



ENGLISH **CATALOGUE**

GB

USAG



0280 120x40x18

0280 120x40x18

0280 120x40x18



general index

new items 2011 ▷

page VI

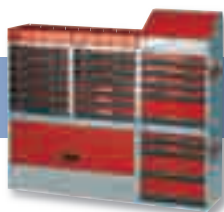


◁ USAG range

page 22

Matrix ▷

page 207



◁ Griffe USAG

page 222

Comec ▷

page 228

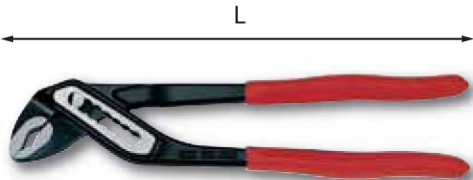


◁ Thermohydraulics

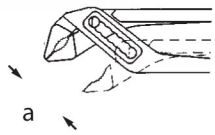
page 234

CATALOGUE PRICELIST

Caption



PICTURE




DRAWING

180 C **UNI DIN ISO 8976**

Box-joint adjustable pliers

- 7-positions model
- Handles sheathed in PVC
- Special Chrome Vanadium steel body
- Enamelled finish

DESCRIPTION


L mm	a mm	code	
250	36	01800010	5
300	42	01800011	5

PRICE


NUMBER OF PIECES PER BOX

CODE

SIZE



ITEMS THAT CAN BE HANGED,
WITH BARCODE



SPECIAL ITEMS FOR AUTOMOTIVE

This Price List cancels and replaces all previous editions.
Data and technical information mentioned above are valid at the time of printing. In order to improve some technical features, SWK Utensilerie S.r.l. reserves the right to introduce changes without notice

SWK Utensilerie S.r.l.
Via Volta, 3 · 21020 Monvalle (VA) · Italia
Tel. 0332 790111 · Fax 0332 790363
info.mv@usag.it · www.usag-tools.com

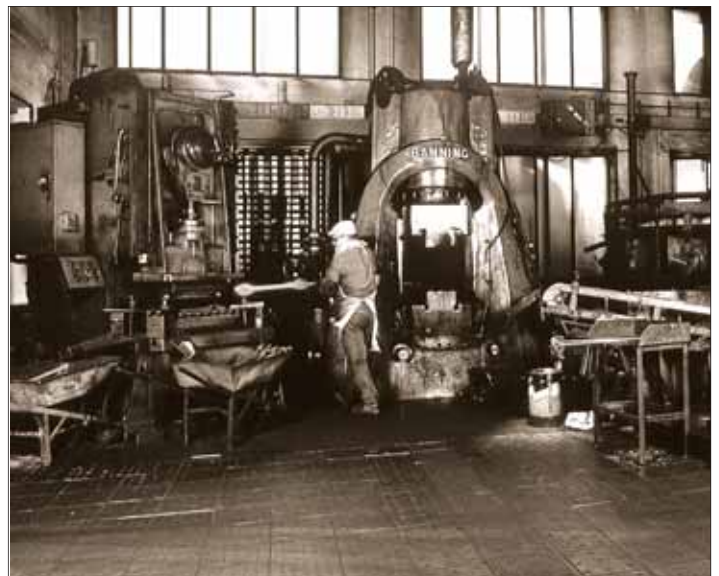


THE COMPANY



USAG has been present in Italy since 1926, when Utensileria Sociale Amos Gemonio was founded in Gemonio, by a certain Hermann Amos. USAG made its entry into the hand tools market, amongst a myriad of small artisan businesses. Thanks to the solid position reached over the years, USAG has been able to play a leading role in the globalization of industry, maintaining its own identity, its brand and its operational autonomy.

In 2006 USAG changed the social name in SWK UTENSILERIE becoming part of the prestigious international group THE STANLEYWORKS Group.



The warehouse: important distribution centre
USAG has an automatic warehouse in Monvalle. This important distribution centre sorts and handles automatically the products assuring perfect traceability.

THE CERTIFICATIONS



Since 1926, which is the year of the establishment, USAG has followed the principles of continuous improvement and analysis in order to fully meet the requirements of the customers thanks to the quality of the products and services offered. This pursuit has resulted in the certification of the Quality Management System according to standard **UNI EN ISO 9001:2000** issued by "D.N.V.-Det Norske Veritas", a SINCERT accredited institution.



Thanks to **SA 8000** certification SWK Utensilerie ensures all parties involved (customers, employees, shareholders) that their products have an ethical origin. **SA 8000** ensures that all products of the company have been manufactured according to Italian law (within the ambit of Environment, Safety and Labour law) and in compliance with the human rights as it is provided for by the standards acknowledged by the UN. **SA 8000** requires the specific participation of the whole supply chain in order to ensure the utmost compliance with the forecasts.

SWK Utensilerie has always given great attention to environment, taking the commitment to reduce environmental impacts, pursuing and keeping full conformity to applicable laws and selecting eco-compatible raw materials. This commitment, oriented to constantly improve environmental performances, is sealed by the certification of our environmental managing system according to **ISO 14001:2004** regulations issued by "D.N.V.-Det Norske Veritas", a SINCERT accredited institution.



SWK Utensilerie is taking a constant engagement to minimize risks and improve safety conditions of its workers and, in general, of all the workers present in its sites. Achievement of this goal, is reached maintaining a safe working environment, putting in place a prevention system enabling to avoid accidents and occupational diseases and managing every activity in a prevention perspective. This engagement is confirmed by achievement of the certification according to **BH OHSAS 18001:2007**, an international standard stating the requisites for a managing system taking care of protection of Workers' Safety and Health.



SWK Utensilerie is registered at:
Registro imprese produttrici di Pile, Batterie ed Accumulatori Register of piles, batteries and accumulators)
 n° IT09060P00001259" relative to inscription
 to Register AEE n° IT08020000003803



PROFESSIONAL ASSISTANCE

www.usag.it

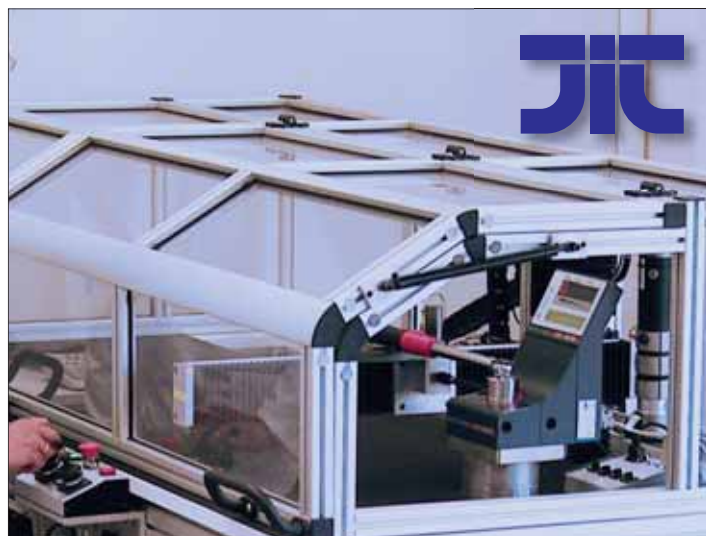
www.usag-tools.com



USAG **web site** is a wide service portal where the end user can find the answer to all his enquiries and, particularly, the technical catalogue is always updated with all necessary news and information for the choice and use of the products.



USAG is a modern and qualified structure, capable to interpret and anticipate market needs and request of the most demanding customers. Special attention is given to Web services, always in the forefront as far as technologies and contents are concerned: abreast with the times !



SWK Utensilerie calibration centre is accredited as **SIT Centre no. 097**. for the "Torque" Quantity ("torque measures") in the Measurement Range " from 9 to 1000Nm" according to current standard **UNI CEI EN ISO/IEC 17025**. The SIT certification issued, thanks to the bilateral agreements and the mutual acknowledgment between the SIT (Italian Calibration Service) and EA (European Cooperation for Accreditation) becomes internationally valid for all signatory organizations.

Our company has become the reference point for whomever uses dynamometric tools in order to carry out high quality tightening.

The service offered by the company is addressed to all owners of dynamometric wrenches and tools who require certified test of the calibration state.

For further details please refer to "SIT laboratory" in "SERVICES - Professional users" section on USAG web site.



Technical assistance

USAG has created an assistance centre to provide technical solutions and specific information about use of the tools: please contact info.mv@usag.it.

COMPETITION TOOLS



Sponsor

USAG has always been associated to the sport competitions, in particular in the automobile and motorbike sector. The teams employing USAG tools during competitions are the best demonstration of the high quality of our products. At present USAG is linked to the greatest Italian racing teams as Ducati corse and Scuderia Toro Rosso.



Official Partner





2011 news



USAG *Racing* 519

- **WORK TOP**
in non-scratch Aluminium
with sides to prevent falls
- **BUMPERS**
on drawers and corners
- **DRAWER HANDLES**
in anodized Aluminium with
integrated hooking system



519 R

RACING ROLLER CABINET

THE FIRST ROLLER CABINET WITH MODULAR RANGE



L=774 mm

3

MODULES



L=964 mm

4

MODULES



L=1154 mm

5

MODULES

USAG *Racing* 519

THE COMPLETE RANGE



900 KG

5
DRAWERS

3
TRAYS



519 R5/3

- Overall dimensions: L 774 x D 546 x H 971 mm
- 2 drawers: 570x420xH60 (**6 TRAYS MAX**)
- 2 drawers: 570x420xH130 (**60 LITERS**)
- 1 drawer: 570x420xH270 (**65 LITERS**)



900 KG

8
DRAWERS

3
TRAYS



519 R8/3

- Overall dimensions: L 774 x D 546 x H 971 mm
- 6 drawers: 570x420xH60 (**18 TRAYS MAX**)
- 2 drawers: 570x420xH130 (**60 LITERS**)



900 KG

6
DRAWERS

3
TRAYS



THE FIRST CHOICE

519 R6/3

- Overall dimensions: L 774 x D 546 x H 971 mm
- 4 drawers: 570x420xH60 (**12 TRAYS MAX**)
- 1 drawer: 570x420xH130 (**30 LITERS**)
- 1 drawer: 570x420xH270 (**65 LITERS**)



1000 KG

6
DRAWERS

4
TRAYS



THE MOST INNOVATIVE

519 R6/4

- Overall dimensions: L 964 x D 546 x H 971 mm
- 4 drawers: 760x420xH60 (**16 TRAYS MAX**)
- 1 drawer: 760x420xH130 (**40 LITERS**)
- 1 drawer: 760x420xH270 (**85 LITERS**)



900 KG

7
DRAWERS

3
TRAYS



THE MOST USED

519 R7/3

- Overall dimensions: L 774 x D 546 x H 971 mm
- 5 drawers: 570x420xH60 (**15 TRAYS MAX**)
- 1 drawer: 570x420xH130 (**30 LITERS**)
- 1 drawer: 570x420xH200 (**50 LITERS**)



1100 KG

6
DRAWERS

5
TRAYS



THE TOP WITH 6 WHEELS

519 R6/5

- Overall dimensions: L 1154 x D 546 x H 1000 mm
- 3 drawers: 950x420xH60 (**15 TRAYS MAX**)
- 2 drawers: 950x420xH130 (**100 LITERS**)
- 1 drawer: 950x420xH200 (**80 LITERS**)



Work benches

- sheet steel casing
- anaphoretic process
- arranged to add a drawer



ARRANGED TO ADD OPTIONAL DRAWERS

easy to assemble, that complete USAG work benches



OPTIONAL DRAWER

complete with slides and frames

THE COMPLETE RANGE



1000 KG

30mm
THICKNESS

WOODEN
WORK TOP

501 E1/1000

- Dimensions: L 1000 x D 700 x H 880 mm
- 4 uprights



1000 KG

2,5mm
THICKNESS

STEEL
WORK TOP

501 E2/1000

- Dimensions: L 1000 x D 700 x H 880 mm
- 4 uprights



1500 KG

30mm
THICKNESS

WOODEN
WORK TOP

501 E1/1500

- Dimensions: L 1500 x D 700 x H 880 mm
- 4 uprights



1500 KG

2,5mm
THICKNESS

STEEL
WORK TOP

501 E2/1500

- Dimensions: L 1500 x D 700 x H 880 mm
- 4 uprights



2000 KG

30mm
THICKNESS

WOODEN
WORK TOP

501 E1/2000

- Dimensions: L 2000 x D 700 x H 880 mm
- 6 uprights



2000 KG

2,5mm
THICKNESS

STEEL
WORK TOP

501 E2/2000

- Dimensions: L 2000 x D 700 x H 880 mm
- 6 uprights



2011 news

 800 KG



6

DRAWERS



MODULAR



WORK TOP
in high resistance ABS



STEEL HANDLE
resistant and compact

Start 516

516 S6V

START ROLLER CABINET

- Work top in high resistance ABS
- Total opening drawers on telescopic ball-bearing slides
- Centralized security locking
- Oil-proof rubber wheels (Ø 125 mm): two fixed and two swivelling (one of which with brake)
- Sheet steel casing with epoxy process
- Maximum static load: 800 Kg
- Drawer loading capacity: 20 Kg (30 Kg for drawer h 140 mm)
- Overall dimensions: L 815 x D 505 x H 1.000 mm
- Inside dimensions: drawers 570 x 420 x H70-H140-H210 mm
- Weight: Kg. 55 (empty roller cabinet)



DRAWERS
on ball-bearing telescopic slides with inside rubber mats



007/1V

PROFESSIONAL TOOLBAG

- Model in high resistant cloth
- Rigid waterproof bottom
- Easy inside toolholder compartments
- Two front pockets for small objects
- Aluminium handle covered in leather for easy grip
- Inside elastics for tape rule and tools
- Top cover with clip closure

- Dimensions (LxDxH): 420x240x340 mm



CAPACITY
34 LITERS



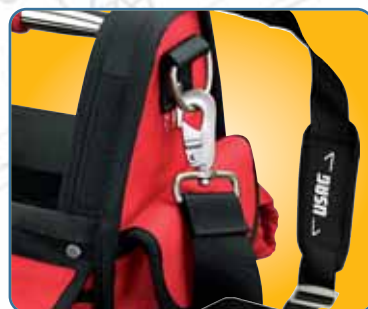
FRONT POCKET
with clip closure



INSIDE COMPARTMENT
for tools and accessories



TRANSPORT HANDLE
in antislip leather



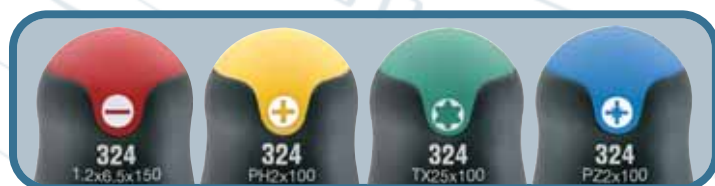
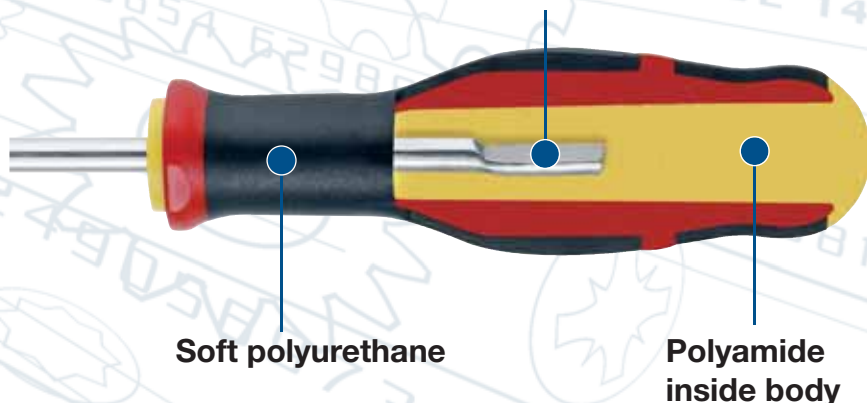
SHOULDER STRAP
with spring catch and padded
shoulder protection





324

Silicon Chrome
Manganese steel blade



IDENTIFICATION
Colour code and pictogram

ERGONOMICS

Exceptional torque transmission.
Easy and comfortable grip.

SOFT SURFACES

Effective and safe grip.
Resistant to shocks and hydrocarbons.

HANDLE

Polyamide inside body to grant
the correct blade/handle coupling.

BLADE

High quality steel to obtain
the top performance.
Controlled heat treatment.

TIP

Manufactured with the utmost
dimensional precision for perfect
coupling with the screw.

6 DIFFERENT HANDLES



- Long and thin body for the smaller sizes to grant quicker screwing.
- Area where applying higher power for the bigger sizes.



092 Screwdrivers 1000 Volt ⚡

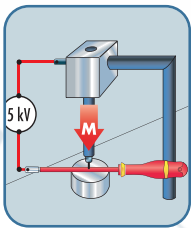
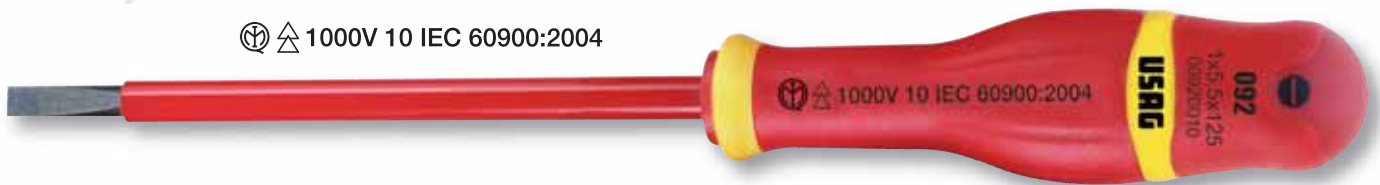
USAG 092 screwdrivers are in compliance with **EN60900** regulation to assure maximum safety and working comfort when it is necessary to work on equipments with voltages up to 1000V.

