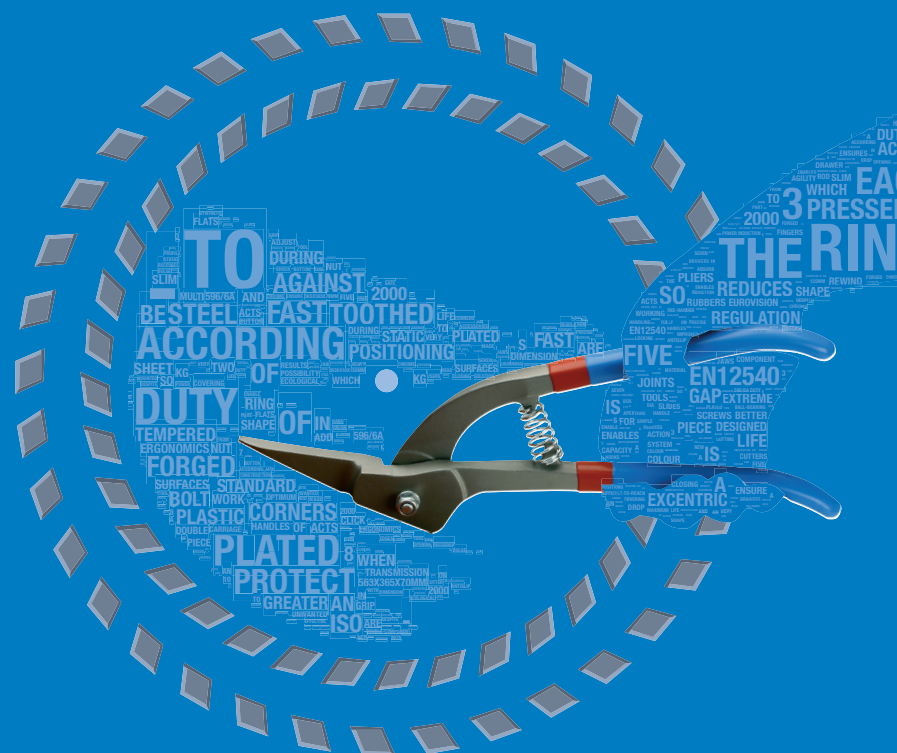
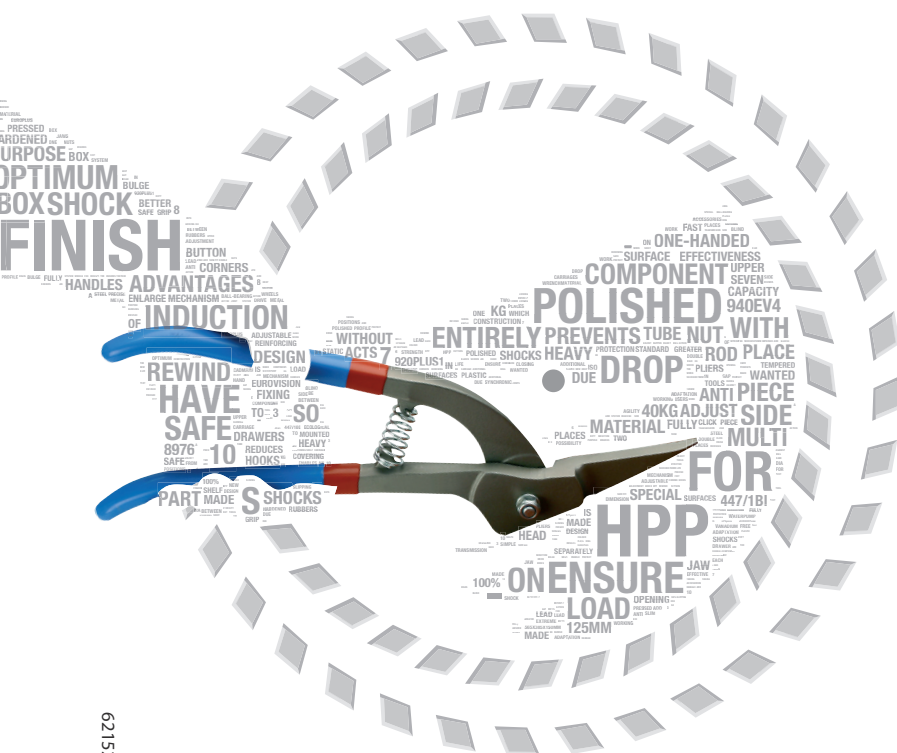


EN



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www.uniortools.com





Milestones of the Unior corporation

From Styria to the world

On the outskirts of the Pohorje Mountains, the first ironworks (foundries) were established in the 18th century. They operated as larger forges, in which land and tradesmen's tools were fashioned by hand.

Infinite enthusiasm gives us the strength to reach milestones

Through permanent development while realising the necessity of changes and a competitive advantage we are consistently taking on new challenges with regard to all activities of the company thus ensuring successful operations.



In 1919 the Štajerska železindustrijska družba (Styrian Iron Industry Company) forging plant, with the shortened name Štajerska Zreče, was established. It produced forged hand tools for farming, forestry and various other trades.



In 1950 the plant, burned down during the war and partially renovated in the years following the war and bearing the new name of Tovarna kovanega orodja Zreče (TKO) came under state ownership. New capacities (tool shop and hand tools mechanical processing plant) comprised the basis for developing two production lines: hand tools and drop forgings.



In the 1970s the plant equipped with a new development strategy also obtained a new name: Unior, tovarna kovanega orodja Zreče. The new name was formed from the words "Univerzalno Orodje" (Universal Tools), by which the company had been known for a long time.



