M10, M12, M14
- 8x hex socket 1/2" (article 192/2HX) dim. 5, 6, 7, 8, 9, 10, 12, 14
- 6x hex socket 1/2", long type (article 192/2HXL) dim. 5x100, 6x100, 7x100, 8x100, 10x100, 12x100
- 3x spark plug socket 3/8" (article 186.4/2) dim. 21, 19, 16
- 6x pin punch (article 641/6) dim. 2, 3, 4, 5, 6, 8



SKU	
621390	79
192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 192/2TXL (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 191/1 (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), 192/2ZX (M 5, M 6, M 8, M 10, M 12, M 14), 192/2ZXL (M 6, M 8, M 10, M 12, M 14), 192/2HX (5, 6, 7, 8, 9, 10, 12, 14), 192/2HXL (5x100, 6x100, 7x100, 8x100, 10x100, 12x100), 190/1 12P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), 186.4/2 (16, 19, 21), 641/6 (2, 3, 4, 5, 6, 8), 263 (1/2"/40-200 Nm), <b>VL964/31SOS</b> (564x364x30)	

## 964/32SOS

### Set of BI pliers and hammer in SOS tool tray



- › Tool tray dimension: 564 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 1x combination pliers (article 406/1BI) dim. 180
- › 1x grip pliers (article 430/3) dim. 250
- › 1x waterpump pliers (article 447/1HPP) dim. 240
- › 1x Heavy duty diagonal cutting nippers (article 466/1BI) dim. 180
- › 1x multifunctional electrician's pliers (article 514/1BI) dim. 160
- › 1x long nose pliers with side cutter and pipe grip, bent (article 512/1BI) dim. 200
- › 2x external lock rings pliers, straight and bent, dim. 180
- › 2x internal lock rings pliers, straight and bent, dim. 180
- › 1x centre punch (article 642/6) in dim. 5
- › 1x flat chisel (article 660/6) in dim. 200
- › 1x locksmiths' hammer (article 812) dim. 400
- › 1x bumping hammer (article 819A) v dim. 45

## 964/32ASOS

### Set of BI pliers and hammer in SOS tool tray



- › Tool tray dimension: 564 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 1x combination pliers (article 406/1BI) dim. 180
- › 1x grip pliers (article 430/3) dim. 250
- › 1x waterpump pliers (article 447/1HPP) dim. 240
- › 1x Heavy duty diagonal cutting nippers (article 466/1BI) dim. 180
- › 1x multifunctional electrician's pliers (article 514/1BI) dim. 160
- › 1x long nose pliers with side cutter and pipe grip, bent (article 512/1BI) dim. 200
- › 2x external lock rings pliers, straight and bent, dim. 180
- › 2x internal lock rings pliers, straight and bent, dim. 180
- › 1x centre punch (article 642/6) in dim. 5
- › 1x flat chisel (article 660/6) in dim. 200
- › 1x locksmiths' hammer (article 812) dim. 400
- › 1x plastic hammer (article 820) in dim. 40

## 964/33SOS

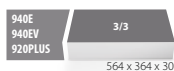
### Set of screwdrivers in SOS tool tray



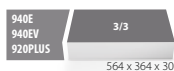
- › Tool tray dimension: 564 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 5x flat screwdriver TBI (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175
- › 4x crosstip (PH) screwdriver TBI (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
- › 2x stubby flat screwdriver TBI (article 627TBI) dim. 1.0x5.5x25, 1.2x6.5x25
- › 2x stubby crosstip (PH) screwdriver TBI (article 626TBI) dim. PH 1x25, PH 2x25
- › 9x TBI screwdriver with TX profile (article 621TBI) dim. TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40
- › 8x socket wrench with TBI handle (article 629TBI) dim. 6, 7, 8, 9, 10, 11, 12, 13



SKU	
621391	14
406/1BI (180), 430/3 (250), 442/1HYPO (240), 466/1BI (180), 508/1BI (200), 512/1BI (200), 532PLUS/1DP (180x19-60), 534PLUS/1DP (180x19-60), 536PLUS/1DP (180x19-60), 538PLUS/1DP (180x19-60), 642/6 (5), 660/6 (200), 812 (400), 819A (45), VL964/32SOS (564x364x30)	



SKU	
623936	14
406/1BI (180), 430/3 (250), 447/1HYPO (240), 466/1BI (180), 514/1BI (160), 512/1BI (200), 532PLUS/1DP (180x19-60), 534PLUS/1DP (180x19-60), 536PLUS/1DP (180x19-60), 538PLUS/1DP (180x19-60), 642/6 (5), 660/6 (200), 812 (400), 820A (40), VL964/32ASOS (564x364x30)	



SKU	
621392	30
605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175), 615TBI (PH 0x60, PH 1x80, PH 2x100, PH 3x150), 626TBI (PH 1x25, PH 2x25), 627TBI (1.0x5.5x25, 1.2x6.5x25), 621TBI (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 629TBI (6, 7, 8, 9, 10, 11, 12, 13), VL964/33SOS (564x364x30)	



## 964/34SOS

### Set of screwdrivers with T handle in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 7x T-handle ball-end hex wrench (article 193HXS) dim. 2.5, 3, 4, 5, 6, 8, 10
- 8x TX profile screwdriver with T-handle (article 193TX) dim. TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45
- 1x utility knife (article 556B) dim. 160x18
- file with handle, half smooth, dim. 200 mm; 1x flat, 1x three-square



SKU	
<b>621393</b>	18
193HXS (2.5, 3, 4, 5, 6, 8, 10), 193TX (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), 760H1/2S (200), 764H1/2S (200), 556B (160x18), VL964/34SOS (564x364x30)	

## 964/35SOS

### Set of wrenches in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32
- 18x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27
- 8x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22
- 6x offset open ring wrench (article 183/2) dim. 8x10, 10x11, 11x13, 12x14, 17x19, 19x22
- 9x ball-end hex wrench (article 220/3S) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip
- 9x wrench with TX profile and hole (article 220/7TX) dim. TR 8, TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40 on plastic clip



SKU	
<b>621394</b>	54
110/1 (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32), 120/1 (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), 180/1 (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22), 183/2 (8x10, 10x11, 11x13, 12x14, 17x19, 19x22), 220/3SPH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 220/7TPHX (TR 8 - TR 40x9), VL964/35SOS (564x364x30)	

## 964/36SOS

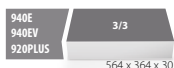
### Set of socket wrenches with accessories in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

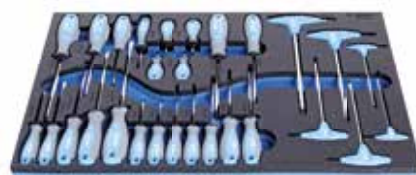
- 12x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1.0x5.5, 1.2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4": 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
- 1x spinner handle 1/4"
- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 4x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX30, TX40, TX45, TX50
- 4x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14
- 6x hex socket 1/2" (article 192/2HX) dim. 6, 7, 8, 9, 10, 12
- 4x long screwdriver socket 1/2", with ZX profile (article 192/2ZXL) dim. M6, M8, M10, M12
- 1x reversible ratchet 1/2"
- accessories 1/2": 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU	
<b>621395</b>	88
188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), 189/2 (E4, E5, E6, E7, E8, E10, E11), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 187/2SL (0.8x4, 1.0x5.5, 1.2x7), 187/2PH (PH 1, PH 2, PH 3), 188.1/1AB1 (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x55, 1/4"x150), 188.6/2 (1/4"), 188.7/2 (1/4"-3/8"), 188.8 (1/4"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 191/1 (E10, E11, E12, E14), 192/2HX (6, 7, 8, 9, 10, 12), 192/2TX (TX 30, TX 40, TX 45, TX 50), 192/2ZXL (M6, M8, M10, M12), 190.1/1AB1 (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x250, 1/2"x125), 190.6/2 (1/2") VL964/36SOS (564x364x30)	

## 964/37SOS

### Set of screwdrivers in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 5x flat screwdriver TBI (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175
- 4x crosstip (PH) screwdriver TBI (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
- 2x stubby flat screwdriver TBI (article 627TBI) dim. 1.0x5.5x25, 1.2x6.5x25
- 2x stubby crosstip (PH) screwdriver TBI (article 626TBI) dim. PH 1x25, PH 2x25
- 9x TBI screwdriver with TX profile (article 621TBI) dim. TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40
- 6x T-handle ball-end hex wrench (article 193HXS) dim. 3, 4, 5, 6, 8, 10



SKU	
<b>621396</b>	28
605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.6 x 8.0x175), 615TBI (PH 0x60, PH 1x80, PH 2x100, PH 3x150), 626TBI (PH 1x25, PH 2x25), 627TBI (1.0 x 5.5x25, 1.2 x 6.5x25), 621TBI (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 193HXS (3, 4, 5, 6, 8, 10), VL964/37SOS (564x364x30)	





## 964/46SOS

### Set of wrenches and screwdrivers in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 17x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
- 9x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip
- 6x flat screwdriver TBI (article 605TBI) dim. 0.4x2.5x75, 0.5x3.0x80, 0.6x3.5x100, 0.8x4.0x100, 1.2x6.5x150, 1.2x8.0x175
- 2x crosstip (PH) screwdriver TBI (article 615TBI) dim. PH 1x80, PH 2x100
- 1x stubby flat screwdriver TBI (article 627TBI) dim. 1.0x5.5x25
- 1x stubby crosstip (PH) screwdriver TBI (article 626TBI) dim. PH 2x25

## 964/47SOS

### Set of socket wrenches in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 11x socket 1/4", 12 point (article 188/2 12P) dim. 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 18x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2), flat (article 187/2SL dim. 0.8x4, 1.0x5.5, 1.2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint
- 1x spinner handle 1/4"
- 20x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
- 4x pin punch (article 641/6) dim. 3, 4, 5, 6
- 1x centre punch (article 642/6) in dim. 5
- 2x flat chisel (article 660/6) in dim. 150, 200

## 964/48SOS

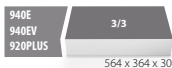
### Set of BI pliers and hammer in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x grip pliers (article 430/3) dim. 250
- 1x waterpump pliers (article 447/1HPP) dim. 240
- 1x Heavy duty diagonal cutting nippers (article 466/1BI) dim. 180
- 1x straight long nose pliers with side cutter and pipe grip (article 508/1BI) dim. 170
- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180
- 1x Electricians' scissors (article 582/3P) in dim. 145
- 1x bumping hammer (article 819A) v dim. 45



SKU	
623987	36
120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24), 220/3PH (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 605TBI (0.4 x 2.5x75, 0.5 x 3.0x80, 0.6 x 3.5x100, 0.8 x 4.0x100, 1.2 x 6.5x150, 1.2 x 8.0x175), 615TBI (PH 1x80, PH 2x100), 627TBI (1.0 x 5.5x25), 626TBI (PH 2x25), VL964/46SOS (564x364x30)	



SKU	
623988	67
188/2 6P (5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), 187/2HX (3, 4, 5, 6, 7), 187/2PH (PH 1, PH 2), 187/2SL (0.8 x 4, 1.0 x 5.5, 1.2 x 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 188.1/1ABI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x150, 1/4"x55), 188.6/2 (1/4"), 188.8 (1/4"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32), 190.1/1ABI (1/2"), 190.3/1 (1/2"), 190.4/15 (1/2"x125, 1/2"x250), 190.6/2 (1/2"), 641/6 (3, 4, 5, 6), 642/6 (5), 660/6 (150, 200) VL964/47SOS (564x364x30)	



SKU	
623989	11
405/1BI (180), 430/3 (250), 447/1HPP (240), 466/1BI (180), 508/1BI (170), 532PLUS/1DP (180x19-60), 534PLUS/1DP (180x19-60), 536PLUS/1DP (180x19-60), 538PLUS/1DP (180x19-60), 582/3P (145), 819A (45), VL964/48SOS (564x364x30)	



## 964/49SOS

### Set of tools in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 1x measuring tape (article 710P) dim. 3m
- 1x utility knife (article 556A) dim. 160x18
- 1x saw (article 753P) dim. 150
- file with handle, half smooth, dim. 200 mm; 1x flat, 1x half-round, 1x three-square, 1x square, 1x round
- 1x locksmiths' hammer (article 812) dim. 400
- 1x plastic hammer (article 820) dim. 32
- 1x tyre lever with handle (article 300/2C) v dim. 320
- 1x feeler gauges (article 701) v dim. 0.05 - 1x20
- 1x brush for cleaning disk brake shoes (article 2035)
- 1x flexible pick up tool with magnet (article 2087)

## 964/50SOS

### Set of socket wrenches in SOS tool tray



- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
- 5x socket 1/2", long type, 12 point (article 190/1L12P) dim. 10, 13, 17, 19, 22, 24
- 9x hex socket 1/2" (article 192/2HX) dim. 5, 6, 7, 8, 9, 10, 12, 14, 17
- 9x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip
- 6x pin punch (article 641/6) dim. 2, 3, 4, 5, 6, 8
- 1x centre punch (article 642/6) in dim. 4
- 2x chisel dim. 150; flat (artikel 660/6), cross (artikel 670/6)

## 964/51SOS

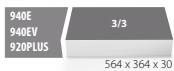
### Set of BI pliers and hammer in SOS tool tray



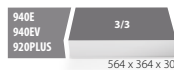
- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x grip pliers (article 430/3) dim. 250
- 1x double groove joint pliers (article 445/1BI) dim. 240
- 1x Heavy duty diagonal cutting nippers (article 466/1BI) dim. 180
- 1x straight long nose pliers with side cutter and pipe grip (article 508/1BI) dim. 200
- 1x long nose pliers with side cutter and pipe grip, bent (article 512/1BI) dim. 200
- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180
- 1x centre punch (article 642/6) in dim. 5
- 1x flat chisel (article 660/6) in dim. 200
- 1x locksmiths' hammer (article 812) dim. 400
- 1x plastic hammer (article 820) in dim. 40



SKU	
623990	13
300/2C (320), 556A (160x18), 701 (0.05 - 1x20), 710P (3m), 753P (150), 760H1/2S (200), 761H1/2S (200), 763H1/2S (200), 764H1/2S (200), 812 (400), 820A (40), 2035, 2087 (1kg), VL964/49SOS (564x364x30)	



SKU	
623991	57
190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x125, 1/2"x250), 190.6/2 (1/2"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190/1L12P (10, 13, 17, 19, 22, 24), 192/2HX (5, 6, 7, 8, 9, 10, 12, 14, 17), 220/3PH, 641/6 (2, 3, 4, 5, 6, 8), 642/6 (4), 660/6 (150), 670/6 (150), VL964/50SOS (564x364x30)	



SKU	
623992	14
406/1BI (180), 430/3 (250), 445/1BI (240), 466/1BI (180), 508/1BI (200), 512/1BI (200), 532PLUS/1DP (180x19 - 60), 534PLUS/1DP (180x19 - 60), 536PLUS/1DP (180x19 - 60), 538PLUS/1DP (180x19 - 60), 812 (400), 642/6 (5), 660/6 (200), 820 (40), VL964/51SOS (564x364x30)	





## 964/52SOS

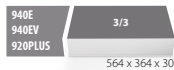
### Set of tools in SOS tool tray



- › Tool tray dimension: 564 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 2x toolsmiths' hammer (article 812) in dim. 800, 1000
- › 2x tyre lever (article 300/2) v dim. 400, 500
- › 1x hacksaw frame (article 750B) dim. 400
- › file with handle, half smooth, dim. 200 mm; 1x flat, 1x round
- › 1x utility knife (article 556A) dim. 160x18



SKU	
623993	8
↳ 812 (800, 1000), ↳ 300/2 (400, 500), ↳ 750B (400), ↳ 760H1/2S (200), ↳ 763H1/2S (200), ↳ 556A (160x18), VL964/52SOS (564x364x30)	

## 964/53SOS

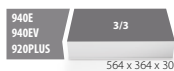
### Set of socket wrenches in SOS tool tray



- › Tool tray dimension: 564 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 10x socket 3/4", 6 point (article 197/1 6P) dim. 22, 24, 27, 30, 32, 36, 38, 41, 46, 50
- › 4x hex socket 3/4" (article 197/2AHX) dim. 14, 17, 19, 22
- › 1x reversible ratchet 3/4"
- › accessories 1/4"; 1x sliding T - handle, 2x extension bar (200, 400mm), 2x adaptor (3/4"-1/2", 1/2"-3/4")
- › 1x brush for cleaning disk brake shoes (article 2035)
- › 1x flexible pick up tool with magnet (article 2087)



SKU	
623995	22
↳ 197.1/1 (3/4"x500), ↳ 197.3/1 (3/4"), ↳ 197.4/1 (3/4"x200, 3/4"x400), ↳ 197/1 6P (22, 24, 27, 30, 32, 36, 38, 41, 46, 50), ↳ 197/2AHX (14, 17, 19, 22), ↳ 197.7/1 (3/4"-1/2"), ↳ 190.7/2 (1/2"x3/4"), ↳ 2035, ↳ 2087 (1kg), VL964/53SOS (564x364x30)	

## 964/55SOS

### Set of long sockets 1/2" in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 17x socket 1/2", long type, 12 point (article 190/1L12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32



SKU		
625332	10 - 32	17
↳ 190/1L12P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), VL964/55SOS (188x364x30)		

## 964/56SOS

### Set of long sockets 3/8" in SOS tool tray



- › Tool tray dimension: 188 x 364 x 30 mm
- › Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

#### Set includes:

- › 15x socket 3/8", long type, 6 point (article 238/1L6P) dim. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- › 1x sliding T-handle 3/8"



SKU		
625334	8 - 22	16
↳ 238.3/1 (3/8"), ↳ 238/1L6P (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), VL964/56SOS (188x364x30)		

## 964ECO2

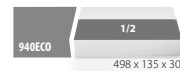
### Set of combinations wrenches, short type in SOS tool tray



- › Tool tray dimension: 498 x 135 x 30 mm
- › Compatible with drawers of Economic line

#### Set includes:

- › 12x short combination wrench (article 125/1) dim. 8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24



SKU		
621287	8 - 24	12
↳ 125/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), VL964ECO2 (498x135x30)		

## 964ECO2A

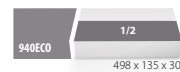
### Set of combinations wrenches, long type in SOS tool tray



- › Tool tray dimension: 498 x 135 x 30 mm
- › Compatible with drawers of Economic line

#### Set includes:

- › 12x long combination wrench (article 120/1) dim. 8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24



SKU		
621288	8 - 24	12
↳ 120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), VL964ECO2A (498x135x30)		





## 964ECO5

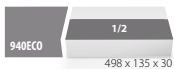
### Set of 1/4" socket wrenches with accessories in SOS tool tray



- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

#### Set includes:

- 11x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1.0x5.5, 1.2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
- 1x spinner handle 1/4"



SKU	
621290	45
□ 188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), □ 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), □ 187/2HX (3, 4, 5, 6, 7), □ 187/2PH (PH 1, PH 2, PH 3), □ 187/2SL (0.8x4, 1.0x5.5, 1.2x7), □ 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), □ 188.1/1ABI (1/4"), □ 188.2/2BI (1/4"), □ 188.3/2 (1/4"), □ 188.4/2 (1/4"x150, 1/4"x55), □ 188.6/2 (1/4"), □ 188.7/2 (1/4"-3/8"), □ 188.8 (1/4"), VL964ECO5 (498x135x30)	

## 964ECO6

### Set of BI pliers in SOS tool tray



- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

#### Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x diagonal cutting nippers (article 461/1BI) dim. 160
- 1x multifunctional electrician's pliers (article 514/1BI) dim. 160
- 1x double groove joint pliers (article 445/1BI) dim. 240



SKU	
621291	4
□ 406/1BI (180), □ 461/1BI (160), □ 514/1BI (160), □ 445/1BI (240), VL964ECO6 (498x135x30)	

## 964ECO9

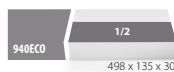
### Set of TBI screwdrivers in SOS tool tray



- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

#### Set includes:

- 4x TBI flat screwdriver (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 3x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100
- 1x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 2x100



SKU	
621292	8
□ 605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), □ 615TBI (PH 0x60, PH 1x80, PH 2x100), □ 625TBI (PZ 2x100), VL964ECO9 (498x135x30)	

## 964ECO19

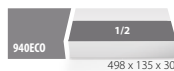
### Set of sockets 1/2" in SOS tool tray



- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

#### Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint



SKU		
621294	10 - 32	23
□ 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), □ 190.1/1ABI (1/2"), □ 190.3/1 (1/2"), □ 190.4/1 (1/2"x250, 1/2"x125), □ 190.6/2 (1/2"), VL964ECO19 (498x135x30)		



## 964ECO26 1/2S

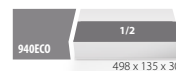
### Set of files in SOS tool tray



- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

#### Set includes:

- file with handle, half smooth, dim. 200 mm; 1x flat, 1x square, 1x round
- 1x half-round rasp with handle, half smooth (article 768H1/2S) dim. 200



SKU	
621295	4
□ 760H1/2S (200), □ 763H1/2S (200), □ 765H1/2S (200), □ 768H1/2S (200), VL964ECO26 1/2S (498x135x30)	



1000A

Tool set



➤ Designed for demanding maintenance in car repair workshops, agro services and maintenance in the industry.

SKU	
608140	167

➤ 120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), ➤ 188.1/1ABI (1/4"), ➤ 188.2/2BI (1/4"), ➤ 188.2/6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), ➤ 188.3/2 (1/4"), ➤ 188.4/2 (1/4"x55, 1/4"x150), ➤ 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), ➤ 190.1/1ABI (1/2"), ➤ 190.2/1BI (1/2"x380), ➤ 190.3/1 (1/2"), ➤ 190.4/1 (1/2"x125, 1/2"x250), ➤ 190.6/2 (1/2"), ➤ 192/2HX (6, 8, 10), ➤ 192/2TX (TX 25, TX 27, TX 30, TX 40), ➤ 193HX (2.5, 4, 5, 8), ➤ 200/2 (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), ➤ 205/2 (60 - 140), ➤ 220/3 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), ➤ 220/3S (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), ➤ 186.4/2 (21), ➤ 238.1/1FBI (3/8"), ➤ 238.7/1 (3/8" - 1/2"), ➤ 238.4/2 (3/8"x45, 3/8"x75), ➤ 250/1 (250), ➤ 406/1BI (180), ➤ 430/3 (250), ➤ 447/1HPP (240), ➤ 461/1BI (160), ➤ 481/6 (1.1/2"), ➤ 512/1BI (170), ➤ 514/1BI (160), ➤ 532PLUS/1DP (180x19 - 60), ➤ 534PLUS/1DP (180x19 - 60), ➤ 536PLUS/1DP (180x19 - 60), ➤ 538PLUS/1DP (180x19 - 60), ➤ 563R/7PR (280), ➤ 605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), ➤ 615TBI (PH 0x60, PH 1x80, PH 2x100, PH 3x150), ➤ 621TBI (TX 27, TX 30, TX 40), ➤ 625TBI (PZ 2x100), ➤ 626TBI (PH 2x25), ➤ 627TBI (1.2 x 6.5x25), ➤ 631 (6 - 12), ➤ 640/6 (2, 4, 6, 8), ➤ 641/6 (2, 4, 6, 8, 10), ➤ 642/6 (5), ➤ 660/6 (150, 250), ➤ 670/6 (150), ➤ 682/2 (2x190x230), ➤ 701 (0.05 - 1x13), ➤ 750B (400), ➤ 812 (300, 500, 1000), ➤ 820 (22), ➤ 6480C8 (1.2 x 6.5x41, 1.6 x 8.0x41, 2.0 x 12.0x41), ➤ 6483C8 (PH 2, PH 3), ➤ 6484C8 (PH 4), ➤ 6489C8 (5, 6), ➤ 6492C8 (TX 20, TX 25, TX 30, TX 40), ➤ 6762.1 (1/2"x144), ➤ 6762.2 (1/2" - 5/16")



1000AC

Tool set



➤ Tool set is intended as a base for any electrician.

SKU	
604577	21
➤ 385H (4 - 28), ➤ 406/1VDEBI (180), ➤ 461/1VDEBI (160), ➤ 472/1VDEBI (160), ➤ 478/1VDEBI (160), ➤ 508/1VDEBI (200), ➤ 603VDEBTBI (0.4 x 2.5x75, 0.6 x 3.5x100, 1.0 x 5.5x125, 1.2 x 6.5x150), ➤ 605CR (1.0 x 5.5x125, 1.2 x 6.5x150), ➤ 613VDEBTBI (PH1x80, PH2x100), ➤ 630VDE (0.5 x 3.0x140), ➤ 660/6 (200), ➤ 665/6A (250x11), ➤ 710P (3m), ➤ 753W (150), ➤ 761HB (200), ➤ 812 (300)	

1000AD

Tool set



➤ Tool set is intended as a base for any electrician.

SKU	
611884	62
➤ 188.2/6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), ➤ 188.1/1ABI (1/4"), ➤ 188.2/2BI (1/4"), ➤ 188.3/2 (1/4"), ➤ 188.4/2 (1/4"x55, 1/4"x150), ➤ 193HX (2.5, 4), ➤ 193TX (TX 6, TX 9, TX 20, TX 25), ➤ 220/3 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), ➤ 220/3SL (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), ➤ 250/1 (200), ➤ 385H (4 - 28), ➤ 406/1VDEBI (180), ➤ 461/1VDEBI (160), ➤ 466/1VDEBI (180), ➤ 478/1VDEBI (160), ➤ 508/1VDEBI (200), ➤ 512/1VDEBI (200), ➤ 580/1VDEBI (170), ➤ 603VDEBTBI (0.4 x 2.5x75, 0.5 x 3.0x100, 0.6 x 3.5x100, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), ➤ 613VDEBTBI (PH1x80, PH2x100), ➤ 630VDE (0.5 x 3.0x140), ➤ 665/6A (250x11), ➤ 710P (5m), ➤ 750B (400), ➤ 812 (300)	



## 1000B

### Tool set



► Tool set offers all the tools for complete maintenance in car repair workshops, agro services and maintenance in the industry.