These screwdrivers are subjected to the most rigorous insulation tests and, as a further guarantee of their quality, USAG obtained the authorization +C367 to use the trademark IMQ, as stamped on the handle of the tool.

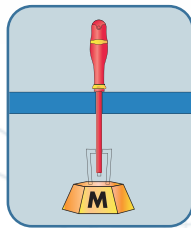


ALL INSULATED SCREWDRIVERS ARE TESTED AT THE END OF PRODUCTION THROUGH A GALVANIC BATH AT 10.000V

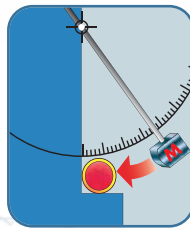
⚡ 1000V 10 IEC 60900:2004



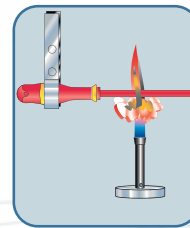
INDENTATION TEST



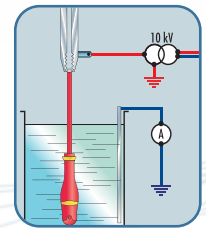
UNTHREADING TEST



IMPACT TEST



FLAME TEST



DIELECTRIC TEST

Screwdrivers for coupled shape screws

Maximum torque without damaging the screw

1000 Volt ⚡



092 PHB

FOR SLOT-HEAD-PHILLIPS SCREWS



092 PZB

FOR SLOT-HEAD-POZIDRIV SCREWS





2011 news

The new generation of USAG screwdrivers **322**

HOLE
to hang screwdrivers
on panels



**ERGONOMIC
HANDLE**
antislip and knurled,
assures high comfort
and optimum control



BLADE IDENTIFICATION WITH COLOUR CODE
AND PICTOGRAM FOR QUICK SELECTION



**CHROME
MOLYBDENUM
STEEL BLADE**
for high resistance
to torsion

4 DIFFERENT HANDLES



SANDBLASTED TIP

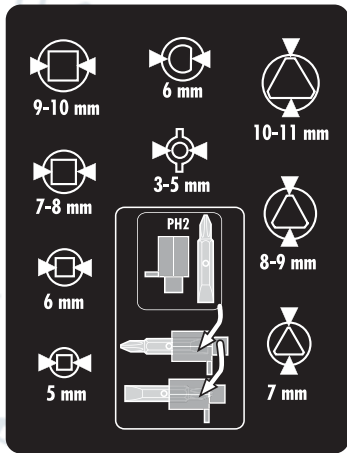


767

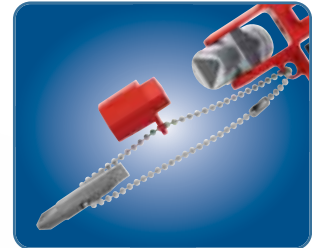
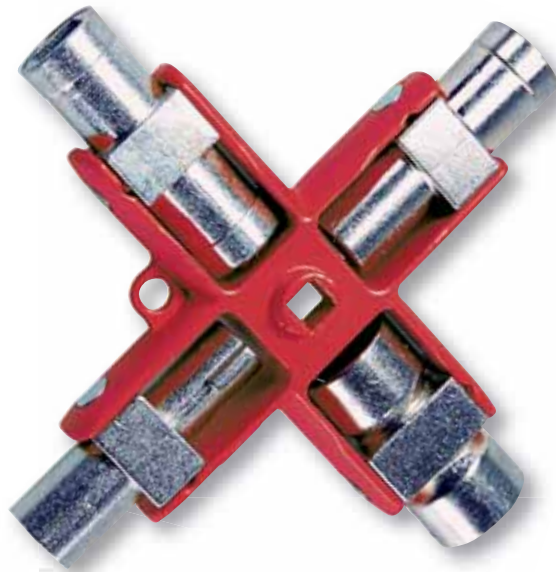
UNIVERSAL

UNIVERSAL CROSS-TYPE WRENCH FOR CABINETS AND TECHNICAL FITTINGS

- 9 different shapes
- adjustable double sockets
- hanging hole



APPLICATION SHAPES



SLOT-HEAD AND PHILLIPS SHAPE

with tap and hanging chain



DOUBLE SOCKETS

reversible and adjustable



BLADE FRICTION ADJUSTABLE BY SCREW



HIGH CUTTING CAPACITY

210 C

MULTIPURPOSE SCISSORS

- Micro antislip tothing in stainless steel
- Big ergonomic bimaterial handles (USAG exclusive)
- Perfect for Aluminium, cardboard, rubber, leather, moquette etc.





18

PIECES



605 3/4" EA

ASSORTMENT WITH SOCKETS AND ACCESSORIES

in plastic case

content

13	hexagonal sockets	235 3/4" 19-21-22-24-27-30-32 34-36-41-46-50-55
2	extensions	236 3/4" 200 - 400
1	T-handle with sliding square drive	240 3/4"
1	universal joint	241 3/4"
1	reversible ratchet	237 A 3/4"



HEXAGONAL

18

PIECES



605 3/4" A

ASSORTMENT WITH SOCKETS AND ACCESSORIES

in plastic case

content

13	bi-hexagonal sockets	235 3/4" 19-21-22-24-27-30-32 34-36-41-46-50-55
2	extensions	236 3/4" 200 - 400
1	T-handle with sliding square drive	240 3/4"
1	universal joint	241 3/4"
1	reversible ratchet	237 A 3/4"



BIHEXAGONAL



SPACE FOR OBJECTS

suitable also for USAG box 606 1/4"



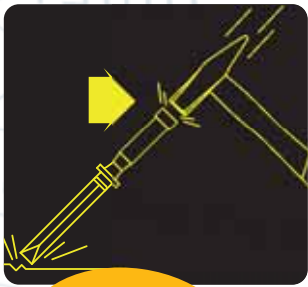
DIMENSIONS OPTIMIZED

to fit drawers of USAG roller cabinets



ERGONOMIC HANDLE

comfort and safety



CAN BE USED WITH A HAMMER

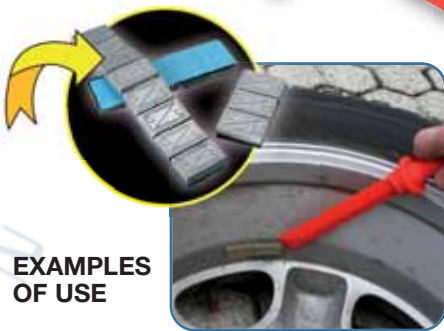


426 C/S4

4
PIECES

SET OF 4 MULTI-PURPOSE PLASTIC SCRAPERS

- For removal of counterweights, silicone, plastics, mouldings etc
- No damage to parts in plastics, gaskets, ceramics etc.
- Can be used with a hammer
- Re grindable with a file



EXAMPLES OF USE



✓ **tyre rims counterweights**



✓ **plastics**



✓ **silicone**



✓ **mouldings**

458 BK1/S11

SET OF 11 PULLERS FOR DAMAGED NUTS

458 B 3/8" 8-10-11-12-13-14 mm
458 B 1/2" 15-16-17-18-19 mm

- Helicoidal conic flower profile
- Exceptional grip on damaged nuts
- High resistance steel
- Phosphatized finish

■ **3/8"** ■ **1/2"**

11
PIECES

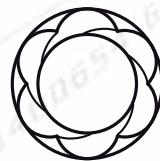



■ **3/8"**

■ **1/2"**



SPECIAL SHAPE WITH HIGH GRIP



 **ONLY FOR MANUAL USE
DO NOT EMPLOY WITH AIR OR ELECTRIC TOOLS**



2510 B

HYDRAULIC SERVICE JACK 2T WITH MECHANICAL SAFETY BLOCK

- Max height 465 mm
 - Min height 75 mm
 - Quick approach pedal
 - Shelf for screws and tools
 - Removable protection in polyurethane
 - Safety system to prevent falls out of control
 - Strong and silent polyamide wheels
 - Compliance to Machine Regulation 2006/42/CE
- Dimensions: 650x270x135 mm
Weight 32,5 Kg

INTEGRATED SAFETY DEVICE



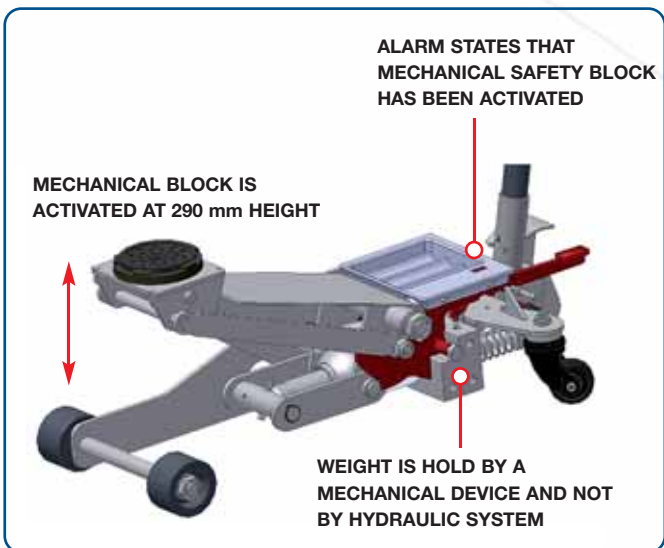
PEDAL TO DISCONNECT THE SAFETY BLOCK



SHELF FOR SMALL OBJECTS



MIN/MAX LIFTING 75/465 mm





**SAFE,
UNIVERSAL
AND
PORTABLE**

CE



HOSE 10 m

877

COMPRESSED AIR GAS EXTRACTOR

- For suction and extraction from workshop environment of exhaust gas coming from cars, industrial vehicles and motorcycles.
- Adjustable suction power with 2 reduction nozzles (included) and tap:
 - AUTO** → capacity up to 550 m³/h (air consumption 330 l/min)
 - TRUCK** → capacity up to 790 m³/h (air consumption 430 l/min)
- Model with wheels, compact and light, movable in every place of the workshop.
- Compressed air working (6 bar).
- Suction cone with adjustable height (10÷100 cm)
- In conformity with directives 2001/95/CE and 2003/10/CE
- Supplied with 10 meters of heating-resistant tube Ø 120 mm.
- Weight: 9,5 Kg



939 C1

Ø 10 mm

HOSE REEL 10 mm

- Model with automatic hose rewind with stopping device
- Body in shockproof plastic material with swivel bracket for attachment to the wall
- Glossy polyurethane hose
- Delivered with supply hose (1,5 m) and 3/8" male threaded air inlet

CE

characteristics	
Hose length	16 m
Ø internal hose	10 mm
Max pressure	15 bar
Output connector	3/8"
Dimensions (bracket included)	500x400x230 mm
Weight	8 Kg



887 FK1

KIT WITH HEATER PLUG BORE CLEANING TOOLS FOR COMMON RAIL, BOSCH, SIEMENS, DELPHI

- Eliminates carbon deposits from the heater plug bores
 - Nickel Chrome steel for tools: high precision and reliability
 - Complete with handle and 3 milling heads for injectors
- BOSCH 15,5 mm
 - BOSCH 17-19 mm
 - SIEMENS and DELPHI 17mm



PERFECT
CLEANING OF
HEATER PLUG
BORES

887 G

INJECTOR SEAL REMOVAL TOOL - DIESEL

- For easy and safe removal of Copper injector gaskets on injectors
- Powerful slide-hammer puller for easy removal of jammed seals
- Universal gripper for perfect grip.



0,5 KG
SLIDE-HAMMER
PULLER



886 RB10

PULLER FOR DIESEL INJECTOR ELECTRODES

- Hexagon 10 mm
- Hole to fit all application





886 RA

EXTRACTOR FOR BOSCH AND SIEMENS ELECTRONIC INJECTOR CONNECTIONS

- Special profile studied for perfect compatibility with plastic parts
- Hexagonal profile 25, 27, 29 and 30 mm for BOSCH and SIEMENS injectors
- Square drive 1/2"



SPECIAL PROFILE TO PREVENT DAMAGES

1315/2

TIMING TOOL SET

- Petrol engines VAG (VW-Audi-Skoda) 1.4-1.6 FSI and 1.4 TSI
- VW: Polo, Golf, Passat, Touran, Jetta, Tiguan
- Seat: Leon
- Audi: A3
- SKODA: Octavia



also for 1.4 TSI ENGINES !





001 MV

Electronics and electrotechnics maintenance case - empty

- Two removable panels equipped with tool storage pockets
- Lower compartment with mobile separators
- Document compartment
- Handle in ABS and double key lock
- Polypropilene shell with Aluminium frame

LxPxH mm	kg	code	
490x395x200	5,3	00010001	1

001 MF

Case with assortment 496 F2 for electronics (98 pcs.)

kg	code	
11,4	00010101	1

001 MH

Case with assortment 496 H2 for electrotechnics (82 pcs.)

kg	code	
14,4	00010111	1



001 PV

Electronics and electrotechnics maintenance case - empty

- Two panels for tool storage
- Lower compartment with mobile separators
- Document compartment
- Handle in ABS and double key lock
- Polypropilene shell with Aluminium frame

LxPxH mm	kg	code	
490x395x200	6	00010002	1

001 PF

Case with assortment 496 F2 for electronics (98 pcs.)

kg	code	
12,1	00010102	1

001 PH

Case with assortment 496 H2 for electrotechnics (82 pcs.)

kg	code	
15,1	00010112	1



001 QV

Electronics and electrotechnics maintenance case - empty

- Three-side panel
- Lower compartment with mobile separators
- Document compartment
- Handle in ABS and double key lock
- Polypropilene shell with Aluminium frame

LxPxH mm	kg	code	
490x395x200	5,5	00010003	1

001 QF

Case with assortment 496 F2 for electronics (98 pcs.)

kg	code	
11,6	00010103	1

001 QH

Case with assortment 496 H2 for electrotechnics (82 pcs.)

kg	code	
14,6	00010113	1



003 V

Electronics maintenance case - empty

- Two panels for tool storage
- Lower compartment with plastic tray and box for small parts
- Document compartments
- Combination lock
- Case shell in anodized Aluminium

LxPxH mm	kg	code	
490x370x180	5,2	003001	1

003 F

Case with assortment 496 F2 for electronics (98 pcs.)

kg	code	
11,3	00030101	1

003 H

Case with assortment 496 H2 for electrotechnics (82 pcs.)

kg	code	
14,3	00030111	1



004 V

Electrotechnics maintenance case - empty

- Model in leather 6 mm thick
- Panels with spaces for tools
- Document compartment
- Plastic drawer chest for small parts
- Central carrying handle and shoulder strap

LxPxH mm	kg	code	
480x230x340	6	004001	1

004

Maintenance case with assortment 496 H for electrotechnics (72 pcs.)

kg	code	
12	00040012	1



005 V

Electrotechnics maintenance case - empty

- Model in leather 6 mm thick
- Panels with spaces for tools
- Central carrying handle and shoulder strap

LxPxH mm	kg	code	
480x215x340	5	005001	1

005

Maintenance case with assortment 496 I for electrotechnics (58 pcs.)

kg	code	
12	00050013	1

for assortments see page 128



007 V

Professional tool bag - empty

- Model in high resistant cloth
- Rigid waterproof bottom
- Toolholder compartments and front pocket for saw
- Aluminium handle with covered handgrip
- Transport shoulder strap
- Soft top cover with Velcro

LxPxH mm	kg	code	
490x220x350	4	00070002	1

007 A

Professional tool bag with assortment (32 pcs)

pcs	description	item/size
1	Combination pliers	150 B/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Diagonal cutting nippers	185 B/160
1	Hacksaw	200
1	Multipurpose scissors	211 A
1	Utility knife with snap-off blades	220 B
8	Set of eight wrenches/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22	252 N/SR8
9	Set of nine keys/1,5-2-2,5-3-4-5-6-8-10	280 N/S9
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
1	Hammers for mechanics	382/500
1	Torch	889 TA
1	Tape rule	981 G/3x16

kg	code	
8	00070010	1



007/1V

Professional tool bag - empty

- Model in high resistant cloth
- Rigid waterproof bottom
- Inside spaces for tools
- Two front pockets for small objects
- Aluminium handle with covered handgrip
- Inside hooks for tape rule and elastics to hold tools
- Soft top cover with clip

LxPxH mm	kg	code	
420x240x340	2,5	00070001	1

007/1A

Professional tool bag with assortment (18 pcs)

pcs	description	item/size
1	Combination pliers	150 A/180
9	Set of nine combination wrenches	285 DE/S9
1	Adjustable wrench, Chrome plated	294 A/200
3	Screwdrivers for slot-head screws/0,6x3,5x75 - 0,8x4x100 - 1x5,5x100	322
2	Screwdrivers for PHILLIPS® screws/1x100 - 2x125	322 PH
1	Mallet	376 F/32
1	Bimaterial tape rule with stainless steel casing	981 B/5 M

kg	code	
5,3	00070009	1



007 TRV

Trolley for electronics - empty

- Structure in high resistance fabric
- Inside removable separators with pockets for tools
- Inside space for notebook
- Front and side pockets
- Telescopic transport handle
- Pull-out shoulder straps
- Integrated wheels
- Possibility to be closed with a padlock

LxPxH mm	kg	code	
440x340x150	1,5	00070005	1

007 EA

Trolley for electronics with assortment (20 pcs)

pcs	description	item/size
1	Insulating tape	073/15x10
1	Voltage and continuity tester	075 G
1	Flat long nose pliers with straight jaws	078 N/160
2	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100	092
1	Screwdriver for PHILLIPS® screws/1x100	092 PH
1	Screwdriver for POZIDRIV® - SUPADRIV® screws/2x125	092 PZ
1	Scissors for electricians	207 C
9	Set of nine long angled hexagon keys with spherical head	280 LTS/S9
1	Adjustable wrench, Chrome plated	294 A/150
1	Phase-testing screwdriver 110÷380 Volts	322 F
1	Hammer for mechanics with graphite handle	382 F/200

kg	code	
4,3	00070015	1



008 V
Large roller case - empty

- Panels with elastic straps for tool storage
- Double document compartment
- Lower compartment with three boxes for small objects
- Double key lock and two carrying handles
- Telescopic handle and large wheels with ball bearings
- Polypropilene shell with Aluminium frame