In the mid-1970s Unior began building the Rogla climatic health resort and Olympic centre on Pohorje, and a few years later construction of the Terme Zreče spa commenced and with it, the Tourism Programme.



In 1997 this successful Slovenian company with stable international partnerships was transformed into the UNIOR, d. d. joint stock company. Already at that time, the company had been operating in accordance with ISO 9001 quality standards.



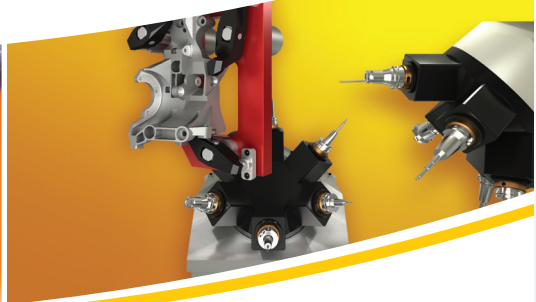
By the 1980s Unior had established its name as an important partner of the European automotive industry, namely as one of the largest European producers of light forgings and as one of the largest European producers of connecting rods for petrol engines. Initial development was enabled by a contract with the Renault concern, on the basis of which a joint-venture plant for the production of forgings was built in Zreče. At the same time, Unior developed its production of homokinetic joints and machine tools, initially intended for the company's own needs.

Unior Joint-Stock Company is today one of the largest and most important Slovenian exporters. With its five production segments company follows the tradition of a high quality and innovation. Committed to high utilization of own capacities, Unior enhances the brand awareness through more than 2400 employees and 32 group companies around the world.



2016

A COMPLETE SOLUTION - A COMPLETE LIFE CIRCLE



FORGING PARTS AND SINTER

By drop forging steel and machining, we make forging parts for control mechanisms and gearboxes, supporting parts of chassis, components for drive shafts and sinter forging parts for the most renowned European and global makers of vehicles: VW, Audi, Renault, Dacia, BMW, ZF Lemförder & ZF Lenksysteme, Jtekt, GKN, Arvin Meritor, BPW, Schäffler KG, Betek and Cimos. Various certificates, tests and awards for excellence confirm the quality of forging parts made in Unior.

SPECIAL MACHINES

Unior mechanical equipment provides comprehensive solutions, ranging from the concept stage to the finished product. Besides specific CNC machine tools for the serial working of aluminium castings or forging parts, Unior also offers flexible production cells, machines for deep hole drilling, for working ends and for working chassis parts, machines with a rotary table and special purpose machines. Unior is a supplier of machines for renowned car manufacturers such as VW, BMW, Audi, Daimler etc.



TOURISM

Unior, which operates in the shelter of the Pohorje mountain range, surrounded by an attractive landscape, is developing two interrelated tourist centres. The Rogla climatic health resort, Olympic centre and winter sports centre is especially interesting for professional athletes and recreational athletes, while the Terme Zreče spa is ideal for those seeking health and wellbeing. Both connected health resorts with their modern capabilities are an excellent choice for family holidays, health rehabilitation and preparation for top athletes.