SKU	
608141	184
<p> <b>110/1</b> (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), <b>125/1</b> (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), <b>180/1</b> (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), <b>188/2 6P</b> (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), <b>188.1/1ABI</b> (1/4"), <b>188.2/2BI</b> (1/4"), <b>188.3/2</b> (1/4"), <b>188.4/2</b> (1/4"x55, 1/4"x150), <b>190/1 6P</b> (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), <b>190.1/1ABI</b> (1/2"), <b>190.2/1BI</b> (1/2"x380), <b>190.3/1</b> (1/2"), <b>190.4/1</b> (1/2"x125, 1/2"x250), <b>190.6/2</b> (1/2"), <b>192/2HX</b> (6, 8), <b>192/2TX</b> (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), <b>200/2</b> (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), <b>206/2</b> (60 - 140), <b>210/2</b> (17, 19), <b>215/2</b> (10 x 11, 12 x 13), <b>220/3</b> (3, 4, 5, 6, 8, 10, 12, 14, 17, 19), <b>186.4/2</b> (21), <b>238.1/1FBI</b> (3/8"), <b>238.4/2</b> (3/8"x45, 3/8"x75), <b>250/1</b> (250), <b>300/2</b> (400 (2x)), <b>406/1BI</b> (180), <b>430/3</b> (175, 250), <b>431/2</b> (325), <b>445/1BI</b> (180, 240), <b>455/1BI</b> (160), <b>466/1BI</b> (180), <b>481/6</b> (1.1/2"), <b>514/1BI</b> (160), <b>532PLUS/1DP</b> (180x19 - 60), <b>534PLUS/1DP</b> (180x19 - 60), <b>536PLUS/1DP</b> (180x19 - 60), <b>538PLUS/1DP</b> (180x19 - 60), <b>563R/7PR</b> (280), <b>605TBI</b> (0.4 x 2.5x75, 0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), <b>615TBI</b> (PH 1x80, PH 2x100, PH 3x150, PH 4x200), <b>626TBI</b> (PH 2x25), <b>627TBI</b> (0.8 x 4.0x25), <b>629TBI</b> (6, 8, 10, 12, 13), <b>630VDE</b> (0.6 x 3.5x180), <b>631</b> (6 - 12), <b>631B</b> (6 - 24), <b>640/6</b> (2, 3, 5, 6, 8, 10), <b>642/6</b> (5), <b>660/6</b> (200, 250), <b>670/6</b> (150), <b>680/2</b> (2x230x190), <b>681/2</b> (300), <b>682/2</b> (2x190x230), <b>701</b> (0.05 - 1x13), <b>750B</b> (400), <b>812</b> (300, 500, 1000), <b>820</b> (22), <b>6480C8</b> (1.2 x 6.5x41, 1.6 x 8.0x41, 2.0 x 12.0x41), <b>6483C8</b> (PH 2, PH 3), <b>6484C8</b> (PH 4), <b>6489C8</b> (5, 6), <b>6492C8</b> (TX 25, TX 30, TX 40, TX 20), <b>6762.1</b> (1/2"x144), <b>6762.2</b> (1/2" - 5/16") </p>	

## 1000D

### Tool set



► Designed for basic maintenance in car repair workshops, agro services and maintenance in the industry.

SKU	
608143	145
<p> <b>110/1</b> (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), <b>125/1</b> (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), <b>180/1</b> (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), <b>188/2 6P</b> (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), <b>188.1/1ABI</b> (1/4"), <b>188.2/2BI</b> (1/4"), <b>188.3/2</b> (1/4"), <b>188.4/2</b> (1/4"x55, 1/4"x150), <b>190/1 6P</b> (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), <b>190.1/1ABI</b> (1/2"), <b>190.2/1BI</b> (1/2"x380), <b>190.3/1</b> (1/2"), <b>190.4/1</b> (1/2"x125, 1/2"x250), <b>190.6/2</b> (1/2"), <b>200/2</b> (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), <b>205/2</b> (60 - 140), <b>212/2</b> (24), <b>220/3</b> (3, 4, 5, 6, 8, 10, 12, 14, 17, 19), <b>186.4/2</b> (21), <b>238.1/1FBI</b> (3/8"), <b>238.4/2</b> (3/8"x45, 3/8"x75), <b>300/2</b> (400 (2x)), <b>405/1BI</b> (180), <b>425/4A</b> (1.5 - 6x240), <b>430/3</b> (175), <b>431/2</b> (325), <b>447/1HPP</b> (240), <b>455/1BI</b> (160), <b>514/1BI</b> (160), <b>532PLUS/1DP</b> (180x19 - 60), <b>534PLUS/1DP</b> (180x19 - 60), <b>536PLUS/1DP</b> (180x19 - 60), <b>538PLUS/1DP</b> (180x19 - 60), <b>563R/7PR</b> (280), <b>600TBI</b> (1.0 x 5.5x100, 1.2 x 6.5x125, 1.2 x 8.0x150), <b>605TBI</b> (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), <b>615TBI</b> (PH 1x80, PH 2x100, PH 3x150, PH 4x200), <b>626TBI</b> (PH 2x25), <b>627TBI</b> (0.8 x 4.0x25), <b>631</b> (6 - 12), <b>640/6</b> (2, 3, 4, 5, 6), <b>642/6</b> (4), <b>660/6</b> (200, 250), <b>670/6</b> (150), <b>701</b> (0.05 - 1x13), <b>750B</b> (400), <b>812</b> (300, 500, 1000), <b>820</b> (22) </p>	

## 1000S

### Tool set



► Designed for basic maintenance in different areas, from car repair workshops, agro services and maintenance in the industry. It is recommended also as a tool set for vehicles.

SKU	
609329	51
<p> <b>125/1</b> (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24), <b>220/3S</b> (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), <b>250/1</b> (200), <b>190/1 6P</b> (13, 17, 19, 22, 24), <b>190.1/1ABI</b> (1/2"), <b>190.4/1</b> (1/2"x125), <b>190.6/2</b> (1/2"), <b>406/1BI</b> (180), <b>447/1HPP</b> (240), <b>461/1BI</b> (160), <b>512/1BI</b> (200), <b>514/1BI</b> (160), <b>605TBI</b> (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), <b>615TBI</b> (PH 1x80, PH 2x100), <b>625TBI</b> (PZ 2x100), <b>626TBI</b> (PH 2x25), <b>627TBI</b> (PH 2x25), <b>710P</b> (2m), <b>812</b> (500) </p>	

## 1000T

### Tool set



► Designed for basic maintenance in electro installations.

SKU	
609330	53
<p> <b>110/1</b> (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), <b>220/3S</b> (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), <b>250/1</b> (200), <b>406/1VDEBI</b> (160), <b>420/1VDEBI</b> (180), <b>425/4AB</b> (1.5 - 6x240), <b>447/1VDEBI</b> (240), <b>466/1VDEBI</b> (180), <b>478/1VDEBI</b> (160), <b>508/1VDEBI</b> (170), <b>512/1VDEBI</b> (170), <b>514/1BI</b> (160), <b>580/1VDEBI</b> (230), <b>603VDEBI</b> (0.4 x 2.5x75, 0.5 x 3.0x100, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175), <b>613VDEBI</b> (PH0x60, PH1x80, PH2x100), <b>630VDE</b> (0.5 x 3.0x140, 0.6 x 3.5x180), <b>641/6</b> (5), <b>660/6</b> (150), <b>665/6A</b> (250x12), <b>710P</b> (3), <b>750B</b> (400), <b>760HB</b> (200), <b>761HB</b> (200), <b>812</b> (300), <b>817</b> (1000), <b>820</b> (40) </p>	



## 971/1BI

Tool set in tool case



SKU	
608540	51
1000S, 969S (500x420x200)	

## 971/2VDE

Tool set VDE in tool case



SKU	
608541	53
1000T, 969S (500x420x200)	

## 971/3VDE

Tool set in tool case



SKU	
612548	62
1000AD, 969S (500x420x200)	



## 905CR

Tool set CR in bag



SKU	
620106	13
406/4G (180), 461/4G (160), 478/4G (160), 472/4G (160), 556A (160x18), 753P (150), 710P (3m), 602TBI (0.4x2.5x60, 0.8x4.0x100, 1.0x5.5x125), 615CR (PH 1x80, PH 2x100), 630VDE (0.5x3.0x140)	

## 902/2

Tool set in artificial leather bag



SKU	
601968	14
110/1 (6x7,8x9,10x11,12x13,14x15,16x17,18x19), 185/2 (21x115), 406/4G (160), 631 (6-12), 605NI (0.8x4.0x100, 1.0x5.5x125), 615NI (PH 2x100), 812 (200)	

## 905BI

Tool set BI in bag



SKU	
620105	13
406/1BI (160), 461/1BI (160), 478/1BI (160), 472/1BI (160), 556A (160x18), 753P (150), 710P (3m), 602TBI (0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125), 615TBI (PH 1x80, PH 2x100), 630VDE (0.5x3.0x140)	

## 905VDEBI

Tool set VDE BI in bag



### Set includes:

- 1x combination pliers (article 406/1VDEBI) dim. 180
- 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
- 1x wire stripping pliers (article 478/1VDEBI) dim. 160
- 1x long flat nose pliers (article 472/1VDEBI) dim. 160
- 3x electrician's screwdriver with insulated blade VDEBTBI (article 603VDEBTBI) dim. 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125
- 2x VDEBTBI crosstip (PH) screwdriver with insulated blade (article 613VDEBTBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140
- 1x measuring tape (article 710P) dim. 3m
- 1x insulated saw (article 753VDP) dim. 150
- 1x insulated knife (article 385VDEDP) dim. 180



SKU	
617571	13
406/1VDEBI (180), 461/1VDEBI (160), 478/1VDEBI (160), 472/1VDEBI (160), 753VDP (150), 385VDEDP (180), 603VDEBTBI (0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125), 613VDEBTBI (PH 1x80, PH 2x100), 710P (3m), 630VDE (0.5x3.0x140)	

## 906VDEBI

### Tool set VDE BI in bag.



#### Set includes:

- 1x combination pliers (article 406/1VDEBI) dim. 180
- 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
- 2x electrician's screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.4x2.5x75, 0.8x4.0x100
- 1x crosstip (PH) screwdriver with insulated blade VDETBI (article 613VDETBI) dim. PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140



SKU	
617573	6
461/1VDEBI (160), 406/1VDEBI (180), 603VDETBI (0.4 x 2.5x75, 0.8 x 4.0x100), 613VDETBI (PH2x100), 630VDE (0.5 x 3.0x140)	

## 911N6P21

### Socket set 1/2" in SOS tool tray



#### Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x extension bar (125 mm), 1x universal joint



SKU	
619470	10 - 32
190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.4/1 (1/2"x125), 190.6/2 (1/2"), VL911N6SOS (95x447x30)	

## VL911N6SOS

### SOS tool tray for sockets for 911



- material: low density polyethylene foam

SKU	B	L	H	
622693	95	447	30	26

## 911N12P21

### Socket set 1/2" in SOS tool tray



#### Set includes:

- 18x socket 1/2", 12 point (article 190/1 12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"



SKU		
619471	10 - 32	21
190/1 12P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.4/1 (1/2"x125), 190.6/2 (1/2"), VL911N12SOS (95x447x30)		

## VL911N12SOS

### SOS tool tray for sockets 12p for 911



- material: low density polyethylene foam

SKU	B	L	H	
622698	95	447	30	25

## 930

### Tool set with tool box 912/5



SKU	
601996	80
110/1CB, 180/1CB, 212/2(19), 220/3PB, 186.4/2 (21), 238.1/1FBI (3/8"), 238.4/2 (3/8"x45, 3/8"x75), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x125, 1/2"x250), 190.6/2 (1/2"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 300/2 (400/2X), 405/1BI (180), 430/3 (175), 447/1HPP (240), 461/1BI (160), 506/1BI (140), 514/1BI (160), 563R/7PR (280), 605TBI (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175), 615TBI (PH 2x100, PH 3x150), 631 (6-12), 812 (500), 912/5 (560x210x225)	

## 931

### Tool set with tool box 912/5



SKU	
601995	111
110/1CB, 125/1CB, 180/1CB, 200/2CB, 220/3PB, 186.4/2 (21), 238.1/1FBI (3/8"), 238.4/2 (3/8"x45, 3/8"x75), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x125, 1/2"x250), 190.6/2 (1/2"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 300/2 (400/2X), 406/1BI (180), 425/4A (1.5 - 6x240), 430/3 (175), 445/1BI (240), 447/1HPP (240), 461/1BI (160), 514/1BI (280), 563R/7PR (280), 605TBI (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175), 615TBI (PH 1x80, PH 2x100, PH 4x200), 626TBI (PH 2x25), 627TBI (0.8 x 4.0x25), 631 (6 - 12), 640/6 (3, 4), 642/6 (3), 660/6 (150, 200), 670/6 (150), 812 (500), 912/5 (560x210x225)	

## 932

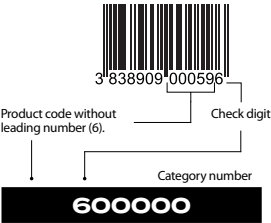
### Tool set with tool box 912/5



SKU	
601994	136
912/5 (560x210x225), 110/1CB, 125/1CB, 180/1CB, 186.4/2 (21, 21), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4"x55, 1/4"x150), 188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 190.1/1ABI (1/2"), 190.2/1BI (1/2"x380), 190.3/1 (1/2"), 190.4/1 (1/2"x125, 1/2"x250), 190.6/2 (1/2"), 190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 200/2CB, 205/2 (60 - 140), 212/2 (24), 220/3PB, 238.1/1FBI (3/8"), 238.4/2 (3/8"x45, 3/8"x75), 300/2 (400/2X), 405/1BI (180), 425/4A (1.5 - 6x240), 430/3 (175), 431/2 (325), 445/1BI (240), 472/1BI (140), 476/1BI (140), 563R/7PR (280), 605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), 615TBI (PH 1x80, PH 2x100, PH 3x150, PH 4x200), 626TBI (PH 2x25), 627TBI (0.8 x 4.0x25), 631 (6 - 12), 640/6 (3, 4, 5), 642/6 (5), 660/6 (150, 250), 670/6 (150), 812 (300, 500)	



Code index



600000

600060	2	110/1	24
600061	9	110/1	24
600062	6	110/1	24
600064	0	110/1	24
600065	7	110/1	24
600066	4	110/1	24
600067	1	110/1	24
600068	8	110/1	24
600069	5	110/1	24
600070	1	110/1	24
600072	5	110/1	24
600074	9	110/1	24
600075	6	110/1	24
600076	3	110/1	24
600077	0	110/1	24
600078	7	110/1	24
600079	4	110/1	24
600080	0	110/1	24
600081	7	110/1	24
600082	4	110/1	24
600083	1	110/1	24
600084	8	110/1	24
600085	5	110/1	24
600086	2	110/1	24
600088	6	110/1	24
600089	3	110/1	24
600090	9	110/1	24
600091	6	110/1	24
600092	3	110/1	24
600093	0	110/1	24
600095	4	110/1	24
600096	1	110/1	24
600097	8	110/1	24
600098	5	110/1	24
600099	2	110/1	24
600100	5	110/1	24
600101	2	110/1	24
600102	9	110/1	24
600105	0	110/1CB	24
600106	7	110/1CB	24
600107	4	110/1CB	24
600108	1	110/1PB	25
600109	8	110/1PB	25
600262	0	135/2	27
600357	3	120/1	27
600358	0	120/1	27
600359	7	120/1	27
600360	3	120/1	27
600361	0	120/1	27
600362	7	120/1	27
600363	4	120/1	27
600364	1	120/1	27
600365	8	120/1	27
600366	5	120/1	27
600367	2	120/1	27
600368	9	120/1	27
600369	6	120/1	27
600370	2	120/1	27
600371	9	120/1	27
600372	6	120/1	27
600373	3	120/1	27
600374	0	120/1	27
600375	7	120/1	27
600376	4	120/1	27
600377	1	120/1	27
600378	8	120/1	27
600379	5	120/1	27
600380	1	120/1	27
600381	8	120/1	27
600382	5	120/1	27
600383	2	120/1CB	28
600384	9	120/1CB	28
600414	3	125/1	29
600415	0	125/1	29
600416	7	125/1	29
600417	4	125/1	29

600418	1	125/1	29
600419	8	125/1	29
600420	4	125/1	29
600421	1	125/1	29
600422	8	125/1	29
600423	5	125/1	29
600424	2	125/1	29
600425	9	125/1	29
600426	6	125/1	29
600427	3	125/1	29
600428	0	125/1	29
600429	7	125/1	29
600430	3	125/1	29
600431	0	125/1CB	29
600511	9	180/1	32
600512	6	180/1	32
600513	3	180/1	32
600514	0	180/1	32
600516	4	180/1	32
600517	1	180/1	32
600518	8	180/1	32
600519	5	180/1	32
600520	1	180/1	32
600521	8	180/1	32
600522	5	180/1	32
600523	2	180/1	32
600524	9	180/1	32
600525	6	180/1	32
600526	3	180/1	32
600527	0	180/1	32
600528	7	180/1	32
600529	4	180/1	32
600530	0	180/1	32
600531	7	180/1	32
600532	4	180/1	32
600533	1	180/1	32
600534	8	180/1	32
600535	5	180/1	32
600536	2	180/1	32
600537	9	180/1	32
600541	6	180/1CB	32
600542	3	180/1CB	32
600543	0	180/1CB	32
600671	0	200/2	46
600672	7	200/2	46
600673	4	200/2	46
600674	1	200/2	46
600676	5	200/2	46
600677	2	200/2CB	46
600696	3	215/2	39
600697	0	215/2	39
600698	7	215/2	39
600699	4	215/2	39
600700	7	215/2	39
600701	4	215/2	39
600702	1	215/2	39
600703	8	215/2	39
600705	2	215/2	39
600706	9	215/2	39
600707	6	215/2	39
600708	3	215/2	39
600709	0	215/2	39
600710	6	215/2CB	39
600717	5	215/2	39
600718	2	215/2	39
600719	9	215/2	39
600723	6	215/2	39
600745	8	215.1/2	39
600747	2	215.1/2	39
600771	7	185/2	46
600772	4	185/2	46
600773	1	185/2	46
600776	2	186.4/2	57
600777	9	238.4/2	61
600778	6	238.4/2	61
600782	3	210/2	45
600783	0	210/2	45
600788	5	212/2	45
600789	2	212/2	45
600790	8	212/2	45
600791	5	212/2	45
600809	7	213/6	45
600811	0	213/6	45
600812	7	213/6	45
600813	4	213/6	45
600814	1	213/6	45
600815	8	188/2 6p	52
600816	5	188/2 6p	52

600817	2	188/2 6p	52
600818	9	188/2 6p	52
600819	6	188/2 6p	52
600820	2	188/2 6p	52
600821	9	188/2 6p	52
600822	6	188/2 6p	52
600823	3	188/2 6p	52
600824	0	188/2 6p	52
600825	7	188/2 6p	52
600826	4	188.4/2	55
600827	1	188.4/2	55
600830	1	188.3/2	54
600851	6	190/1 6p	63
600852	3	190/1 6p	63
600853	0	190/1 6p	63
600854	7	190/1 6p	63
600855	4	190/1 6p	63
600856	1	190/1 6p	63
600857	8	190/1 6p	63
600858	5	190/1 6p	63
600859	2	190/1 6p	63
600860	8	190/1 6p	63
600861	5	190/1 6p	63
600862	2	190/1 6p	63
600863	9	190/1 6p	63
600864	6	190/1 6p	63
600865	3	190/1 6p	63
600866	0	190/1 6p	63
600867	7	190/1 6p	63
600868	4	190/1 6p	63
600869	1	190/1 6p	63
600871	4	190/1 6p	63
600872	1	190/1 6p	63
600873	8	190.6/2	68
600874	5	190.4/1	68
600875	2	190.4/1	68
600876	9	190.3/1	68
600909	4	190.9/2BI	69
600954	4	197MB2	74
600978	0	192/2HX	64

601000

601016	8	250/1	27
601017	5	250/1	27
601018	2	250/1	27
601019	9	250/1	27
601024	3	205/2	46
601025	0	206/2	46
601036	6	220/3	41
601037	3	220/3	42
601038	0	220/3	42
601040	3	220/3	42
601041	0	220/3	42
601042	7	220/3	42
601044	1	220/3	42
601045	8	220/3	42
601046	5	220/3	42
601047	2	220/3	42
601048	9	220/3	42
601057	1	220/3PB	42
601059	5	220/3PB	42
601061	8	220/3PB	42
601127	1	582/3P	114
601127	1	582/3P	146
601136	3	425/4A	97
601136	3	425/4A	117
601137	0	425/4B	98
601137	0	425/4B	117
601142	4	432/3A	105
601144	8	432/3C	105
601342	8	530/4	103
601343	5	530/4	103
601344	2	530/4	103
601372	5	531/4	103
601373	2	531/4	103
601374	9	531/4	103
601375	6	531/4	103
601386	2	531/4PR	104
601387	9	531/4PR	104
601388	6	531/4PR	104
601464	7	441/7PR	95
601481	4	480/6	107
601482	1	480/6	107
601483	8	480/6	107
601484	5	480/6	107
601495	1	481/6	107
601496	8	481/6	107
601497	5	481/6	107

601498	2	481/6	107
601499	9	481/6	107
601510	1	482/6	107
601511	8	482/6	107
601512	5	482/6	107
601513	2	482/6	107
601514	9	482/6	107
601530	9	484/6	108
601530	9	484/6	300
601531	6	484/6	108
601531	6	484/6	300
601532	3	484/6	108
601532	3	484/6	300
601533	0	484/6	108
601533	0	484/6	300
601544	6	492/6	108
601545	3	492/6	108
601546	0	492/6	108
601547	7	492/6	108
601548	4	492/6	108
601549	1	492/6	108
601551	4	430/3	104
601552	1	430/3	104
601553	8	430/3	104
601554	5	431/2	107
601557	6	558/5P	106
601578	1	542/4PR	151
601590	3	550/3PR	151
601592	7	550.2/9	151
601688	7	631	135
601689	4	631	135
601702	0	640/6	186
601704	4	640/6	186
601705	1	640/6	186
601706	8	640/6	186
601711	2	641/6	186
601712	9	641/6	186
601713	6	641/6	186
601714	3	641/6	186
601715	0	641/6	186
601716	7	641/6	186
601717	4	641/6	186
601719	8	641/6	186
601724	2	642/6	187
601725	9	642/6	187
601726	6	642/6	187
601732	7	660/6	188
601733	4	660/6	188
601734	1	660/6	188
601737	2	646	187
601738	9	647	187
601739	6	645	187
601747	1	670/6	188
601748	8	670/6	188
601755	6	300/2	296
601756	3	300/2	296
601757	0	300/2	296
601758	7	300/2A	296
601762	4	680/2	174
601763	1	680/2	174
601764	8	680/2	174
601765	5	681/2	174
601766	2	681/2	174
601767	9	682/2	176
601768	6	682/2	176
601769	3	682/2	176
601796	9	812	184
601797	6	812	184
601799	0	812	184
601801	0	812	184
601802	7	812	184
601803	4	812	184
601804	1	812	184
601805	8	812	184
601806	5	812	184
601807	2	812	184
601809	6	812	184
601810	2	812	184
601812	6	816	184
601813	3	816	184
601814	0	816	184
601816	4	816	184
601824	9	805	184
601832	4	820	186
601833	1	820	186
601834	8	820	186
601835	5	820	186
601836	2	820	186



602441	7	6492C8	167
602519	3	6503E6,3	167
602520	9	6503E6,3	167
602521	6	6503E6,3	167
602522	3	6506E6,3	167
602523	0	6506E6,3	167
602524	7	6506E6,3	167
602525	4	6509E6,3	167
602526	1	6509E6,3	167
602527	8	6509E6,3	167
602528	5	6509E6,3	167
602529	2	6509E6,3	167
602537	7	812A	184
602538	4	812A	184
602539	1	812A	184
602552	0	909/1	244
602557	5	215/2	39
602593	3	110/1	24
602594	0	110/1	24
602595	7	110/1	24
602601	5	120/1	27
602602	2	120/1	27
602663	3	180/1	32
602664	0	180/1	32
602719	7	492AL	108
602720	3	492AL	108
602721	0	492AL	108
602722	7	492AL	108
602723	4	197/1 6p	72
602724	1	197/1 6p	72
602725	8	197/1 6p	72
602726	5	197/1 6p	72
602727	2	197/1 6p	72
602728	9	197/1 6p	72
602729	6	197/1 6p	72
602730	2	197/1 6p	72
602731	9	197/1 6p	72
602732	6	197/1 6p	72
602733	3	197/1 6p	72
602734	0	197/1 6p	72
602735	7	197/1 6p	72
602736	4	197/1 6p	72
602737	1	197.1/1	73
602738	8	197.3/1	74
602739	5	197.4/1	74
602740	1	197.4/1	74
602741	8	197.7/1	74
602742	5	197MB1	74
602743	2	981K3/4	240
602841	5	205.1	46
602844	6	110/1CS	25
602845	3	180/1CS	32
602997	9	180/1	32

## 603000

603028	9	6715E6,3	168
603095	1	199MB1	76
603096	8	199/1 6p	74
603097	5	199/1 6p	74
603098	2	199/1 6p	74
603099	9	199/1 6p	74
603100	2	199/1 6p	74
603101	9	199/1 6p	74
603102	6	199/1 6p	74
603103	3	199/1 6p	74
603104	0	199.1/1	75
603105	7	199.3/1	75
603106	4	199.4/1	76
603107	1	199.4/1	76
603123	1	180/1	32
603124	8	180/1	32
603128	6	215/2	39
603130	9	188/2 6p	52
603131	6	188/2 6p	52
603134	7	112/2	26
603135	4	197/1 6p	72
603160	6	447/6	95
603164	4	812A	184
603192	7	186.4/2	57
603193	4	186.4/2	57
603316	7	110/1	24
603317	4	110/1	24
603318	1	110/1	24
603332	7	125/1	29
603334	1	190.7/2	68
603378	5	190.10	69
603380	8	192/2HXL	64
603381	5	192/2HXL	64