LxPxH mm	kg	code	img
515x425x350	8,5	00080001	1



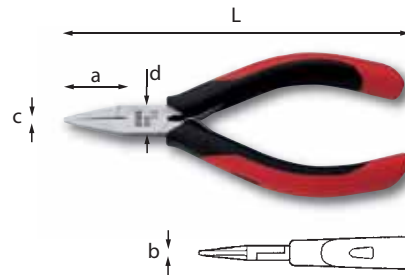
009 LV
Plumbers case, long model - empty

- All-in-one 3 mm thick leather case entirely sheathed with PVC laminate
- Shoulder strap

LxPxH mm	kg	code	img
640x185x200	4	009002	1

009 LA
Case with assortment for plumbers 496 M (50 pcs.)

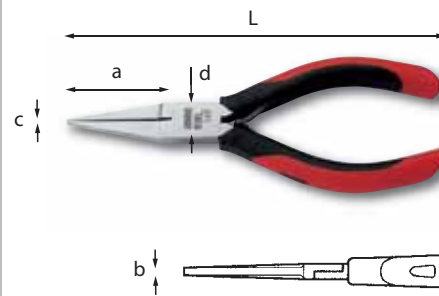
kg	code	img
19	00090015	1



015 **ISO 9655**
Flat short nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

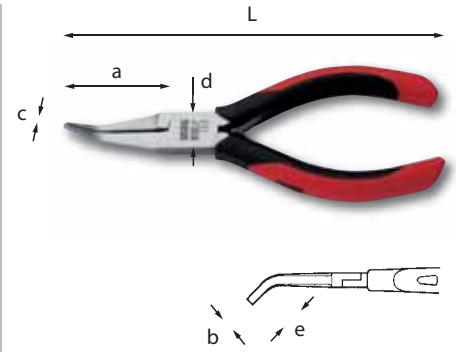
L mm	axbxc mm	d mm	code	img
115	23x1,8x1,5	10,5	015001	2



015 L **ISO 9655**
Flat long nose pliers with straight jaws

- Knurled gripping surface
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

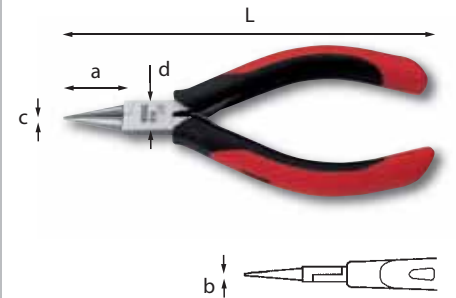
L mm	axbxc mm	d mm	code	img
140	41x2,8x1,5	14	015101	2



015 LP
Flat long nose pliers with jaws bent to 45°

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

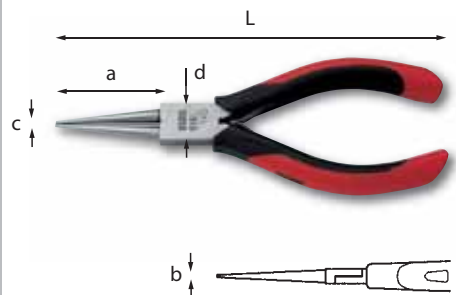
L mm	axbxc mm	d mm	e mm	code	img
135	37,5x2,8x1,5	14	14	015201	2



016 **ISO 9655**
Round short nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

L mm	axbxc mm	d mm	code	img
115	23x0,5x1	10,5	016001	2



016 L **ISO 9655**
Round long nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

L mm	axbxc mm	d mm	code	img
140	41x1,5x3	14	016101	2



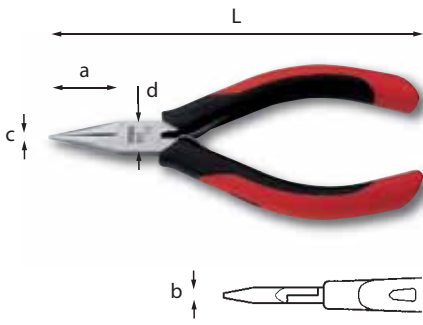
009 V
Plumbers case - empty

- All-in-one 3 mm thick leather case entirely sheathed with PVC laminate
- Shoulder strap

LxPxH mm	kg	code	img
410x185x200	3	009001	1

009 A
Case with assortment for plumbers 496 L (25 pcs.)

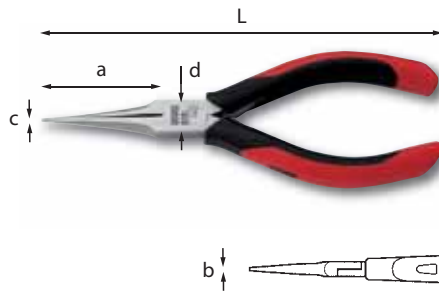
kg	code	img
7,5	00090014	1



017 ● **ISO 9655**
Half-round short nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

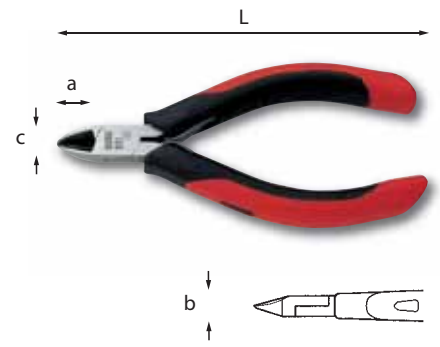
L mm	axbxc mm	d mm	code	
115	23x1,5x1,5	10,5	017001	2



018 L ● **ISO 9654**
Half-round long tapering nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

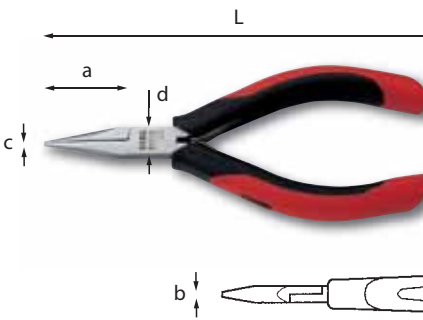
L mm	axbxc mm	d mm	code	
140	43x1,5x1,5	12	018101	2



021 ☒ **ISO 9654**
Diagonal cutting nippers with semi-flush cutting edge

- Rounded jaws
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

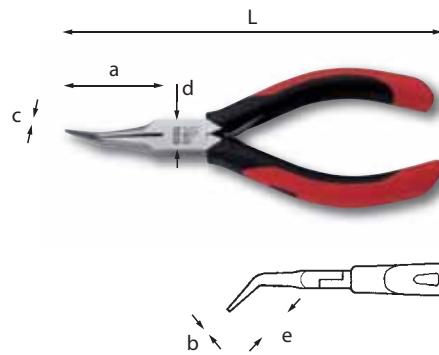
L mm	∅ Cu max mm	axbxc mm	code	
110	1,2	12,5x6,5x10,5	021001	2



017 BR ● **ISO 9655**
Half-round nose pliers with straight jaws

- Knurled gripping surface
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

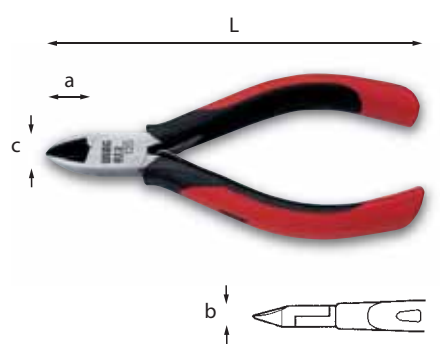
L mm	axbxc mm	d mm	code	
120	28,5x1,5x1,5	11	017103	2



018 LP ● **ISO 9654**
Half-round long tapering nose pliers with jaws bent to 45°

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

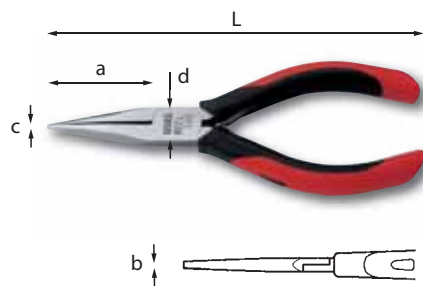
L mm	axbxc mm	d mm	e mm	code	
135	38x1,5x1,5	12	19	018201	2



022 ☒ **ISO 9654**
Diagonal cutting nippers with flush cutting edge

- Rounded jaws
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

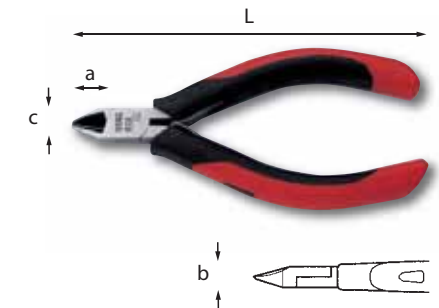
L mm	∅ Cu max mm	axbxc mm	code	
110	1	12,5x6,5x10,5	022001	2
120	1,5	16x8,5x13	022002	2
130	2,2	19x9,5x16,5	022003	2



017 L ● **ISO 9654**
Half-round long nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

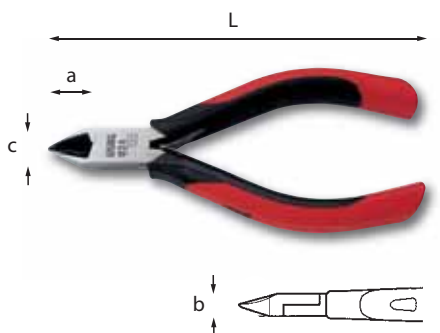
L mm	axbxc mm	d mm	code	
140	41x2x2	14	017101	2



020 ☒ **ISO 9654**
Diagonal cutting nippers with semi-flush cutting edge

- Pointed tapering jaws
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

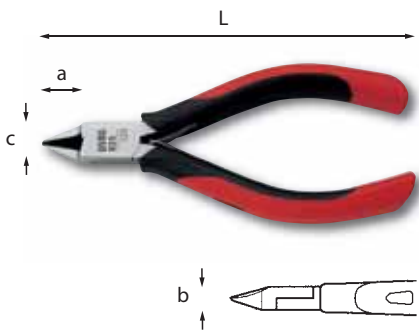
L mm	∅ Cu max mm	axbxc mm	code	
110	1,2	12,5x6,5x10,5	020001	2
120	2	15x8,5x13	020002	2



024 ☒ **ISO 9654**
Diagonal cutting nippers with flush cutting edge


- Pointed tapering jaws
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

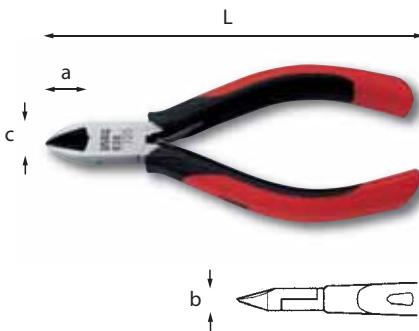
L mm	∅ Cu max mm	axbxc mm	code	
110	1	12,5x6,5x10,5	024001	2
120	1,5	15x8,5x13	024002	2
130	2	19x9,5x16,5	024003	2



025  **ISO 9654**
Diagonal cutting nippers with flush cutting edge


- Pointed tapering half-height jaws
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

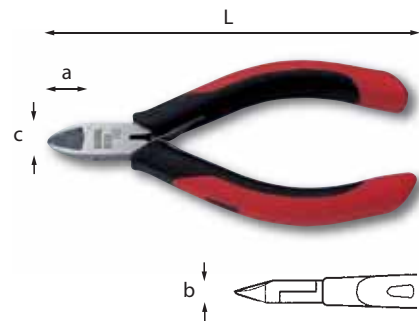
L mm	Cu ø max mm	axbxc mm	code	
110	1	12,5x6,5x10,5	025001	2
120	1,5	15x8,5x13	025002	2



030  **ISO 9654**
Diagonal cutting nippers with normal cutting edge


- Rounded jaws
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip
- For piano wire, max Ø 1 mm

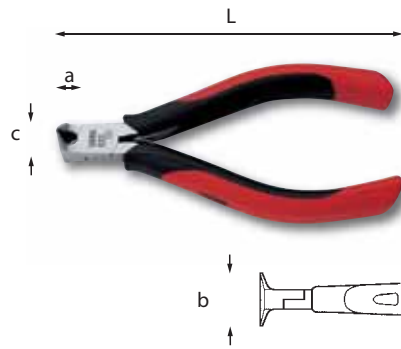
L mm	Cu ø max mm	axbxc mm	code	
120	2	16x8,5x13	030001	2



032  **ISO 9654**
Diagonal cutting nippers with semi-flush cutting edge


- Rounded jaws
- Rubber inserts for holding the cut wire
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

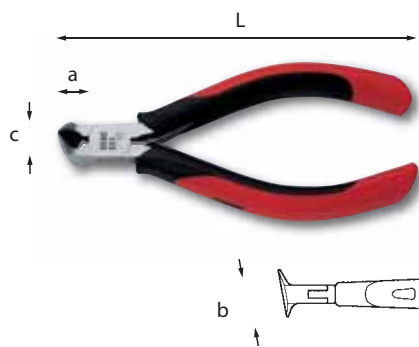
L mm	Cu ø max mm	axbxc mm	code	
110	1,2	12,5x6,5x10,5	032001	2




033  **ISO 9654**
End cutting nippers with flush cutting edge


- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

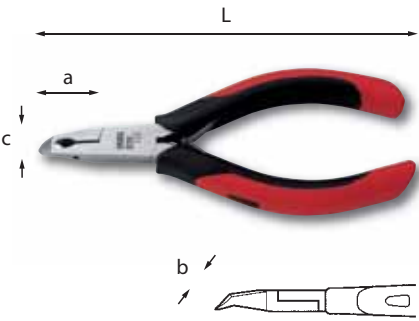
L mm	Cu ø max mm	axbxc mm	code	
110	1	6x19,5x11,5	033001	2



034  **ISO 9654**
End cutting nippers with flush cutting edge bent to 10°


- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

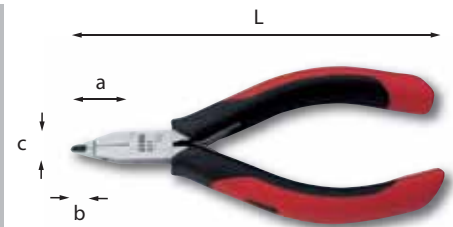
L mm	Cu ø max mm	axbxc mm	code	
115	1	6x20x11,5	034001	2



036  **ISO 9654**
End cutting nippers with flush cutting edge bent to 45°


- Tapering jaws with guide-pin
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

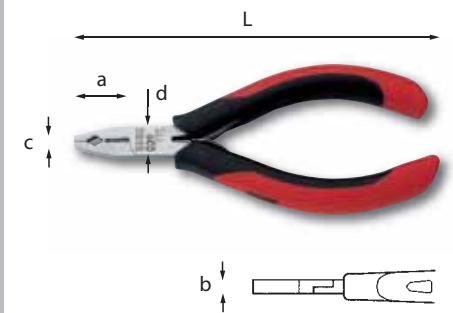
L mm	Cu ø max mm	axbxc mm	code	
120	0,8	21,5x7x12	036001	2



037  **ISO 9654**
Cutting nippers with flush cutting edge at the end of the nose


- Tapering jaws with guide-pin
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

L mm	Cu ø max mm	axbxc mm	code	
110	0,6	18x4x9	037001	2



039  **ISO 9654**
Universal pliers


- Side cutter for Copper wires
- Knurled gripping surface
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

L mm	Cu ø max mm	axbxc mm	d mm	code	
115	1,6	19x5x5	12	039001	2



040/00
Tweezers with strong rigid tips


- Acid-resistant and anti-magnetic stainless steel

L mm	code	
120	040001	2



040 AA
Tweezers with fine rigid tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code	
127	040004	2



040/2A

Tweezers with flat rounded tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code	
115	040007	2



040/3

Tweezers with fine tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code	
117	040010	2



040/5

Tweezers with extra-fine tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code	
110	040016	2



040/5A

Tweezers with extra-fine angled tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code	
115	040019	2



040/7

Tweezers with extra-fine curved tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code	
120	040022	2



040/35A

Tweezers with broad tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code	
123	040025	2



040 SE6

Set of six tweezers

- (040 AA-040/2A-040/3-040/5-040/5A-040/7)
- Supplied in plastic wallet

g	code	
150	040081	1



041

Tweezers with long rigid tips

- Stainless steel body
- Satin finish

L mm	code	
160	041001	2

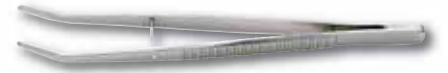


042

Tweezers with straight tips and guide pin

- Knurled gripping surface
- Acid-resistant and anti-magnetic stainless steel
- Satin finish