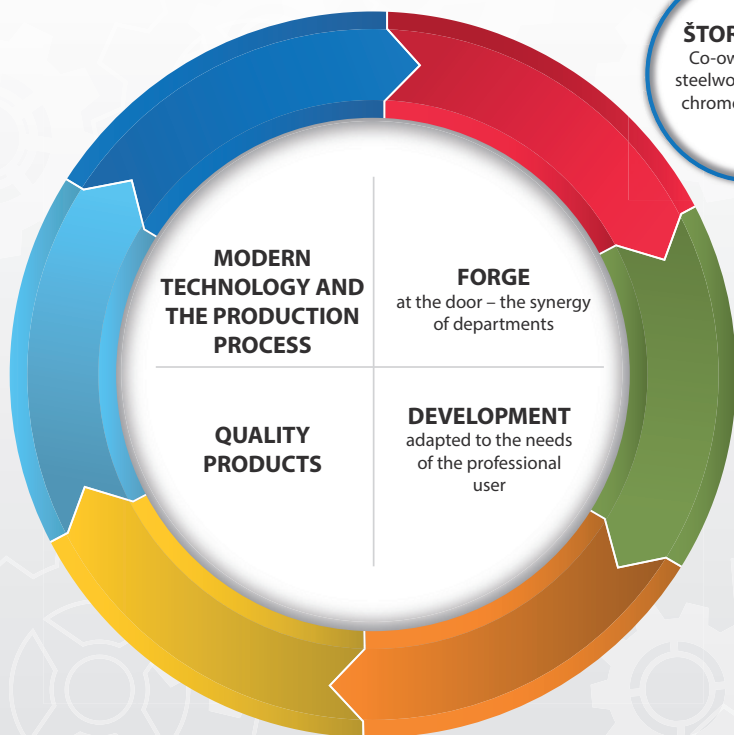
www.rogla.eu | www.terme-zrece.eu

HAND TOOLS

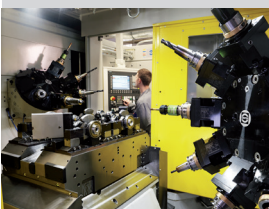
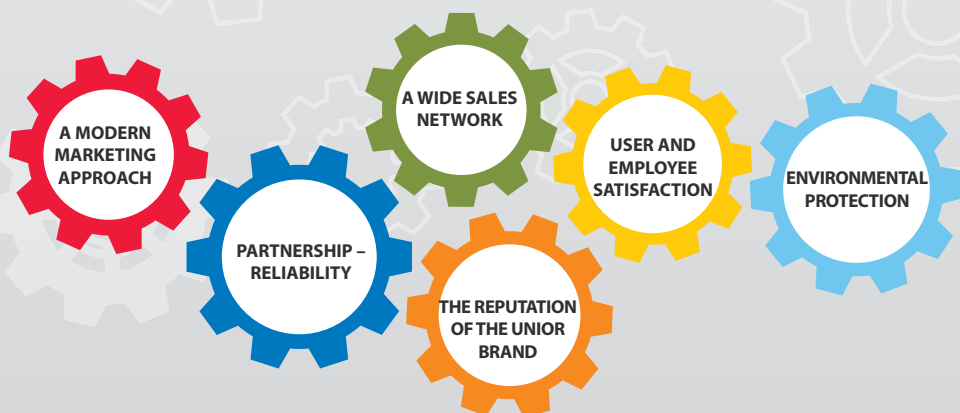
The development of Unior hand tools constantly follows the requirements of professional and amateur craftsmen all over the world. Top quality materials and original design solutions are the basis of the extreme practicality, effectiveness and long service life of more than 5,500 hand tools. The availability of tools is ensured by a multi branch distribution network. With its cold forged products, Unior is an important supplier of tools for the European industry.

ŠTÖRE STEEL

Co-owner of the
steelworks material:
chrome vanadium
rods



PARTNERSHIP



EUROVISION tool carriages are available in the following colours:



blue



orange



red



green



black



white



anthracite grey



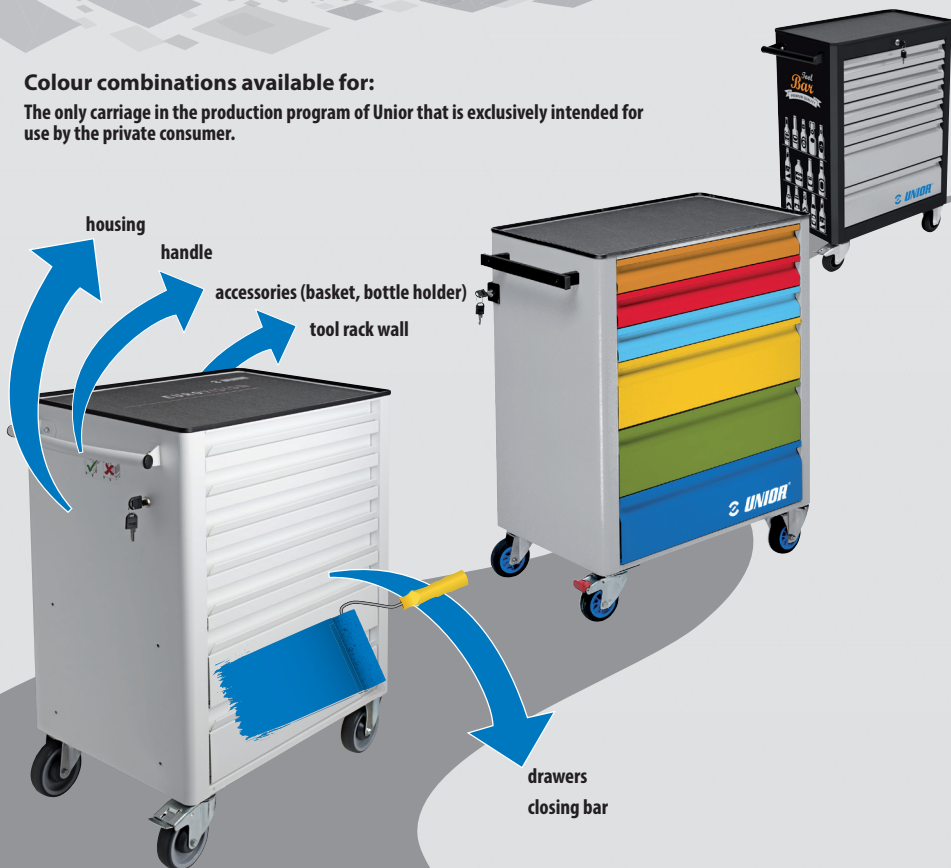
grey

Advantages

- Design your carriage to match the colour of your workshop
- If you choose a special colour for each drawer, you will always know exactly what is inside
- Additional motivation for employees

Colour combinations available for:

The only carriage in the production program of Unior that is exclusively intended for use by the private consumer.





SOS tool tray

- We can produce SOS tool trays according to your needs and wishes
- Tell us your wishes and we will prepare an offer for you
- The trays are available with a thickness of 2, 3 and 4 cm
- In a blue/black colour combination
- Your tool carriage will never be untidy again
- The drawers only contain the tools that you need.
- 100% neatly organised
- You will immediately spot if something is missing.
- Quality design guarantees long-term use
- For extra-demanding work