603383	9	192/2HXL	64
603384	6	192/2HXL	64
603386	0	192/2HXL	64
603418	8	6515E6,3	167
603420	1	192/2HX	64
603421	8	192/2HX	64
603422	5	192/2HX	64
603423	2	192/2HX	64
603424	9	192/2HX	64
603425	6	192/2HX	64
603426	3	192/2HX	64
603427	0	192/2HX	64
603428	7	192/2HX	64
603455	3	192/2HXL	64
603477	5	666/6A	189
603521	5	981K1	240
603522	2	555/6	151
603611	3	112/2	26
603657	1	192/12	65
603673	1	960/6	239
603674	8	180/1CB	32
603709	7	120/1CS	28
603711	0	125/1CS	30
603715	8	110/1CB	24
603812	4	190/1 12p	63
603813	1	190/1 12p	63
603814	8	190/1 12p	63
603815	5	190/1 12p	63
603816	2	190/1 12p	63
603817	9	190/1 12p	63
603818	6	190/1 12p	63
603819	3	190/1 12p	63
603820	9	190/1 12p	63
603821	6	190/1 12p	63
603822	3	190/1 12p	63
603823	0	190/1 12p	63
603824	7	190/1 12p	63
603825	4	190/1 12p	63
603826	1	190/1 12p	63
603827	8	190/1 12p	63
603828	5	190/1 12p	63
603829	2	190/1 12p	63
603848	3	110/1	24
603962	6	231/4 6p	77
603963	3	231/4 6p	77
603964	0	231/4 6p	77
603965	7	231/4 6p	77
603966	4	231/4 6p	77
603967	1	231/4 6p	77
603968	8	231/4 6p	77
603969	5	231/4 6p	77
603970	1	231/4 6p	77
603971	8	231/4 6p	77
603972	5	231/4 6p	77
603973	2	231/4 6p	77
603974	9	231/4 6p	77
603975	6	231/4 6p	77
603976	3	231/4 6p	77
603977	0	231.4/4	79
603978	7	231.4/4	79
603979	4	231.7/4	79
603980	0	232/4 6p	79
603981	7	232/4 6p	79
603982	4	232/4 6p	79
603983	1	232/4 6p	79
603984	8	232/4 6p	79
603985	5	232/4 6p	79
603986	2	232/4 6p	79
603987	9	232/4 6p	79
603988	6	232/4 6p	79
603989	3	232/4 6p	79
603990	9	232/4 6p	79
603991	6	232/4 6p	79
603992	3	232.4/4	80
603993	0	232.4/4	80
603994	7	232.6/4	80
603995	4	232.7/4	80
603996	1	232.8/4	79
603997	8	231.8/4	79
603998	5	231.8/4	79

## 604000

604174	2	670/6A	189
604242	8	660/6	188
604267	1	660/6	188
604531	3	188.10	56
604546	7	621E	164
604547	4	621E	164

604577	1	1000AC	348
604692	1	6463TINC6,3	165
604695	2	6466TINC6,3	166
604696	9	6466TINC6,3	166
604701	0	6472TINC6,3	166
604702	7	6472TINC6,3	166
604825	3	6472TINC6,3	166

## 605000

605006	5	447/6	95
605042	3	179/2	31
605044	7	215/2	39
605045	4	112/2	26
605061	4	6762	169
605062	1	6762.1	168
605063	8	6762.2	169
605112	3	175/2	46
605113	0	250/1	27
605125	3	480/6	107
605160	4	977/1	245
605161	1	977/2	245
605162	8	977/3	245
605163	5	977/4	245
605206	9	429/3	104
605214	4	555.1/9	151
605237	3	447/1	95
605307	3	190/1 6p	63
605322	6	238/1 6p	59
605323	3	238/1 6p	59
605324	0	238/1 6p	59
605325	7	238/1 6p	59
605326	4	238/1 6p	59
605327	1	238/1 6p	59
605328	8	238/1 6p	59
605329	5	238/1 6p	59
605330	1	238/1 6p	59
605331	8	238/1 6p	59
605332	5	238/1 6p	59
605333	2	238/1 6p	59
605334	9	238/1 6p	59
605335	6	238/1 6p	59
605336	3	238/1 6p	59
605337	0	238/1 6p	59
605338	7	238/1 6p	59
605341	7	238.3/1	61
605342	4	238.4/1	61
605343	1	238.4/1	61
605344	8	238.6/1	61
605345	5	238.7/1	61
605348	6	110/1	24
605349	3	110/1	24
605350	9	110/1	24
605351	6	110/1	24
605352	3	110/1	24
605353	0	110/1	24
605354	7	110/1	24
605355	4	110/1	24
605356	1	110/1	24
605357	8	110/1	24
605358	5	110/1	24
605359	2	110/1	24
605418	6	583/6	114
605418	6	583/6	146
605419	3	583.1/7A	146
605491	9	820A	186
605492	6	820A	186
605493	3	820A	186
605494	0	820A	186
605495	7	820A	186
605516	9	805A	184
605518	3	6492C8	167
605528	2	110/1MS	25
605531	2	110/1CB	25
605532	9	110/1MS	25
605537	4	120/1MS	29
605539	8	125/1MS	30
605545	9	180/1MS	32
605548	0	231/4 6p	77
605549	7	110/1	24
605562	6	192/2TX	65
605563	3	192/2TX	65
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605565	7	192/2TX	65
605566	4	192/2TX	65
605567	1	192/2TX	65
605568	8	192/2TX	65
605569	5	192/2TX	65
605570	1	192/2TX	65

605806	1	425/4AB	98
605806	1	425/4AB	117
605838	2	120/1	27
605896	2	960/1	239
605897	9	960/2	239
605898	6	960/3	239
605923	5	192/2HX	64

## 607000

607019	3	120/1	27
607064	3	192/14	66
607137	4	915/5	238
607141	1	191/1	64
607142	8	191/1	64
607143	5	191/1	64
607144	2	191/1	64
607145	9	191/1	64
607146	6	191/1	64
607147	3	191/1	64
607148	0	191/1	64
607149	7	191/1	64
607161	9	193HX	40
607162	6	193HX	40
607163	3	193HX	40
607164	0	193HX	40
607165	7	193HX	40
607166	4	193HX	40
607167	1	193HX	40
607168	8	193HX	40
607169	5	193HX	40
607170	1	193HX	40
607171	8	193TX	41
607172	5	193TX	41
607173	2	193TX	41
607174	9	193TX	41
607175	6	193TX	41
607176	3	193TX	41
607177	0	193TX	41
607178	7	193TX	41
607179	4	193TX	41
607180	0	193TX	41
607181	7	193TX	41
607182	4	193TX	41
607314	9	191MB1	64
607348	4	447/6	95
607349	1	188.8	55
607386	6	977/5	245
607387	3	977/6	245
607494	8	529/4P	104
607821	2	188.6/2	55
607823	6	220/3	41
607824	3	220/3	41
607825	0	220/3	41
607826	7	220/3S	43
607827	4	220/3S	43
607828	1	220/3S	43
607829	8	220/3S	43
607830	4	220/3S	43
607831	1	220/3S	43
607832	8	220/3S	43
607834	2	220/3S	43
607835	9	220/3S	43
607852	6	220/3PH	42
607853	3	220/3SPH	44
607860	1	530/4	103
607867	0	405/1BI	86
607868	7	405/1BI	86
607869	4	405/1BI	86
607870	0	406/1BI	86
607871	7	406/1BI	86
607872	4	406/1BI	86
607873	1	420/1BI	87
607874	8	506/1BI	91
607875	5	506/1BI	91
607876	2	508/1BI	92
607877	9	508/1BI	92
607878	6	472/1BI	92
607879	3	472/1BI	92
607880	9	476/1BI	93
607881	6	476/1BI	93
607882	3	478/1BI	97
607882	3	478/1BI	115
607883	0	461/1BI	89
607883	0	461/1BI	112
607884	7	461/1BI	89
607884	7	461/1BI	112
607885	4	445/1BI	96
607887	8	445/1BI	96

608287	5	193N	37
608288	2	193N	37
608289	9	193N	37
608290	5	193N	37
608291	2	193N	37
608292	9	193N	37
608293	6	193N	37
608295	0	193N	37
608296	7	605E	163
608297	4	605E	163
608298	1	605E	163
608299	8	605E	163
608300	1	605E	163
608301	8	605E	163
608302	5	605E	163
608303	2	605E	163
608304	9	615E	164
608305	6	615E	164
608306	3	615E	164
608307	0	615E	164
608308	7	625E	165
608309	4	625E	165
608310	0	621E	164
608311	7	621E	164
608312	4	621E	164
608313	1	621E	164
608314	8	621E	164
608315	5	621E	164
608316	2	621E	164
608354	4	406/1BI	86
608355	1	977/7	245
608442	8	598/6	150
608444	8	660/6HS	188
608485	5	670/6HS	189
608486	2	670/6A	189
608489	3	670/6AHS	189
608490	9	670/6AHS	189
608491	6	670/6AHS	189
608492	3	660/6A	189
608493	0	660/6A	189
608497	8	660/6AHS	189
608498	5	660/6AHS	189
608499	2	660/6AHS	189
608500	5	665/6A	189
608501	2	665/6A	189
608503	6	666/6AHS	189
608510	4	220/3L	43
608511	1	220/3L	43
608512	8	220/3L	43
608513	5	220/3L	43
608514	2	220/3L	43
608515	9	220/3L	43
608516	6	220/3L	43
608517	3	220/3L	43
608518	0	220/3L	43
608519	7	220/3L	43
608520	3	220/3L	43
608521	0	220/3L	43
608522	7	220/3L	43
608523	4	220/3L	43
608524	1	220/3SL	44
608525	8	220/3SL	44
608526	5	220/3SL	44
608527	2	220/3SL	44
608528	9	220/3SL	44
608529	6	220/3SL	44
608530	2	220/3SL	44
608531	9	220/3SL	44
608532	6	220/3SL	44
608533	3	220/3LPH	43
608534	0	220/3SLPH	44
608538	8	914/3	238
608540	1	971/1BI	350
608541	8	971/2VDE	350
608542	5	940E1	211
608544	9	940E3	211
608545	6	940E4	211
608547	0	940E6	212
608554	8	660/6A	189
608668	2	405/4G	86
608669	9	405/4G	86
608670	5	405/4G	86
608671	2	667/6A	189
608673	6	406/4G	87
608674	3	406/4G	87
608675	0	406/4G	87
608676	7	406/4G	87
608677	4	406/4G	87

608686	6	441/4P	95
608690	3	445/4G	96
608692	7	445/4G	96
608694	1	455/4G	91
608697	2	461/4G	90
608698	9	461/4G	90
608700	9	466/4G	91
608701	6	478/4G	97
608704	7	472/4G	93
608705	4	472/4G	93
608710	8	508/4G	92
608711	5	508/4G	92
608712	2	506/4G	91
608713	9	506/4G	91
608720	7	512/4G	92
608721	4	512/4G	92
608723	8	530/4P	103
608724	5	530/4P	103
608725	2	530/4P	103
608726	9	530/4P	103
608727	6	531/4P	104
608728	3	531/4P	104
608729	0	531/4P	104
608730	6	531/4P	104
608815	0	300/6B	296
608816	7	300/6B	296
608817	4	300/6B	296
608821	1	300/6B	296
608837	2	466/1BI	91
608837	2	466/1BI	113
608850	1	466/1BI	91
608850	1	466/1BI	113
608879	2	193HXCB	40
608880	8	193TXCB	41
608922	5	636	161
608925	6	940ES3	213
608969	0	940ES5	214
608971	3	940ES7	214
608972	0	940ES8	214
608973	7	940ES9	214

## 609000

609083	2	177	38
609084	9	177	38
609085	6	177	38
609086	3	177	38
609087	0	177	38
609088	7	177	38
609089	4	177	38
609090	0	177	38
609091	7	177	38
609092	4	177	38
609093	1	177	38
609094	8	177	38
609095	5	177	38
609096	2	177	38
609097	9	177	38
609098	6	177	38
609099	3	177	38
609100	6	177CB	39
609102	0	176	38
609103	7	176	38
609104	4	176	38
609105	1	176	38
609106	8	176	38
609107	5	176	38
609108	2	176	38
609109	9	176	38
609110	5	176	38
609111	2	176	38
609112	9	176	38
609113	6	176	38
609114	3	176	38
609115	0	176	38
609116	7	176	38
609117	4	176	38
609118	1	176	38
609119	8	176	38
609120	4	176	38
609121	1	176	38
609122	8	176	38
609123	5	176	38
609124	2	176	38
609125	9	176	38
609126	6	176	38
609127	3	176	38
609128	0	176	38
609129	7	176	38

609130	3	176CB	38
609131	0	176CB	38
609132	7	202/1	37
609133	4	202/1	37
609134	1	202/1	37
609135	8	202/1	37
609136	5	202/1	37
609137	2	202/1	37
609138	9	202/1	37
609139	6	202/1	37
609141	9	202/1	37
609173	0	220/7TX	44
609174	7	220/7TX	44
609175	4	220/7TX	44
609176	1	220/7TX	44
609177	8	220/7TX	44
609178	5	220/7TX	44
609179	2	220/7TX	44
609190	7	466/4G	91
609192	1	455/1BI	91
609238	6	580/1BI	112
609238	6	580/1BI	146
609239	3	580/1BI	112
609239	3	580/1BI	146
609286	7	667/6AHS	189
609329	1	1000S	349
609330	7	1000T	349
609334	5	569R/7P	145
609335	2	567R/7P	145
609336	9	568R/7P	145
609337	6	193HXSCS	41
609365	9	710W	269
609366	6	190/1 12p	63
609367	3	190/1 12p	63
609368	0	190/1 12p	63
609369	7	190/1 12p	63
609370	3	190/1 12p	63
609371	0	190/1 12p	63
609372	7	190/1 12p	63
609373	4	190/1 12p	63
609374	1	190/1 12p	63
609375	8	190/1 12p	63
609376	5	190/1 12p	63
609377	2	190/1 12p	63
609378	9	190/1 12p	63
609379	6	190/1 12p	63
609380	2	190/1 12p	63
609381	9	190/1 12p	63
609382	6	190/1 12p	63
609383	3	197/1 6p	72
609384	0	197/1 6p	72
609385	7	197/1 6p	72
609386	4	197/1 6p	72
609387	1	197/1 6p	72
609388	8	197/1 6p	72
609390	1	197/1 6p	72
609391	8	197/1 6p	72
609392	5	197/1 6p	72
609393	2	197/1 6p	72
609394	9	197/1 6p	72
609396	3	197/1 6p	72
609397	0	197/1 6p	72
609399	4	231/4 6p	77
609400	7	231/4 6p	77
609401	4	231/4L6p	77
609402	1	231/4L6p	77
609403	8	232/4 6p	79
609404	5	232/4L6p	79
609405	2	583/6	114
609405	2	583/6	146
609406	9	583.1/7B	146
609407	6	755	290
609409	0	755.1	290
609423	6	757	290
609424	3	752	290
609447	2	997.1	246
609460	1	231.6/4	79
609478	6	997.1	246
609479	3	997.1	246
609480	9	997.1	246
609563	9	529/4PR	104

## 610000

610105	7	190/1 6p	63
610106	4	190/1 6p	63
610107	1	190/1 6p	63
610108	8	190/1 6p	63
610109	5	190/1 6p	63

610110	1	190/1 6p	63
610111	8	190/1 6p	63
610112	5	190/1 6p	63
610113	2	190/1 6p	63
610114	9	190/1 6p	63
610115	6	190/1 6p	63
610116	3	190/1 6p	63
610117	0	190/1 6p	63
610118	7	190/1 6p	63
610119	4	190/1 6p	63
610120	0	190/1 6p	63
610155	2	190/1 6p	63
610156	9	190/1 6p	63
610421	8	406/1VDEBI	126
610422	5	406/1VDEBI	126
610423	2	406/1VDEBI	126
610424	9	406/1VDEBI	126
610425	6	420/1VDEBI	127
610426	3	461/1VDEBI	128
610427	0	461/1VDEBI	128
610428	7	466/1VDEBI	129
610430	0	472/1VDEBI	129
610431	7	476/1VDEBI	129
610432	4	476/1VDEBI	129
610433	1	478/1VDEBI	132
610434	8	506/1VDEBI	130
610435	5	506/1VDEBI	130
610436	2	508/1VDEBI	130
610437	9	508/1VDEBI	130
610438	6	512/1VDEBI	131
610439	3	512/1VDEBI	131
610440	9	580/1VDEBI	132
610441	6	580/1VDEBI	132
610487	4	1200/1	295
610518	5	1210	295
610519	2	1210	295
610520	8	1210	295
610521	5	1210	295
610522	2	1210	295
610523	9	1210	295
610539	0	1216	296
610540	6	1216	296
610544	4	1216	296
610545	1	1216	296
610546	8	1216	296
610559	8	997.1	246
610560	4	997.1	246
610695	3	197.7/1	74
610716	5	1250	269
610717	2	1250	269
610718	9	1250	269
610719	6	1250	269
610720	2	1250	269
610721	9	1250	269
610722	6	1250	269
610723	3	1250	269
610724	0	1250	269
610725	7	1252	269
610726	4	1252	269
610727	1	1252	269
610728	8	1252	269
610729	5	1252	269
610730	1	1260/7	269
610731	8	1260/7	269
610732	5	1260/7	269
610733	2	1260/7	269
610734	9	1260/7	269
610736	3	1260/7A	270
610738	7	1260/7A	270
610739	4	1260/7A	270
610751	6	1272	270
610752	3	1272	270
610753	0	1272	270
610754	7	1272	270
610755	4	1272	270
610756	1	1272	270
610762	2	190/1L12p	64
610763	9	190/1L12p	64
610764	6	190/1L12p	64
610765	3	190/1L12p	64
610766	0	190/1L12p	64
610767	7	190/1L12p	64
610768	4	190/1L12p	64
610769	1	190/1L12p	64
610770	7	190/1L12p	64
610771	4	190/1L12p	64
610772	1	190/1L12p	64
610773	8	190/1L12p	64

611721	8	620TBI	162	612036	2	238/1L6p	60	612178	9	110/2VDEDP	122	612782	8	514/1BI	96	613004	0	761HB	292
611722	5	621TBI	162	612037	9	238/1L6p	60	612179	6	110/2VDEDP	122	612782	8	514/1BI	115	613005	7	761H1/2S	292
611723	2	621TBI	162	612038	6	238/1L6p	60	612180	2	110/2VDEDP	122	612789	7	710R	269	613006	4	761H1/2S	292
611724	9	621TBI	162	612039	3	238/1L6p	60	612181	9	110/2VDEDP	122	612790	3	710R	269	613007	1	761H1/2S	292
611725	6	621TBI	162	612040	9	238/1L6p	60	612182	6	110/2VDEDP	122	612791	0	710R	269	613008	8	761HS	292
611726	3	621TBI	162	612041	6	238/1L6p	60	612183	3	110/2VDEDP	122	612792	7	710R	269	613009	5	761HS	292
611727	0	621TBI	162	612042	3	238/1L6p	60	612184	0	110/2VDEDP	122	612793	4	710R	269	613011	8	763HB	293
611728	7	621TBI	162	612043	0	238/1L6p	60	612185	7	180/2VDEDP	122	612794	1	710R	269	613012	5	763HB	293
611729	4	621TBI	162	612044	7	238/1L6p	60	612186	4	180/2VDEDP	122	612795	8	710R	269	613013	2	763HB	293
611730	0	621TBI	162	612045	4	238/1L6p	60	612187	1	180/2VDEDP	122	612796	5	710R	269	613014	9	763H1/2S	293
611731	7	621TBI	162	612046	1	238/1L6p	60	612188	8	180/2VDEDP	122	612797	2	602TBI	156	613015	6	763H1/2S	293
611732	4	621TBI	162	612047	8	238/1L6p	60	612189	5	180/2VDEDP	122	612798	9	602TBI	156	613016	3	763H1/2S	293
611733	1	621TBI	162	612048	5	238/1L6p	60	612190	1	180/2VDEDP	122	612799	6	602TBI	156	613017	0	763HS	294
611734	8	621/1TBI	163	612049	2	238/1L6p	60	612191	8	180/2VDEDP	122	612800	9	602TBI	156	613018	7	763HS	294
611735	5	621/1TBI	163	612050	8	238/1L6p	60	612192	5	180/2VDEDP	122	612801	6	602TBI	156	613020	0	764HB	294
611736	2	621/1TBI	163	612060	7	230/4 6p	76	612193	2	180/2VDEDP	122	612802	3	602TBI	156	613021	7	764HB	294
611737	9	621/1TBI	163	612062	1	230/4 6p	76	612194	9	180/2VDEDP	122	612803	0	602TBI	156	613022	4	764HB	294
611738	6	621/1TBI	163	612063	8	230/4 6p	76	612195	6	190/2VDEDP	124	612804	7	602TBI	156	613023	1	764H1/2S	294
611739	3	621/1TBI	163	612064	5	230/4 6p	76	612196	3	190/2VDEDP	124	612805	4	602TBI	156	613024	8	764H1/2S	294
611740	9	621/1TBI	163	612065	2	230/4 6p	76	612197	0	190/2VDEDP	124	612806	1	602TBI	156	613025	5	764H1/2S	294
611741	6	625TBI	161	612066	9	230/4 6p	76	612198	7	190/2VDEDP	124	612810	8	605TBI	156	613026	2	764HS	294
611742	3	625TBI	161	612067	6	230/4 6p	76	612199	4	190/2VDEDP	124	612811	5	605TBI	156	613027	9	764HS	294
611743	0	625TBI	161	612069	0	230/4 6p	76	612200	7	190/2VDEDP	124	612812	2	605TBI	156	613029	3	765HB	294
611744	7	625TBI	161	612070	6	230/4 6p	76	612201	4	190/2VDEDP	124	612813	9	605TBI	156	613030	9	765HB	294
611746	1	629TBI	163	612071	3	230/4 6p	76	612202	1	190/2VDEDP	124	612814	6	605TBI	156	613031	6	765HB	294
611747	8	629TBI	163	612073	7	230/4 6p	76	612203	8	190/2VDEDP	124	612815	3	605TBI	156	613032	3	765H1/2S	294
611748	5	629TBI	163	612074	4	230/4 6p	76	612204	5	190.4/2VDEDP	125	612816	0	605TBI	156	613033	0	765H1/2S	294
611749	2	629TBI	163	612075	1	230.4/4	76	612205	2	190.4/2VDEDP	125	612817	7	605TBI	156	613034	7	765H1/2S	294
611750	8	629TBI	163	612076	8	230.4/4	76	612206	9	190.1VDE	125	612818	4	605TBI	156	613035	4	765HS	294
611751	5	629TBI	163	612077	5	230.6/4	76	612208	3	994	203	612819	1	605TBI	156	613036	1	765HS	294
611752	2	629TBI	163	612078	2	230.7/4	77	612215	1	948E1	242	612830	6	626TBI	160	613038	5	767H1/2S	294
611753	9	629TBI	163	612079	9	230.8/4	77	612216	8	948E2	242	612831	3	626TBI	160	613039	2	767H1/2S	294
611754	6	629TBI	163	612080	5	230.8/4	77	612220	5	946AC	215	612832	0	627TBI	157	613041	5	768H1/2S	294
611756	0	466/1VDEBI	129	612082	9	236/2HX	58	612221	2	806	184	612833	7	627TBI	157	613042	2	768H1/2S	294
611757	7	940E9	213	612083	6	236/2HX	58	612222	9	806	184	612834	4	627TBI	157	613043	9	768H1/2S	294
611762	1	129/1	30	612084	3	236/2HX	58	612223	6	806	184	612835	1	627TBI	157	613049	1	254	36
611763	8	129/1	30	612085	0	236/2HX	58	612224	3	806	184	612837	5	628TBI	161	613050	7	255/2	36
611764	5	129/1	30	612086	7	236/2HX	58	612228	1	777/6A	295	612838	2	628TBI	161	613051	4	255/2	36
611765	2	129/1	30	612087	4	236/2HXL	58	612233	5	777/6C	295	612866	5	633	165	613052	1	255/2	36
611766	9	129/1	30	612088	1	236/2HXL	58	612234	2	777/6C	295	612867	2	188.9	55	613053	8	255/2	36
611767	6	129/1	30	612089	8	236/2HXL	58	612235	9	777/6C	295	612868	9	188.4/2F	55	613054	5	255/2	36
611768	3	129/1	30	612090	4	236/2HXL	58	612236	6	755	290	612869	6	487/2P	108	613055	2	255/2	36
611769	0	129/1	30	612091	1	236/2HXL	58	612237	3	755.1	290	612870	2	251/4	27	613056	9	255/2	36
611770	6	129/1	30	612093	5	236/2PH	58	612300	4	621CS7TBI	162	612871	9	251/4	27	613057	6	255/2	36
611771	3	129/1	30	612094	2	236/2PH	58	612308	0	621/1CS7TBI	163	612872	6	251/4	27	613058	3	255/2	36
611772	0	129/1	30	612098	0	236/2SL	58	612318	9	629CS5TBI	163	612873	3	251/4	27	613059	0	255/2	36
611773	7	129/1	30	612099	7	236/2SL	58	612326	4	608CS5TBI	159	612874	0	231/4ATX	78	613060	6	255/2	36
611775	1	129/1CS	31	612101	7	236/2TX	58	612327	1	461/4P	90	612875	7	231/4ATX	78	613061	3	255/2	36
611776	8	129/1CB	31	612102	4	236/2TX	58	612328	8	946A	215	612876	4	231/4ATX	78	613062	0	255/2	36
611780	5	442/1HYPO	94	612103	1	236/2TX	58	612329	5	946CWR	229	612877	1	231/4ATX	78	613063	7	255/2	36
611782	9	190.1/1ABI	67	612104	8	236/2TX	58	612330	1	990CA	229	612878	8	231/4ATX	78	613072	9	239C	62
611784	3	939/5E	237	612105	5	236/2TX	58	612331	8	946ACR	216	612879	5	231/4ATX	78	613073	6	239D	63
611884	0	1000AD	348	612106	2	236/2TX	58	612422	3	192/2TXL	65	612880	1	231/4TX	78	613078	1	596.1/7A	150
611899	4	190.2/1BI	68	612113	0	236/2ZX	58	612423	0	192/2TXL	65	612881	8	231/4TX	78	613089	7	220/7TXPH	44
611900	7	190.2/1BI	68	612114	7	236/2ZX	58	612424	7	192/2TXL	65	612882	5	231/4TX	78	613101	6	429/3	104
611901	4	188.1/1ABI	53	612115	4	236/2ZX	58	612425	4	192/2TXL	65	612883	2	231/4TX	78	613102	3	429/3	104
611902	1	188.2/2BI	54	612120	8	231.7/4	79	612426	1	192/2TXL	65	612884	9	231/4TX	78	613103	0	300/2C	296
611905	2	220/3	42	612121	5	237/1	59	612427	8	192/2TXL	65	612885	6	231/4TX	78	613104	7	300/2C	296
611917	5	250/1	27	612122	2	237/1	59	612428	5	192/2TXL	65	612886	3	231/4TX	78	613105	4	300/2C	296
611918	2	250/1	27	612123	9	237/1	59	612429	2	192/2TXL	65	612892	4	182/2BTX	33	613106	1	300CCB	296
611930	4	129/1	30	612124	6	237/1	59	612430	8	192/2TXL	65	612893	1	182/2BTX	33	613196	2	592R-PLUS/7DP	144
611939	7	190BI6P24	70	612125	3	237/1	59	612501	5	238.1/1ABI	60	612894	8	182/2BTX	33	613222	8	112/2	26
611940	3	190BI6P14	70	612126	0	237/1	59	612502	2	238.2/1BI	61	612895	5	182/2BTX	33				
611941	0	190BI12P24	72	612131	4	710P	268	612506	0	231/4PB1	78	612908	2	948E1.1	242				
611943	4	190BI12P23IN	71	612132	1	710P	268	612507	7	231/4PB2	79	612929	7	762/5B	293				
611944	1	190BI6P43	71	612133	8	710P	268	612508	4	231/4PB3	79	612930	3	762/5B	293				
611945	8	190BITX1P22	72	612134	5	710P	268	612509	1	239A	62	612931	0	762/5 1/2S	293				
611946	5	190BIHX1P20	72	612135	2	710P	268	612548	0	971/3VDE	350	612932	7	762/5 1/2S	293				