L mm	code	
150	042001	5



042 P

Tweezers with tips bent to 45° and guide pin

- Knurled gripping surface
- Stainless steel body
- Satin finish

L mm	code	
150	042011	5

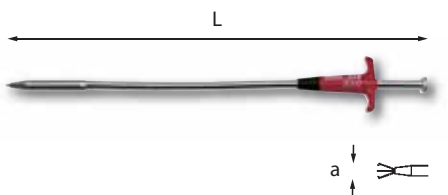


045 N

Tweezers with crossed self-locking tips bent to 45°

- Gripping pads
- Stainless steel body
- Satin finish

L mm	code	
160	045002	2

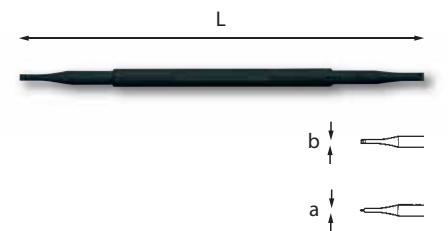


046

Flexible mechanical retrievers

- Retractable three-clawed pincers with push-button control

L mm	a ø max mm	code	
350	30	046035	1
500	30	046050	1
700	30	046070	1

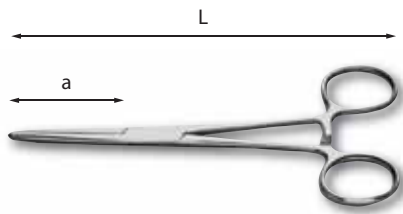


048

Screwdrivers for electronic tuning, flor slot-head screws

- For adjusting electronic components
- Anti-static plastic

n°	axb mm	L mm	code	
1	0,5x2 - 0,5x2,4	175	048002	5
2	0,8x3 - 0,8x4	175	048003	5



052 N Self-locking pliers

- For gripping wires
- Knurled gripping surface
- Stainless steel body
- Polished finish

L mm	a mm	code	
140	35	00520003	1



053 N Spring puller

- Hook- and fork-shaped extremities
- Steel body sheathed in PVC

L mm	code	
200	00530003	1



054 Pen oiler

- Push-button for precision dosing
- Body in transparent plastic with pocket clip

L mm	capacity cm ³	code	
140	5	054001	2



055 A Torch

- Body in anodized Aluminium
- Focus regulation by rotating the head
- Built-in front glass
- Switching by rear button
- Transport strap
- Powered by battery 2xAAA not included

L mm	a mm	code	
137	17	00550001	5



056 Rigid mirror

- Plastic body

L mm	a mm	code	
170	25	056001	5



056/1 Articulated mirror

- Telescopic brass rod with pocket clip

L mm	a mm	code	
690	38	056002	2



060/100 Butane gas soldering iron

- Model complete with spare nozzle and protection cap
- Supplied with thin tip
- Ignition with Piezo system
- Charge endurance (at medium regulation): 120 minutes
- Charge capacity: 20 ml

power W	temperature max °C	g gr	code	
100	500	140	00600005	1



060 K Assortment in plastic box

- Supplied with soldering iron 060/100, spare nozzle, protection cap, four different tips and roll of Tin alloy 60/40 with antioxidant

LxPxH mm	g gr	code	
275x170x45	250	00600008	1



061 Pen-type soldering irons

- Power supply 220 Volts
- Straight long-life tip

power W	temperature max °C	code	
20	320	061002	1
30	370	061003	1
50	380	061005	1



063 Soldering iron, two-settings model

- Push-button power-setting
- Power supply 220 Volts
- Supplied with straight tip 063 A

power W	temperature max °C	code	
20-40	320-420	063001	1



063 A Spare tip, straight

- For 061 and 063

g gr	code	
16	063011	1



065 C Suction desoldering pump

- Antistatic tip in teflon

L mm	Ø tip mm	code	
200	2,4	00650001	2



066 □ CE Ⓢ

Quick-heating soldering gun

- Model with pistol-grip and workspot illumination
- Power supply 220 Volts
- Supplied with deoxidizing paste, Tin alloy and long-life tips 066 A-B-C

power W	temperature max °C	code	
100	540	066001	1



066 A
Spare tip, extra-fine

à gr	code	
20	066101	1



066 B
Spare tip, fine

à gr	code	
20	066102	1



066 C
Spare tip, medium

à gr	code	
20	066103	1



068 N CE Ⓢ

Standard soldering irons

- Medium-power traditional model
- Power supply 220 Volts

power W	temperature max °C	code	
50	400	00680005	1
80	410	00680008	1



068 NA
Spare tips

power W	code	
50	Q00680002	1
80	Q00680004	1



070 N CE Ⓢ

Standard soldering irons

- High-power hammer-shaped model
- Heating element encased in stainless steel
- Power supply 220 Volts

power W	temperature max °C	code	
100	300	070004	1
180	310	070005	1



070 NA
Spare tips

power W	code	
100	Q070104	1
180	Q070105	1



071A

Soldering wire in Tin alloy with antioxidant

- Good mechanical strength for electrotechnical use
- Composition 40SN60PB 40% Tin - 60% Lead
- Ø 1mm

à gr	code	
500	Q00710001	1



071B

Soldering wire in Tin alloy with antioxidant

- Excellent quality for electronic applications
- Composition 60SN40PB 60% Tin - 40% Lead
- Ø 1mm

à gr	code	
250	Q00710002	1



073 ⚠ Ⓢ

Insulating tape

- Self-extinguishing PVC

size (mm x m)	code	
15x10	073001	10
19x25	073002	10




075 D

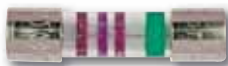
Standard digital multimeter

- Continuity and diodes tested by means of buzzer
- Display: 3 1/2 LCD 2000 dots with automatic indication of functions and symbols
- Manual output selection
- Automatic low-battery indication
- Automatic polarity indication
- Automatic power-off with short beep after circa 10 minutes of non-use
- Complies with safety norm IEC1010-1 and EU-norms 89/336/EEC and 73/23/EEC
- Insulation class: 600V CAT. III and 1000V CAT. II
- Output protection: μA and mA with fuse of 0,2A - 250V - 10A without fuse
- Supplied with protection holster, pair of insulated tips, K-type temperature probe, battery and instruction manual

characteristics

direct voltage DC	200mV \pm 1000V
alternating voltage AC	200mV \pm 700V
direct current DC	200 μA \pm 10A
alternating current AC	200 μA \pm 10A
resistance	200 Ω \pm 20M Ω
capacity	20nF \pm 20 μF
temperature with K probe	-40 $^{\circ}\text{C}$ \pm 1000 $^{\circ}\text{C}$ - 400 $^{\circ}\text{F}$ \pm -40 $^{\circ}\text{F}$
frequency	200kHz
max voltage to ground	700V AC RMS - 1000V DC
power	9V battery, type 6F22


gr	code	
400	00750002	1



075 D1

Spare fuse for 075 D

- 200 mA

gr	code	
2	Q00750001	1




075 E

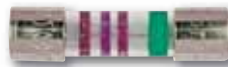
Professional digital multimeter

- Continuity and diodes tested by means of buzzer
- Display: 3 3/4 LCD 3999 dots with automatic indication of functions and symbols
- Automatic and manual output selection
- Automatic low-battery indication
- Automatic polarity indication
- Automatic power-off with short beep after circa 10 minutes of non-use
- Complies with safety norm IEC1010-1 and EU-norms 89/336/EEC and 73/23/EEC
- Insulation class: 600V CAT. III and 1000V CAT. II
- Output protection: μA and mA with fuse of 0,5A - 250V - 10A without fuse
- Supplied with protection holster, pair of insulated tips, K-type temperature probe, battery and instruction manual

characteristics

direct voltage DC	400mV \pm 1000V
alternating voltage AC	400mV \pm 750V
direct current DC	400 μA \pm 10A
alternating current AC	400 μA \pm 10A
resistance	400 Ω \pm 40M Ω
capacity	4nF \pm 200 μF
temperature with K probe	-40 $^{\circ}\text{C}$ \pm 1000 $^{\circ}\text{C}$
frequency	100Hz \pm 30MHz
max voltage to ground	750V AC RMS - 1000V DC
response in frequency	40 - 400 Hz
power	2 batteries 1,5V type AAA


gr	code	
400	00750003	1



075 E1

Spare fuse for 075 E

- 500 mA

gr	code	
2	Q00750004	1




075 F

Digital multimeter for automotive

- Continuity and diodes test
- Display: 3 1/2 LCD (16 mm) 1999 dots with automatic indication of functions and symbols
- Automatic and manual output selection
- Complies with safety norm IEC1010-1, CAT III 600V and EU-norms 89/336/EEC and 73/23/EEC
- Insulation class: 600V CAT. III pollution degree 2
- Electronic protection for all outputs
- Supplied with protection holster, pair of insulated tips, K-type temperature probe, battery and instruction manual

characteristics

direct and alternating voltage (DC/AC)	200mV \pm 600V
direct/Alternating current (DC/AC)	2A \pm 10A
Direct/Alternating current (DC/AC) with clip-on ammeter 075 P	200A \pm 1000A
resistance	200 Ω \pm 20M Ω
temperature with K probe	-20 $^{\circ}\text{C}$ \pm 1000 $^{\circ}\text{C}$ (0 $^{\circ}\text{F}$ \pm 1800 $^{\circ}\text{F}$)
DWELL angle	0-90 (4cyl) 0-60 (6cyl) 0-45 (8cyl)
measurement RPM	4-6-8 cylinders
operating temperature	0 $^{\circ}\text{C}$ \pm 40 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ \pm 104 $^{\circ}\text{F}$)
storage temperature	-10 $^{\circ}\text{C}$ \pm 50 $^{\circ}\text{C}$ (10 $^{\circ}\text{F}$ \pm 122 $^{\circ}\text{F}$)
max voltage to ground	600V DC/AC
response in frequency	40 - 400 Hz
power	3 batteries 1,5V (AAA)

gr	code	
250	00750004	1




075 G

Voltage and continuity tester

- Diodes test
- Test control
- Display: 3 1/2 LCD 2000 dots with automatic indication of functions and symbols
- Automatic and manual output selection
- Automatic low-battery indication
- Automatic polarity indication
- Automatic power-off after circa 15 minutes of non-use
- Insulation class: 600V CAT. III in compliance with IEC 1010-1 norm
- Supplied with protection holster, pair of tip and clamp cables and instruction manual

characteristics

direct and alternating voltage	AC/DC 0-600V
resistance	200 Ω \pm 20M Ω
continuity	200 Ω
power	2 batteries 1,5V type AAA

gr	code	
250	00750006	1



075 P

Clip-on ammeter

- Manufactured in compliance with safety regulations IEC 1010 and IEC1010-2-032 and European Community regulations 89/336/EEC and 73/23/EEC
- Insulation class: 1000V CAT.II for IEC1010-1
- Supplied in plastic case with instruction manual

characteristics

direct/Alternating current (DC/AC)	1A÷1000A
max jaw opening	55 mm
max voltage to ground	1000V with insulated cables
response in frequency	50 - 60 Hz
overload protection	up to 1200A for 60 seconds
power	one 9V battery type 6F22

à gr	code	
520	00750010	1



075 PD

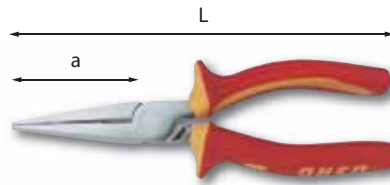
Ammeter and digital multimeter

- Display: 3 1/2 LCD
- Manufactured in compliance with safety regulations IEC 1010-1 and IEC1010-2-032, insulation class CAT-II 600V
- Memory (data hold) and A DC electronic resetting
- Supplied with pair of tips, K-type temperature probe with thermocouple (max 200°C), instructions for use, battery, nylon transport bag

characteristics

voltage	direct DC: 200 V alternating AC: 600 V
direct/alternating current DC/AC	200A÷600A
resistance	2000 Ω
Continuity test	acoustic signal for resistive values lower than 25 Ω
temperature with K probe	-20°C÷1000°C (0°F÷1800°F)
max jaw opening	36 mm
power	one 9V battery type 6F22

à gr	code	
520	00750013	1



1000V

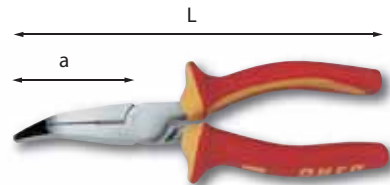
077 N

UNI 7925

Flat extra-long nose pliers with straight jaws

- Model with cutter for hard wire
- Insulated ergonomic bimaterial grip
- Knurled gripping surface
- Chrome plated finish

L mm	± 1600 N/mm ² ø max mm	a mm	code	
160	1,6	52	00770003	1
200	2	75	00770005	1



1000V

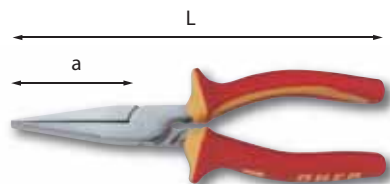
077 PN

UNI 7925

Flat extra-long nose pliers with jaws bent to 45°

- Model with cutter for hard wire
- Insulated ergonomic bimaterial grip
- Knurled gripping surface
- Chrome plated finish

L mm	± 1600 N/mm ² ø max mm	a mm	code	
160	1,6	46	00770013	1
200	2	70	00770015	1



1000V

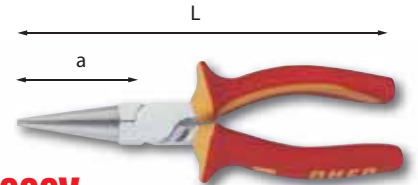
078 N

UNI 10296 DIN ISO 5745

Flat long nose pliers with straight jaws

- Insulated ergonomic bimaterial grip
- Knurled gripping surface
- Chrome plated finish

L mm	a mm	code	
160	52	00780003	1



1000V

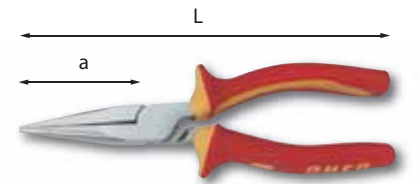
079 N

UNI 10294 DIN ISO 5745

Round long nose pliers with straight jaws

- Insulated ergonomic bimaterial grip
- Knurled gripping surface
- Chrome plated finish

L mm	a mm	code	
160	52	00790003	1



1000V

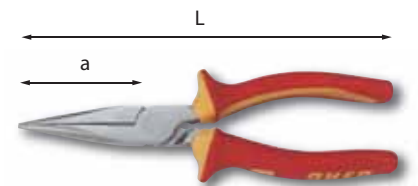
080 N

UNI 10295 DIN ISO 5745

Half-round long nose pliers with straight jaws

- Insulated ergonomic bimaterial grip
- Knurled gripping surface
- Chrome plated finish

L mm	a mm	code	
160	52	00800003	1



1000V

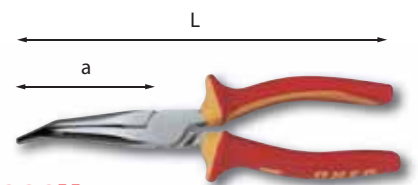
081 N

UNI 7926 DIN ISO 5745

Half-round extra-long nose pliers with straight jaws

- Model with cutter for hard wire
- Insulated ergonomic bimaterial grip
- Knurled gripping surface
- Chrome plated finish

L mm	± 1600 N/mm ² ø max mm	a mm	code	
160	1,6	52	00810003	1
200	2	75	00810005	1



1000V

081 PN

UNI 7926 DIN ISO 5745

Half-round extra-long nose pliers with jaws bent to 45°

- Model with cutter for hard wire
- Insulated ergonomic bimaterial grip
- Knurled gripping surface
- Chrome plated finish

L mm	± 1600 N/mm ² ø max mm	a mm	code	
160	1,6	46	00810013	1
200	2	70	00810015	1



1000V

082 N

UNI 7923

Wire stripper

- With screw for regulation of stripping depth
- Insulated ergonomic bimaterial grip
- Chrome plated finish

max mm ²	L mm	code	
7	170	00820003	1



1000V

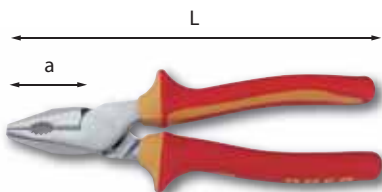
083 N

UNI 8791

Cable cutters for Copper and Aluminium cables

- Insulated ergonomic bimaterial grip
- Chrome plated finish

max mm ²	L mm	code	
17	240	00830007	1



1000V

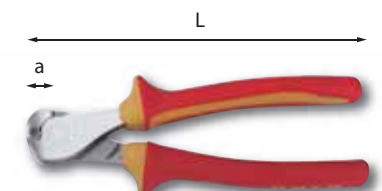
085 N

UNI 9894 DIN ISO 5746

Combination pliers

- Model with cutter for piano wire
- Insulated ergonomic bimaterial grip
- Knurled gripping surface
- Chrome plated finish

L mm	± 2000 N/mm ² ø max mm	a mm	code	
160	1,6	34	00850003	1
180	1,8	36	00850004	1
200	2	42	00850005	1



1000V

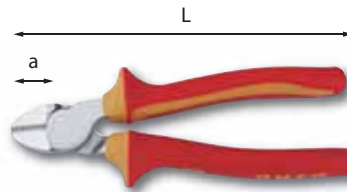
086 N

UNI DIN ISO 5748

End cutting nippers

- Model for piano wire
- Insulated ergonomic bimaterial grip
- Chrome plated finish

L mm	± 1600 N/mm ² ø max mm	a mm	code	
160	1,6	6,5	00860003	1



1000V

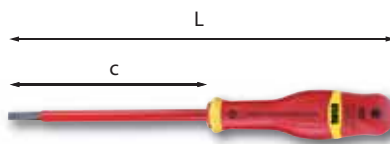
087 N

UNI DIN ISO 5749

Diagonal cutting nippers

- Model for hard wire
- Insulated ergonomic bimaterial grip
- Chrome plated finish

L mm	± 1600 N/mm ² ø max mm	a mm	code	
140	1,8	15,5	00870002	1
160	2	16,5	00870003	1