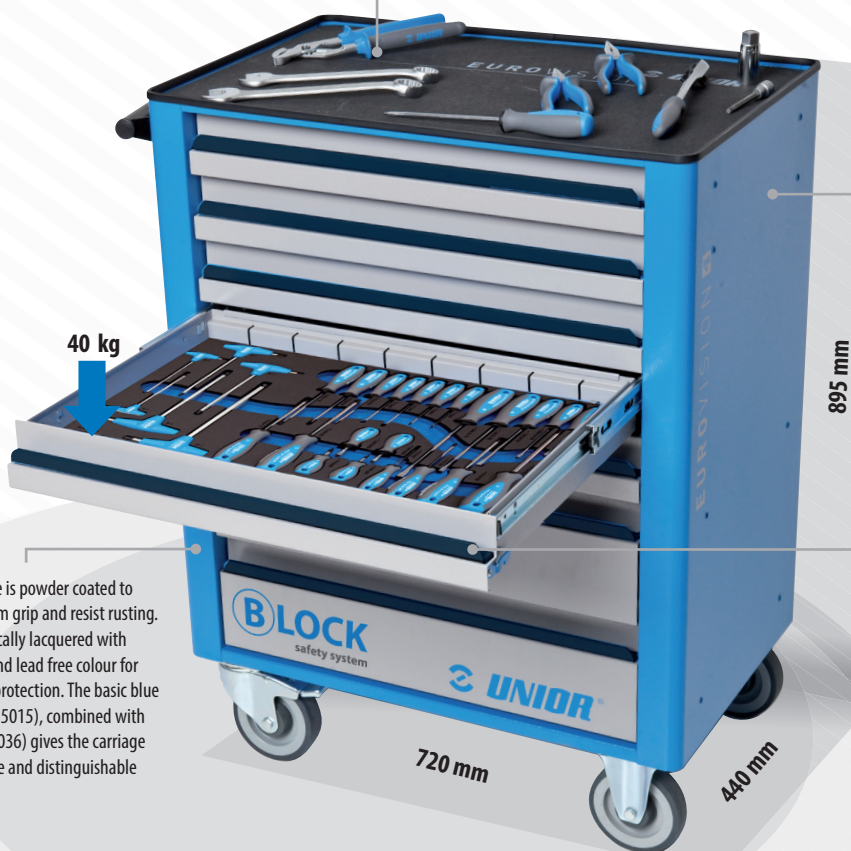


Unior creates for you solution on safety use of Tools for Working at Height and also solution with RFID technology, where are control and traceability necessary.

940EV4BLOCK | Tool carriage Eurovision with BLOCK safety system

Special ANTI-SLIP covering offers damage protection for the drawer, as it prevents tools from sliding during opening and closing of the drawer.

4x Ø125mm



The carriage is powder coated to enable a firm grip and resist rusting. It is ecologically lacquered with cadmium and lead free colour for additional protection. The basic blue colour (RAL 5015), combined with grey (RAL 7036) gives the carriage an attractive and distinguishable look.

	EuroVision CLASSIC	EuroVision with BLOCK system
BLOCK system	No	Yes
Drawer closing mechanism	Yes, blue	Yes, black
	619885	625000
	720x440x895	720x440x895

BLOCK

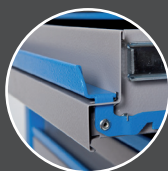
safety system

NEW Block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and can not be opened.

High quality and functionally designed drawers feature elegant handles which enable the drawers to be opened from the top. The drawers come in two different sizes and two heights – 75 mm or 155 mm. A strong construction design enables a load capacity of 40 kg.



Durable 125 mm diameter wheels with a safety brake enable mobility and stability, even if rolled fully loaded over a cable. Proper rolling stability is very useful especially on uneven workshop floors or in the yard.



Drawer closing mechanism prevents unwanted opening of drawers.



The 400 mm ball-bearing slides are of higher quality, compared to standard models. This means load capacity increased by 10%, while the drawer still runs smoothly and quietly. Drawers can be taken out easily – with a simple push of the plastic safety buttons.



The lock is installed on the side wall, just under the handle. Thus the key cannot be damaged and due to its flexibility does not cause any obstructions when handling.



920PLUS | Tool carriage Europlus

Material

- Perforated sheet metal
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- locking system
- Protective closing mechanism of drawers
- Multi-purpose shelf
- ANTI-SHOCK rubbers
- ecological lacquered with cadmium and lead free colour
- Wheels dia. 125 mm, for improved agility and stability

Dimensions:

Carriage: 810 x 510 x 945 mm

Large drawer: 565 x 385 x 150 mm

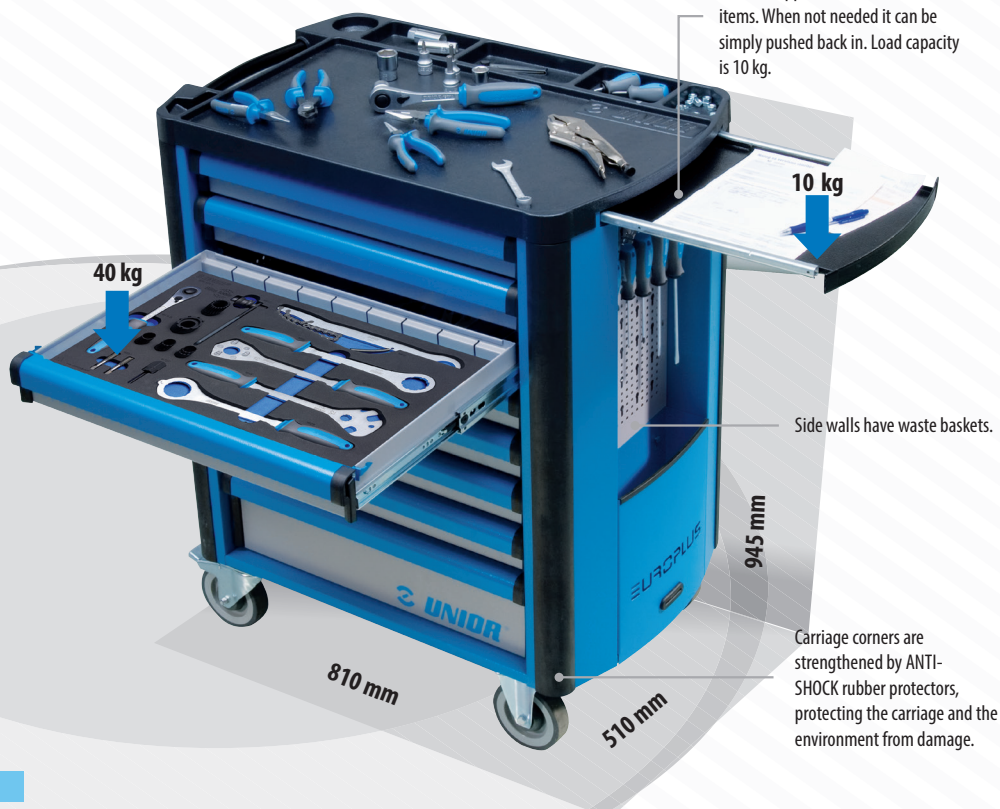
Small drawer: 565 x 365 x 70 mm

Capacity:

Drawer: 40 kg

Static load capacity without wheels: 2000 kg

Pull-out shelf (290 x 350 mm) can be used to support documents or other items. When not needed it can be simply pushed back in. Load capacity is 10 kg.



Art.	920PLUS1	920PLUS2
	617100	617101
	810x510x945	810x510x945
	8 drawers	7 drawers
	7x 563x365x70, 1x 565x385x150	5x 563x365x70, 2x 565x385x150

Accessories



Paper holder

Paper holder, available in two versions, ensures that paper is always close at hand (920 ES4A, 619445).



Partitions

EuroPLUS carriage drawers can be divided freely into different sized parts by installing partitions (920 ES3, 617823).



Tool trays

SOS* (964) tool trays from polyethylene foam will keep your tools well ordered and protected from damage.
SOS = Safety, Order, Survey



Tool rack wall for 920PLUS

A perforated sheet metal tool rack wall for hanging tools and other accessories can be attached to the EuroPLUS carriage (920.1, 619711).



New 400 mm ball-bearing slides are of higher quality compared to standard models. This means load capacity increased by 10%, while the drawer still runs smoothly and almost inaudibly. Drawers can be taken out easily – with a simple push of the plastic safety buttons.



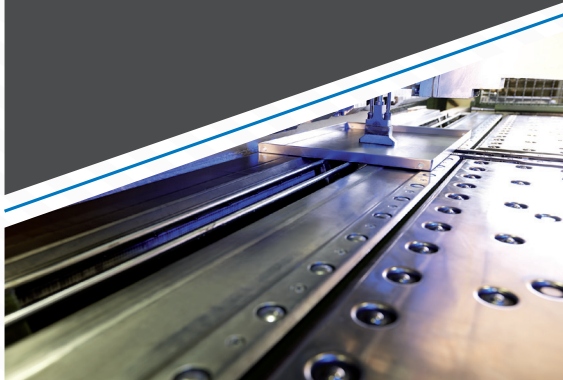
Drawer closing mechanism prevents unwanted opening of drawers.



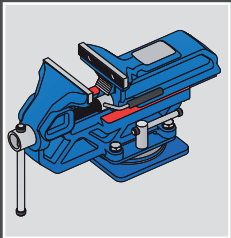
Special ANTI-SLIP covering offers damage protection for the drawer, as it prevents tools from sliding during opening and closing of the drawer.



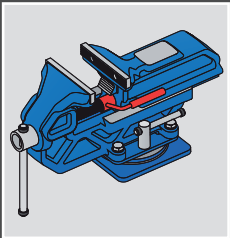
Durable 125 mm diameter wheels with a safety brake enable mobility and stability, even if rolled fully loaded over a cable. Proper rolling stability is very useful especially on uneven workshop floors or in the yard.



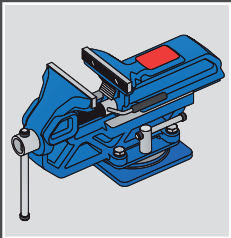
721Q/6 | Quick IRONGATOR engineer's vice with quick moving system



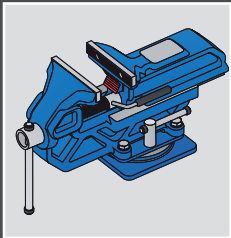
uniPRO slides ensure precise running of moving parts



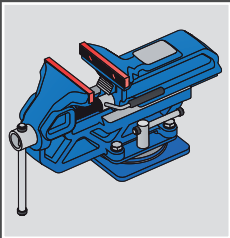
quick moving system



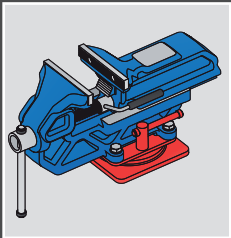
grounded working place



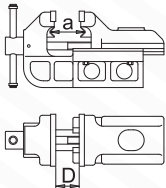
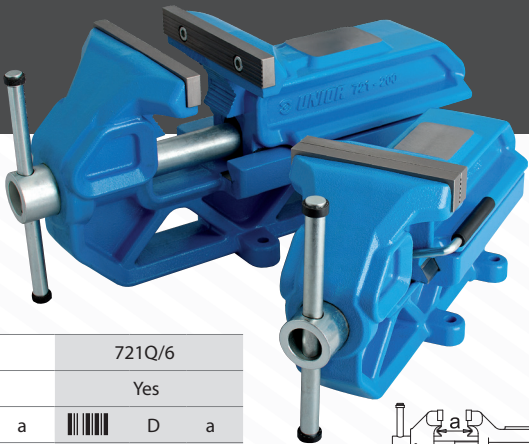
fixed jaws for pipes holding






drop forged jaws from tool carbon steel, hardened and tempered

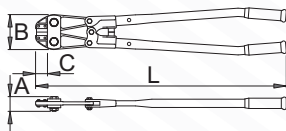


swivel base can be rotated for 360°



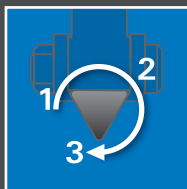
	721/6			721Q/6		
Quick moving system	No			Yes		
		D	a		D	a
80	621564	100	11-35	-	-	-
125	621481	160	17-62	621482	120	17-62
150	621567	190	20-66	621568	140	20-75
200	621570	220	24-80	-	-	-