615080	2	683/2	175	615278	3	117/4	26	616387	1	621CR	162	616484	7	623VDE	134	616860	9	188/2 12p	53
615081	9	683/2	175	615279	0	117/4	26	616388	8	621CR	162	616485	4	623VDE	134	616861	6	188/2 12p	53
615147	2	183/2	33	615280	6	117/4	26	616389	5	621CR	162	616493	9	436/4P	106	616862	3	188/2 12p	53
615148	9	250/1	27	615281	3	117/4	26	616393	2	625CR	161	616494	6	436/4P	106	616863	0	188/2 12p	53
615150	2	188B	56	615282	0	117/4	26	616394	9	625CR	161	616521	9	596.3PLUS/7	149	616864	7	188/2 12p	53
615151	9	188C	56	615283	7	117/4	26	616395	6	625CR	161	616522	6	596.3PLUS/7	149	616865	4	188/2 12p	53
615156	4	255/2CT	37	615285	1	117/4	26	616396	3	625CR	161	616652	0	950/6	246	616866	1	188/2 12p	53
615158	8	573/7P	145	615318	6	1531	250	616397	0	626CR	160	616706	0	701A	271	616867	8	188/2 12p	53
615159	5	573/7P	145	615319	3	1551	251	616398	7	626CR	160	616721	3	434/3A	105	616868	5	188/2 12p	53
615160	1	573/7P	145	615320	9	1541	251	616399	4	627CR	157	616722	0	434/3B	105	616869	2	188/2 12p	53
615161	8	573/7P	145	615321	6	1562	252	616400	7	627CR	157	616723	7	434/3C	105	616870	8	188/2 12p	53
615162	5	573/7P	145	615322	3	1561	252	616401	4	627CR	157	616724	4	434/3D	106	616871	5	188/2 12p	53
615173	1	192/2HXVDEDP	124	615324	7	1571	253	616402	1	628CR	162	616727	5	442/1HYPO	94	616872	2	188/2 12p	53
615174	8	192/2HXVDEDP	124	615325	4	1591	254	616403	8	628CR	162	616732	9	585/6	112	616873	9	188/2 12p	53
615175	5	192/2HXVDEDP	124	615326	1	1592	255	616404	5	629CR	163	616732	9	585/6	146	616874	6	188/2 12p	53
615176	2	192/2HXVDEDP	124	615327	8	190B112P23	71	616406	9	629CR	163	616734	3	532/1P	100	616875	3	188/2 12p	53
615177	9	192/2HXVDEDP	124	615454	1	1300/6	297	616407	6	629CR	163	616736	7	539/1PCT	102	616876	0	188/2 12p	53
615178	6	190.5/2VDEDP	125	615464	0	CT129	31	616408	3	629CR	163	616737	4	534/1P	101	616877	7	188/2 12p	53
615179	3	938/3V	236	615465	7	110/1CT	25	616409	0	629CR	163	616740	4	536/1P	101	616878	4	188/2 12p	53
615180	9	190B16P22IN	70	615467	1	183/2CT	34	616410	6	629CR	163	616743	5	538/1P	102	616879	1	188/2 12p	53
615195	3	233/4 6p	80	615472	5	202/1CT	37	616411	3	629CR	163	616745	9	120/1	27	616880	7	188/2 12p	53
615196	0	233/4 6p	80	615475	6	120/1CT	29	616413	7	629CR	163	616746	6	120/1	27	616881	4	188/2L6p	53
615197	7	233/4 6p	80	615478	7	125/1CT	30	616414	4	629CR	163	616747	3	120/1	27	616882	1	188/2L6p	53
615198	4	233/4 6p	80	615480	0	CT110	25	616415	1	629CR	163	616748	0	120/1	27	616883	8	188/2L6p	53
615199	1	233/4 6p	80	615485	5	264	267	616418	2	629CR	163	616749	7	120/1	27	616884	5	188/2L6p	53
615200	4	233/4 6p	80	615486	2	264	267	616419	9	605NI	157	616752	7	120/1	27	616885	2	188/2L6p	53
615201	1	233/4 6p	80	615487	9	264	267	616420	5	605NI	157	616753	4	120/1	27	616886	9	188/2L6p	53
615202	8	233/4 6p	80	615488	6	264	267	616421	2	605NI	157	616754	1	120/1	27	616887	6	188/2L6p	53
615203	5	233/4 6p	80	615489	3	264	267	616422	9	605NI	157	616755	8	120/1	27	616888	3	188/2L6p	53
615204	2	233/4 6p	80	615490	9	264	267	616423	6	605NI	157	616756	5	120/1	28	616889	0	188/2L6p	53
615205	9	233/4 6p	80	615491	6	264	267	616424	3	605NI	157	616757	2	120/1	28	616890	6	188/2L6p	53
615206	6	233/4 6p	80	615494	7	385VDEDP	137	616425	0	605NI	157	616763	3	231/4P	77	616891	3	188/2L6p	53
615207	3	233/4 6p	80	615502	9	753VDP	137	616426	7	605NI	157	616764	0	231/4P	77	616892	0	188/2L6p	53
615208	0	233/4 6p	80	615510	4	940H1	205	616427	4	605NI	157	616765	7	231/4P	77	616893	7	188/2L6p	53
615209	7	233/4 6p	80	615511	1	940H2	205	616428	1	615NI	160	616771	8	233/4L6p	80	616905	7	238/1 12p	59
615210	3	233/4 6p	80	615512	8	940H3	206	616429	8	615NI	160	616772	5	233/4L6p	80	616906	4	238/1 12p	59
615211	0	233/4 6p	80	615516	6	1565	253	616430	4	615NI	160	616773	2	233/4L6p	80	616907	1	238/1 12p	59
615212	7	233/4 6p	80	616000				616431	1	615NI	160	616774	9	233/4L6p	80	616908	8	238/1 12p	59
615213	4	233/4 6p	80	616296	6	220/7TX	44	616433	5	625NI	161	616775	6	233/4L6p	80	616909	5	238/1 12p	59
615214	1	233.4/4	80	616320	8	606CS5TBI	158	616434	2	625NI	161	616776	3	233/4L6p	80	616910	1	238/1 12p	59
615215	8	233.4/4	80	616322	2	600CR	156	616436	6	603VDETBI	133	616777	0	233/4L6p	80	616911	8	238/1 12p	59
615216	5	233.6/4	81	616323	9	600CR	156	616437	3	603VDETBI	133	616778	7	233/4L6p	80	616912	5	238/1 12p	59
615217	2	233.7/4	81	616324	6	600CR	156	616438	0	603VDETBI	133	616779	4	233/4L6p	80	616913	2	238/1 12p	59
615218	9	231/4AHX	78	616324	6	600CR	156	616439	7	603VDETBI	133	616780	0	233/4L6p	80	616914	9	238/1 12p	59
615219	6	231/4AHX	78	616325	3	600CR	156	616440	3	603VDETBI	133	616781	7	233/4L6p	80	616915	6	238/1 12p	59
615220	2	231/4AHX	78	616338	3	605CR	157	616441	0	603VDETBI	133	616782	4	233/4L6p	80	616916	3	238/1 12p	59
615221	9	231/4AHX	78	616339	0	605CR	157	616442	7	603VDETBI	133	616783	1	233/4L6p	80	616917	0	238/1 12p	59
615222	6	231/4AHX	78	616340	6	605CR	157	616443	4	613VDETBI	133	616784	8	233/4L6p	80	616918	7	238/1 12p	59
615223	3	231/4AHX	78	616341	3	605CR	157	616444	1	613VDETBI	133	616785	5	233/4L6p	80	616919	4	238/1 12p	59
615224	0	231/4AHX	78	616342	0	605CR	157	616445	8	613VDETBI	133	616786	2	233/4L6p	80	616920	0	238/1 12p	59
615225	7	231/4AHX	78	616343	7	605CR	157	616446	5	613VDETBI	133	616787	9	233/4L6p	80	616921	7	238/1 12p	59
615226	4	585/6	112	616344	4	605CR	157	616447	2	613VDETBI	133	616788	6	233/4L6p	80	616922	4	238/1 12p	59
615226	4	585/6	146	616345	1	605CR	157	616448	9	620VDETBI	134	616789	3	233/4L6p	80	616923	1	238/1 12p	59
615227	1	231/4PB4	79	616346	8	605CR	157	616449	6	620VDETBI	134	616790	9	234/4 6p	81	616924	8	238/1 12p	59
615229	5	216/1	39	616347	5	605CR	157	616450	2	620VDETBI	134	616791	6	234/4 6p	81	616925	5	238/1 12p	59
615230	1	216/1	39	616348	2	605CR	157	616451	9	620VDETBI	134	616793	0	234/4 6p	81	616926	2	238/1 12p	59
615231	8	216/1	39	616349	9	605CR	157	616452	6	620VDETBI	134	616794	7	234/4 6p	81	616927	9	238/1 12p	59
615232	5	216/1	39	616350	5	605CR	157	616453	3	620VDETBI	134	616795	4	234/4 6p	81	616928	6	238/1 12p	59
615233	2	216/1	39	616351	2	605CR	157	616454	0	621VDETBI	134	616796	1	234/4 6p	81	616929	3	238/1 12p	59
615234	9	216/1	39	616352	9	605CR	157	616455	7	621VDETBI	134	616800	5	234.7/4	81	616930	9	238/1 12p	59
615235	6	216/1	39	616353	6	605CR	157	616456	4	621VDETBI	134	616802	9	265	267	616931	6	238/1 12p	59
615236	3	216/1	39	616354	3	605CR	157	616457	1	621VDETBI	134	616803	6	265	267	616932	3	238/1 12p	59
615243	1	216.1	40	616355	0	605CR	157	616458	8	621VDETBI	134	616804	3	280	268	616933	0	238/1 12p	59
615244	8	216.1	40	616356	7	605CR	157	616459	5	621VDETBI	134	616805	0	280	268	616934	7	238/1 12p	59
615252	3	216/1CB	40	616357	4	605CR	157	616460	1	623VDETBI	134	616808	1	188.10	56	616935	4	238/1 12p	59
615254	7	233.8/4	81	616358	1	605CR	157	616461	8	623VDETBI	134	616809	8	188.10	56	616966	8	220/3	42
615255	4	233.8/4	81	616359	8	605CR	157	616462	5	623VDETBI	134	616810	4	642A	187	616967	5	220/3	42
615256	1	596PLUS/6G	148	616360	4	612CR	159	616463	2	6									

616996	5	220/7TXN	45
616997	2	220/7TXN	45
616998	9	220/7TXN	45
616999	6	220/7TXN	45

## 617000

617000	8	220/7TXN	45
617001	5	220/7TXN	45
617017	6	606CS5CR	157
617021	3	607B5CR	158
617026	8	607CS7CR	158
617028	2	608CS5CR	158
617030	5	609CS7CR	159
617031	2	621CS7CR	162
617032	9	629CS7CR	163
617033	6	606B5NI	157
617037	4	607B5NI	158
617041	1	608CS5NI	159
617042	8	603CS6VDETB1	136
617043	5	603CS6TVDETB1	136
617044	2	603CS6VDE	136
617045	9	603CS6TVDE	136
617048	0	620CS6VDETB1	136
617049	7	621CS6VDETB1	136
617050	3	629CS6VDETB1	136
617053	4	217/2	40
617054	1	217/2	40
617055	8	217/2	40
617057	2	217/2	40
617059	6	217/2	40
617060	2	217/2	40
617061	9	217/2	40
617063	3	217/2	40
617065	7	217/2	40
617066	4	217/2	40
617070	1	217/2	40
617077	0	220/7TXNPH	45
617079	4	220/3PH	42
617080	0	220/3LPH	43
617082	4	220/3LPH	43
617088	6	626TBI	160
617092	3	627TBI	157
617095	4	628TBI	161
617100	5	920PLUS1	207
617101	2	920PLUS2	207
617115	9	950/2	246
617116	6	950/9	246
617117	3	239A12P24	62
617118	0	188B112P16	57
617119	7	197MB3	75
617122	7	238/1 12p	59
617125	8	192/15	66
617126	5	234.8/4	81
617127	2	234.8/4	81
617128	9	620/1CR	162
617129	6	620/1CR	162
617130	2	620/1CR	162
617146	3	220FH	42
617147	0	220/3SFH	44
617149	4	220FH	42
617150	0	220/7TXNFH	45
617154	8	1262/5A	270
617155	5	1262/5A	270
617156	2	1262/5A	270
617157	9	1262/5A	270
617158	6	1262/5A	270
617161	6	1575	254
617175	3	950/3V	246
617177	7	950.3	245
617187	6	950.4	246
617188	3	950.1	245
617227	9	940ECO	215
617227	9	940ECO	215
617246	0	250/1ADP	27
617247	7	250/1ADP	27
617248	4	250/1ADP	27
617249	1	250/1ADP	27
617269	9	940ECOS1	215
617303	0	233.7/4	81
617527	0	197/1 6p	72
617571	3	905VDEBI	138
617571	3	905VDEBI	350
617573	7	906VDEBI	138
617573	7	906VDEBI	351
617631	4	238.1/1ALBI	60
617653	6	603CS6AVT	135
617654	3	603CS6ATVT	135
617655	0	603CS6AVDE	135

617656	7	603CS6ATVD	135
617657	4	197.6/1	74
617658	1	199.6/1	76
617659	8	630VDE	134
617660	4	630VDE	134
617661	1	300/2	296
617662	8	236/2HX	58
617663	5	236/2HX	58
617664	2	236/2HX	58
617665	9	236/2HX	58
617666	6	236/2HX	58
617667	3	236/2HX	58
617668	0	236/2HX	58
617669	7	236/2HX	58
617672	7	585/6P	146
617686	4	466/1BI	91
617686	4	466/1BI	113
617687	1	466/4G	91
617689	5	234.6/4	81
617690	1	1596	255
617691	8	1597	255
617692	5	1279	271
617693	2	1263	270
617694	9	1263	270
617695	6	1263	270
617696	3	1263	270
617697	0	1263	270
617698	7	272	271
617704	5	1280	271
617707	6	1280	271
617709	0	234.4/4	81
617713	7	1510	256
617714	4	1514	256
617715	1	1514	256
617716	8	1514.1B	256
617717	5	1514.2B	257
617718	2	1514A1	256
617719	9	1514A2	256
617720	5	1514A3	256
617721	2	1514A4	257
617722	9	1514A5	257
617723	6	1514A6	257
617724	3	1299	271
617725	0	1290/5	271
617726	7	1515	257
617727	4	1515H	257
617729	8	15175	258
617730	4	1518	259
617731	1	1516	258
617732	8	1516A	258
617733	5	1510	256
617735	9	1500	259
617736	6	1501	259
617737	3	1502	259
617743	4	1505	260
617744	1	1505	260
617745	8	1505	260
617746	5	1505	260
617747	2	1505	260
617748	9	1505	260
617767	0	1508A	259
617768	7	1508B	259
617773	1	639A	298
617774	8	639B	298
617775	5	639C	299
617776	2	639D	299
617777	9	639PB	299
617793	9	1506KZ7	260
617794	6	1506KZ7	260
617795	3	1506KN7	260
617796	0	1506KN7	260
617797	7	1507Z7	260
617798	4	1507Z7	260
617801	1	110/2VDEDP	122
617802	8	110/2VDEDP	122
617803	5	190/2VDEDP	124
617804	2	190/2VDEDP	124
617818	9	402A	86
617823	3	920ES3	207
617933	9	402B	86

## 618000

618331	2	110/2VDEDP	122
618333	6	110/2VDEDP	122
618335	0	110/2VDEDP	122
618336	7	110/2VDEDP	122
618337	4	110/2VDEDP	122
618367	1	188.1/1FBI	54

618368	8	238.1/1FBI	60
618369	5	190.1/1FBI	66
618370	1	110/2VDEDP	122
618460	9	940ECOES7	215
618483	8	1507Z7	260
618491	3	120/1	28
618492	0	120/1	28
618493	7	120/1	28
618494	4	120/1	28
618495	1	120/1	28
618496	8	120/1	28
618497	5	120/1	28
618498	2	120/1	28
618499	9	120/1	28
618500	2	120/1	28
618501	9	120/1	28
618502	6	120/1	28
618503	3	120/1	28
618504	0	120/1	28
618505	7	120/1	28
618506	4	120/1	28
618507	1	120/1	28
618508	8	120/1	28
618509	5	120/1	28
618510	1	120/1	28
618511	8	120/1	28
618512	5	120/1	28
618513	2	120/1	28
618514	9	120/1	27
618515	6	120/1	28
618516	3	120/1	28
618517	0	120/1	27
618518	7	120/1	28
618566	8	125/1	29
618570	5	125/1	29
618575	0	215/2	39
618577	4	215/2	39
618620	7	585.1/7	112
618620	7	585.1/7	146
618621	4	585.1/7	112
618621	4	585.1/7	146
618622	1	585.1/7P	146
618623	8	114/2	26
618624	5	114/2	26
618625	2	114/2	26
618626	9	114/2	26
618627	6	114/2	26
618628	3	114/2	26
618629	0	114/2	26
618630	6	114/2	26
618631	3	114/2	26
618632	0	114/2	26
618633	7	114/2	26
618634	4	114/2	26
618635	1	114/2	26
618636	8	114/2	26
618637	5	114/2	26
618651	1	125/1	29
618652	8	125/1	29
618666	5	197/1 12p	73
618667	2	197/1 12p	73
618668	9	197/1 12p	73
618669	6	197/1 12p	73
618670	2	197/1 12p	73
618671	9	197/1 12p	73
618672	6	197/1 12p	73
618673	3	197/1 12p	73
618674	0	197/1 12p	73
618675	7	197/1 12p	73
618676	4	197/1 12p	73
618677	1	197/1 12p	73
618678	8	197/1 12p	73
618679	5	197/1 12p	73
618680	1	197/1 12p	73
618681	8	197/1 12p	73
618682	5	188/2 6p	52
618683	2	188/2 6p	52
618684	9	188/2 6p	52
618685	6	188/2 6p	52
618686	3	188/2 6p	52
618687	0	188/2 6p	52
618688	7	188/2 6p	52
618689	4	188/2 6p	52
618690	0	188/2 6p	52
618691	7	188/2 6p	52
618692	4	188/2 6p	52
618693	1	188/2 6p	52
618697	9	188/2L6p	53

618699	3	199/1 12p	75
618701	3	188.10A	56
618702	0	188.10A	56
618703	7	188.10A	56
618708	2	232.7/4	80
618761	7	231/4ATX	78
618893	5	492/6	108
618894	2	492/6	108

## 619000

619015	0	231/4PL	78
619016	7	231/4PL	78
619017	4	231/4PL	78
619020	4	722.1/7	289
619021	1	722.1/7	289
619023	5	722.1/7	289
619026	6	722.1AL	289
619027	3	722.1AL	289
619029	7	722.1AL	289
619088	4	188H	56
619089	1	238H	63
619090	7	190H	69
619098	3	750VDP	137
619099	0	1351V	138
619100	3	1352V	138
619101	0	385AVDEDP	136
619104	1	190/2LVDEDP	124
619105	8	190/2LVDEDP	124
619106	5	190/2LVDEDP	124
619107	2	190/2LVDEDP	124
619108	9	190/2LVDEDP	124
619111	9	190/2LVDEDP	124
619113	3	190/2LVDEDP	124
619115	7	190/2LVDEDP	124
619119	5	190.1AVDEDP	124
619132	4	220TV	123
619133	1	220TV	123
619134	8	220TV	123
619135	5	220TV	123
619136	2	220/3LVDEDP	123
619137	9	220/3LVDEDP	123
619138	6	220/3LVDEDP	123
619139	3	220/3LVDEDP	123
619140	9	220/3LVDEDP	123
619141	6	220/3LVDEDP	123
619142	3	220/3LVDEDP	123
619143	0	196/2LVDEDP	123
619150	8	196/2LVDEDP	123
619151	5	196/2LVDEDP	123
619152	2	196/2LVDEDP	123
619153	9	196/2LVDEDP	123
619154	6	196/2LVDEDP	123
619155	3	196/2LVDEDP	123
619156	0	196/2LVDEDP	123
619157	7	196/2LVDEDP	123
619158	4	196/2LVDEDP	123
619159	1	196/2LVDEDP	123
619160	7	196/2LVDEDP	123
619176	8	420/1VDEDP	127
619177	5	406/1VDEDP	126
619178	2	406/1VDEDP	126
619179	9	406/1VDEDP	126
619180	5	406/1VDEDP	126
619181	2	406/1VDEDP	126
619182	9	472/1VDEDP	129
619183	6	472/1VDEDP	129
619184	3	472/1VDEDP	129
619185	0	476/1VDEDP	129
619186	7	478/1VDEDP	132
619187	4	506/1VDEDP	130
619188	1	506/1VDEDP	130
619189	8	508/1VDEDP	131
619190	4	508/1VDEDP	131
619191	1	512/1VDEDP	131
619192	8	512/1VDEDP	131
619193	5	461/1VDEDP	128
619194	2	461/1VDEDP	128
619195	9	466/1VDEDP	129
619196	6	466/1VDEDP	129
619197	3	580/1VDEDP	132
619198	0	580/1VDEDP	132
619199	7	447/1VDEDP	127
619201	7	110/2VDEDP	122
619202	4	180/2VDEDP	122
619235	2	188H	56
619236	9	238H	63
619237	6	190H	69
619250	5	2077/2BI	308

619762	3	641/6HS	186
619763	0	641/6HS	186
619764	7	641/6HS	186
619765	4	917A	238
619767	8	917C	238
619768	5	981PBM1	241
619769	2	981PBM2	241
619770	8	981PBM3	241
619771	5	981PB4	241
619786	9	494/6	108
619787	6	494/6	108
619788	3	494/6	108
619789	0	494/6	108
619790	6	494/6	108
619791	3	494/6	108
619792	0	494/6	108
619805	7	192/2HXL	64
619806	4	192/2HXL	64
619807	1	192/2HXL	64
619836	1	197/2AHX	73
619837	8	197/2AHX	73
619838	5	197/2AHX	73
619839	2	197/2AHX	73
619840	8	197/2ATX	73
619841	5	197/2ATX	73
619842	2	197/2ATX	73
619843	9	197/2ATX	73
619844	6	197/2ATX	73
619845	3	192/2ZXL	65
619856	9	631B	135
619857	6	192/2TXL	65
619880	4	1301/6	297
619881	1	270A	270
619883	5	2085	302
619884	2	940EV1	208
619885	9	940EV4	209
619886	6	940EV6	209
619894	1	192/2HX	64
619895	8	192/2HX	64
619896	5	192/2HX	64
619899	6	192/2HX	64
619900	9	192/2HX	64
619901	6	192/2HX	64
619902	3	192/2HX	64
619904	7	192/2HX	64
619905	4	1997/1	76
619927	6	197MB4	75
619929	0	2087	303
619935	1	1375/6	297
619936	8	1376/6	298
619964	1	1514PB	257
619965	8	231/4PPB	78

620000

620066	8	641/6HSPB	186
620072	9	461/4E	90
620105	4	905BI	350
620106	1	905CR	350
620118	4	642/6HS	187
620172	6	447/1HPP	93
620176	4	647A	187
620177	1	647B	187
620178	8	646A	187
620207	5	117/4	26
620225	9	2209	306
620226	6	2210/2	178
620234	1	2089/2BI	303
620237	2	2091	304
620240	2	1945	305
620256	3	586/6	147
620257	0	192/2ZX	65
620258	7	192/2ZXL	65
620259	4	3000/6	281
620260	0	3001/6A	282
620261	7	3050/2BI	276
620262	4	3051/2BI	276
620267	9	1977/6	278
620268	6	1977/6	278
620269	3	1977/6	278
620270	9	3054/4	278
620271	6	3054/4	278
620272	3	3054/4	278
620273	0	3054/4	278
620274	7	3054/4	278
620275	4	3054/4	278
620276	1	3054/4	278
620277	8	3054/4	278
620278	5	3055/4A	276