1000V

092

UNI 10562 ISO 2380 DIN 5264

Screwdrivers for slot-head screws

- Insulated ergonomic three-material grip
- Silicon Chrome Manganese steel blade
- Phosphatised finish

axbxc mm	L mm	code	
0,4x2,5x50	144	00920003	5
0,4x2,5x75	169	00920004	5
0,5x3x75	179	00920005	5
0,6x3,5x75	179	00920006	5
0,6x3,5x100	204	00920007	5
0,8x4x100	209	00920008	5
0,8x4x125	259	00920009	5
1x5,5x125	234	00920010	5
1x5,5x150	259	00920011	5
1,2x6,5x150	270	00920012	5
1,2x8x150	275	00920013	1
1,6x10x200	325	00920014	1



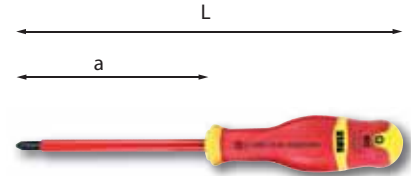
1000V

092 SE4

Set of four screwdrivers for slot-head screws

- 092/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150

L mm	± 1600 N/mm ² ø max mm	a mm	code	
160	1,6	6,5	00860003	1



1000V

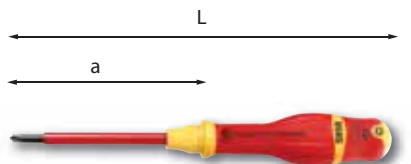
092 PH

UNI ISO 8764 DIN 5260

Screwdrivers for PHILLIPS® screws

- Insulated ergonomic three-material grip
- Silicon Chrome Manganese steel blade
- Phosphatised finish

n°xa	L mm	code	
0x75	179	00920023	5
1x100	209	00920025	5
2x125	245	00920027	5
3x150	275	00920029	1
4x200	325	00920031	1



1000V

092 PHB

Screwdrivers for slot-head/Phillips® screws

- Insulated ergonomic three-material grip
- Silicon Chrome Manganese steel blade
- Phosphatised finish

n°xa	L mm	code	
1x100	209	00920037	1
2x125	245	00920038	1



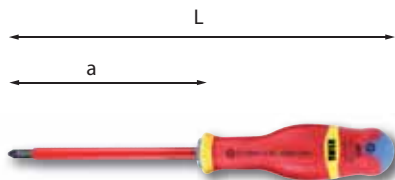
1000V

092 PHB/SE2

Set of two screwdrivers for coupled shape

- 092 PHB/1x100-2x125

L mm	code	
250	00920120	1



1000V

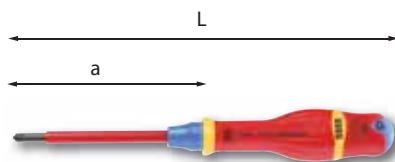
092 PZ

UNI ISO 8764 DIN 5260

Screwdrivers for POZIDRIV® - SUPADRIV® screws

- Insulated ergonomic three-material grip
- Silicon Chrome Manganese steel blade
- Phosphatised finish

n°xa	L mm	code	
0x75	179	00920040	5
1x100	209	00920042	5
2x125	245	00920044	5
3x150	275	00920046	1



1000V

092 PZB

Screwdrivers for slot-head/POZIDRIV® - SUPADRIV® screws

- Insulated ergonomic three-material grip
- Silicon Chrome Manganese steel blade
- Phosphatised finish

n°xa	L mm	code	
1x100	209	00920052	1
2x125	245	00920054	1



1000V

092 PZB/SE2

Set of two screwdrivers for coupled shape

- 092 PZB/1x100-2x125

á gr	code	
250	00920121	1



1000V

092 SH5

Set of five screwdrivers for slot-head and PHILLIPS® screws

- 092/0,5x3x75-0,8x4x100-1x5,5x125
- 092 PH/1x100-2x125

á gr	code	
440	00920100	1



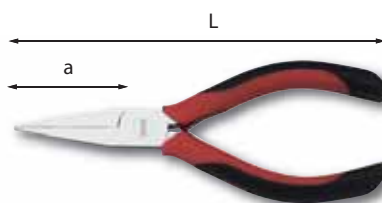
1000V

092 SH8

Set of eight screwdrivers for slot-head, PHILLIPS® and coupled shape screws

- 092/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150
- 092 PH/0x75-1x100-2x125
- 092 PZB/2x125

á gr	code	
740	00920105	1



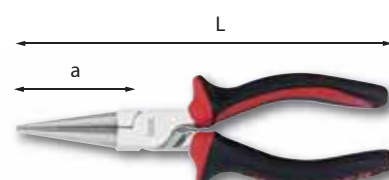
113 M

ISO 9655

Flat long nose pliers with straight jaws

- Knurled gripping surface
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	a mm	code	
140	41	113110	2



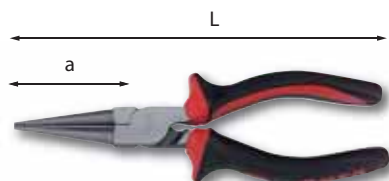
114 A

UNI 10294 DIN ISO 5745

Round long nose pliers with straight jaws

- Knurled gripping surface
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	a mm	code	
160	52	114051	2



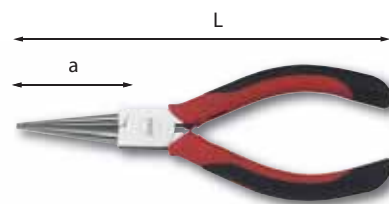
114 B

UNI 10294 DIN ISO 5745

Round long nose pliers with straight jaws

- Knurled gripping surface
- Ergonomic bimaterial grip
- Protective enamelled finish

L mm	a mm	code	
160	52	114053	2



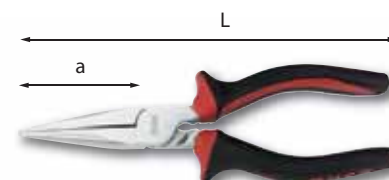
114 M

ISO 9655

Round long nose pliers with straight jaws

- Knurled gripping surface
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	a mm	code	
140	41	114110	2



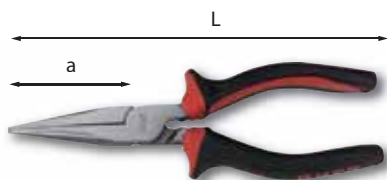
115 A

UNI 10295 DIN ISO 5745

Half-round long nose pliers with straight jaws

- Knurled gripping surface
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	a mm	code	
160	52	115051	2

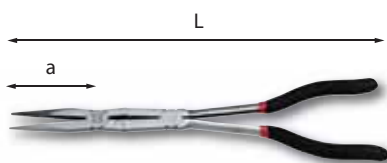


115 B ● UNI 10295 DIN ISO 5745

Half-round long nose pliers with straight jaws

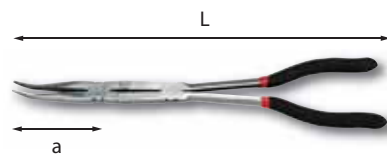
- Knurled gripping surface
- Ergonomic bimaterial grip
- Protective enamelled finish

L mm	a mm	code	
160	52	115053	2



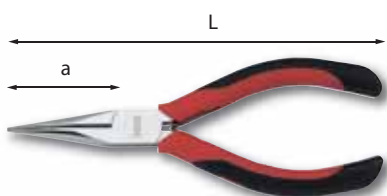
115 CL
Double-joint pliers with STRAIGHT half-round jaws

L mm	a mm	code	
340	70	01150020	1



115 CLP
Double-joint pliers with half-round jaws BENT at 45°

L mm	a mm	code	
340	65	01150021	1

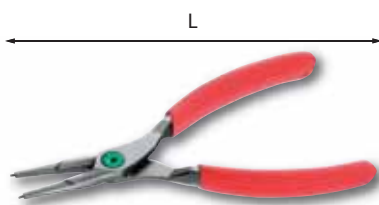


115 M ● ISO 9654

Half-round long nose pliers with straight jaws

- Knurled gripping surface
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	a mm	code	
140	41	115110	2



127 N ○ UNI 7914 DIN 5256

Pliers with straight nose for internal circlips

- Handles sheathed in antislip PVC
- Protective enamelled finish

capacity mm	L mm	code	
8÷13	130	01270002	5
12÷25	140	01270003	5
19÷60	185	01270004	5
40÷100	220	01270005	5
85÷200	280	01270006	2

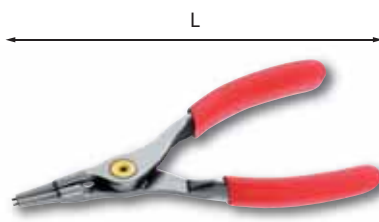


127 PN ○ UNI 7914 DIN 5256

Pliers with nose bent to 90° for internal circlips

- Handles sheathed in antislip PVC
- Protective enamelled finish

capacity mm	L mm	code	
8÷13	122	01270022	5
12÷25	130	01270023	5
19÷60	175	01270024	5
40÷100	205	01270025	5
85÷200	265	01270026	2



128 N ○ UNI 7915 DIN 5254

Pliers with straight nose for external circlips

- Handles sheathed in antislip PVC
- Protective enamelled finish

capacity mm	L mm	code	
3÷9	140	01280002	5
10÷25	140	01280003	5
19÷60	180	01280004	5
40÷100	220	01280005	5
85÷200	310	01280006	2

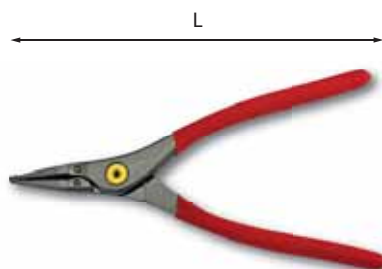


128 PN ○ UNI 7915 DIN 5254

Pliers with nose bent to 90° for external circlips

- Handles sheathed in antislip PVC
- Protective enamelled finish

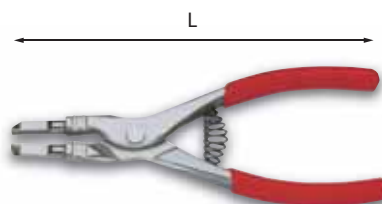
capacity mm	L mm	code	
3÷9	140	01280022	5
10÷25	140	01280023	5
19÷60	180	01280024	5
40÷100	220	01280025	5
85÷200	310	01280026	2



128 SP ○
Pliers with flat knurled jaws for external rings

- Handles sheathed in PVC
- Chrome plated finish

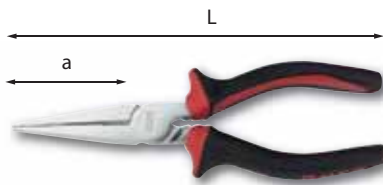
capacity mm	L mm	code	
30÷100	224	128201	2



129 ○
Pliers for external snap rings


- Special jaws for working on snap rings or stop rings (BNA R.92.01 standard)

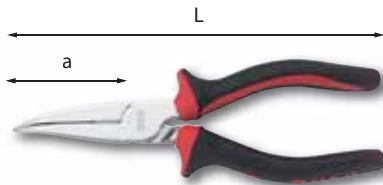
capacity mm	L mm	code	
15÷62	190	01290002	1



131 A  **UNI 7925**
Flat extra-long nose pliers with straight jaws


- Model with cutter for hard wire
- Knurled gripping surface
- Ergonomic bimaterial grip
- Chrome plated finish

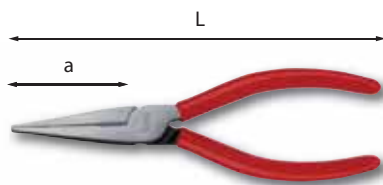
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	52	131050	5
200	2	75	131051	5



131 AP  **UNI 7925**
Flat extra-long nose pliers with jaws bent to 45°


- Model with cutter for hard wire
- Knurled gripping surface
- Ergonomic bimaterial grip
- Chrome plated finish

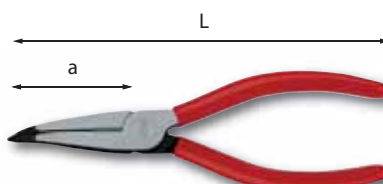
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	46	131060	5
200	2	70	131061	5



131 C  **UNI 7925**
Flat extra-long nose pliers with straight jaws


- Model with cutter for hard wire
- Knurled gripping surface
- Handles sheathed in antislip PVC
- Protective enamelled finish

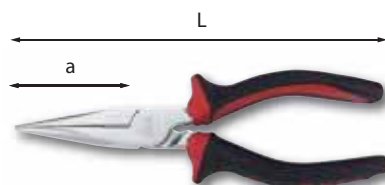
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	52	131054	5
200	2	75	131055	5



131 CP  **UNI 7925**
Flat extra-long nose pliers with jaws bent to 45°


- Model with cutter for hard wire
- Knurled gripping surface
- Handles sheathed in antislip PVC
- Protective enamelled finish

L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	46	131064	5
200	2	70	131065	5



133 A  **UNI 7926 DIN ISO 5745**
Half-round extra-long nose pliers with straight jaws


- Model with cutter for hard wire
- Knurled gripping surface
- Ergonomic bimaterial grip
- Chrome plated finish

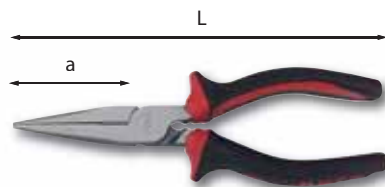
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	50	133050	5
200	2	74	133051	5



133 AP  **UNI 7926**
Half-round extra-long nose pliers with jaws bent to 45°


- Model with cutter for hard wire
- Knurled gripping surface
- Ergonomic bimaterial grip
- Chrome plated finish

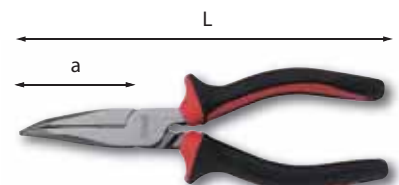
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	46	133060	5
200	2	69	133061	5



133 B  **UNI 7926 DIN ISO 5745**
Half-round extra-long nose pliers with straight jaws


- Model with cutter for hard wire
- Knurled gripping surface
- Ergonomic bimaterial grip
- Protective enamelled finish

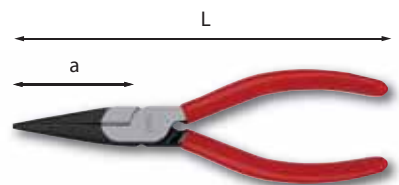
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	50	133052	5
200	2	74	133053	5



133 BP  **UNI 7926**
Half-round extra-long nose pliers with jaws bent to 45°


- Model with cutter for hard wire
- Knurled gripping surface
- Ergonomic bimaterial grip
- Protective enamelled finish

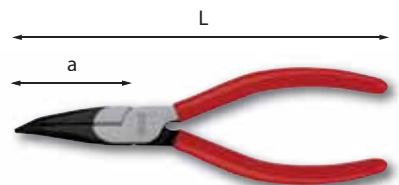
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	46	133062	5
200	2	69	133063	5



133 C  **UNI 7926 DIN ISO 5745**
Half-round extra-long nose pliers with straight jaws


- Model with cutter for hard wire
- Knurled gripping surface
- Handles sheathed in PVC
- Burnished finish with polished head

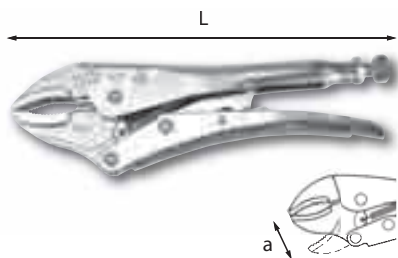
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	50	133054	5
200	2	74	133055	5



133 CP  **UNI 7926**
Half-round extra-long nose pliers with jaws bent to 45°

- Model with cutter for hard wire
- Knurled gripping surface
- Handles sheathed in PVC
- Burnished finish with polished head

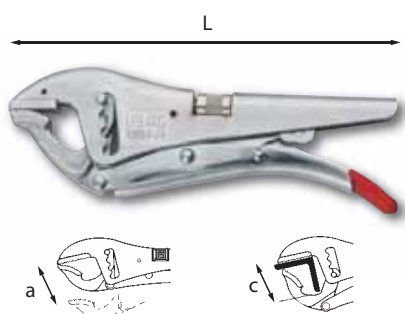
L mm	1600 N/mm ² Ø max mm	a mm	code	
160	1,6	46	133064	5
200	2	69	133065	5



134
Lock-grip pliers with concave jaws

- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

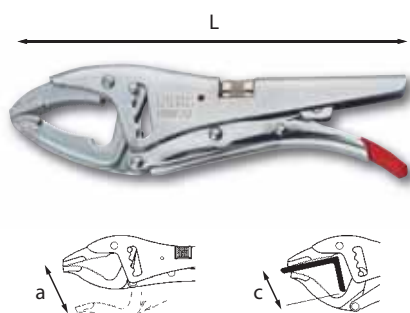
L mm	a mm	code	
180	28	134001	5
250	42	134002	5
300	65	134003	1



135 F1
Lock-grip pliers with double adjustment

- Model with short jaws
- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Chrome plated finish

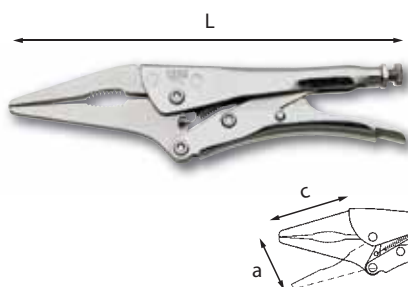
L mm	a mm	c mm	code	
230	50	40	135501	1



135 F2
Lock-grip pliers with double adjustment

- Model with long jaws
- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Chrome plated finish