596PLUS/6G | Bolt cutters with interchangeable triangular cutting edges



cutting capacity (10N=1kg)

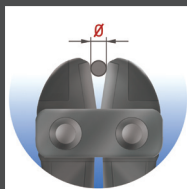
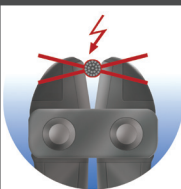
	L	max 1600 N/mm ² ØT	max 650 N/mm ² ØT	596.3PLUS/7	596.2PLUS/7	596.1PLUS/7
615256	750	8	13	616521	615260	615258
615257	900	9	16	616522	615261	615259



triangular blade

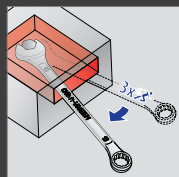


three times longer life span

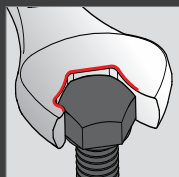


129/1 | Combination wrench IBEX

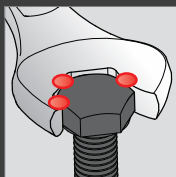
Wrench, which thinks that is the ratchet



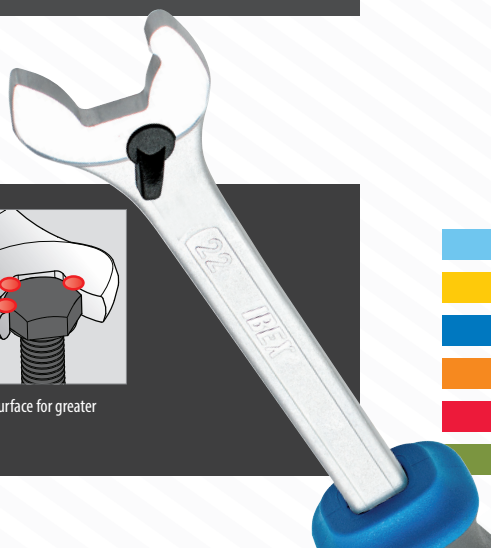
Enables 3-time faster work in comparison to standard combination wrench



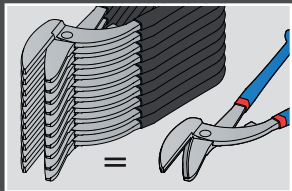
100% positioning of the wrench



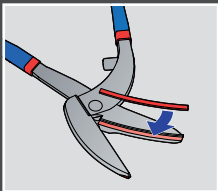
3 drive surface for greater power



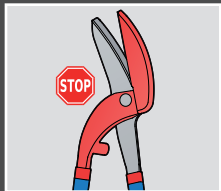
563PLUS | 567PLUS | 591PLUS | 592PLUS | Universal tin snips



10 times greater durability



Inserted blade for longer working life.

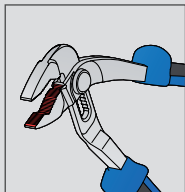


A special bulge prevents fingers to be pressed between the handles of the pliers.

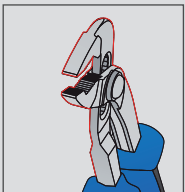


Art.	563PLUS		567PLUS		591PLUS		592PLUS
	Right	Left	Right	Right	Left	Right	
	615039	615040	615036	615043	615044	613196	
	280	280	290	260	260	350	
Cutting capacity sanded sheet 400N/m2							
	1,5mm	1,5mm	1,5mm	1,2mm	1,2mm	1,5mm	
Cutting edge hardness 64HRC							

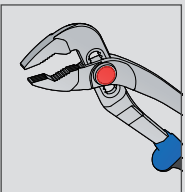
447/1HPP | Waterpump pliers



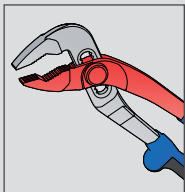
Toothed jaw is designed to ensure optimum grip of an object.



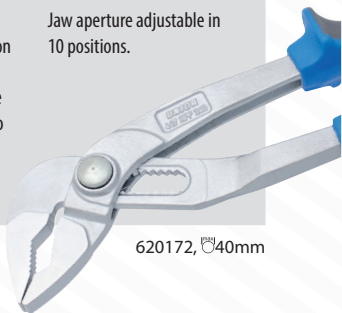
Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, work safety, and greater effectiveness.



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.

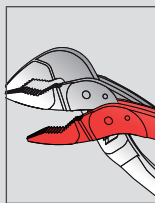


Jaw aperture adjustable in 10 positions.

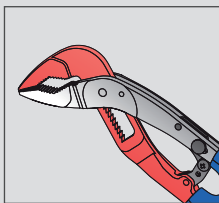


620172, 40mm

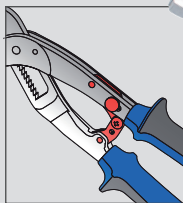
442/1HYPO | Variable joint "HYPO" pliers



maximum jaw aperture up to Ø40 mm.