620279	2	3055/4B	277
620280	8	3056/2	277
620281	5	3056/2	277
620282	2	3056/2	277
620286	0	3201/2	280
620296	9	3301/2	280
620297	6	3302/6	280
620298	3	3303/2	281
620399	7	636TX	161
620411	6	3600/2BI	283
620413	0	3401/2P	281
620416	1	940EV51	210
620417	8	940.1EV	210
620418	5	940EV54	210
620419	2	940EV57	210
620420	8	939/4EV	237
620421	5	447/4PHPP	94
620466	6	118/7	36
620467	3	118/7	36
620468	0	118/7	36
620469	7	118/7	36
620470	3	118/7	36
620471	0	118/7	36
620472	7	118/7	36
620473	4	118/7	36
620474	1	118/7	36
620475	8	118/7	36
620476	5	118/7	36
620477	2	118/7	36
620478	9	118/7	36
620479	6	118/7	36
620480	2	118/7	36
620481	9	118/7	36
620482	6	118/7	36
620485	7	118/7	36
620486	4	118/7	36
620487	1	118/7	36
620488	8	118/7	36
620490	1	118/7	36
620491	8	118/7	36
620492	5	118/7	36
620493	2	118/7	36
620494	9	184/7	36
620495	6	184/7	36
620496	3	184/7	36
620497	0	184/7	36
620498	7	184/7	36
620499	4	184/7	36
620500	7	184/7	36
620501	4	184/7	36
620502	1	184/7	36
620503	8	184/7	36
620504	5	184/7	36
620505	2	184/7	36
620506	9	184/7	36
620507	6	184/7	36
620508	3	184/7	36
620509	0	184/7	36
620510	6	184/7	36
620511	3	184/7	36
620512	0	184/7	36
620513	7	184/7	36
620515	1	184/7	36
620516	8	184/7	36
620518	2	184/7	36
620519	9	184/7	36
620520	5	184/7	36
620521	2	184/7	36
620522	9	184/7	36
620523	6	184/7	36
620525	0	184/7	36
620526	7	184/7	36
620527	4	184/7	36
620528	1	184/7	36
620529	8	184/7	36
620530	4	184/7	36
620531	1	184/7	36
620533	5	184/7	36
620534	2	184/7	36
620535	9	184/7	36
620536	6	184/7	36
620537	3	184/7	36
620538	0	184/7	36
620539	7	184/7	36
620541	0	184/7	36
620542	7	184/7	36
620543	4	184/7	36
620544	1	184/7	36

620545	8	184/7	36
620546	5	184/7	36
620547	2	184/7	36
620548	9	184/7	36
620556	4	939/3EV	237
620557	1	445/1BI	96
620558	8	445/4G	96
620581	6	176CS6	38
620582	3	176CS11	38
620583	0	177CS6	39
620584	7	177CS11	39
620653	0	586.1/7	148
620654	7	586.1/7	148
620655	4	586.1/7	148
620818	3	197/2AZX	73
620820	6	186.4/2	57
620821	3	178/2	31
620822	0	178/2	31
620823	7	178/2	31
620824	4	178/2	31
620825	1	178/2	31
620826	8	178/2	31
620827	5	178/2	31
620828	2	178/2	31
620829	9	178/2	31
620830	5	178/2	31
620831	2	178/2	31
620835	0	178/2	31
620836	7	178/2	31
620840	4	178.1/2	31
620841	1	178.1/2	31
620842	8	178.1/2	31
620843	5	178.1/2	31
620858	9	188.13	56
620938	8	206.1	46
620941	8	642NPB	188
620942	5	642NPB	188
620943	2	642NPB	188
620945	6	642LPB	187
620946	3	642LPB	187
620947	0	642LPB	187
620948	7	2209	306
620949	4	1977/6	278
620950	0	1977/6	278
620951	7	1977/6	278
620959	3	606CS5E	164
620960	9	607CS7E	164
620961	6	621CS7E	164
620962	3	608CS5E	164

621000

621019	3	920ES7	207
621042	1	1945.1	305
621049	0	964/1SOS	334
621050	6	964/1ASOS	334
621051	3	964/2SOS	334
621052	0	964/2ASOS	334
621053	7	964/2BSOS	334
621054	4	964/2CSOS	334
621055	1	964/3SOS	335
621056	8	964/4SOS	335
621057	5	964/5SOS	335
621058	2	964/6SOS	336
621059	9	964/7SOS	336
621061	2	964/8ASOS	336
621062	9	964/9SOS	336
621063	6	964/9BSOS	337
621064	3	964/10SOS	337
621067	4	964/13SOS	337
621068	1	964/13ASOS	337
621069	8	964/14SOS	338
621070	4	964/15SOS	338
621071	1	964/16SOS	338
621072	8	964/17SOS	338
621073	5	964/18ASOS	338
621074	2	964/18BSOS	338
621075	9	964/19SOS	339
621077	3	964/22SOS	339
621079	7	964/24SOS	339
621080	3	964/25SOS	339
621081	0	964/26BSOS	340
621082	7	964/26 1/2SOS	340
621083	4	964/26SSOS	340
621084	1	964/27SOS	340
621185	5	964/5512SOS	336
621186	2	964/19512SOS	339
621187	9	532PLUS/1DP	101
621188	6	532PLUS/1DP	101

621189	3	532PLUS/1DP	101
621190	9	532PLUS/1DP	101
621195	4	534PLUS/1DP	101
621196	1	534PLUS/1DP	101
621197	8	534PLUS/1DP	101
621198	5	534PLUS/1DP	101
621203	6	536PLUS/1DP	102
621204	3	536PLUS/1DP	102
621205	0	536PLUS/1DP	102
621206	7	536PLUS/1DP	102
621211	1	538PLUS/1DP	102
621212	8	538PLUS/1DP	102
621213	5	538PLUS/1DP	102
621214	2	538PLUS/1DP	102
621247	0	603VDETB1	133
621248	7	603VDETB1	133
621283	8	6472C6,3	166
621284	5	6472C6,3	166
621285	2	6472C6,3	166
621287	6	964ECO2	346
621288	3	964ECO2A	346
621290	6	964ECO5	347
621291	3	964ECO6	347
621292	0	964ECO9	347
621294	4	964ECO19	347
621295	1	964ECO26 1/2S	347
621376	7	193NTX	37
621387	3	964/28SOS	340
621389	7	964/30SOS	341
621390	3	964/31SOS	341
621391	0	964/32SOS	342
621392	7	964/33SOS	342
621393	4	964/34SOS	343
621394	1	964/35SOS	343
621395	8	964/36SOS	343
621396	5	964/37SOS	343
621397	2	1011A	325
621398	9	1011B	326
621407	8	188BI6P36	57
621419	1	607PB9TBI	158
621426	9	982PB2	240
621436	8	940EV3	208
621437	5	1301.1/4	297
621438	2	1301.1/4	297
621439	9	1301.1/4	297
621440	5	1301.1/4	297
621441	2	1301.1/4	297
621442	9	940.1H	206
621445	0	607PB8TBI	158
621448	1	990T	216
621452	8	1506KZ10	260
621453	5	1506KZ10	260
621454	2	1506KZ10	260
621455	9	1507Z10	260
621456	6	1507Z10	260
621457	3	1507Z10	260
621459	7	232PB1	80
621473	3	1503P	260
621474	0	981K1/2R	240
621479	5	586/6	147
621480	1	586.1/7	148
621481	8	721/6	288
621482	5	721Q/6	288
621483	2	721.1/6	289
621525	9	714	269
621531	0	750B	290
621532	7	750.1B	290
621533	4	352/6PB	299
621534	1	352.1/6	299
621535	8	352.2	299
621536	5	352.2	299
621537	2	352.2	299
621538	9	352.2	299
621539	6	352.2	299
621540	3	352.2	299
621541	9	352.2	299
621542	6	352.2	299
621543	3	352.2	299
621544	0	352.2	299
621545	7	352.2	299
621546	4	352.2	299
621547	1	352.2	299
621548	8	352.3	300
621549	5	352.3	300
621550	1	427/4AG	98
621550	1	427/4AG	98
621552	5	427/4CG	116
621552	5	427/4CG	116



622629	3	188H6LP9	56
622634	7	190H12P15IN	69
622635	4	190H12P15	69
622636	1	190H12LP7	69
622671	2	949	242
622672	9	949.1	242
622673	6	949.2	242
622693	4	VL911N6SOS	351
622694	1	911VSOS	237
622698	9	VL911N12SOS	351
622705	4	586.2/4	148
622815	0	2213/2BI	268
622816	7	955IND1	243
622818	1	160/2	34
622819	8	160/2	34
622820	4	160/2	34
622821	1	160/2	34
622822	8	160/2	34
622823	5	160/2	34
622824	2	160/2	34
622825	9	160/2	34
622826	6	160/2	34
622827	3	160/2	34
622828	0	160/2	34
622829	7	160/2	34
622831	0	160/2	34
622832	7	160/2	34
622834	1	160/2	34
622837	2	161/2	35
622839	6	161/2	35
622841	9	161/2	35
622842	6	161/2	35
622843	3	161/2	35
622844	0	161/2	35
622845	7	161/2	35
622846	4	161/2	35
622847	1	161/2	35
622848	8	161/2	35
622849	5	161/2	35
622850	1	161/2	35
622851	8	170/2	35
622852	5	170/2	35
622853	2	170/2	35
622854	9	170/2	35
622856	3	170/2	35
622857	0	170/2	35
622858	7	170/2	35
622859	4	170/2	35

## 623000

623080	1	160/2CB	34
623081	8	161/2CB	34
623082	5	170/2CB	35
623083	2	722.1/7	289
623084	9	722.1AL	289
623089	4	689.1/4	177
623089	4	689.1/4	281
623090	0	689.1/4	177
623090	0	689.1/4	281
623091	7	689.1/4	177
623091	7	689.1/4	281
623092	4	689.1/4	177
623092	4	689.1/4	281
623093	1	689.1/4	177
623093	1	689.1/4	281
623094	8	689.1/4	177
623094	8	689.1/4	281
623121	1	586.3/7	148
623141	9	192/2HX	64
623142	6	192/2HX	64
623186	0	3301/2	280
623187	7	3057/2	279
623188	4	3057.1/2	280
623215	7	3058/2	277
623216	4	3058/2	277
623217	1	3058/2	277
623219	5	3059	277
623220	1	3200/2BI	279
623238	6	193HX	40
623246	1	3305/2	281
623341	3	629VDETBI	134
623342	0	629VDETBI	134
623346	8	997.4	246
623347	5	997.4	246
623348	2	997.4	246
623349	9	997.4	246
623364	2	619E	164
623445	8	629VDETBI	134

623709	1	160/2CS	34
623710	7	161/2CS	35
623907	1	630VDE140ST	135
623928	6	1011D	327
623932	3	964/29ASOS	341
623936	1	964/32ASOS	342
623942	2	1012A	331
623947	7	1015A	333
623981	1	1300ST	297
623987	3	964/46SOS	344
623988	0	964/47SOS	344
623989	7	964/48SOS	344
623990	3	964/49SOS	345
623991	0	964/50SOS	345
623992	7	964/51SOS	345
623993	4	964/52SOS	346
623995	8	964/53SOS	346

## 624000

624033	6	192/2HX	64
624034	3	192/2HX	64
624050	3	6778FBS1	169
624051	0	6778FBS2	169
624053	4	6715E6.3	168
624057	2	909PES	244
624058	9	909/1PES	244
624059	6	462/1BI	90
624059	6	462/1BI	113
624060	2	462/1VDEBI	128
624061	9	462/1VDEDP	128
624062	6	462/4G	90
624063	3	604VDETBI	132
624064	0	604VDETBI	132
624065	7	604VDETBI	132
624071	8	611VDETBI	133
624072	5	611VDETBI	133
624137	1	1011CEV4	328
624138	8	1011DEV6	327
624225	5	3054.1/4	278
624226	2	3054.1/4	278
624227	9	3054.1/4	278
624228	6	3054.1/4	278
624300	9	3001/6B	282
624325	2	3000.1	282
624326	9	3001.1	282
624327	6	3001.2	282
624328	3	3001.3	282
624342	9	215.1/2	39

## 625000

625000	7	940EV4BLOCK	209
625166	0	190VDE12P11L	125
625332	9	964/55SOS	346
625334	3	964/56SOS	346
625355	8	188.1/1BBI	54
625356	5	638TBI6.3	165
625393	0	188.4/2	55
625585	9	VL990WD1	232
625586	6	VL990WD2	232
625587	3	VL990WD3	233
625588	0	VL990WD4	233
625589	7	VL990ND1	231
625590	3	VL990ND2	232
625591	0	VL990ND3	232
625592	7	VL990ND4	232
625594	1	1011FPLUS1	329
625595	8	1011GECCO	330
625610	8	385CVDEDP	137
625618	4	VL990WD	232
625619	1	VL990WD	231
625620	7	990WD6	222
625621	4	990WD8	222
625622	1	990ND6	225
625623	8	990ND8	226
625624	5	990NDD2	226
625625	2	990WDD2	222
625626	9	990NDH4	226
625627	6	990NDH	226
625628	3	990L	227
625629	0	990LA	227
625630	6	990TW	228
625631	3	990TW	228
625632	0	990TW	228
625633	7	990TWS	228
625634	4	990TWS	228
625635	1	990TWS	228
625636	8	990C	228
625637	5	990C	228

625638	2	990C	228
625639	9	990WDP	222
625640	5	990NDP	226
625641	2	990WDU	222
625642	9	990WDU	222
625643	6	990NDU	226
625644	3	990NDU	226
625646	7	990PNE	223
625648	1	990SL	229
625649	8	990SR	230
625650	4	990SM	230
625652	8	990B	229
625653	5	990B	229
625654	2	990B	229
625655	9	990BIN	224
625656	6	990HPC	231
625657	3	990HPC	231
625658	0	990HPC	231
625660	3	990HPB	230
625661	0	990HPB	230
625662	7	990HPB	230
625663	4	990HL	231
625664	1	990HL	231
625665	8	990HL	231
625666	5	990LIGHT	231
625667	2	990LIGHT	231
625668	9	990CA	229
625669	6	946CWR	229
625671	9	990LIGHT	231
625672	6	990SHELF	230
625673	3	990SHELF	230
625674	0	990SHELF	230
625675	7	125/1CT	30
625732	7	964/27ASOS	340
625741	9	187/2HX	52
625742	6	990WDU	222
625743	3	990NDU	226
625745	7	990NCA	228
625748	8	PB.990HPB	230
625749	5	PB.990HPB	230
625750	1	PB.990HPB	230
625751	8	990MA1	217
625752	5	990MB2	221
625753	2	990MA3	217
625754	9	990MC4	221
625755	6	990MC5	221
625756	3	990MA6	217
625757	0	990MA7	217
625758	7	990MC8	221
625759	4	990MC9	221
625760	0	990MA10	217
625761	7	990MA11	220
625954	3	h.f990pb	235
625955	0	h.f990lap	235
625956	7	h.f990tab	235
625957	4	h.f990un	235

## 626000

626000	6	940EV7BLOCK	210
626076	1	120/1-H	312
626077	8	120/1-H	312
626078	5	120/1-H	312
626079	2	120/1-H	312
626080	8	120/1-H	312
626081	5	120/1-H	312
626082	2	120/1-H	312
626083	9	120/1-H	312
626084	6	120/1-H	312
626085	3	120/1-H	312
626086	0	120/1-H	312
626087	7	120/1-H	312
626088	4	120/1-H	312
626089	1	120/1-H	312
626090	7	120/1-H	312
626091	4	120/1-H	312
626092	1	120/1-H	312
626093	8	120/1-H	312
626094	5	120/1-H	312
626095	2	120/1-H	312
626096	9	120/1-H	312
626097	6	120/1-H	312
626098	3	120/1-H	312
626099	0	120/1-H	312
626100	3	120/1-H	312
626101	0	120/1-H	312
626103	4	190.4/1-H	314
626104	1	190.4/1-H	314
626106	5	250/1-H	312

626107	2	250/1-H	312
626108	9	250/1-H	312
626109	6	250/1-H	312
626110	2	425/4B-H	318
626111	9	481/6-H	319
626113	3	492/6-H	319
626117	1	120/1-H	312
626118	8	120/1-H	312
626119	5	492AL-H	319
626120	1	492AL-H	319
626143	0	190/1 12p-H	313
626144	7	190/1 12p-H	313
626145	4	190/1 12p-H	313
626146	1	190/1 12p-H	313
626147	8	190/1 12p-H	313
626148	5	190/1 12p-H	313
626149	2	190/1 12p-H	313
626150	8	190/1 12p-H	313
626151	5	190/1 12p-H	313
626152	2	190/1 12p-H	313
626153	9	190/1 12p-H	313
626154	6	190/1 12p-H	313
626155	3	190/1 12p-H	313
626156	0	190/1 12p-H	313
626157	7	190/1 12p-H	313
626158	4	190/1 12p-H	313
626159	1	190/1 12p-H	313
626160	7	190/1 12p-H	313
626161	4	179/2-H	312
626162	1	250/1-H	312
626163	8	429/3-H	319
626164	5	805A-H	320
626166	9	990ND6-BLACK	225
626167	6	990NDD2-BLACK	226
626174	4	120/1-H	312
626176	8	120/1-H	312
626177	5	193HX-H	313
626178	2	193HX-H	313
626180	5	193HX-H	313
626181	2	358/6A	290
626182	9	193HX-H	313
626183	6	193HX-H	313
626184	3	193HX-H	313
626185	0	193HX-H	313
626186	7	193HX-H	313
626187	4	360/6A	291
626188	1	360/6B	291
626189	8	508/1B1-H	316
626190	4	361/6A	291
626191	1	358.1/7A	291
626192	8	512/1B1-H	316
626193	5	361.1/7A	291
626195	9	660/6H5-H	321
626196	6	666/6AH5-H	321
626201	7	455/1B1-H	315
626202	4	508/1B1-H	318
626203	1	190/1 12p-H	313
626204	8	190/1 12p-H	313
626205	5	190/1 12p-H	313
626206	2	190/1 12p-H	313
626207	9	190/1 12p-H	313
626208	6	190/1 12p-H	313
626209	3	190/1 12p-H	313
626210	9	190/1 12p-H	313
626211	6	190/1 12p-H	313
626212	3	190/1 12p-H	313
626213	0	190/1 12p-H	313
626214	7	190/1 12p-H	313
626215	4	190/1 12p-H	313
626216	1	190/1 12p-H	313
626217	8	190/1 12p-H	313
626218	5	190/1 12p-H	313
626219	2	190/1 12p-H	313
626232	1	220/3MH-H	313
626233	8	605TBI-H	319
626234	5	605TBI-H	319
626235	2	605TBI-H	319
626236	9	605TBI-H	319
626237	6	605TBI-H	319
626238	3	605TBI-H	319
626239	0	605TBI-H	319
626241	3	615TBI-H	319
626242	0	615TBI-H	319
626243	7	615TBI-H	319
626244	4	442/1HYPO-H	317
626245	1	190.1/1ABI-H	314
626249	9	363A	292
626250	5	940JUMBO3	198

626765	4	263	266
626766	1	263	266
626767	8	263	266
626800	2	940H2BLOCK	205
626881	1	940H55	206
626882	8	940.2H	206
626958	0	405/1B-H	314
626959	7	405/1B-H	314
626960	3	466/1B-H	315
626961	0	466/1B-H	315
626962	7	512/1B-H	316
626963	4	406/1VDP-H	314
626964	1	466/1VDP-H	315

627000			
627001	2	160/2CT	34
627002	9	161/2CT	35
627012	8	1016B	333
627052	4	990WDU	222
627053	1	990NDU	226
627057	9	990AD1	221
627059	3	990WD6LC100	222
627061	6	990ND6LC100	225
627068	5	h.990.BAT	233
627069	2	h.990.WRE	234
627070	8	h.990.PLI	234
627071	5	h.990.HAM	233
627072	2	h.990.SCR	234
627073	9	h.990.TAB	234
627074	6	h.990.PAP	234
627088	3	990CAU	228
627089	0	990CAU	228
627090	6	990CAU	228
627200	9	190/1/1LG	67
627201	6	2091A	304
627205	4	190B12P15	71
627332	7	1107	321
627333	4	1108DS	321
627334	1	1108DB	321
627335	8	1108DD	321
627336	5	1109	318
627337	2	1109	318
627338	9	1110	318
627339	6	1111	314
627351	8	940T	216
627371	6	990.MD	236
627379	2	PB.990HPBMOD	236
627380	8	PB.990HPBMOD	236
627381	5	PB.990HPBMOD	236
627382	2	PB.990HPBMOD	236
627383	9	PB.990HPBMOD	236
627384	6	PB.990HPBMOD	236
627385	3	BASE.990MOD	236
627387	7	990.PNE	233
627388	4	990.PNE1	233
627395	2	SET.PB.990HPBMOD	236
627530	7	516/4	283
627531	4	940E7	213
627533	8	469SHARK/4ADP	88
627533	8	469SHARK/4ADP	114
627542	0	817-H	320
627543	7	812-H	320
627544	4	990MA14	220
627545	1	990MA15	220
627548	2	556A	296
627549	9	556A	296
627550	5	556.1A	297
627551	2	556.1A	297
627565	9	1522	250
627566	6	1532	250
627567	3	1552	251
627568	0	1563	252
627569	7	1564	253
627570	3	1566	253
627571	0	1573	254
627573	4	BASE.990MOD	236
627574	1	BASE.990MOD	236
627575	8	266	266
627576	5	266	266
627577	2	266	266
627604	5	SET990.MD	236
627607	6	990MA16	220
627655	7	990MA17	220
627656	4	990MA18	221
627688	5	990WDU-BLACK	222
627689	2	990NDU-BLACK	227
627690	8	990SR-BLACK	230
627691	5	990SM-BLACK	230

627694	6	990SL-BLACK	229
627804	9	h.990.PIN	234

628000			
628099	8	266INS.1	266
628100	1	266INS.1	266
628101	8	266INS.1	266
628102	5	266INS.1	266
628103	2	266INS.2	266
628104	9	266INS.2	266
628105	6	266INS.3	266
628106	3	266INS.3	266
628107	0	266INS.3	266
628108	7	266INS.3	266
628109	4	266INS.3	266
628110	0	266INS.3	266
628111	7	266INS.3	266
628112	4	266INS.3	266
628113	1	266INS.3	266
628114	8	266INS.3	266
628115	5	266INS.3	266
628116	2	266INS.3	266
628149	0	990TW1	228
628162	9	1112	244
628163	6	1113	244
628201	5	990BA	229
628202	2	990LB	228
628203	9	990BA1	229
628207	7	940.1T	217
628210	7	990S1	230
628212	1	940H2-BLACK	206
628213	8	940E4/1L-BLACK	212
628215	2	994-BLACK	203
628257	2	991HD	199
628266	4	991.1HDS	199
628267	1	991.1HDS	199
628268	8	991.12HDS	199
628269	5	991.13HDS	199
628270	1	991.2HDS	199
628271	8	991.21HDS	200
628272	5	991.22HDS	200
628273	2	991.23HDS	200
628371	5	994W	204
628372	2	994WD	204
628373	9	994.1	204
628540	5	991LMS.T1	200
628541	2	991LMS.C1	202
628542	9	991LMS.C2	202
628543	6	991LMS.PS1	203
628544	3	991LMS.S1	203
628585	6	990WD7	222
628800	0	407/4DP	87
628803	1	3202/1P	279
628809	3	990PNE-BLACK	224
628810	9	990BIN-BLACK	224
628813	0	1h.GENERAL-MAGN.	236
628815	4	819A	185
628819	2	1018A	333
628822	2	1013C	333
628824	6	991HDBASE	199
628931	1	940JUMB01	196
628932	8	940JUMB02	197
628977	9	3700MX PROKIT	284