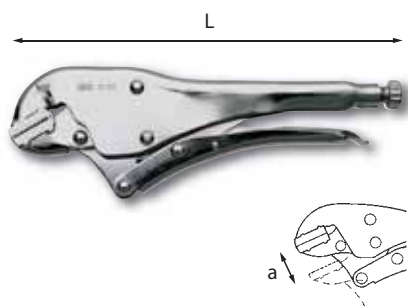
L mm	a mm	c mm	code	
255	80	50	135502	1



135 L
Lock-grip pliers with long thin jaws

- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

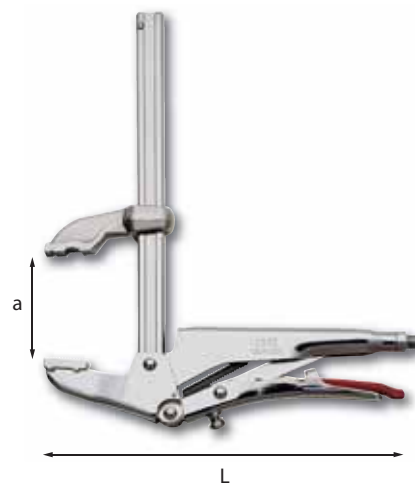
L mm	a mm	c mm	code	
235	70	80	135401	1



136
Lock-grip pliers with straight parallel jaws

- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	code	
250	50	136301	1



136 M
Lock-grip pliers with sliding upper jaw

- Screw for regulating parallelism between the jaws
- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish
- Accessories available on request: jaws 136 MA and clamp 136 MB

a mm	L mm	code	
100	260	136510	1
200	260	136511	1



136 MA
Pair of jaw-covers

- In plastic for use on delicate parts

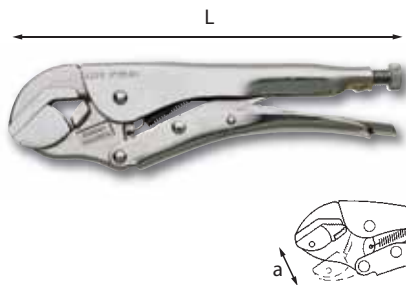
á gr	code	
20	136520	1



136 MB
Clamp

- For locking the upper jaw in the required position

á gr	code	
60	136521	1

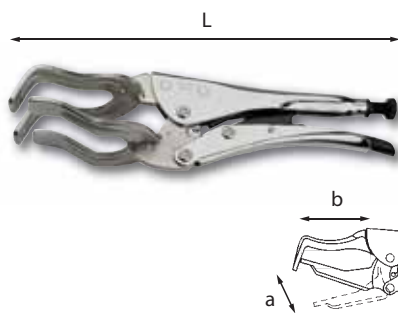


136 SN

Lock-grip pliers with articulated lower jaw

- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	code	
235	45	136501	1

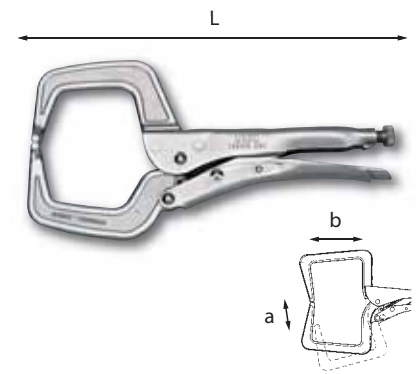


137 T

Lock-grip pliers with fork-shaped jaws

- For welding pipes
- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	b mm	code	
285	75	80	137101	1

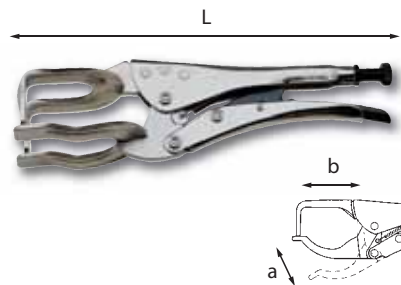


139 AN

Lock-grip pliers with C-clamp jaws

- For gripping metal profiles and small fittings
- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	b mm	code	
280	76	75	139004	1

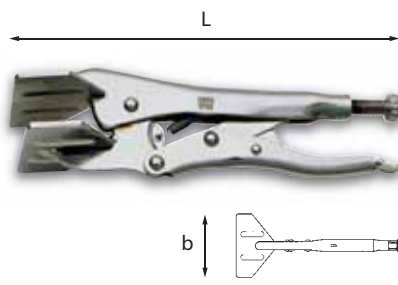


137

Lock-grip pliers with fork-shaped jaws

- For welding pipes, sheet steel and metal profiles
- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	b mm	code	
280	50	80	137001	1

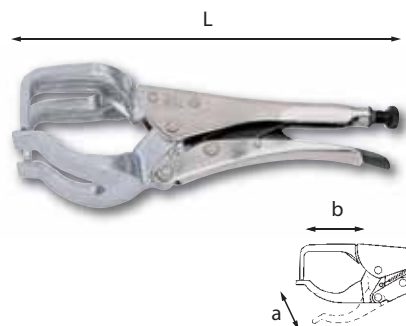


138

Lock-grip pliers with wide flat jaws

- For gripping flat sections
- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	b mm	code	
200	25	80	138001	1

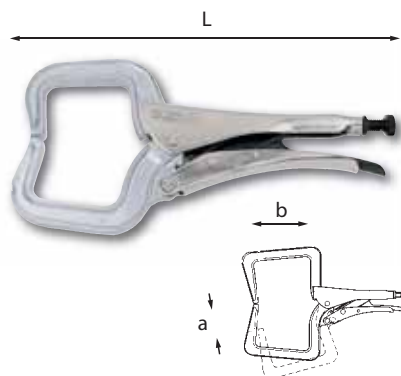


137 AL

Lock-grip pliers with fork-shaped jaws in Aluminium

- For arc-welding pipes, sheet steel and metal profiles
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	b mm	code	
275	75	80	137201	1

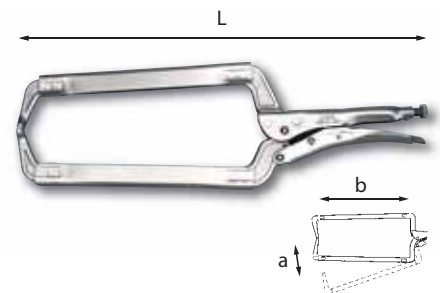


139 AL

Lock-grip pliers with C-clamp jaws in Aluminium

- For arc-welding metal profiles and small fittings
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	b mm	code	
290	80	70	139101	1
350	125	120	139102	1



139 LN

Lock-grip pliers with long C-clamp jaws

- For deep gripping
- Special Chrome Vanadium steel jaws
- Pressed sheet steel body
- Nickel plated finish

L mm	a mm	b mm	code	
450	260	280	139003	1



146 N

Automatic wire strippers

- Self-regulating model
- Blade-release system
- Wire cutter on the lower part
- Devices for regulating cutting depth and stripping length

n°	mm²	max mm	L mm	code	
1	0,02÷10	15	191	01460001	1
2	4÷16	15	191	01460002	1



146 NA Spare jaws

n°	mm ²	code	1
1	0,02÷10	Q01460001	1
2	4÷16	Q01460002	1



147 N Wire strippers

- Screw for regulating stripping depth

max mm ²	L mm	code	5
7	160	147050	5



148 A Cable cutters for Copper and Aluminium cables

- Rack-type model
- Pressed sheet steel handles sheathed in PVC

ø max mm	L mm	code	1
32	260	148101	1
52	280	148102	1



148 AB Spare fixed blade

ø mm	code	1
32	148111	1
52	148112	1



148 AC Spare mobile blade

ø mm	code	1
32	148121	1
52	148122	1



148 L Cable cutters for Copper and Aluminium cables

- Long model with handles in tubular steel
- PVC handgrips

ø max mm	L mm	code	1
32	600	148201	1



148 N Cable cutters for Copper and Aluminium cables

- Ergonomic bimaterial grip
- Chrome Vanadium steel body

ø max mm	L mm	code	1
10	175	148003	1
17	235	148004	1



150 A Combination pliers

- Model with cutter for piano wire
- Knurled gripping surface
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	2000 N/mm ² ø max mm	a mm	code	5
160	1,6	34	150050	5
180	1,8	36	150051	5
200	2	42	150052	5



150 B Combination pliers

- Model with cutter for piano wire
- Knurled gripping surface
- Ergonomic bimaterial grip
- Protective enamelled finish

L mm	2000 N/mm ² ø max mm	a mm	code	5
180	1,8	36	150054	5
200	2	42	150055	5



150 C Combination pliers

- Model with cutter for piano wire
- Knurled gripping surface
- Handles sheathed in PVC
- Burnished finish with polished head

L mm	2000 N/mm ² ø max mm	a mm	code	5
160	1,6	34	150056	5
180	1,8	36	150057	5
200	2	42	150058	5



156 A Combination pliers

- Model with raised cutter for piano wire
- Side cutters for soft wire, Ø max 3 mm
- Knurled gripping surface
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	2000 N/mm ² ø max mm	a mm	code	5
160	1,6	35,5	156050	5
180	1,8	39	156051	5
200	2	43	156052	5



157 RV Empty holders for pliers, cutting nippers and miscellaneous tools

n°	L mm	gr	code	1
8	220	265	Q157001	1
14	440	665	Q157002	1



158 A

Safety-twist pliers

- Model with automatic spring-action
- Lateral cutter with rubber inserts to hold the cut wire
- Tapering jaws with knurled gripping surface
- Burnished finish

∅ wire mm	L mm	code	
1,6	260	158001	1



160

Punch pliers

- Revolving model with six interchangeable punches
- Handles sheathed in PVC

∅ punches mm	code	
2-2,5-3-3,5-4-4,5	160001	1



160 A

Spare punches

∅ punches mm	code	
2	160101	1
2,5	160102	1
3	160103	1
3,5	160104	1
4	160105	1
4,5	160106	1



160 K

Gasket punch kit

- Assortment of 15 punches
- Cutting capacity: ∅ (3-4-6-8-10-12-14-16-18-20-22-24-26-28-30) mm using punch and 56÷330 mm using calipers

LxPxH mm	∅ Kg	code	
228x183x44	1,3	01600080	1



161

Cable sheath stripper

- For circular and longitudinal stripping of cables with external sheathing in rubber or PVC
- Device for regulating cutting depth (max 3 mm)
- Retractable rear hook for removing sheath after cutting
- Plastic handgrip
- Steel body

∅ mm	L mm	code	
6÷25	135	161001	1



161 B

Spare blade

∅ gr	code	
10	161101	1



161 A1

Wire stripper with adjustable blade

- Multifunctional tool for circular and longitudinal cutting
- Device for regulating cutting depth
- Supplied with spare blade

∅ max mm	L mm	code	
28	134	01610001	1



161 A2

Wire stripper with adjustable blade and cutter

- Multifunctional tool for circular and longitudinal cutting
- Device for regulating cutting depth
- Supplied with spare blade

∅ mm	L mm	code	
28	206	01610002	1



161 AR

Spare blade

- For 161 A1 and 161 A2

∅ gr	code	
7	Q01610001	1



162

Cable sheath stripper

- For circular and longitudinal cutting of all types of external sheathing
- Rollers to assist longitudinal movement
- Device for regulating cutting depth (max 5 mm)
- Plastic handgrip
- Steel body

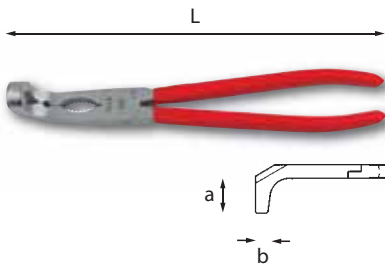
∅ mm	L mm	code	
8÷25	170	162001	1



162 B

Spare blade and pins

∅ gr	code	
10	162101	1



169
Cock nut pliers

- For work on pipe-connection nuts in inaccessible places
- Chrome Vanadium steel body

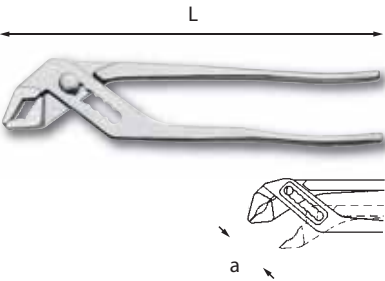
L mm	a mm	b mm	code	
270	39	10	169001	2



177 ISO 9343
Slip-joint adjustable pliers, two-positions

- Handles sheathed in PVC
- Special Chrome Vanadium steel body
- Chrome plated finish

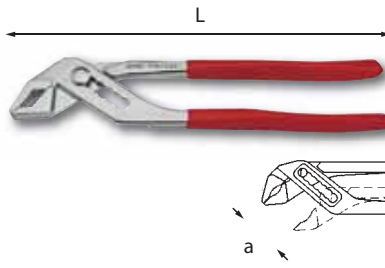
L mm	a mm	code	
165	30	177001	5
200	35	177002	5



178 UNI DIN ISO 8976
Lay-on slip-joint adjustable pliers

- 6-positions model (4 positions for the 125 mm size)
- Special Chrome Vanadium steel body
- Chrome plated finish

L mm	a mm	code	
190	32	178001	5
240	38	178002	5
125	15	178003	5



178 I UNI DIN ISO 8976
Lay-on slip-joint adjustable pliers

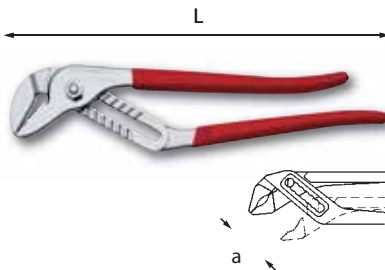
- 6-positions model (4 positions for the 125 mm size)
- Handles sheathed in PVC
- Special Chrome Vanadium steel body
- Chrome plated finish

L mm	a mm	code	
125	15	178000	5
190	32	178101	5
240	38	178102	5



178 A
Spare bolt for pliers 178-178I

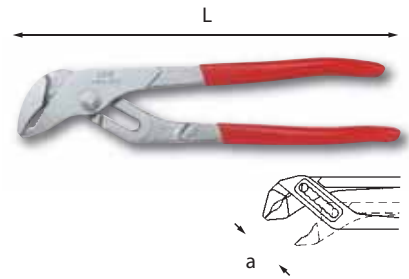
L mm	code	
125	178201	5
190	178202	5
240	178203	5



179 L UNI DIN ISO 8976
Lay-on slip-joint adjustable pliers with channels

- 11-positions model
- Handles sheathed in PVC
- Special Chrome Vanadium steel body
- Chrome plated finish

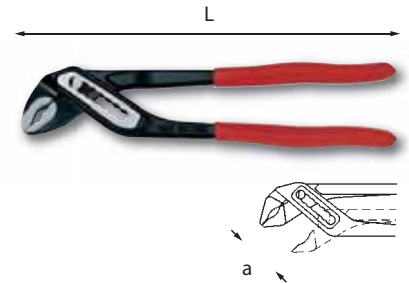
L mm	a mm	code	
400	90	179102	1



179 N UNI DIN ISO 8976
Lay-on slip-joint adjustable pliers with channels

- 5-positions model
- Handles sheathed in PVC
- Special Chrome Vanadium steel body
- Chrome plated finish

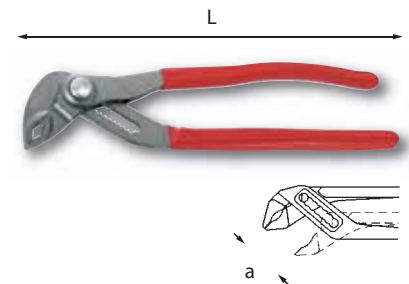
L mm	a mm	code	
240	42	01790024	5



180 C UNI DIN ISO 8976
Box-joint adjustable pliers

- 7-positions model
- Handles sheathed in PVC
- Special Chrome Vanadium steel body
- Enamelled finish

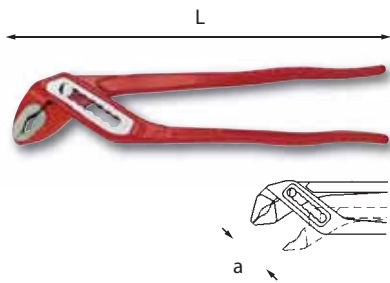
L mm	a mm	code	
250	36	01800010	5
300	42	01800011	5



180 N
Semiautomatic adjustable pliers

- 20-positions model for size 180 mm (10 notches) and 24 positions for size 250 mm (12 notches); adjustable with regulation button
- Handles sheathed in antislip PVC
- Special Chrome Vanadium steel body
- Protective enamelled finish

L mm	a mm	code	
180	24	01800020	2
250	33,8	01800021	2



180 V UNI DIN ISO 8976

Box-joint adjustable pliers

- 7-positions model
- Special Chrome Vanadium steel body
- Enamelled finish

L mm	a mm	code	
250	36	01800015	5
300	42	01800016	5

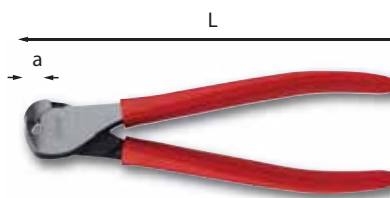


182 A UNI DIN ISO 5748

End cutting nippers

- Model for piano wire
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	2000 N/mm ² ø max mm	a mm	code	
160	1,6	6,5	182051	2
200	2	7	182052	2



182 C UNI DIN ISO 5748

End cutting nippers

- Model for piano wire
- Handles sheathed in PVC
- Burnished finish with polished head

L mm	2000 N/mm ² ø max mm	a mm	code	
160	1,6	6,5	182057	2
200	2	7	182058	2



185 A UNI DIN ISO 5749

Diagonal cutting nippers

- Model for hard wire
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	1600 N/mm ² ø max mm	a mm	code	
140	1,8	15,5	185051	5
160	2	16,5	185052	5