The Hypo pliers are self-adjusting for which it is not necessary to preset the width of the jaws. one hand self adjusting operation

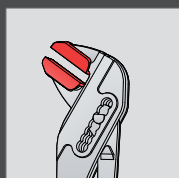


The locking mechanism enables easier storage when the pliers are not in use.

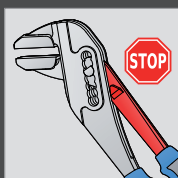


	616727	611780
	180	240
	33	40

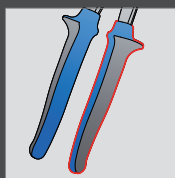
449/1PYTHON | Waterpump box joint pliers



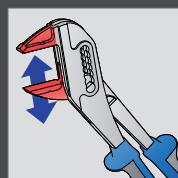
449.1 additional plastic jaws for work on chromed and polished work pieces



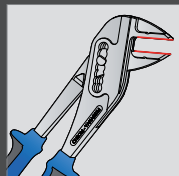
A special bulge prevents fingers to be pressed between the handles of the pliers.



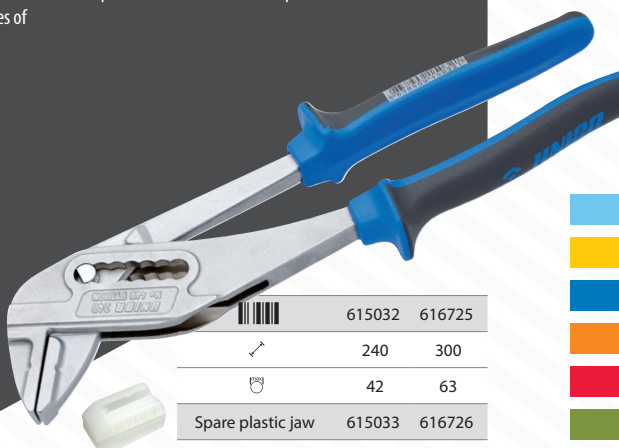
heavy duty double-component handles



jaw aperture adjustable in 7 positions

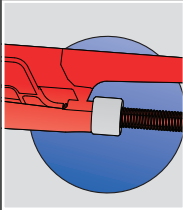


jaws are always parallel to protect the work piece from being damaged

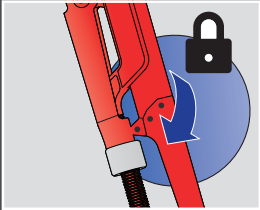


	615032	616725
	240	300
	42	63
Spare plastic jaw	615033	616726

483/6 | 483/6A | Grip pipe wrench



set the width of the grip by adjusting the pliers using the nut on the handle

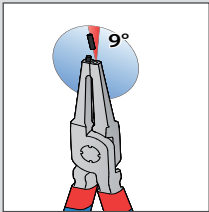


with minimal pressure on the lever on the handle a solid grip will be achieved and the pliers will remain locked in position

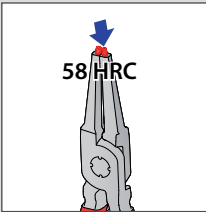


	483/6		483/6A	
	Serrated jaws		Smooth jaws	
	611781	613076	612668	612903
	1.1/2"	2"	1.1/2"	2"
	50	70	50	70

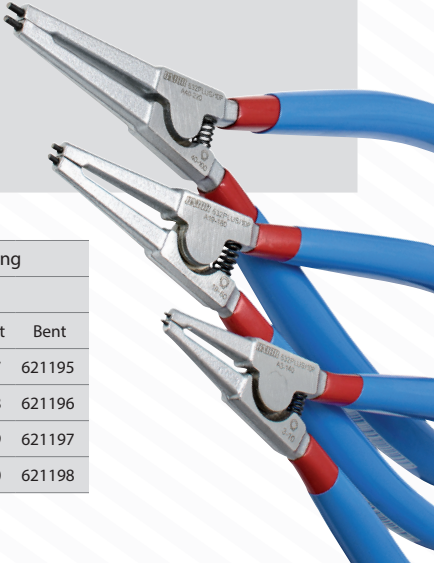
532PLUS/1DP | 536PLUS/1DP | 538PLUS/1DP | Lock rings pliers



The tips are inserted into the jaw at an angle that prevents the circlip from sliding off the tips

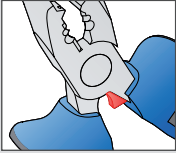


Tips hardened to 58 HRC prevent bending or breaking during the removal or insertion of circlips

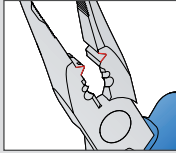


Internal, without spring				External, with spring			
Tips inserted at angle 9°				-			
		Straight	Bent			Straight	Bent
140	8-13	621203	621211	140	3-10	621187	621195
140	12-25	621204	621212	140	10-25	621188	621196
180	19-60	621205	621213	180	19-60	621189	621197
220	40-100	621206	621214	220	40-100	621190	621198

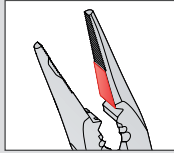
514/1BI | Multifunctional electricians pliers



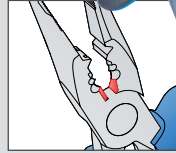
Crimping cable terminals up to Ø 4.0 mm.



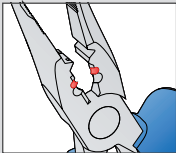
The pliers can be used for crimping insulated spade terminals.



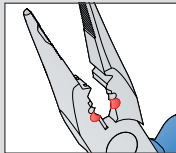
The ground part of the jaw is intended for gripping objects with sensitive surfaces.