629000			
629302	8	820B	283



# Product number index

category number								
↓								
110/1	1	24	188.1/1BBI	2	54	192/14INCH	2	66
110/1CB	1	24	188.1/1FBI	2	54	192/15	2	66
110/1CS	1	25	188.2/2BI	2	54	192/16	2	66
110/1CT	1	25	188.3/2	2	54	192/17	2	66
110/1PB	1	25	188.4/2	2	55	192/2HX	2	64
110/1MS	1	25	188.4/2F	2	55	192/2HXL	2	64
110/2VDEDP	5	122	188.4/2S	2	55	192/2HXVDEDP	5	124
110/2VDEDP	5	122	188.6/2	2	55	192/2TX	2	65
110/2VDEDP	5	122	188.7/2	2	55	192/2TXL	2	65
112/2	1	26	188.8	2	55	192/2ZX	2	65
114/2	1	26	188.9	2	55	192/2ZXL	2	65
114/2PB	1	26	188.10	2	56	193HX	1	40
117/4	1	26	188.10A	2	56	193HXC	1	40
118/7	1	36	188.13	2	56	193HXC	1	41
120/1	1	27	188B	2	56	193HXS	1	41
120/1CB	1	28	188BI	2	57	193HXS	1	41
120/1CS	1	28	188BI6P16INCH	2	57	193HX-H	15	313
120/1CT	1	29	188BI12P16	2	57	193N	1	37
120/1MS	1	29	188BI12P16INCH	2	57	193NTX	1	37
120/1-H	15	312	188BI6P36	2	57	193TX	1	41
125/1	1	29	188C	2	56	193TXCB	1	41
125/1CB	1	29	188H	2	56	193TXCS	1	41
125/1CS	1	30	188H1	2	56	196/2LVDEDP	5	123
125/1CT	1	30	188H6P12	2	56	197/1 6p	2	72
125/1MS	1	30	188H6LP9	2	56	197/1 6p	2	72
129/1	1	30	189/2	2	53	197/1 12p	2	73
129/1CB	1	31	189/2	2	53	197/2AHX	2	73
129/1CS	1	31	190-6P17	2	72	197/2ATX	2	73
135/2	1	27	190/1 6p	2	63	197/2AZX	2	73
160/2	1	34	190/1 12p	2	63	197.1/1	2	73
160/2CB	1	34	190/1 12p-H	15	313	197.3/1	2	74
160/2CS	1	34	190/1L12p	2	64	197.4/1	2	74
160/2CT	1	34	190/2VDEDP	5	124	197.6/1	2	74
160/2-H	15	312	190/2LVDEDP	5	124	197.7/1	2	74
161/2	1	35	190.1/1ABI	2	67	197MB1	2	74
161/2CB	1	34	190.1/1FBI	2	66	197MB2	2	74
161/2CS	1	35	190.1/1LG	2	67	197MB3	2	75
161/2CT	1	35	190.2/1BI	2	68	197MB4	2	75
170/2	1	35	190.3/1	2	68	199/1 6p	2	74
170/2CB	1	35	190.4/1	2	68	199/1 12p	2	75
175/2	1	46	190.4/2	2	68	199.1/1	2	75
176	1	38	190.4/1S	2	68	199.3/1	2	75
176	1	38	190.5/2	2	68	199.4/1	2	76
176	1	38	190.6/2	2	68	199.6/1	2	76
176CB	1	38	190.7/2	2	68	199.7/1	2	76
176CS6	1	38	190.9/2ABI	2	68	199MB1	2	76
176CS11	1	38	190.9/2BI	2	69	200/2	1	46
177	1	38	190.10	2	69	200/2CB	1	46
177CB	1	39	190.1AVDEDP	5	124	202/1	1	37
177CS6	1	39	190.1VDE	5	125	202/1CT	1	37
177CS11	1	39	190.4/2VDEDP	5	125	205/2	1	46
178/2	1	31	190.5/2VDEDP	5	125	205.1	1	46
178.1/2	1	31	190.1/1ABI-H	15	314	206/2	1	46
179/2	1	31	190.4/1-H	15	314	206.1	1	46
179/2-H	15	312	190BI6P14	2	70	210/2	1	45
180/1	1	32	190BI6P17	2	70	212/2	1	45
180/1CB	1	32	190BI6P22IN	2	70	213/6	1	45
180/1CS	1	32	190BI6P23	2	70	215/2	1	39
180/1MS	1	32	190BI6P24	2	70	215/2CB	1	39
180/2VDEDP	5	122	190BI6P28	2	70	215.1/2	1	39
180/2VDEDP	5	123	190BI6P43	2	71	216/1	1	39
182/2A	1	33	190BI12P15	2	71	216/1CB	1	40
182/2ACB	1	33	190BI12P23	2	71	216.1	1	40
182/2BTX	1	33	190BI12P23IN	2	71	217/2	1	40
183/2	1	33	190BI12P24	2	72	220/3	1	41
183/2CB	1	34	190BIHX1P20	2	72	220/3PB	1	42
183/2CT	1	34	190BITX1P22	2	72	220/3PB1	1	42
184/7	1	36	190H	2	69	220/3PH	1	42
184/7-H	15	313	190H1	2	69	220/3MH	1	43
185/2	1	46	190H12P15	2	69	220/3L	1	43
186.4/2	2	57	190H12P15IN	2	69	220/3LPB2	1	43
186.4/2A	2	57	190H12LP7	2	69	220/3LPH	1	43
187/2HX	2	52	190VDE6P10	5	125	220/3LVDEDP	5	123
187/2PH	2	52	190VDE6P11A	5	125	220/3MH-H	15	313
187/2SL	2	52	190VDE12P11L	5	125	220/3S	1	43
187/2TX	2	52	190VDEDP6P13B	5	126	220/3SFH	1	44
188/2 6p	2	52	191/1	2	64	220/3SPB1	1	44
188/2 12p	2	53	191MB1	2	64	220/3SPH	1	44
188/2L6p	2	53	192/12	2	65	220/3SL	1	44
188.1/1ABI	2	53	192/14	2	66	220/3SLPB2	1	44

220/3SLPH	1	44	266INS.1	12	266	447/1	3	95	536/1P	3	101	607CS7CR	7	158
220/7TX	1	44	266INS.2	12	266	447/1BI	3	95	536PLUS/1DP	3	102	607CS7TBI	7	158
220/7TXPH	1	44	266INS.3	12	266	447/1HPP-H	15	318	536PLUS/1DP-H	15	317	607CS7E	7	164
220/7TXN	1	45	270A	12	270	447/1VDEBI	5	127	538/1P	3	102	607PB8TBI	7	158
220/7TXNFH	1	45	271	12	271	447/1VDEDP	5	127	538PLUS/1DP	3	102	607PB9TBI	7	158
220/7TXNPH	1	45	272	12	271	449/1PYTHON	3	94	539/1PCT	3	102	608CS5CR	7	158
220FH	1	42	280	12	268	449.1	3	94	539PLUS/1DPCT	3	103	608CS5NI	7	159
220TV	5	123	300/2	14	296	455/1BI	3	91	542/4PR	6	151	608CS5TBI	7	159
220TV4PB	5	123	300/2A	14	296	455/1BI-H	15	315	550/3PR	6	151	608CS5E	7	164
230/4 6p	2	76	300/2C	14	296	455/4G	3	91	550.2/9	6	151	609CS5TBI	7	159
230.4/4	2	76	300/6B	14	296	461/1BI	3	89	555/6	6	151	609CS7CR	7	159
230.6/4	2	76	300CCB	14	296	461/1BI	4	112	555.1/9	6	151	611VDETBI	5	133
230.7/4	2	77	352/6PB	14	299	461/1VDEBI	5	128	556.1A	14	297	612CR	7	159
230.8/4	2	77	352.1/6	14	299	461/1VDEDP	5	128	556.1B	14	297	613VDE	5	133
231/4 6p	2	77	352.2	14	299	461/4E	3	90	556A	14	296	613VDETBI	5	133
231/4AHX	2	78	352.3	14	300	461/4G	3	90	556A-H	15	321	615CR	7	159
231/4ATX	2	78	358/6A	14	290	461/4P	3	90	556B	14	296	615E	7	164
231/4L6p	2	77	358.1/7A	14	291	462/1BI	3	90	558/5P	3	106	615NI	7	160
231/4P	2	77	360/6A	14	291	462/1BI	4	113	563L-PLUS/7DP	6	144	615TBI	7	159
231/4PB1	2	78	360/6B	14	291	462/4G	3	90	563L/7PR	6	144	615TBI-H	15	319
231/4PB2	2	79	361/6A	14	291	462/1VDEBI	5	128	563R-PLUS/7DP	6	144	616CR	7	160
231/4PB3	2	79	361.1/7A	14	291	462/1VDEDP	5	128	563R/7PR	6	144	616TBI	7	160
231/4PB4	2	79	363A	14	292	466/1BI	3	91	567R/7P	6	145	619E	7	164
231/4PPB	2	78	380	3	100	466/1BI	4	113	568L/7P	6	145	620/1CR	7	162
231/4PL	2	78	385AVDEDP	5	136	466/1VDEBI	5	129	568R/7P	6	145	620CS6VDETBI	5	136
231/4TX	2	78	385CVDEDP	5	137	466/1VDEDP	5	129	569R/7P	6	145	620TBI	7	162
231.4/4	2	79	385G	3	100	466/1BI-H	15	315	572L/7PR	6	144	620VDETBI	5	134
231.6/4	2	79	385G	4	115	466/1VDP-H	15	315	573/7P	6	145	621/1TBI	7	163
231.7/4	2	79	385H	3	100	466/4G	3	91	580/1BI	4	112	621/1CS7TBI	7	163
231.8/4	2	79	385H	4	115	467SHARK/4DP	3	88	580/1BI	6	146	621CS6VDETBI	5	136
232/4 6p	2	79	385VDEDP	5	137	467SHARK/4DP	4	114	580/1VDEBI	5	132	621CR	7	162
232/4L6p	2	79	400	3	107	469SHARK/4ADP	3	88	580/1VDEDP	5	132	621CS7CR	7	162
232.4/4	2	80	402A	3	86	469SHARK/4ADP	4	113	580/1BI-H	15	318	621CS7TBI	7	162
232.6/4	2	80	402B	3	86	469SHARK/4DP	3	89	582/3P	4	114	621CS7E	7	164
232.7/4	2	80	405/1BI	3	86	469SHARK/4DP	4	114	582/3P	6	146	621E	7	164
232.8/4	2	79	405/1BI-H	15	314	472/1BI	3	92	583/6	4	114	621TBI	7	162
232PB1	2	80	405/4G	3	86	472/1VDEBI	5	129	583/6	6	146	621VDETBI	5	134
233/4 6p	2	80	406/1BI	3	86	472/1VDEDP	5	129	583.1/7A	6	146	623VDE	5	134
233/4L6p	2	80	406/1VDEBI	5	126	472/4G	3	93	583.1/7B	6	146	623VDETBI	5	134
233.4/4	2	80	406/1VDEDP	5	126	476/1BI	3	93	585/6	4	112	625CR	7	161
233.6/4	2	81	406/1VDP-H	15	314	476/1VDEBI	5	129	585/6	6	146	625E	7	165
233.7/4	2	81	406/4G	3	87	476/1VDEDP	5	129	585/6P	6	146	625NI	7	161
233.8/4	2	81	407/4DP	3	87	478/1BI	3	97	585.1/7	4	112	625TBI	7	161
234/4 6p	2	81	420/1BI	3	87	478/1BI	4	115	585.1/7	6	146	626CR	7	160
234.4/4	2	81	420/1VDEBI	5	127	478/1VDEBI	5	132	585.1/7P	6	146	626TBI	7	160
234.6/4	2	81	420/1VDEDP	5	127	478/1VDEDP	5	132	586/6	6	147	627CR	7	157
234.7/4	2	81	424/4P	3	97	478/4G	3	97	586.1/7	6	148	627TBI	7	157
234.8/4	2	81	424/4P	4	117	480/6	3	107	586.2/4	6	148	628CR	7	162
236/2HX	2	58	425/4AB	3	98	481/6	3	107	586.3/7	6	148	628TBI	7	161
236/2HXL	2	58	425/4AB	4	117	481/6-H	15	319	592R-PLUS/7DP	6	144	629CS6VDETBI	5	136
236/2PH	2	58	425/4A	3	97	482/6	3	107	592R/7PR	6	145	629CR	7	163
236/2SL	2	58	425/4A	4	117	484/6	3	108	596/6A	6	149	629CS5TBI	7	163
236/2TX	2	58	425/4B	3	98	487/2P	3	108	596/6B	6	150	629CS7CR	7	163
236/2ZX	2	58	425/4B	4	117	492/6	3	108	596.1PLUS/7	6	148	629TBI	7	163
237/1	2	59	425/4B-H	15	318	492/6-H	15	319	596.2PLUS/7	6	149	629VDETBI	5	134
238/1 6p	2	59	427/4AG	3	98	492AL	3	108	596.3PLUS/7	6	149	630VDE	5	134
238/1 12p	2	59	427/4AG	4	116	492AL-H	15	319	596.1/7A	6	150	630VDE140ST	5	135
238/1L6p	2	60	427/4CG	3	98	494/6	3	108	596.1/7B	6	150	631	5	135
238.1/1ABI	2	60	427/4CG	4	116	506/1BI	3	91	596PLUS/6G	6	148	631B	5	135
238.1/1ALBI	2	60	427/4DG	3	99	506/1VDEBI	5	130	598/6	6	150	633	7	165
238.1/1FBI	2	60	427/4DG	4	116	506/1VDEDP	5	130	598.1/7	6	150	636	7	161
238.2/1BI	2	61	427/2FG	3	99	506/4G	3	91	600CR	7	156	636A	7	161
238.3/1	2	61	427/2FG	4	116	508/1BI	3	92	600CS5TBI	7	156	636PH	7	161
238.4/2	2	61	428/4	3	99	508/1VDEBI	5	130	600TBI	7	156	636PL	7	161
238.4/1	2	61	428/4	4	117	508/1VDEDP	5	131	602TBI	7	156	636TX	7	161
238.4/15	2	61	428/4AGPB	3	100	508/1BI-H	15	316	603CS6AVT	5	135	638TBI6,3	7	165
238.5/2	2	61	428/4AGPB	4	117	508/4G	3	92	603CS6ATVD	5	135	639A	14	298
238.6/1	2	61	429/3	3	104	512/1BI	3	92	603CS6ATVT	5	135	639B	14	298
238.7/1	2	61	429/3-H	15	319	512/1VDEBI	5	131	603CS6AVDE	5	135	639C	14	299
238H	2	63	430/3	3	104	512/1VDEDP	5	131	603CS6TVDE	5	136	639D	14	299
238H1	2	63	431/2	3	107	512/1BI-H	15	316	603CS6TVDETBI	5	136	639PB	14	299
239A	2	62	432/3A	3	105	512/4G	3	92	603CS6VDE	5	136	640/6	9	186
239A12P24	2	62	432/3C	3	105	514/1BI	3	96	603CS6VDETBI	5	136	641/6	9	186
239C	2	62	434/3A	3	105	514/1BI-H	15	316	603VDE	5	133	641/6HS	9	186
239D	2	63	434/3B	3	105	516/4	13	283	603VDETBI	5	133	641/6HSPB	9	186
250/1	1	27	434/3C	3	105	528/4BP	3	106	604VDETBI	5	132	641/6HS-H	15	320
250/1ADP	1	27	434/3D	3	106	529/4P	3	104	605CR	7	157	642/6	9	187
250/1VDP	5	122	436/4P	3	106	529/4PR	3	104	605E	7	163	642/6HS	9	187
250/1-H	15	312	441/4P	3	95	530/4	3	103	605NI	7	157	642/6HS-H	15	321
251/4	1	27	441/7PR	3	95	530/4P	3	103	605TBI	7	156	642A	9	187
254	1	36	442/1HYPO	3	94	531/4	3	103	605TBI-H	15	319	642LPB	9	187
255/2	1	36	442/1HYPO-H	15	317	531/4P	3	104	606B5NI	7	157	642NPB	9	188
255/2CT	1	37	445/1BI	3	96	531/4PR	3	104	606CS5CR	7	157	645	9	187
255/2F	1	37	445/1P	3	96	532/1P	3	100	606CS5TBI	7	158	646	9	187
263	12	266	445/4G	3	96	532PLUS/1DP	3	101	606CS5E	7	164	646A	9	187
264	12	267	447/1HPP	3	93	532PLUS/1DP-H	15	317	607B5CR	7	158	647	9	187
265	12	267	447/4PHPP	3	94	534/1P	3	101	607B5NI	7	158	647A	9	187
266	12	266	447/6	3	95	534PLUS/1DP	3	101	607CS5TBI	7	158	647B	9	187



660/6	9	188	905VDEBI	5	138	950.3	10	245	977/2	10	245	990TWS	10	228
660/6HS	9	188	906VDEBI	5	138	950.4	10	246	977/3	10	245	990WD6	10	222
660/6A	9	189	909/1	10	244	955IND1	10	243	977/4	10	245	990WD6LC100	10	222
660/6AHS	9	189	909/1PES	10	244	960/1	10	239	977/5	10	245	990WD8	10	222
660/6HS-H	15	321	909	10	244	960/2	10	239	977/6	10	245	990WD7	10	222
665/6A	9	189	909PES	10	244	960/3	10	239	977/7	10	245	990WDD2	10	222
666/6A	9	189	911/5	10	237	960/6	10	239	981K/4	10	239	990WDP	10	222
666/6AHS	9	189	911N6P21	16	351	964/1SOS	16	334	981K/8	10	239	990WDU	10	222
666/6AHS-H	15	321	911N12P21	16	351	964/1ASOS	16	334	981K1/2	10	240	990WDU-BLACK	10	222
667/6A	9	189	911VSOS	10	237	964/2SOS	16	334	981K3/4	10	240	991.1HDS	10	199
667/6AHS	9	189	912/1	10	237	964/2ASOS	16	334	981K1	10	240	991.11HDS	10	199
670/6	9	188	912/3	10	237	964/2BSOS	16	334	981K1/2R	10	240	991.12HDS	10	199
670/6HS	9	189	912/5	10	238	964/2CSOS	16	334	981K3/8R	10	240	991.13HDS	10	199
670/6A	9	189	914/3	10	238	964/2DSOS	16	335	981PB4	10	241	991.2HDS	10	199
670/6AHS	9	189	914/5	10	238	964/2FSOS	16	335	981PBS1	10	241	991.21HDS	10	200
680/2	8	174	915/5	10	238	964/3SOS	16	335	981PBS2	10	241	991.22HDS	10	200
681/2	8	174	917A	10	238	964/4SOS	16	335	981PBS3	10	241	991.23HDS	10	200
682/2	8	176	917C	10	238	964/5SOS	16	335	981PBS5	10	241	991HD	10	199
683/2	8	175	920ES3	10	207	964/5S12SOS	16	336	981PBM1	10	241	991HD.BASE	10	199
689/2BI	8	176	920ES4A	10	207	964/6SOS	16	336	981PBM2	10	241	991LMS.T1	10	200
689/2BI	13	281	920ES7	10	207	964/7SOS	16	336	981PBM3	10	241	991LMS.C1	10	202
689.1/4	8	177	920ES8	10	208	964/8ASOS	16	336	981PBM5	10	241	991LMS.C2	10	202
689.1/4	13	281	920PLUS1	10	207	964/9SOS	16	336	982PB2	10	240	991LMS.PS1	10	203
701	12	271	920PLUS2	10	207	964/9BSOS	16	337	990.PNE	10	233	991LMS.S1	10	203
701A	12	271	930	16	351	964/9CSOS	16	337	990.PNE1	10	233	994-BLACK	10	203
706	14	289	931	16	351	964/9DSOS	16	337	990.MD	10	236	994	10	203
710P	12	268	932	16	351	964/10SOS	16	337	990AD1	10	221	994.1	10	204
710R	12	269	938/3V	10	236	964/13SOS	16	337	990BIN	10	224	994W	10	204
710W	12	269	939/3EV	10	237	964/13ASOS	16	337	990BIN-BLACK	10	224	994WD	10	204
714	12	269	939/4EV	10	237	964/14SOS	16	338	990B	10	229	997.1	10	246
721/6	14	288	939/5E	10	237	964/15SOS	16	338	990BA	10	229	997.4	10	246
721.1/6	14	289	940.1H	10	206	964/16SOS	16	338	990BA1	10	229	1000A	16	348
721Q/6	14	288	940.2H	10	206	964/17SOS	16	338	990C	10	228	1000AC	16	348
722.1/7	14	289	940.1EV	10	210	964/18ASOS	16	338	990CAU	10	228	1000AD	16	348
722.1AL	14	289	940.1T	10	217	964/18BSOS	16	338	990CA	10	229	1000B	16	349
750.1B	14	290	940EV1	10	208	964/19SOS	16	339	990HPB	10	230	1000D	16	349
750B	14	290	940EV3	10	208	964/19S12SOS	16	339	990HPC	10	231	1000S	16	349
750VDP	5	137	940EV4	10	209	964/22SOS	16	339	990HL	10	231	1000T	16	349
752	14	290	940EV4BLOCK	10	209	964/24SOS	16	339	990IN4	10	227	1011AEV6	16	325
753P	14	290	940EV6	10	209	964/25SOS	16	339	990L	10	227	1011A	16	325
753VDP	5	137	940EV7BLOCK	10	210	964/26 1/2SSOS	16	340	990LA	10	227	1011BEV4	16	326
753W	14	290	940EVS1	10	210	964/26BSOS	16	340	990LA-BLACK	10	227	1011B	16	326
755	14	290	940EVS4	10	210	964/26SSOS	16	340	990LB	10	228	1011DEV6	16	327
755.1	14	290	940EVS7	10	210	964/27SOS	16	340	990LBH	10	228	1011D	16	327
757	14	290	940E1	10	211	964/27ASOS	16	340	990LIGHT	10	231	1011CEV4	16	328
760HB	14	292	940E3	10	211	964/28SOS	16	340	990MA1	10	217	1011FPLUS1	16	329
760H1/2S	14	292	940E4	10	211	964/29ASOS	16	341	990MA3	10	217	1011GECO	16	330
760HS	14	292	940E4/1L	10	212	964/30SOS	16	341	990MA6	10	217	1012A	16	331
760HB-H	15	321	940E4/1L-BLACK	10	212	964/31SOS	16	341	990MA7	10	217	1013C	16	333
761HB	14	292	940E6	10	212	964/32SOS	16	342	990MA10	10	217	1015A	16	333
761H1/2S	14	292	940E7	10	213	964/32ASOS	16	342	990MA11	10	220	1016B	16	333
761HS	14	292	940E9	10	213	964/33SOS	16	342	990MA12	10	220	1018A	16	333
762/5 1/2S	14	293	940ES3	10	213	964/34SOS	16	343	990MA13	10	220	1107	15	321
762/5B	14	293	940ES3A	10	213	964/35SOS	16	343	990MA14	10	220	1108DB	15	321
762/5S	14	293	940ES5	10	214	964/36SOS	16	343	990MA15	10	220	1108DD	15	321
763HB	14	293	940ES7	10	214	964/37SOS	16	343	990MA16	10	220	1108DS	15	321
763H1/2S	14	293	940ES8	10	214	964/46SOS	16	344	990MA17	10	220	1109	15	318
763HS	14	294	940ES9	10	214	964/47SOS	16	344	990MA18	10	221	1110	15	318
764HB	14	294	940ES10	10	214	964/48SOS	16	344	990MB2	10	221	1111	15	314
764H1/2S	14	294	940ECO	10	215	964/49SOS	16	345	990MC4	10	221	1112	10	244
764HS	14	294	940ECOS1	10	215	964/50SOS	16	345	990MC5	10	221	1113	10	244
765H1/2S	14	294	940ECOES7	10	215	964/51SOS	16	345	990MC8	10	221	1200/1	14	295
765HS	14	294	940H1	10	205	964/52SOS	16	346	990MC9	10	221	1210	14	295
767H1/2S	14	294	940H2	10	205	964/53SOS	16	346	990ND6	10	225	1216	14	296
768H1/2S	14	294	940H2BLOCK	10	205	964/55SOS	16	346	990ND6LC100	10	225	1250	12	269
777/6A	14	295	940H2-BLACK	10	206	964/56SOS	16	346	990ND6-BLACK	10	225	1252	12	269
777/6C	14	295	940H3	10	206	964ASOS	10	213	990ND8	10	226	1260/7	12	269
778/4	14	295	940HS5	10	206	964BSOS	10	214	990NDD2	10	226	1260/7A	12	270
778/4APB	14	295	940JUMBO1	10	196	964ECO2	16	346	990NDD2-BLACK	10	226	1262/5A	12	270
778/4PB	14	295	940JUMBO2	10	197	964ECO2A	16	346	990NDH	10	226	1263	12	270
805	9	184	940JUMBO3	10	198	964ECOS	16	347	990NDH4	10	226	1272	12	270
805A	9	184	940T	10	216	964ECO6	16	347	990NDP	10	226	1279	12	271
805A-H	15	320	946A	10	215	964ECO9	16	347	990NDU	10	226	1280	12	271
806	9	184	946AC	10	215	964ECO19	16	347	990NDU-BLACK	10	227	1290/5	12	271
812-H	15	320	946ACR	10	216	964ECO26 1/2S	16	347	990NCA	10	228	1299	12	271
812	9	184	946CWR	10	229	964VDE1	5	138	990PNE	10	223	1300/6	14	297
812A	9	184	946G	10	216	964VDE2	5	138	990PNE-BLACK	10	224	1300ST	14	297
816	9	184	948E1	10	242	964VDE3	5	139	990SL	10	229	1301/6	14	297
817-H	15	320	948E1.1	10	242	964VDE5	5	139	990SL-BLACK	10	229	1301.1/4	14	297
817	9	185	948E2	10	242	964VDE7	5	139	990SR	10	230	1340VDP	5	137
818	9	185	949	10	242	964VDE8A	5	139	990SR-BLACK	10	230	1341VDP	5	137
819A	9	185	949.1	10	242	964VDE8B	5	139	990SM	10	230	1342	14	298
820	9	186	949.2	10	242	969L	10	243	990SM-BLACK	10	230	1343	14	298
820A	9	186	950/2	10	246	969S	10	243	990S1	10	230	1344	14	298
820B	13	283	950/6	10	246	971/1BI	16	350	990SHELF	10	230	1345	14	298
902/2	16	350	950/3V	10	246	971/2VDE	16	350	990T	10	216	1346	14	298
905BI	16	350	950/9	10	246	971/3VDE	16	350	990TW	10	228	1347	14	298
905CR	16	350	950.1	10	245	977/1	10	245	990TW1	10	228	1348	14	298