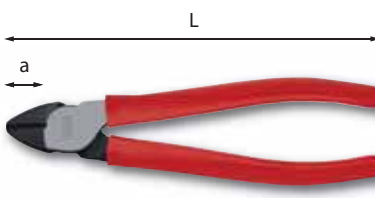


185 B UNI DIN ISO 5749

Diagonal cutting nippers

- Model for hard wire
- Ergonomic bimaterial grip
- Protective enamelled finish

L mm	1600 N/mm ² ø max mm	a mm	code	
140	1,8	15,5	185054	5
160	2	16,5	185055	5

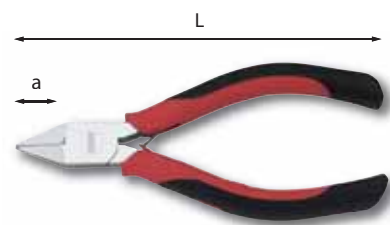


185 C UNI DIN ISO 5749

Diagonal cutting nippers

- Model for hard wire
- Handles sheathed in PVC
- Burnished finish with polished head

L mm	1600 N/mm ² ø max mm	a mm	code	
140	1,8	15,5	185057	5
160	2	16,5	185058	5

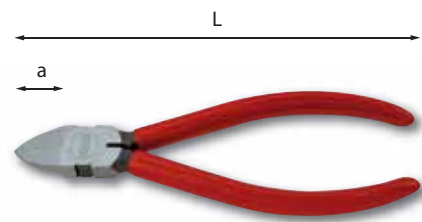


185 M ISO 9654

Diagonal cutting nippers

- Rounded nose
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip
- Chrome plated finish

L mm	1600 N/mm ² ø max mm	a mm	code	
130	1,4	19	185110	2



186 C

Diagonal cutting nippers with flush cutting edge for plastics

- Rounded thinned jaws
- Spring-action
- Handles sheathed in PVC
- Special Chrome Vanadium steel
- Burnished finish with polished head

L mm	a mm	code	
150	22	186060	2
180	27	186061	2



188 A UNI DIN ISO 5749

Heavy-duty diagonal cutting nippers

- For piano wire, axis closer to cutting edges to minimise cutting effort
- Ergonomic bimaterial grip
- Chrome plated finish


L mm	2000 N/mm ² ø max mm	a mm	code	
140	1,4	15,5	188050	5
160	1,6	18	188051	5
180	1,8	20	188052	5
200	2	22	188053	5

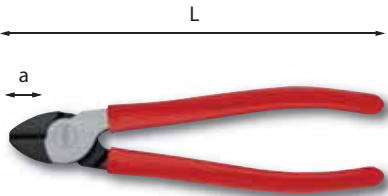


188 B  **UNI DIN ISO 5749**

Heavy-duty diagonal cutting nippers

- For piano wire, axis closer to cutting edges to minimise cutting effort
- Ergonomic bimaterial grip
- Protective enamelled finish


L mm	± 2000 N/mm ² ø max mm	a mm	code	
140	1,4	15,5	188054	5
160	1,6	18	188055	5
180	1,8	20	188056	5
200	2	22	188057	5

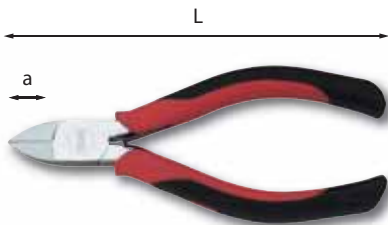


188 C  **UNI DIN ISO 5749**

Heavy-duty diagonal cutting nippers

- For piano wire, axis closer to cutting edges to minimise cutting effort
- Handles sheathed in PVC
- Burnished finish with polished head


L mm	± 2000 N/mm ² ø max mm	a mm	code	
140	1,4	15,5	188058	5
160	1,6	18	188059	5
180	1,8	20	188060	5
200	2	22	188061	5

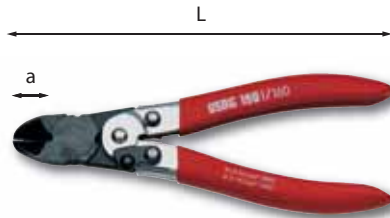


188 M  **ISO 9654**

Diagonal cutting nippers

- Pointed tapering jaws
- Spring-action with interchangeable plates
- Ergonomic bimaterial grip
- Chrome plated finish


L mm	± 1600 N/mm ² ø max mm	a mm	code	
130	1,6	19	188110	2

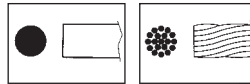
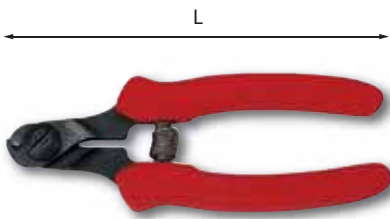


190 I  **UNI ISO 5747**

Toggle joint diagonal cutting nippers


- For piano wire, with knee-type joint to reduce cutting effort
- Pressed sheet steel handles, sheathed in PVC
- Polished Nickel plated and burnished finish

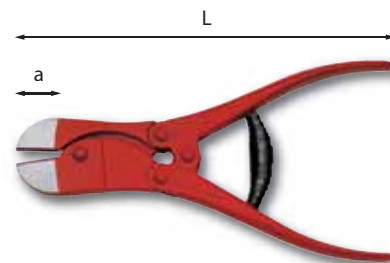
L mm	± 2000 N/mm ² ø max mm	a mm	code	
160	2	16	190101	2



191
Cable cutter for steel cables

- Model for round steel cables and strands
- PVC handles
- Burnished finish


L mm	± 2000 N/mm ² ø max mm	± 1600 N/mm ² ø max mm	code	
165	1,5	5	191001	1

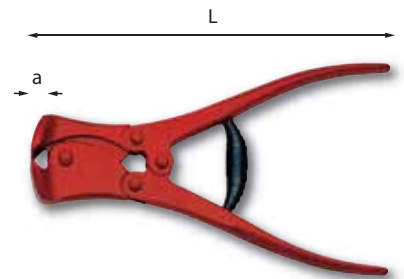


192  **UNI DIN ISO 5749**

Toggle joint diagonal cutting nippers

- For piano wire, with knee-type joint to reduce cutting effort
- Enamelled finish


L mm	± 2000 N/mm ² ø max mm	a mm	code	
200	2,5	20	192001	1



194  **UNI DIN ISO 5748**

Toggle joint end cutting nippers

- For piano wire, with knee-type joint to reduce cutting effort
- Enamelled finish

L mm	± 2000 N/mm ² ø max mm	a mm	code	
180	2	9	194003	1
210	2,5	10	194004	1



196 NR
Bolt cutters with flush cutter


- Blades with high-resistance cutting edges
- Handgrips in PVC

L mm	± 140 Kg/mm ² ø max mm	± 60 Kg/mm ² ø max mm	± Kg	code	
350	5	6	1,3	01960001	1



196 N
Bolt cutters with central cutter

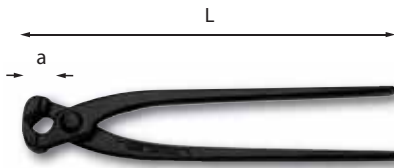
- Blades with high-resistance cutting edges
- Handgrips in PVC

L mm	± 140 Kg/mm ² ø max mm	± 60 Kg/mm ² ø max mm	± Kg	code	
450	6	7	1,9	01960002	1
600	7	10	3,5	01960003	1
750	9	13	4,5	01960004	1
900	10	16	6,1	01960005	1
1050	11	18	8,3	01960006	1



196 AN
Spare blades

L mm	code	
R 350	Q01960010	1
450	Q01960020	1
600	Q01960030	1
750	Q01960040	1
900	Q01960050	1
1050	Q01960060	1



199 DIN ISO 9242
Pincers for cement layers

- Carbon steel
- Phosphatised finish

L mm	a mm	code	
190	15	199010	5
250	19	199013	5
225	17	199015	5
280	19	199150	5



200 DIN 6473
Hacksaw

- Model for 300 mm blades with adjustable blade
- Screw for regulating blade tension
- Aluminium handle
- Supplied with HSS BI-METAL steel blade 200 A/24

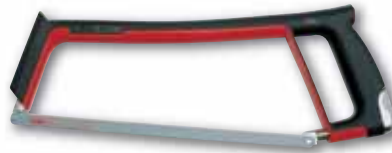
mm blade "	L mm	code	
300 12	450	200001	1



200 L DIN 6473
Hacksaw

- Model for 300 mm blades with adjustable blade
- Wooden handle
- Supplied with HSS BI-METAL steel blade 200 A/24

mm blade "	L mm	code	
300 12	500	02000003	1



200 S DIN 6473
Hacksaw

- Model for 300 mm blades with possibility of positioning the blade at 45° and 90°
- Blade tension regulator integrated in the handle
- Steel body with antislip and shock resistant plastic coating
- Supplied with HSS BI-METAL steel blade 200 A/24

mm blade "	L mm	code	
300 12	385	200002	1



200 A DIN 6494
Spare blades

- HSS BI-METAL steel model

d mm	mm blade "	code	
18	300 12	200103	10
24	300 12	200101	10
32	300 12	200105	10



200 B DIN 6494
Spare blades

- HSS steel model

d mm	mm blade "	code	
18	300 12	200104	10
24	300 12	200102	10
32	300 12	200106	10



201 DIN 6473
Hacksaw frame

- Light model for 150 mm blades
- Steel bow
- Supplied with Super Rapid steel blade (32 teeth per inch)

mm blade "	L mm	code	
150 6	237	201001	10



201 A DIN 6494

Spare blade
- For 201-201S

ã gr	code	
3	201101	10



201 S
Hacksaw frame with blade tensioner

- Light model for 150 mm blades
- Supplied with Super Rapid steel blade (32 teeth per inch)

mm blade "	L mm	code	
150 6	255	02010003	5



202
Nibbler for sheet steel

- For shaping sheet steel, Copper or synthetic materials

L mm	600 N/mm ² max mm	code	
260	1,2	202001	1



202 A
Spare blade

ã gr	code	
19	202101	5



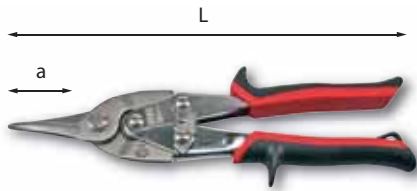
202 B
Spare jaws

ã gr	code	
32	202201	1



202 C Spare spring

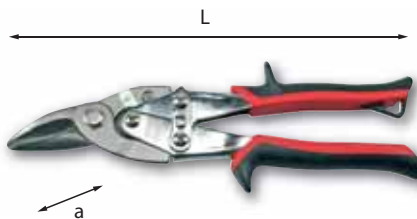
a gr	code	
4	202202	5



203 AN Toggle joint shears for sheet steel

- Model with straight blades
- Ergonomic bimaterial grip

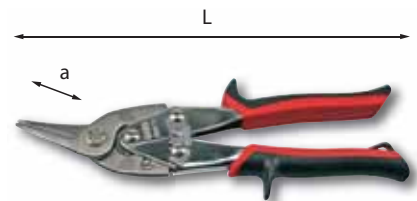
L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
250	50	1,5	1	02030001	1



203 BN Toggle joint shears for sheet steel

- Model with right-cut blades
- Ergonomic bimaterial grip

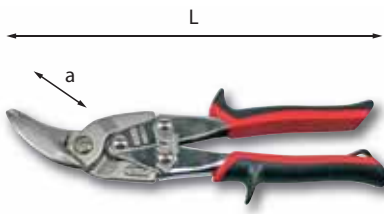
L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
250	40	1,5	1	02030002	1



203 CN Toggle joint shears for sheet steel

- Model with left-cut blades
- Ergonomic bimaterial grip

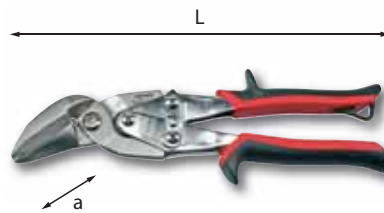
L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
250	40	1,5	1	02030003	1



203 DN Toggle joint shears for sheet steel

- Model with left-cut blades for through cuts and shaping
- Ergonomic bimaterial grip

L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
260	40	1,8	1,2	02030004	1



203 EN Toggle joint shears for sheet steel

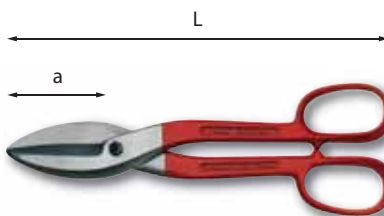
- Model with right-cut blades for through cuts and shaping
- Ergonomic bimaterial grip

L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
260	40	1,8	1,2	02030005	1



203 A Spare springs

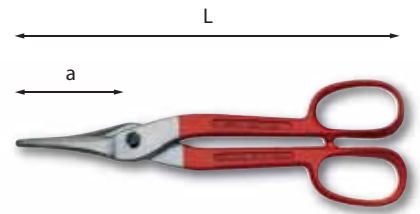
n°	code	
1 for 203 AN-CN-DN	Q02030006	5
2 for 203 BN-EN	Q02030007	5



204 Shears for sheet steel

- American model with wide straight blades

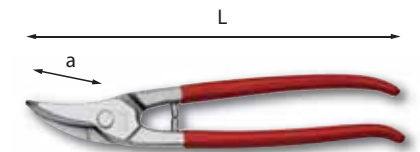
L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
200	48	1	0,7	204002	1
250	58	1,2	0,8	204004	1
300	75	1,5	1	204006	1
350	95	1,5	1	204008	1



205 Shears for sheet steel

- American model with narrow straight blades

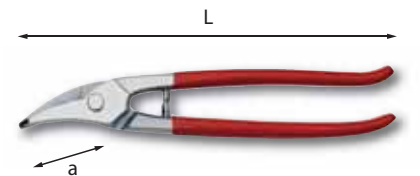
L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
200	48	1	0,7	205001	1
300	72	1,2	0,8	205002	1



206 A Shears for sheet steel

- Model with right-cut blades

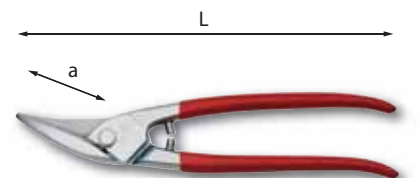
L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
280	46	1,5	1	206101	1



206 B Shears for sheet steel

- Model with left-cut blades

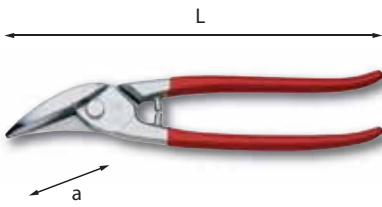
L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
280	46	1,5	1	206102	1



206 C Shears for sheet steel

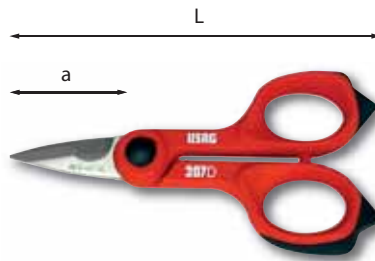
- Model with left-cut blades

L mm	a mm	± 400 N/mm ² max mm	± 600 N/mm ² max mm	code	
280	50	1,5	1	206103	1



206 D
Shears for sheet steel
 - Model with right-cut blades

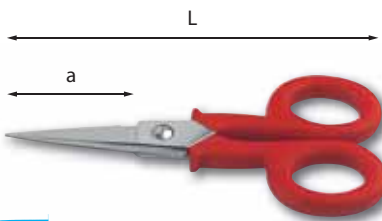
L mm	a mm	400 N/mm ² max mm	600 N/mm ² max mm	code	
280	50	1,5	1	206104	1



207 D
Scissors for electricians

- Scissors for electricians with cable cutter on both blades
- Blades in stainless steel
- Ergonomic handles
- Blade thickness 3,5 mm

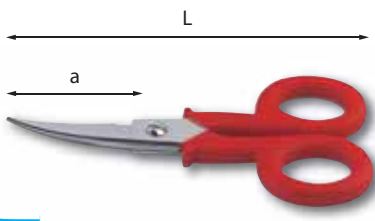
L mm	a mm	gr	code	
150	43	90	02070005	1



207 A
Scissors for electricians

- Model with straight blades
- Handles sheathed in nylon
- Carbon steel body
- Nickel plated finish

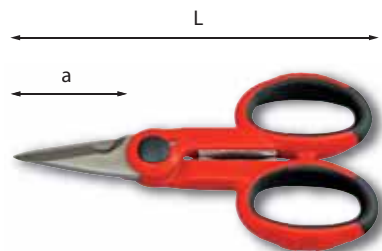
L mm	a mm	gr	code	
145	47	90	207101	5



208 A
Scissors for electricians

- Model with curved blades
- Handles sheathed in nylon
- Carbon steel body
- Nickel plated finish

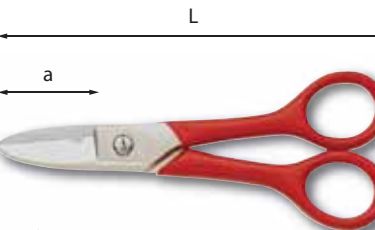
L mm	a mm	gr	code	
145	47	90	208101	5



207 C
Scissors for electricians

- Model with micro, antislip tothing
- Big ergonomic bimaterial handles
- Tubeholding jaws
- Stainless steel body with Titanium covering

L mm	a mm	gr	code	
143	45	80	02070004	5



209
Scissors for electricians

- Model with straight blades, one of which is finely serrated
- Handles sheathed in PVC
- Carbon steel body
- Nickel plated finish

L mm	a mm	gr	code	
150	33	120	209001	5



210 A
Professional multi-purpose scissors

- Model with symmetrical handles
- Steel blades, Titanium coated
- Ergonomic bimaterial grip

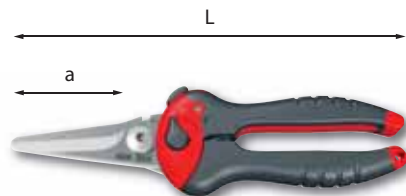
L mm	gr	code	
175	70	02100001	5



210 C
Multi-purpose scissors

- Stainless steel blade with micro antislip tothing
- Big ergonomic bimaterial handles
- Perfect for Aluminium, cardboard, rubber, leather, moquette, etc.