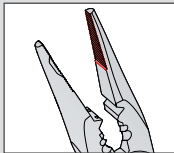
Cutting wires from Ø 2.2 mm to Ø 4.0 mm.



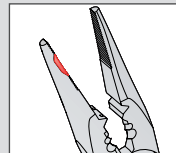
Stripping off insulations from Ø 2.2 mm to Ø 3.0 mm.



Stripping off insulations from Ø3.5 mm to Ø4.0 mm.

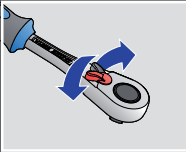


Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

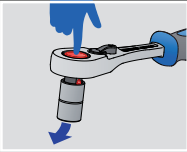


Winding hard wire and bending rings up to Ø 3.5 mm. Rings can be bent to the right or to the left, since the tool has appropriate teeth on both sides of the jaw.

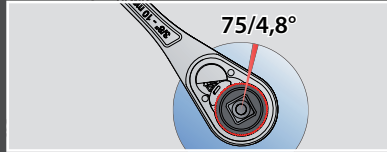
190.1/1FBI | Flexible reversible ratchet 1/2"



ratchet: works both way, screw direction can be changed with button



Safety lock system
Locking system prevents the socket slipping off the ratchet



75 - teeth; The more teeth, the smaller the angle of rotation, which means that it can be used in extremely tight spaces. More teeth and an improved mechanism also result in the ratchet's increased endurance, which exceeds the prescribed DIN standard by more than 30 %.

Classic					Flexible		
Art.			Teeth	Angle	Art.		
188.1/1ABI	611901	1/4"	40	9°	188.1/1FBI	618367	
238.1/1ABI	612501	3/8"	75	4.8°	238.1/1FBI	618368	
190.1/1ABI	611782	1/2"	75	4.8°	190.1/1FBI	618369	



Hand tools for live working up to
1000 V A.C.



Sign of the institution certifying
the tools (VERBAND DEUTSCHER
ELEKTROTECHNIKER).

A sign indicating that the tools
are in accordance with the signed
standard (DIN), which prescribes
the basic demands for tools
(dimension, hardness, mechanical
testing etc.).



Ultimate protection

Unior insulated VDE tools ensure
ultimate protection even when
used around live circuits with up
to a 1000-volt potential. The utility
of all tools is thoroughly verified
by means of the impact strength,
electrical, flame-retardancy,
insulation adhesion and stamp
tests, with each tool being tested
individually.



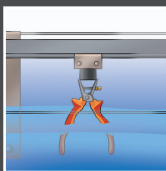
VDE regulations

VDE insulated and tested according
to the VDE regulations, Unior
tools for work in electrically
live environments meet the
requirements of the internationally
acknowledged European EN 60900
standard.



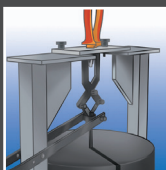
Flame retardancy test

The flame is applied to the test piece for 10
seconds. The test piece is acceptable if the
height of the flame on the burning handle
does not exceed 120 mm in an observation
period of 20 seconds after the burner has
been removed.



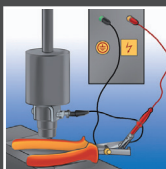
Electrical test (10kV)

Before testing the tools are immersed in
a bath of water at 23° C for 24 hours \pm 5
hours. The test pieces are acceptable if there
is no electrical discharge, spark over or
flashover, and if the current leakage is less
than 1mA for 20 mm insulation.



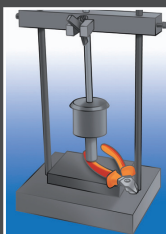
Insulation test

Before testing the test piece is heated to 70 C
 \pm 2° C for 168 hours. The hanger is loaded
with weights (500 N). The duration of test
is 3 minutes. The test piece is acceptable if
the handle remains firmly attached to the
conducting part.



Stamp test

The indenter is loaded with a weight of 20 N
and is applied to the centre of the handle. The
test is successful if the test piece subsequently
passes the electrical test.



Impact test

The test is carried out at a temperature
of - 23° C. The hammer is allowed to fall freely
on the test piece 3 times. The test piece is
acceptable if the handle is not cracked, broken
or does not show signs of flaking.

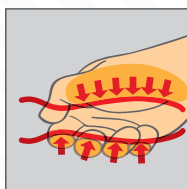
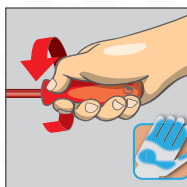


ERGONOMIC HANDLE!

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



SLIM

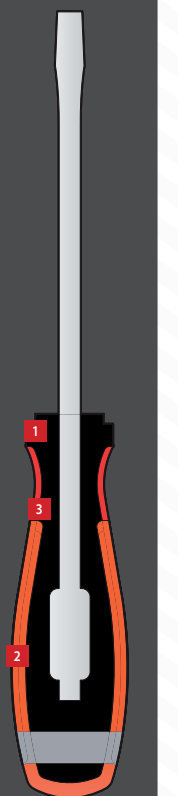
TBI handles for screwdrivers are composed of three layers, namely:

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: orange 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: red 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. The screwdrivers are made of chrome-vanadium-molybdenum steel and are additionally chrome or nickel plated. The superior quality of materials used in the Unior line of screwdrivers is complemented by ergonomically designed handles to provide an excellent hold. 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. Along with the varied consistency of the plastic handle practically eliminating the danger of the screwdriver slipping in the hand, the improved grip also ensures greater torque. This can also be achieved by inserting a rod in the perforation added with this purpose to all handles functioning also as a hanging hole for handier storage.



handle: ergonomic shape
three component material

blackened tip
slim blade enables work in hard to reach places.