1351V	5	138	2210/2A	8	178
1352V	5	138	2213/2BI	12	268
1375/6	14	297	3000/6	13	281
1376/6	14	298	3000.1	13	282
1500	11	259	3001/6A	13	282
1501	11	259	3001/6B	13	282
1502	11	259	3001.1	13	282
1503	11	260	3001.2	13	282
1505	11	260	3001.3	13	282
1506KN7	11	260	3050/2BI	13	276
1506KZ7	11	260	3051/2BI	13	276
1506KZ10	11	260	3054/4	13	278
1507Z7	11	260	3054.1/4	13	278
1507Z10	11	260	3055/4A	13	276
1508A	11	259	3055/4B	13	277
1508B	11	259	3056/2	13	277
1510	11	256	3057/2	13	279
1514	11	256	3057.1/2	13	280
1514.1B	11	256	3058/2	13	277
1514A1	11	256	3059	13	277
1514A2	11	256	3200/2BI	13	279
1514A3	11	256	3201/2	13	280
1514.2B	11	257	3202/1P	13	279
1514A4	11	257	3301/2	13	280
1514A5	11	257	3302/6	13	280
1514A6	11	257	3303/2	13	281
1514PB	11	257	3305/2	13	281
1515	11	257	3401/2P	13	281
1515H	11	257	3600/2BI	13	283
1516	11	258	3700MX PROKIT	13	284
1516A	11	258	6460C6,3	7	165
1517S	11	258	6463C6,3	7	165
1518	11	259	6463TINC6,3	7	165
1522	11	250	6465C6,3	7	165
1531	11	250	6466C6,3	7	166
1532	11	250	6466TINC6,3	7	166
1541	11	251	6469C6,3	7	166
1551	11	251	6472C6,3	7	166
1552	11	251	6472TINC6,3	7	166
1561	11	252	6480C8	7	166
1562	11	252	6483C8	7	166
1563	11	252	6484C8	7	167
1564	11	253	6486C8	7	167
1565	11	253	6489C8	7	167
1566	11	253	6492C8	7	167
1571	11	253	6503E6,3	7	167
1573	11	254	6506E6,3	7	167
1575	11	254	6509E6,3	7	167
1591	11	254	6515E6,3	7	167
1592	11	255	6715E6,3	7	168
1596	11	255	6762	7	169
1597	11	255	6762.1	7	168
1863	14	306	6762.2	7	169
1940/2BI	14	304	6776PB21	7	168
1940.1/2BI	14	304	6778FBS1	7	169
1940.2/2BI	14	305	6778FBS2	7	169
1941/2	8	179	BASE.990MOD	10	236
1944/6	14	305	CT110	1	25
1945	14	305	CT129	1	31
1945.1	14	305	h.990.BAT	10	233
1976/2	8	178	h.990.HAM	10	233
1977/6	13	278	h.990.PAP	10	234
1978/2	8	179	h.990.PIN	10	234
2026/2	8	177	h.990.PLI	10	234
2032/2	8	177	h.990.SCR	10	234
2035	14	305	h.990.TAB	10	234
2042/2	14	305	h.990.WRE	10	234
2051/4	8	177	h.f990lap	10	235
2077/2BI	14	300	h.f990pb	10	235
2078/2BI	14	300	h.f990tab	10	235
2079/2BI	14	301	h.f990un	10	235
2080/2BI	14	301	lh.GENERAL-MAGN.	10	236
2081/3	14	301	PB.990HPB	10	230
2082/3	14	302	PB.990HPBMOD	10	236
2082.1	14	302	SET.PB.990HPBMOD	10	236
2083	14	302	SET990.MD	10	236
2084	14	302	VL911N12SOS	16	351
2085	14	302	VL911N6SOS	16	351
2086	14	303	VL990ND	10	231
2087	14	303	VL990ND1	10	231
2089/2BI	14	303	VL990ND2	10	232
2091	14	304	VL990ND3	10	232
2091A	14	304	VL990ND4	10	232
2203/2BI	14	306	VL990WD	10	232
2205	14	306	VL990WD1	10	232
2206	14	306	VL990WD2	10	232
2209	14	306	VL990WD3	10	233
2210/2	8	178	VL990WD4	10	233



Alphabetic index

A		
ABS plate for 920PLUS	920E58	208
ABS plate for 940E and 940EV	940E58	214
Accessories for 948E1	948E1.1	242
Adaptor 1"	1997/1	76
Adaptor 1/2"	1907/2	68
Adaptor 1/2" - 5/16"	67622	169
Adaptor 1/4"	188.7/2	55
Adaptor 3/4"	197.7/1	74
Adaptor 3/8"	238.7/1	61
Adaptor for bits	188.9	55
Adaptor for front stand	3000.1	282
Additional support for 990S	990S1	230
Adjustable leg for modular work bench	990LA	227
Adjustable leg for modular work bench	990LA-BLACK	227
Adjustable oil-filter wrench	1976/2	178
Adjustable pipe wrench	494/6	108
Adjustable wrench	250/1	27
Adjustable wrench	250/1ADP	27
Adjustable wrench	251/4	27
Adjustable wrench insert tool for 266	266GNS2	266
Adjustable wrench, for safe work at heights	250/1-H	312
Alternator combination socket	2209	306
Alu - spirit level	1250	269
Alu - spirit level with magnet	1252	269
Aluminium screeding level	1272	270
Angle gauge	2213/2BI	268
Angle impact wrench	1564	253
Angle modular work bench	990AD1	221
Angle wooden bench top	990TW1	228
Anvil pruner	550/3PR	151
Arm for 689/2BI	689.1/4	177
Arm for 689/2BI	689.1/4	281
Automatic centre punch	642A	187
Automatic Spring Clip Pliers	2089/2BI	303
Awl set	639PB	299
Awl with round straight blade	639A	298
Awl with round, 90° bent blade	639B	298
Awl with round, double bent blade	639C	299
Awl with round, double bent small blade	639D	299
B		
Back door for 940H	9402H	206
Ball joint puller	2032/2	177
Ball-end extension bar 1/2"	1904/15	68
Ball-end extension bar 1/4"	1884/25	55
Ball-end extension bar 3/8"	2384/15	61
Ball-end hex screwdriver TBI	620TBI	162
Ball-end hex wrench	220/35	43
Ball-end hex wrench, long type	220/35L	44
Ball-pein hammer	806	184
Base for stand 3000/6 and 3001/6	3001.3	282
Base pade for plastic boxes	BASE990MOD	236
Bending adaptor	352.2	299
Bending back	352.3	300
Bending pliers	352.1/6	299
Bent flat tweezers	1343	298
Bent pointed tweezers	1346	298
Bent tweezers	1341VDP	137
Big plastic box for bits	962PB2	240
Bit with socket wrench	188.10A	56
Bits adaptor E6, 3 (1/4")	6175E63	168
Bits adaptor with 10mm hexagonal drive	188.13	56
Bits set	6778FBS1	169
Bits set	6778FBS2	169
Bits set in plastic box	6776PB21	168
Bolt cutter	596/6A	149
Bolt cutter	596/6B	150
Bolt cutter	598/6	150
Bolt cutters with interchangeable triangular cutting edges	596PLUS/6G	148
BOLTSHARK cutter	469SHARK/4ADP	88
BOLTSHARK cutter	469SHARK/4ADP	114
BOLTSHARK cutter with groove	469SHARK/4DP	89
BOLTSHARK cutter with groove	469SHARK/4DP	113
Bottle holder 940ECO	940CCOE57	215
Bow saw	755	290
Brake spring pliers	431/2	107
Brush for cleaning disk brake shoes	2035	305
Bumping hammer	820	186
Bumping hammer	820A	186
C		
Cabinet	946CWR	229
Cabinet organizer for documents	991LIMS.C1	202
Cabinet organizer for tool trays	991LIMS.C2	202
Cabinet with roller shutter	990CA	229
Cabinet with roller shutter for 946A in 990	990CA	229
Cable reel 3x1,5 mm2, 220V	990.PNE	233
Cable shears	580/1BI	112
Cable shears	585/6	112
Cable shears	580/1VDEBI	132
Cable shears	580/1VDEDP	132
Cable shears	580/1BI	146
Cable shears	585/6	146
Cable shears, for safe work at heights	580/1BI-H	318
Cable stripper with hook knife	385H	100
Cable stripper with hook knife	385H	115
Cable stripper with straight knife	385G	100
Cable stripper with straight knife	385G	115
Calliper with vernier scale	271	271
Car light tester 6 - 12/24 V	631	135
Car light tester 6 - 12/24 V	631B	135
Carpenter's pencil - set 10 pieces	1299	271
Carpenter's lever	300/6B	296
Carpenters' hammer	805	184
Carpenters' hammer with magnet	805A	184
Carpenters' hammer with magnet, for safe work at heights	805A-H	320
Carpenters' pincers	530/4	103
Carpenters' pincers	530/4P	103
Centre punch	642/6	187
Centre punch with handle	642/GH5	187
Centre punch with handle, for safe work at heights	642/GH5-H	321

Chain breaker, press and riveting tool for motorbike	3200/2BI	279
Chain for 206/2	206.1	46
Chain pipe wrenches	484/6	108
Chain pipe wrenches	484/6	300
Chain wrench	206/2	46
Chisel and punch set	645	187
Claw pick-up tool	2085	302
Cleaning support for modular work bench	990BIN	224
Cleaning support for modular work bench	990BIN-BLACK	224
CLIC® collar pliers	2080/2BI	301
Click type torque wrench	264	267
Club hammer	817	185
Club hammer, for safe work at heights	817-H	320
Clutch and gear wheel holding tools	3050/2BI	276
Combination pliers	405/1BI	86
Combination pliers	405/4G	86
Combination pliers	406/1BI	86
Combination pliers	406/4G	86
Combination pliers	406/1VDEBI	126
Combination pliers	406/1VDEDP	126
Combination pliers, for safe work at heights	405/1BI-H	314
Combination pliers, for safe work at heights	406/1VDP-H	314
Combination wrench IBEX	129/1	30
Combination wrench, long type	120/1	27
Combination wrench, long type	120/1	28
Combination wrench, long type, for safe work at heights	120/1-H	312
Combination wrench, short type	125/1	29
Composite pneumatic reversible ratchet	1522	250
Composite pneumatic reversible ratchet	1532	250
Composite pneumatic reversible ratchet	1552	251
Connector	990C	228
Coupling, female part	1506KN7	260
Coupling, female part	1506KZ7	260
Coupling, female part	1506KZ10	260
Coupling, male part	1507Z7	260
Coupling, male part	1507Z10	260
Cover set for angle modular work bench, 2 pcs set	990BA1	229
Crankshaft protector cap	305A.1/4	278
Crimp grip pliers	427/4AG	98
Crimp grip pliers	427/4CG	98
Crimp grip pliers	427/2FG	99
Crimp grip pliers	427/4AG	116
Crimp grip pliers	427/4CG	116
Crimp grip pliers	427/2FG	116
Crimp lever pliers	428/4	99
Crimp lever pliers	428/4	117
Crimping pliers	424/4P	97
Crimping pliers	425/4A	97
Crimping pliers	425/4AB	98
Crimping pliers	425/4B	98
Crimping pliers	424/4P	117
Crimping pliers	425/4A	117
Crimping pliers	425/4AB	117
Crimping pliers	425/4B	117
Crimping pliers, for safe work at heights	425/4B-H	318
Cross chisel	670/6	188
Cross chisel with guard	670/6H5	189
Cross pointed tweezers	1347	298
Crosstip (PH) bit, 3 pcs set	646G3C63	165
Crosstip (PH) bit, 3 pcs set	646G3TNC63	165
Crosstip (PH) bit, 3 pcs set	646G3C63	165
Crosstip (PH) bit, 3 pcs set	648BC8	166
Crosstip (PH) bit, 3 pcs set	6484C8	167
Crosstip (PH) bit, 3 pcs set	6503E63	167
Crosstip (PH) electronic screwdriver	615E	164
Crosstip (PH) screwdriver	615NI	160
Crosstip (PH) screwdriver CR	615CR	159
Crosstip (PH) screwdriver CR with hexagon bolster	616CR	160
Crosstip (PH) screwdriver TBI	615TBI	159
Crosstip (PH) screwdriver TBI with hexagon bolster	616TBI	160
Crosstip (PH) screwdriver TBI, for safe work at heights	615TBI-H	319
Crosstip (PH) screwdriver with insulated blade, VDE	613VDE	133
Crosstip (PH) screwdriver with insulated blade, VDE TBI	613VDE TBI	133
Crosstip reversible blade	636PH	161
Crosstip screwdriver socket 1/4"	187/2PH	52
Crosstip screwdriver socket 3/8"	236/2PH	58
Cutter for 586/6	586.1/7	148
Cutting wheel	358.1/7A	291
Cutting wheel	361.1/7A	291
D		
Dead blow hammer	819A	185
Diagonal cutting nippers	461/1BI	89
Diagonal cutting nippers	461/4G	90
Diagonal cutting nippers	461/4P	90
Diagonal cutting nippers	461/1BI	112
Diagonal cutting nippers	461/1VDEBI	128
Diagonal cutting nippers	461/1VDEDP	128
Digital calliper	270A	270
Disc spreader for motorcycle	3303/2	281
Document holder for 940E and 940EV	940E55	214
Door for 994	994.1	204
Double ended offset socket wrench	176	38
Double ended offset socket wrench	177	38
Double groove joint pliers	445/1BI	96
Double groove joint pliers	445/1P	96
Double groove joint pliers	445/4G	96
Double hook, 10 pcs set	997A	246
Double suction lifter	1944/6	305
Double swivel end socket wrench	202/1	37
Double-crosstip (PZ) bit, 3 pcs set	646G6C63	166
Double-crosstip (PZ) bit, 3 pcs set	646G6TNC63	166
Double-crosstip (PZ) bit, 3 pcs set	648BC8	167
Double-crosstip (PZ) bit, 3 pcs set	6506E63	167
Double-crosstip (PZ) electronic screwdriver	625E	165
Double-crosstip (PZ) screwdriver	625NI	161
Double-crosstip (PZ) screwdriver CR	625CR	161
Double-crosstip (PZ) screwdriver TBI	625TBI	161
Double-crosstip (PZ) screwdriver with insulated blade, VDE	623VDE	134
Double-crosstip (PZ) screwdriver with insulated blade, VDE TBI	623VDE TBI	134
Double-edged screw extractors set	778/4APB	295
Drain trap pliers	487/2P	108
Drift and centre punch set	646	187
Drift and centre punches set	646A	187
Drift punch	640/6	186
E		
Electrical bag	909	244
Electrical bag	909/1	244
Electrical bag	909/1PES	244

Electrical bag	909PES	244
Electrician's chisel	665/6A	189
Electrician's screwdriver with insulated blade, VDE	603VDE	133
Electrician's screwdriver with insulated blade, VDE TBI	603VDE TBI	133
Electrician's crosstip screwdriver CR	612CR	159
Electricians' scissors	582/3P	114
Electricians' scissors	582/3P	146
Electronic Screwdriver with TS profile	619E	164
Electronic screwdriver with TX profile	621E	164
Electronic side cutter	461/AE	90
Electronic torque wrench	266	266
Empty bag	CT110	25
Empty bag	CT129	31
Empty SOS tool tray for 920PLUS, 940E and 940EV	964ASOS	213
Empty SOS tool tray for 920PLUS, 940E and 940EV	964BSOS	214
End cutting nippers	455/1BI	91
End cutting nippers	455/4G	91
End cutting nippers, for safe work at heights	455/1BI-H	315
Extension bar 1"	1994/1	76
Extension bar 1/2"	1904/1	68
Extension bar 1/2"	1904/2	68
Extension bar 1/2", for safe work at heights	1904/1-H	314
Extension bar 1/4"	1884/2	55
Extension bar 3/4"	1974/1	74
Extension bar 3/8"	2384/2	61
Extension bar 3/8"	2384/1	61
External lock rings pliers, bent	534/1P	101
External lock rings pliers, bent	534PLUS/1DP	101
External lock rings pliers, straight	532/1P	100
External lock rings pliers, straight	532PLUS/1DP	101
External lock rings pliers, straight, for safe work at heights	532PLUS/1DP-H	317
External micrometre	272	271
F		
Feeler gauges	701	271
Flap disc	1216	296
Flat chisel	660/6	188
Flat chisel	1514A1	256
Flat chisel with guard	660/6H5	188
Flat chisel with guard, for safe work at heights	660/6H5-H	321
Flat cutting-off wheels, for steel	1200/1	295
Flat cutting-off wheels, for steel	1210	295
Flat electrician's screwdriver TBI	602TBI	156
Flat electronic screwdriver	605E	163
Flat file with handle, bastard	760H-B	292
Flat file with handle, bastard, for safe work at heights	760H-BH	321
Flat file with handle, half smooth	760H/2S	292
Flat file with handle, smooth	760H5	292
Flat rasp with handle, half smooth	767H/2S	294
Flat ring wrench	182/2A	33
Flat ring wrench with offset head TX profile	182/2BTX	33
Flat rule	1280	271
Flat scraper	777/6A	295
Flat screwdriver	605NI	157
Flat screwdriver CR	605CR	157
Flat screwdriver CR with hexagon bolster	600CR	156
Flat screwdriver TBI	605TBI	156
Flat screwdriver TBI with hexagon bolster	600TBI	156
Flat screwdriver TBI, for safe work at heights	605TBI-H	319
Flat tweezers	1342	298
Flat tweezers	1344	298
Flat-crosstip (SL/PH) SLIM screwdriver with insulated blade, VDE TBI	611VDE TBI	133
Flexible extension bar 1/4"	1884/2F	55
Flexible hook wrench	255/2F	37
Flexible hook wrench for motorbikes	3401/2P	281
Flexible pick up tool with magnet	2087	303
Flexible ratchet combination wrench	161/2	35
Flexible reversible ratchet 1/2"	1901/1FBI	66
Flexible reversible ratchet 1/4"	1881/1FBI	54
Flexible reversible ratchet 3/8"	2381/1FBI	60
Flywheel puller with external thread	3055/4A	276
Flywheel puller with external thread	3055/4B	277
Flywheel puller with internal thread	3054/4	278
Folding rule	710W	269
Forged tubular box wrench	216/1	39
Four-way rim wrench	213/6	45
Frame for identification card	950.1	245
Front stand for motorcycle	3000/6	281
Front windscreen wiper arm remover	1941/2	179
G		
Grease gun	1376/6	298
Grip hose clamp pliers for stopping the flow of fluids	2081/3	301
Grip pliers	430/3	104
Grip pliers for cutting exhaust pipes	2082/3	302
H		
Hacksaw	750B	290
Half-round file with handle, bastard	761HB	292
Half-round file with handle, half smooth	761H/2S	292
Half-round file with handle, smooth	761H5	292
Half-round rasp with handle, half smooth	768H/2S	294
Hand riveter	1300/6	297
Hand riveter set	1301/6	297
Hand saw	757	290
Handle for 178/2	1781/2	31
Hanging cabinet for work benches	990CAU	228
Heavy duty clamp	706	289
Heavy duty diagonal cutter, for safe work at heights	466/1BI-H	315
Heavy duty diagonal cutter, for safe work at heights	466/1VDP-H	315
Heavy duty diagonal cutting nippers	466/1BI	91
Heavy duty diagonal cutting nippers	466/4G	91
Heavy duty diagonal cutting nippers	466/1BI	113
Heavy duty diagonal cutting nippers	466/1VDEBI	129
Heavy duty diagonal cutting nippers	466/1VDEDP	129
Heavy duty drawer cabinet	991H-D	199
Heavy duty pipe wrench	492/6	108
Heavy duty pipe wrench AL	492AL	108
Heavy duty pipe wrench AL, for safe work at heights	492AL-H	319
Heavy duty pipe wrench, for safe work at heights	492/6-H	319
Heavy duty tool chest underbase	991H.D.BASE	199
Heavy duty tower pincers	529/4P	104
Hex bit	529/4PR	104
Hex bit	6509E63	167
Hex bit, 3 pcs set	6469C63	166
Hex bit, 3 pcs set	6489C8	167
Hex screwdriver CR	620/1CR	162
Hex screwdriver socket 3/8"	236/2H-K	58
Hex screwdriver with insulated blade VDE TBI	620VDE TBI	134
Hex socket 1/2"	192/2H-K	64
Hex socket 1/4"	187/2H-K	52



Hex socket 3/4"	197/2AHX	73
Hex wrench	220/3	41
Hex wrench	220/3	42
Hex wrench, long type	220/3L	43
Hexagonal screwdriver socket set 1/2" in metal box	192/14	66
Hexagonal screwdriver socket set 1/2" in metal box	192/14INCH	66
Holder for bottles for 920PLUS	920ES7	207
Holder for bottles for 940E and 940EV	940ES7	214
Holder for bottles for 940EV	940ESV7	210
Holder for cordless screwdriver	h990BAT	233
Holder for hammers	h990HAM	233
Holder for light with console	990HL	231
Holder for paper	h990PAP	234
Holder for plastic box	990HPB	230
Holder for pliers, 10 pcs set	h990PLJ	234
Holder for screwdrivers	h990SCR	234
Holder for tablet	h990TAB	234
Holder for wrenches	h990WRE	234
Holder with parapet channel	990HPC	231
Holder with pin, 10 pcs set	h990PIN	234
Holding tool for cartridge rod of shock absorbers for motorbikes	330S/2	281
Hook wrench	25S/2	36
Hook, 10 pcs set	997/1	246
Hose reel, hose 8x12 mm, 1/4"	990PNE1	233

<b>I</b>		
Impact accessories 1"	2338/4	81
Impact accessories 1, 1/2"	2348/4	81
Impact accessories 1 1/2"	2318/4	79
Impact accessories 3/4"	2328/4	79
Impact accessories 3/8"	2308/4	77
Impact adaptor 1"	2337/4	81
Impact adaptor 1, 1/2"	2347/4	81
Impact adaptor 1 1/2"	2317/4	79
Impact adaptor 3/4"	2327/4	80
Impact adaptor 3/8"	2307/4	77
Impact extension bar 1"	2334/4	80
Impact extension bar 1, 1/2"	2344/4	81
Impact extension bar 1 1/2"	2314/4	79
Impact extension bar 3/4"	2324/4	80
Impact extension bar 3/8"	2304/4	76
Impact hex socket 1/2"	231/4AHX	78
Impact screwdriver	6762/1	168
Impact screwdriver set	6762	169
Impact screwdriver socket 1/2" with TX profile	231/4ATX	78
Impact socket 1", 6 point	2334/6p	80
Impact socket 1", long type, 6 point	2334/4L6p	80
Impact socket 1, 1/2", 6 point	2344/6p	81
Impact socket 1/2" for alloy wheels, 6 point	231/4P	77
Impact socket 1/2" for alloy wheels, long type, 6 point	231/4PL	78
Impact socket 1/2" with internal TX profile	231/4TX	78
Impact socket 1/2", 6 point	231/46p	77
Impact socket 1/2", long type, 6 point	231/4L6p	77
Impact socket 3/4", 6 point	2324/6p	79
Impact socket 3/4", long type, 6 point	2324/4L6p	79
Impact socket 3/8", 6 point	2304/6p	76
Impact universal joint 1"	2336/4	81
Impact universal joint 1, 1/2"	2346/4	81
Impact universal joint 1 1/2"	2316/4	79
Impact universal joint 3/4"	2326/4	80
Impact universal joint 3/8"	2306/4	76
Impact wrench	1541	251
Impact wrench	1561	252
Impact wrench	1562	252
Impact wrench	1566	253
Impact wrench	1571	253
Impact wrench	1573	254
Impact wrench	1591	254
Impact wrench	1592	255
Impact wrench	1596	255
Impact wrench	1597	255
Impact wrench	1565	253
Impact wrench and socket set 1/2" in plastic box	1575	254
Impact wrench and socket set 3/4" in plastic box	95SIND1	243
Industrial torque wrench	265	267
Inner bearing puller	689/2BI	176
Inner bearing puller	689/2BI	281
Installers tool box	960/6	239
Insulated adjustable wrench	250/1VDP	122
Insulated extension bar 1/2"	1904/2VDEDP	124
Insulated hex socket 1/2"	192/2H-VDEDP	125
Insulated hex wrench	220/3LVDEDP	123
Insulated hexagon T wrench	220TV	123
Insulated knife	385AVDEDP	136
Insulated knife	385CVDEDP	137
Insulated knife	385VDEDP	137
Insulated offset handle 1/2"	190S/2VDEDP	125
Insulated reversible ratchet 1/2"	1901AVDEDP	124
Insulated reversible ratchet 1/2"	1901VDE	125
Insulated saw	750VDP	137
Insulated saw	753VDP	137
Insulated single offset ring wrench	180/2VDEDP	122
Insulated single open end wrench	110/2VDEDP	122
Insulated socket 1/2", 6 point	190/2VDEDP	124
Insulated socket 1/2", long type, 12 point	190/2LVDEDP	124
Insulated socket set 1/2" in metal box	190VDE6P11A	125
Insulated socket set 1/2" in metal box	190VDE6P13B	126
Insulated socket set 1/2" in plastic box	190VDE6P10	125
Insulated socket set 1/2" - long type in metal box	190VDE12P11L	125
Insulated socket wrench with T-handle, long type	196/2VDEDP	123
Insulated socket wrench with VDETB1 handle	629VDETB1	134
Insulated waterpump box joint pliers	447/1VDEBI	127
Internal - external reamer	363A	292
Internal lock rings pliers, bent	538/1P	102
Internal lock rings pliers, bent	538PLUS/1DP	102
Internal lock rings pliers, straight	536/1P	101
Internal lock rings pliers, straight	536PLUS/1DP	102
Internal lock rings pliers, straight, for safe work at heights	536PLUS/1DP-H	317
IRONGATOR engineer's vice	721/6	288

<b>J</b>		
Jointing chisel	667/6A	189
Jointing chisel with guard	667/6AHS	189

<b>K</b>		
Laptop holder with foldable arm for 990	h990lap	235
LED light	2091	304
LED light	2091A	304
Left support	990SL	229
Left support	990SL-BLACK	229
Leg for modular work bench	990L	227

Light	990LIGHT	231
Linemen's pliers	420/1BI	87
Linemen's pliers	420/1VDEBI	127
Linemen's pliers	420/1VDEDP	127
Lock rings pliers set in bag	539/1PCT	102
Locksmiths' hammer, for safe work at heights	812/H	320
Locksmiths' hammer	812	184
Locksmiths' hammer	812A	184
Long flat nose pliers	472/1BI	92
Long flat nose pliers	472/4G	93
Long flat nose pliers	472/1VDEBI	129
Long flat nose pliers	472/1VDEDP	129
Long hex screwdriver socket 3/8"	236/2H-XL	58
Long hex socket 1/2"	192/2H-XL	64
Long measuring tape	714	269
Long nose pliers with side cutter	506/1BI	91
Long nose pliers with side cutter	506/4G	91
Long nose pliers with side cutter	506/1VDEBI	130
Long nose pliers with side cutter	506/1VDEDP	130
Long nose pliers with side cutter and pipe grip, bent	512/1BI	92
Long nose pliers with side cutter and pipe grip, bent	512/4G	92
Long nose pliers with side cutter and pipe grip, bent	512/1VDEBI	131
Long nose pliers with side cutter and pipe grip, bent	512/1VDEDP	131
Long nose pliers with side cutter and pipe grip, bent, for safe work at heights	512/1BI-H	316
Long nose pliers with side cutter and pipe grip, straight	508/1BI	92
Long nose pliers with side cutter and pipe grip, straight	508/4G	92
Long nose pliers with side cutter and pipe grip, straight	508/1VDEBI	130
Long nose pliers with side cutter and pipe grip, straight	508/1VDEDP	131
Long pneumatic duster	508/1BI-H	316
Long round nose pliers	1508B	259
Long round nose pliers	476/1BI	93
Long round nose pliers	476/1VDEBI	129
Long round nose pliers	476/1VDEDP	129
Long screwdriver socket 1/2" with TX profile	192/2TXL	65
Long screwdriver socket 1/2" with ZX profile	192/2ZXL	65

<b>M</b>		
Magnetic label holder	inGENERAL-MAGN	236
Magnetic tray	206	303
Magnetizer/demagnetizer	633	165
Mason's chisel	660/6A	189
Mason's chisel with guard	660/6AHS	189
Mason's squares with back	1262/5A	270
Master link clip pliers for motorbike chain	3202/1P	279
Measuring tape	710P	268
Measuring tape	710R	269
Metal box	981K/4	239
Metal box	981K/8	239
Metal box	981K/12	240
Metal box	981K/34	240
Metal box	981K1	240
Metal box	981K1/2R	240
Metal box	981K3/8R	240
Metal stand for combination wrenches - long type	977/2	245
Metal stand for combination wrenches - short type	977/3	245
Metal stand for combination wrenches, long type	977/5	245
Metal stand for combinations wrenches, short type	977/6	245
Metal stand for offset ring wrenches	977/4	245
Metal stand for open end wrenches	977/1	245
Metal stand for screwdrivers with T-handle	977/7	245
Middle support	990SM	230
Middle support	990SM-BLACK	230
Mobile control trolley	994	203
Mobile control trolley	994-BLACK	203
Mobile control trolley with tool rack wall	994W	204
Mobile control trolley with tool rack wall and door	994WD	204
Mobile work bench	990T	216
Modular crimping pliers	427/4DG	99
Modular crimping pliers	427/4DG	116
Modular holder for merchandiser	990MD	236
Modular work bench - module A1	990MA1	217
Modular work bench - module A10	990MA10	217
Modular work bench - module A11	990MA11	220
Modular work bench - module A12	990MA12	220
Modular work bench - module A13	990MA13	220
Modular work bench - module A14	990MA14	220
Modular work bench - module A15	990MA15	220
Modular work bench - module A16	990MA16	220
Modular work bench - module A17	990MA17	220
Modular work bench - module A18	990MA18	221
Modular work bench - module A3	990MA3	217
Modular work bench - module A6	990MA6	217
Modular work bench - module A7	990MA7	217
Modular work station - module B2	990MB2	221
Multi-function scraper with blade guard	1945	305
Multifunctional diagonal cutting nippers	462/1BI	90
Multifunctional diagonal cutting nippers	462/4G	90
Multifunctional diagonal cutting nippers	462/1BI	113
Multifunctional diagonal cutting nippers	462/1VDEBI	128
Multifunctional diagonal cutting nippers	462/1VDEDP	128
Multifunctional electrician's pliers	514/1BI	96
Multifunctional electrician's pliers	514/1BI	115
Multifunctional electrician's pliers, for safe work at heights	514/1BI-H	316
MX Pro Kit tool set	3700MXPROKIT	284

<b>N</b>		
Narrow drawer cabinet - 2 drawers and door	990ND02	226
Narrow drawer cabinet - 2 drawers and door	990ND02-BLACK	226
Narrow drawer cabinet - 6 drawers	990ND6	225
Narrow drawer cabinet - 6 drawers	990ND6LC100	225
Narrow drawer cabinet - 6 drawers	990ND6-BLACK	225
Narrow drawer cabinet - 8 drawers	990ND8	226
Narrow drawer cabinet mounted under bench top - 4 drawers	990NDH4	226
Narrow drawer cabinet underbase	990NDU4	222
Narrow drawer cabinet underbase	990NDU	226
Narrow drawer cabinet underbase	990NDU-BLACK	227
Nosepiece for blind-rivet nuts for 1301/6	1301/14	297

<b>O</b>		
Offset handle 1/2"	190S/2	68
Offset handle 3/8"	238S/2	61
Offset open ring wrench	183/2	33
Offset ring wrench	180/1	32
Offset tubular box wrench	217/2	40
Oil can with flexible spout	137S/6	297
Oil-filter wrench	1977/6	278
One-way ratchet 1/2"	1909/2BI	69
One-way ratchet 1/2" without pivot	1909/2ABI	68

Open end wrench	110/1	24
Open end wrench	112/2	26
Open ring insert tool for 266	266INS.3	266

<b>P</b>		
Paper holder - maxi roll for 920PLUS	920ESA4	207
Paper holder for 940EV	940EVS4	210
Partitions for narrow drawers	990NDP	226
Partitions for wide drawers	990WDP	222
Partitions set - 4 pieces for 920PLUS	920ES3	207
Partitions set - 4 pieces for 940E	940ES3	213
Partitions set for small drawer 940E and 940EV	940ES3A	213
Partitions-3 pcs set for 940ECO	940ECOC01	215
Perforated back - module C4	990MC4	221
Perforated back - module C5	990MC5	221
Perforated back - module C8	990MC8	221
Perforated back - module C9	990MC9	221
Perforated back for angle modular work bench, 4 pcs set	990BA	229
Perforated back, 2 pcs set	990B	229
Pin punch	641/6	186
Pin punch set	647	187
Pin punch with handle	641/6HS	186
Pin punch with handle, for safe work at heights	641/6HS-H	320
Pin punches set	647A	187
Pin punches set	647B	187
Pin wrench for ring nuts	254	36
Pipe wrench 45", Swedish pattern	481/6	107
Pipe wrench 45", Swedish pattern, for safe work at heights	481/6-H	319
Pipe wrench 45", Swedish pattern, S - form	482/6	107
Pipe wrench 90", Swedish pattern	480/6	107
Piston ring compressor	2205	306
Plastic box for socket wrenches	981PB4	241
Plastic box for socket wrenches	981PBS1	241
Plastic box for socket wrenches	981PBS2	241
Plastic box for socket wrenches	981PBS3	241
Plastic box for socket wrenches	981PBS5	241
Plastic box for socket wrenches	981PBM1	241
Plastic box for socket wrenches	981PBM2	241
Plastic box for socket wrenches	981PBM3	241
Plastic box for socket wrenches	981PBM5	241
Plastic box, 10 pcs set	PB990H-PBMOD	236
Plastic box, 3 pcs set	PB990H-PB	230
Plastic clamp	1351V	138
Plastic clamp	1352V	138
Plastic jaw for 449/1PYTHON	449/1	94
Plastic tool box	917A	238
Plastic tool box	917C	238
Pliers set in carton box	402A	86
Pliers set in carton box	402B	86
Plumb	1290/5	271
Pneumatic angle die grinder	1516A	258
Pneumatic angle grinder	1518	259
Pneumatic angle sander	1517S	258
Pneumatic die grinder	1516	258
Pneumatic drill	1515	257
Pneumatic drill with handle	1515H	257
Pneumatic duster	1508A	259
Pneumatic filter regulator and lubricator 1/2"	1502	259
Pneumatic filter regulator and lubricator 1/4"	1500	259
Pneumatic filter regulator and lubricator 3/4"	1503	260
Pneumatic filter regulator and lubricator 3/8"	1501	259
Pneumatic reversible ratchet	1531	250
Pneumatic reversible ratchet	1551	251
Pneumatic sander	1510	256
Pointed chisel	670/6A	189
Pointed chisel	1514A2	256
Pointed chisel with guard	670/6AHS	189
Pointed tweezers	1345	298
Power support for modular work bench	990PNE	223
Power support for modular work bench	990PNE-BLACK	224
Powershark cutter	467SHARK/4DP	88
Powershark cutter	467SHARK/4DP	114
Premium set for computer service	1016B	333
Professional auto inspection set	2084	302
Pruning saw	752	290
Pruning shears	542/4PR	151
Puller with three adjustable arms	682/2	176
Puller with two adjustable arms	680/2	174
Puller with two sliding arms	681/2	174
Puller with two sliding arms	683/2	175
PVC pipe cutter	583/6	114
PVC pipe cutter	583/6	146

<b>Q</b>		
Quick change retainer for 1514	15142B	257
Quick coupler pliers for fuel pipes	2079/2BI	301
Quick IRONGATOR engineer's vice with quick moving system	721Q/6	288

<b>R</b>		
Rail for 1/4" sockets	188H	56
Rail for 3/8" sockets	238H	63
Rail for sockets 1/2"	190H	69
Ratchet combination wrench	160/2	34
Ratchet combination wrench, for safe work at heights	160/2-H	312
Ratchet combination wrench, for safe work at heights	160/2-H	313
Ratchet for bits 6,3	188.1/1BBI	54
Ratchet insert tool for 266	266INS.1	266
Ratchet ring wrench	170/2	35
Rear stand for motorcycle with universal adaptor	3001/6A	282
Rear stand for motorcycle with V adaptor	3001/6B	282
Replacement square 1/2"	19010	69
Reversible blade with TX profile	636TX	161
Reversible ratchet 1"	199/1.1	75
Reversible ratchet 1/2"	190/1/ABI	67
Reversible ratchet 1/2", for safe work at heights	190/1/ABI-H	314
Reversible ratchet 1/4"	188.1/1ABI	53
Reversible ratchet 3/4"	197/1.1	73
Reversible ratchet 3/8"	238.1/1ABI	60
Reversible ratchet 3/8", long form	238.1/1ALBI	60
Reversible screwdriver	636	161
Reversible screwdriver	636A	161
Revolving punch pliers with 6 punches	558/5P	106
Right support	9905R	230
Right support	9905R-BLACK	230
Rivet and welding slag chisel	1514A3	256
Rod for 215/2	215.1/2	39
Rod for 216/1	216.1	40
Rotor and sprocket holding tools	3051/2BI	276
Round file with handle, bastard	763H/8	293
Round file with handle, half smooth	763H/1/2S	293



Socket wrench with T-handle	193N	37	Tool cabinet	948E2	242	V edge chisel	1514A5	257
SOS tool tray for 911	91TVSOS	237	Tool cabinet mounted under bench top	990NDH	226	Valve seal removal set for motorbikes	3059	277
SOS tool tray for sockets 12p for 911	VL911N1ZSOS	351	Tool carriage Economic	940ECO	215	Variable joint "HYPO" pliers	442/HYPO	94
SOS tool tray for sockets for 911	VL911NGSOS	351	Tool carriage Europlus	920PLUS1	207	Variable joint "HYPO" pliers, for safe work at heights	442/HYPO-H	317
SOS tool tray with compartment for work bench narrow drawer cabinet	VL990ND	231	Tool carriage Europlus	920PLUS2	207	Variator and clutch drive holder tool with ring wrench	3057/2	279
SOS tool tray with compartment for work bench narrow drawer cabinet	VL990ND1	231	Tool carriage Eurostyle	940E1	211	Voltage tester 220 - 250 V	630VDE	134
SOS tool tray with compartment for work bench narrow drawer cabinet	VL990ND2	232	Tool carriage Eurostyle	940E3	211	<b>W</b>		
SOS tool tray with compartment for work bench narrow drawer cabinet	VL990ND3	232	Tool carriage Eurostyle	940E4	211	Wardrobe cabinet, 2 compartments	950/2	246
SOS tool tray with compartment for work bench narrow drawer cabinet	VL990ND4	232	Tool carriage Eurostyle	940E4/1L	212	Wardrobe cabinet, 3 compartments	950/3V	246
SOS tool tray with compartment for work bench wide drawer cabinet	VL990WD	232	Tool carriage Eurostyle	940E6	213	Wardrobe cabinet, 6 compartments	950/6	246
SOS tool tray with compartment for work bench wide drawer cabinet	VL990WD1	232	Tool carriage Eurostyle	940E7	213	Wardrobe cabinet, 9 compartments	950/9	246
SOS tool tray with compartment for work bench wide drawer cabinet	VL990WD2	232	Tool carriage Eurovision	940E9	208	Waterpump box joint pliers	449/1PYTHON	94
SOS tool tray with compartment for work bench wide drawer cabinet	VL990WD3	233	Tool carriage Eurovision	940EV1	208	Waterpump box joint pliers	447/6	95
SOS tool tray with compartment for work bench wide drawer cabinet	VL990WD4	233	Tool carriage Eurovision	940EV3	209	Waterpump box joint pliers	447/7	95
Spade chisel	1514A6	257	Tool carriage Eurovision	940EV4	209	Waterpump box joint pliers	447/1VDEDP	127
Spade pointed tweezers	1348	298	Tool carriage Eurovision with BLOCK safety system	940EV6	210	Waterpump pliers	447/1HPP	93
Spare aluminium jaws for 721/6 and 721Q/6	722.1AL	289	Tool carriage Eurovision with BLOCK safety system	940EV4BLOCK	209	Waterpump pliers	447/4R-PP	94
Spare blade for 550/3PR	5502/9	151	Tool carriage Hercules	940EV7BLOCK	205	Waterpump pliers	441/7PR	95
Spare blade for 750B, 2 pcs set	750.1B	290	Tool carriage Hercules	940H1	205	Waterpump pliers, for safe work at heights	447/1HPP-H	318
Spare blade for 755	755.1	290	Tool carriage Hercules	940H2	206	Waved plastic insert for 950/9,6,3,2,1	950/4	246
Spare blade for art. 555/6	555.1/9	151	Tool carriage Hercules	940H2-BLOCK	206	Welders' lock - grip pliers	432/3A	105
Spare chain for item 2082/3	2082.1	302	Tool carriage Hercules with block system	940H2BLOCK	205	Welders' lock - grip pliers	432/3C	105
Spare cutter for 583/6	583.1/7A	146	Tool carriage Jumbo	940JUMB01	196	Wheel and rack grip pliers	434/3A	105
Spare cutter for 583/6	583.1/7B	146	Tool carriage Jumbo	940JUMB02	197	Wheel and rack grip pliers	434/3B	105
Spare cutting edge for 596PLUS/6G	596.3PLUS/7	149	Tool carriage Jumbo	940JUMB03	198	Wheel and rack grip pliers	434/3C	105
Spare cutting edges for 596PLUS/6G	596.2PLUS/7	149	Tool case	965L	243	Wheel and rack grip pliers	434/3D	106
Spare jaw for 585/6	585.1/7	112	Tool case	965S	203	Wheel nut wrench	210/2	45
Spare jaw for 585/6	585.1/7P	146	Tool charging station	991LMS/PS1	243	Wheel nut wrench	212/2	45
Spare jaw for 585/6P	585.1/7P	146	Tool chest Eurostyle - 3 compartments	938/3V	236	Wide drawer cabinet - 2 drawers and door	990WDD2	222
Spare jaw for 596PLUS/6G	596.1PLUS/7	148	Tool chest Eurostyle - 5 compartments	939/5E	237	Wide drawer cabinet - 6 drawers	990WDD6	222
Spare jaw for 721/6 and 721Q/6	722.1/7	289	Tool chest Eurovision - 3 compartments	939/3EV	237	Wide drawer cabinet - 6 drawers	990WDD6LC100	222
Spare parts for 596/6A	596.1/7A	150	Tool chest Eurovision - 4 compartments	939/4EV	237	Wide drawer cabinet - 8 drawers	990WDD8	222
Spare parts for 596/6B	596.1/7B	150	Tool for controlling cam belt tension for motorcycle	3201/2	280	Wide drawer cabinet - 8 drawers	990WDD7	222
Spare parts for 598/6	598.1/7	150	Tool for rotating camshaft pulley	2203/2B1	306	Wide drawer cabinet underbase	990WDDU	222
Spark plug socket 3/8"	1864/2	57	Tool for torx valves	2042/2	305	Wire rope shears	585/6P	146
Spark plug socket 3/8"	1864/2A	57	Tool keeper	1110	318	Wire stripper	380	100
Spark plug socket 3/8" with thin wall, 6 point	3058/2	277	Tool lanyard leadingedge TL-E-DD	1108DD	321	Wire stripper	380	115
Spark plug wrench	185/2	46	Tool lanyards leadingedge TL-E-DB	1108DB	321	Wire stripping pliers	478/1B1	97
Spinner handle 1/4"	1888	55	Tool lanyards leadingedge TL-E-DS	1108DS	321	Wire stripping pliers	478/4G	97
Spiral pneumatic hose	1505	260	Tool rack wall for 940EV	940.1EV	210	Wire stripping pliers	478/1B1	115
Spoke wrench for motorcycle	3301/2	280	Tool rack wall for 940H	940.1H	206	Wire stripping pliers	478/1VDEBI	132
Spray holder for 940H	940H55	206	Tool set	1000A	348	Wire stripping pliers	478/1VDEDP	132
Spring clip pliers	2077/2B1	300	Tool set	1000AC	348	Wooden bench top	990TW	228
Spring for 1514	1514.1B	256	Tool set	1000AD	348	Wooden plate for 940E and 940EV	940ES9	214
Spring hook	3600/2B1	283	Tool set	1000B	349	Work bench	946A	215
Square (SQ) bit, 3 pcs set	6515E63	167	Tool set	1000D	349	Work bench with cabinet	946AC	215
Square file with handle, bastard	765HB	294	Tool set	1000S	349	Work bench with cabinet with roller shutter	946ACR	216
Square file with handle, half smooth	765H1/2S	294	Tool set	1000T	349	Worktable	946G	216
Square file with handle, smooth	765HS	294	Tool set BI in bag	905B1	350	Wrench for oil drain plugs	175/2	46
Stainless worktop	990TVS	228	Tool set CR in bag	905CR	350	Wrench for reservoir	1978/2	179
Stand for motorcycle wheel alignment	3302/6	280	Tool set in artificial leather bag	902/2	350	Wrench with TX profile	220/7TXN	45
Starter and block wrench	200/2	46	Tool set in SOS tool tray	964/2ZSOS	339	Wrench with TX profile and hole	220/7TX	44
Storage&transport metal tray	991LWSS1	203	Tool set in tool case	971/1B1	350	2-in 1 Plastic hammer	820B	283
Straight tweezers	1340VDP	137	Tool set in tool case	971/3VDE	350			
Strap for 205/2	205.1	46	Tool set VDE BI in bag	905VDEBI	138			
Strap wrench	205/2	46	Tool set VDE BI in bag	905VDEBI	350			
Stroke pneumatic hammer	1514	256	Tool set VDE BI in bag	906VDEBI	138			
Stroke pneumatic hammer, with set of chisels	1514PB	257	Tool set VDE BI in bag	906VDEBI	351			
Strong reversible ratchet 1/2"	190.1/1G	67	Tool set VDE in tool case	971/2VDE	350			
Stubby crosstip (PH) screwdriver CR	626CR	160	Tool set with tool box 912/5	930	351			
Stubby crosstip (PH) screwdriver TBI	626TBI	160	Tool set with tool box 912/5	931	351			
Stubby double-crosstip (PZ) screwdriver CR	628CR	162	Tool set with tool box 912/5	932	351			
Stubby double-crosstip (PZ) screwdriver TBI	628TBI	161	Tool set with tool carriage 920PLUS1	1011FPLUS1	329			
Stubby flat screwdriver CR	627CR	157	Tool set with tool carriage 940ECO	1011GECO	330			
Stubby flat screwdriver TBI	627TBI	157	Tool set with tool carriage 940EV4	1011BEV4	326			
Stubby impact wrench	1563	252	Tool set with tool carriage 940EV6	1011AEV6	325			
Support for angle modular work bench, 2 pcs set	990LB	228	Tool setwith tool carriage 940EV4	1011CEV4	328			
Suspension compressor for shock absorber springs	2051/4	177	Tool setwith tool carriage 940EV6	1011DEV6	327			
Swivel base for 721/6 and 721Q/6	721.1/6	289	Tool tray with foldable arm for 990	h8990un	235			
Swivel handle 1/2"	1902/1B1	68	Torque multiplier	280	268			
Swivel handle 1/4"	1882/2B1	54	Torque wrench	263	266			
Swivel handle 3/8"	2382/1B1	61	Tower pinners	531/4	103			
<b>T</b>			Tower pinners	531/4P	104			
Tablet holder with foldable arm for 990	h8990tab	235	Tower pinners	531/4PR	104			
TBI handle for bits 6,3	638TBIG3	165	Tree pruner	555/6	151			
Telescopic magnetic pick-up tool with light	2083	302	Triangular spoon scraper	777/6C	295			
T-handle ball-end hex wrench	193HKS	41	Trim pin remover	1940/2B1	304			
T-handle hex wrench	193HX	40	Trim pin remover	1940.1/2B1	304			
T-handle hex wrench, for safe work at heights	193HX-H	313	Trim pin remover	1940.2/2B1	305			
Thread corrector for 586/6	586.3/7	148	Try square	1260/7	269			
Thread pitch gauge	701A	271	Try square	1263	270			
Threaded rod cutter	586/6	147	Try square with back	1260/7A	270			
Three-square file with handle, bastard	764HB	294	Tube bending set	352/6PB	299			
Three-square file with handle, half smooth	764H1/2S	294	Tube cutter	358/6A	290			
Three-square file with handle, smooth	764HS	294	Tube cutter	360/6A	291			
Tile pinners	528/4BP	106	Tube cutter	360/6B	291			
Timing pulley puller	2210/2	178	Tube cutter	361/6A	291			
Tin snips "berliner" type	568R/7P	145	Tubular box wrench	215/2	39			
Tin snips "ideal" type	568R/7P	145	TX profile bit, 3 pcs set	6472C63	166			
Tin snips "ideal" type	568L/7P	144	TX profile bit, 3 pcs set	6472TINC63	166			
Tin snips "pelican" type	592R-PLUS/7DP	145	TX profile bit, 3 pcs set	6492C8	167			
Tin snips "pelican" type	592R/7PR	145	TX profile screwdriver with T-handle	193TX	41			
Tin snips "pelican" type	567R/7P	145	Tyre lever	300/2	296			
Tin snips straight	573/7P	145	Tyre lever	300/2A	296			
Tool bag	1112	244	Tyre lever with handle	300/2C	296			
Tool bag with wheels	1113	244	<b>U</b>					
Tool belt	1107	321	Universal adaptor for rear stand	3001.1	282			
Tool box	960/1	239	Universal clutch aligner	2206	306			
Tool box	960/2	239	Universal joint 1"	199/6/1	76			
Tool box	960/3	239	Universal joint 1/2"	190/6/2	68			
Tool box - 1 compartment	912/1	237	Universal joint 1/4"	188/6/2	55			
Tool box - 3 compartments	912/3	237	Universal joint 3/4"	197/6/1	74			
Tool box - 3 compartments	914/3	238	Universal joint 3/8"	238/6/1	61			
Tool box - 5 compartments	911/5	237	Universal kneeling and sitting pad	1863	306			
Tool box - 5 compartments	912/5	238	Universal lock - grip pliers	429/3	104			
Tool box - 5 compartments	914/5	238	Universal lock - grip pliers, for safe work at heights	429/3-H	319			
Tool box - 5 compartments	915/5	238	Universal timing pulley puller	2210/2A	178			
Tool box - 5 compartments	915/5	238	Universal tin snips	563R-PLUS/7DP	144			
Tool cabinet	949	242	Universal tin snips	563L-PLUS/7DP	144			
Tool cabinet	949.1	242	Universal tin snips	563R/7PR	144			
Tool cabinet	949.2	242	Universal tin snips	563L/7PR	144			
Tool cabinet	948E1	242	Universal variation holder tool	3057.1/2	280			
<b>V</b>			Universal welding pliers	436/4P	106			
V adaptor for rear stand			Utility knife	556A	296			
			Utility knife	556B	296			
			Utility knife, for safe work at heights	556A-H	321			





## **UNIOR WARRANTY**

UNIOR tools are known worldwide for high quality that allows the user to complete jobs more quickly and reliably. We are so confident in the quality we offer the UNIOR Lifetime Warranty. Should your tool ever malfunction from defects in workmanship or materials, we will repair or replace the tool free of charge.

### **What is Covered**

UNIOR tools are warranted to be free of material and workmanship defects.

### **How Long Coverage Lasts**

This warranty lasts for the lifetime of the UNIOR tool excluding pneumatic and measuring tools, which are covered for a period of one year from date of sale. Warranty coverage ends when the product becomes unusable for reasons other than defects in workmanship or material.

### **How to Obtain Service**

If your product becomes defective, return it to the distributor where you purchased it, who will in turn return it to the UNIOR distributor for that country.

### **What We Will Do to Correct Problems**

Warranted products, found to be defective due to faulty workmanship or material will be repaired or replaced, at UNIOR'S discretion, and returned at no charge.

### **What is Not Covered**

Failures due to misuse, abuse or normal wear and tear are not covered by this warranty. UNIOR will not be responsible for any incidental or consequential damages.

### **How Local Laws Relate to the Warranty**

Some areas do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary, from state to state, province to province, or country to country.

### **No Other Express Warranty Applies**

This Full Lifetime Warranty is the sole and exclusive warranty for UNIOR products. No employee, agent, dealer, or other person is authorized to alter this warranty or make any other warranty on behalf of UNIOR.

### **Executing the UNIOR Lifetime Warranty**

UNIOR offers a comprehensive lifetime warranty to support products purchased under the UNIOR brand. In the event that you have a problem with your UNIOR product due to a defect in materials or poor workmanship, we will attempt to remedy the problem in accordance with our printed warranty policy as quickly as possible.

### **NORMAL WEAR AND TEAR:**

Commonly, our tools are used in the most demanding conditions. Under these conditions and over time, UNIOR products may experience normal wear and tear and require service, this is not covered by the lifetime warranty. For many of our products we offer spare parts to maximise the life of our tools, this particularly applies to pneumatic and measuring tools. Full details are available on our website [www.uniortools.com](http://www.uniortools.com) or your local distributor will be pleased to help.

### **DEFECTS IN MATERIALS OR WORKMANSHIP:**

It is our experience that if a product that fails prematurely due to a manufacturing defect in materials or workmanship, will generally do so very early in the product's life cycle, often the first or second time the product is used. When returned for inspection, these products are generally found to still be in as new condition and show very little signs of use. It is uncommon for a product that was manufactured with a defect, to survive under normal use for any extended period of time. Products that are returned for warranty inspection after months or years of continuous reliable service are rarely found to be defective, failure being generally due to wear and tear. In such cases the tools are not covered by the lifetime warranty.

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The product images in the catalogue are purely symbolic and intended to show the current state of the products. Since we are constantly working to improve our products, their appearance and technical specifications are subject to change. We are not liable for any printing errors and we apologise for them.

We reserve the right to change prices without prior notice. The Unior General Terms and Conditions of Sale and Supply apply to all transactions.



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