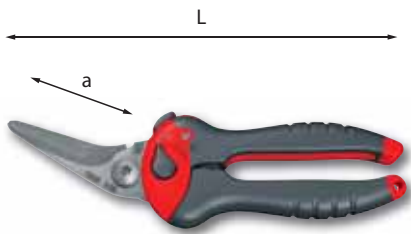
L mm	a mm	gr	code	
280	100	250	02100003	1



211 A
Multi-purpose scissors

- Blade with micro antislip tothing
- Selection lever to adapt to small and big hands
- Security lever to block the blades
- Antislip bimaterial ergonomic handgrips

L mm	a mm	gr	code	
210	60	200	02110001	1



211 B

Multi-purpose scissors with inclined blades

- Blade with micro antislip tothing
- Selection lever to adapt to small and big hands
- Security lever to block the blades
- Antislip bimaterial ergonomic handgrips

L mm	a mm	g gr	code	img
200	55	200	02110002	1



215 B

Panel punching and folding pliers

- Model with swivel head for piercing (ø 5 mm) and folding (12 mm) the edges of sheet steel which must be welded

thickness max	L mm	code	img
0,8	290	215002	1



216 N

Knife for electricians

- Clasp knife with wire stripper
- Plastic handle
- Stainless steel blade

L mm	a mm	code	img
200	85	02160001	5



217

Knife for boat maintenance

- Clasp knife with an awl for loosening knots
- Plastic handle
- Stainless steel blade and awl

L mm	a mm	code	img
185	75	217001	1



220 A1

Utility knife with snap-off blades

- Interchangeable 9 mm blade with snap-off sections
- Ergonomic ABS handle with soft covering
- Steel blade slide
- Automatic blade blocking
- Supplied with 2 spare blades

L mm	code	img
173	02200000	6



220 AR

Spare blades (100 pcs)

g gr	code	img
240	Q220001	1



220 B1

Utility knife with snap-off blades

- Interchangeable 18 mm blade with snap-off sections
- Ergonomic ABS handle with soft covering
- Steel blade slide
- Automatic blade blocking
- Supplied with 2 spare blades

L mm	code	img
173	02200001	6



220 B2

Utility knife with snap-off blades

- Interchangeable 18 mm blade with snap-off sections and automatic loading of blades
- Ergonomic ABS handle with soft covering
- Steel blade slide
- Automatic blade blocking
- Blade blocking roll
- Supplied with 6 spare blades

L mm	code	img
172	02200002	6



220 BR

Spare blades (100 pcs)

g gr	code	img
520	Q220002	1



220 C

Utility knife with snap-off blades

- Interchangeable 22 mm blade (0,7 mm thick) with snap-off sections of steel with a high Carbon content
- Safety catch for extending and blocking the blade
- Automatic loading of blades
- Ergonomic grip in light alloy
- Supplied with 3 spare blades stored in the handle

L mm	code	img
167	02200003	2



220 CR

Spare blades (50 pcs)

g gr	code	img
700	Q02200003	1

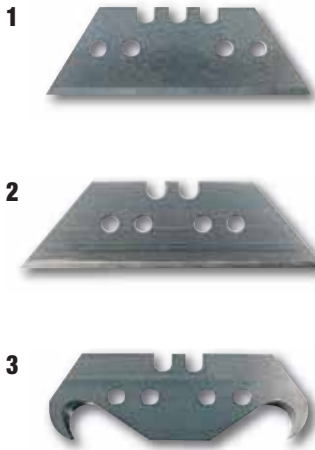


221 AN

Utility knife

- Interchangeable 18 mm blade of steel with a high Carbon content
- Safety catch for extending and blocking the blade in three different positions
- Light alloy casing
- Enamelled finish
- Supplied with spare blade 221 AR/2, stored in the handle

L mm	g gr	code	img
160	177	02210001	2



221 AR Spare blades

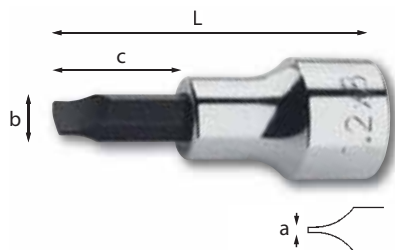
n°	type	code	
1	Standard blade (100 pcs)	Q221001	1
2	Standard long blade (100 pcs)	Q221002	1
3	Double-hooked blade (50 pcs)	Q221003	1



221 B Safety knife with retractable blade

- Safety knife with retractable blade
- Automatic blade recall
- Light alloy ergonomic handle
- ABS catch with front and side thumb seat
- Supplied with 3 blades 221 AR/2 (1 fitted and 2 as replacement)

L mm	code	
173	02210002	6



231 1/4" N

Socket bits for slot-head screws

- Special Chrome Vanadium steel
- Chrome plated finish with phosphatised insert

axbxc mm	L mm	code	
1,2x6,5x14	33	02310012	5
1,2x8x14	33	02310014	5
0,6x4x14	33	02310009	5

231 3/8" N

Socket bits for slot-head screws

axbxc mm	L mm	code	
0,8x5,5x24	52	02311010	5
1x6,5x24	52	02311012	5
1,2x8x24	52	02311014	5

231 1/2" N

Socket bits for slot-head screws

axbxc mm	L mm	code	
1,2x8x24	60	02312014	5
1,6x10x24	60	02312016	5
2x12x24	60	02312018	5



232 1/4" NPH

Socket bits for PHILLIPS® screws

- Special Chrome Vanadium steel
- Chrome plated finish with phosphatised insert

n°xb mm	L mm	code	
1x14	33	02320011	5
2x14	33	02320012	5
3x14	33	02320013	5

232 3/8" NPH

Socket bits for PHILLIPS® screws

n°xb mm	L mm	code	
1x24	50	02321011	5
2x24	50	02321012	5
3x24	50	02321013	5

232 1/2" NPH

Socket bits for PHILLIPS® screws

n°xb mm	L mm	code	
2x24	60	02322012	5
3x24	60	02322013	5
4x24	60	02322014	5



233 1/4" NTX

Socket bits for TORX® screws

- Special Chrome Vanadium steel
- Chrome plated finish with phosphatised insert

n°xb mm	L mm	code	
T8x14	33	02330110	5
T9x14	33	02330111	5
T10x14	33	02330112	5
T15x14	33	02330113	5
T20x14	33	02330114	5
T25x14	33	02330115	5
T27x14	33	02330116	5
T30x14	33	02330117	5
T40x14	33	02330119	5

233 3/8" NTX

Socket bits for TORX® screws

n°xb mm	L mm	code	
T10x24	51	02331110	5
T15x24	51	02331111	5
T20x24	51	02331112	5
T25x24	51	02331113	5
T27x24	51	02331114	5
T30x24	51	02331115	5
T40x24	51	02331116	5
T45x24	51	02331118	5
T50x24	51	02331120	5

233 1/2" NTX

Socket bits for TORX® screws

n°xb mm	L mm	code	
T20x24	60	02332105	5
T25x24	60	02332107	5
T27x24	60	02332109	5
T30x24	60	02332111	5
T40x24	60	02332113	5
T40Lx84	120	02332114	1
T45x24	60	02332115	5
T45Lx84	120	02332116	1
T50x24	60	02332117	5
T55x24	60	02332119	5
T55Lx104	140	02332120	1
T60x24	60	02332121	5
T70Lx104	140	02332124	1



233 3/8" NTX/S7

Set of seven socket bits for TORX® screws

- Supplied with plastic stands 559 3/8" and metal holder 559 B/250

pcs size	item
7 T15-T20-T25-T27-T30-T40-T45	233 3/8" NTX


à gr	code	
400	02331551	1

233 1/2" NTX/S9

Set of nine socket bits for TORX® screws

- Supplied with plastic stands 559 1/2" and metal holder 559 B/250

pcs size	item
9 T20-T25-T27-T30-T40-T45-T50-T55-T60	233 1/2" NTX


à gr	code	
800	02332551	1

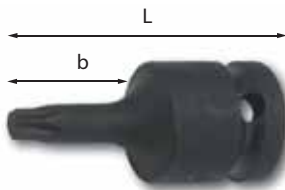


233 1/2" NTX/C9

Set in sheet steel box (9 pcs)

pcs size	item
9 T20-T25-T27-T30-T40-T45-T50-T55-T60	233 1/2" NTX


LxPxH mm	à Kg	code	
240x90x40	1,2	02332555	1



233 1/2" MNTX

Socket bits for TORX® screws

- Special Chrome Molybdenum steel
- Phosphatised finish


n°xb mm	L mm	code	
T30x30	55	233610	1
T40x30	55	233611	1
T45x30	55	233612	1
T50x30	55	233613	1
T55x30	55	233614	1
T60x30	55	233615	1

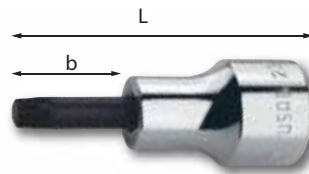


233 1/2" MNTX/C6

Set of socket bits in sheet steel box (6 pcs)

pcs size	item
6 T30-T40-T45-T50-T55-T60	233 1/2" MNTX


LxPxH mm	à Kg	code	
240x90x40	1	02332560	1



233 1/2" NXZN

Socket bits for XZN screws

- Special Chrome Molybdenum steel
- Chrome plated finish with burnished insert

n°xb mm	L mm	code	
5x24	60	02332152	1
6x24	60	02332153	1
6Lx64	100	02332154	1
8x24	60	02332156	1
8Lx64	100	02332157	1
10x24	60	02332159	1
10Lx64	100	02332160	1
10L1x84	120	02332161	1
12x24	60	02332163	1
12Lx64	100	02332164	1
12L1x104	140	02332165	1
14x24	60	02332167	1
14Lx64	100	02332168	1
16x24	60	02332170	1




233 1/2" NXZN/S7

Set of seven socket bits for XZN screws

- Supplied with plastic stands 559 1/2" and metal holder 559 B/250

pcs size	item
7 5-6-8L-10L-12L-14-16	233 1/2" NXZN

à gr	code	
700	02332509	1




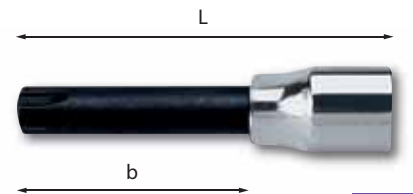
233 1/2" NXZN/S8

Set of eight socket bits for XZN screws

- Supplied with plastic stands 559 1/2" and metal holder 559 B/250


pcs size	item
8 6-6L-8-8L-10-10L-12-12L	233 1/2" NXZN

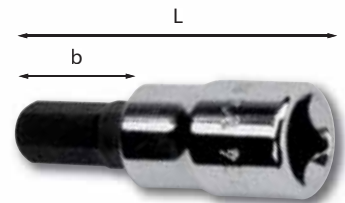
à gr	code	
840	02332510	1



233 1/2" NS

Socket wrenches for splined hexagonal screws (RIBE)

n°	b mm	L mm	code	
7	24	60	02332005	1
7L	64	100	02332006	1
9L	64	100	02332012	1
10	24	60	02332014	1
10L	64	100	02332015	1
12L	64	100	02332018	1
14L	64	100	02332021	1
16L	64	100	02332024	1




233 1/4" N

UNI ISO 2936

Socket bits for Allen screws


- Special Chrome Vanadium steel
- Chrome plated finish with phosphatised insert

n°xb mm	L mm	code	
2,5x14	33	02340004	5
3x14	33	02340008	5
4x14	33	02340016	5
5x14	33	02340024	5
6x14	33	02340028	5
7x14	33	02340032	5
8x14	33	02340036	5

234 3/8" N

UNI ISO 2936 DIN 7422


Socket bits for Allen screws

n°xb mm	L mm	code	
2,5x24	51	02341004	5
3x24	51	02341008	5
4x24	51	02341016	5
5x24	51	02341024	5
6x24	51	02341028	5
7x24	51	02341032	5
8x24	51	02341036	5
10x24	51	02341040	5

234 1/2" N

UNI ISO 2936 DIN 7422

Socket bits for Allen screws


n°xb mm	L mm	code	
5x24	60	02342004	5
5L2x144	180	02342007	1
6x24	60	02342008	5
6Lx64	100	02342009	1
6L1x104	140	02342010	1
6L2x184	220	02342011	1
7x24	60	02342012	5
7Lx64	100	02342013	1
8x24	60	02342016	5
8Lx64	100	02342017	1
10x24	60	02342022	5
10Lx104	140	02342023	1
12x24	60	02342027	5
12Lx64	100	02342029	1
14x24	60	02342033	5
17x24	60	02342040	5
19x24	60	02342048	5

234 3/8" N/S8

Set of eight socket bits for Allen screws

- Supplied with plastic stands 559 3/8" and metal holder 559 B/250

pcs size	item
8 2,5-3-4-5-6-7-8-10	234 3/8" N


à gr	code	
500	02341510	1

234 1/2" N/S8

Set of eight socket bits for Allen screws

- Supplied with plastic stands 559 1/2" and metal holder 559 B/250

pcs size	item
8 5-6-7-8-10-12-14-17	234 1/2" N

à gr	code	
900	02342510	1




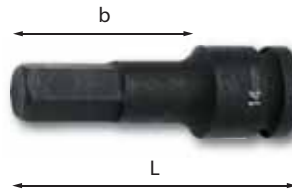
234 1/2" N/S8L

Set of eight long socket bits for Allen screws

- Supplied with plastic stands 559 1/2" and metal holder 559 B/250

pcs size	item
8 5L2-6L-6L1-6L2-7L-8L-10L-12L	234 1/2" N


à Kg	code	
1,2	02342511	1

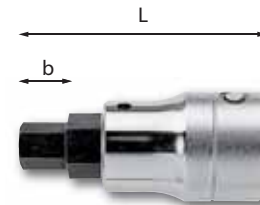


234 1/2" MN

Socket bits for Allen screws

- Special Chrome Molybdenum steel
- Phosphatised finish

n°xb mm	L mm	code	
8x30	75	234713	1
10x30	75	234714	1
12x30	75	234715	1
14x30	75	234716	1
17x30	75	234717	1
19x30	75	234718	1




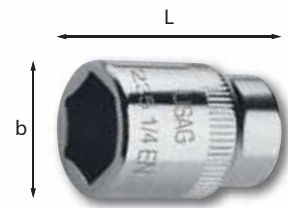
234 3/4" N

UNI ISO 2936 DIN 7422

Socket bits for Allen screws

- Special Chrome Vanadium steel
- Chrome plated finish

n°xb mm	L mm	code	
14x45	75	02343003	1
17x45	75	02343010	1
19x45	75	02343018	1
22x45	75	02343025	1




1/4

235 1/4" EN

UNI-ISO 2725-1 DIN 3124


hexagonal sockets

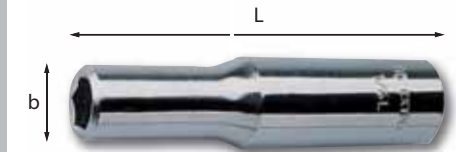
- Special Chrome Molybdenum steel
- Chrome plated finish

Ø mm	b mm	L mm	code	
4	6,9	22	02350103	5
4,5	7,5	22	02350104	5
5	8,2	22	02350105	5
5,5	8,8	22	02350106	5
6	9,4	22	02350107	5
7	10,9	22	02350108	5
8	11,9	22	02350109	5
9	13,1	22	02350110	5
10	14,6	22	02350111	5
11	15,7	22	02350112	5
12	16,9	22	02350113	5
13	17,6	22	02350114	5
14	18,6	22	02350115	5

235 1/4" EPN

hexagonal sockets

Ø "	b mm	L mm	code	
1/8	5,9	22	02350151	2
5/32	6,9	22	02350152	2
3/16	8	22	02350153	2
7/32	9	22	02350154	2
1/4	10,1	22	02350155	2
9/32	10,9	22	02350156	2
5/16	11,9	22	02350157	2
11/32	13,1	22	02350158	2
3/8	14,6	22	02350159	2
7/16	15,7	22	02350161	2
1/2	17,6	22	02350162	2
9/16	18,6	22	02350164	2




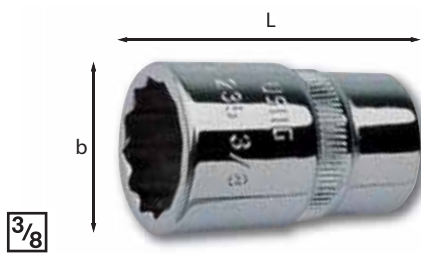
235 1/4" EL

UNI-ISO 2725-1 DIN 3124

long hexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

Ø mm	b mm	L mm	code	
4	6,5	50	235532	2
4,5	7	50	235533	2
5	7,5	50	235534	2
5,5	8,5	50	235535	2
6	9,5	50	235536	2
7	10,5	50	235537	2
8	12	50	235538	2
9	13	50	235539	2
10	14	50	235540	2
11	16	50	235541	2
12	17	50	235542	2
13	17,5	50	235543	2
14	20	50	235544	2



235 3/8" UNI-ISO 2725-1 DIN 3124

FullContact bihexagonal sockets

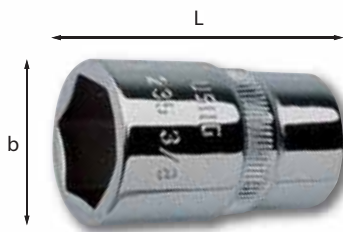
- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code	
6	9,2	27	235001	5
7	10,5	27	235002	5
8	11,8	27	235003	5
9	13	27	235004	5
10	14,4	27	235005	5
11	15,6	27	235006	5
12	16,5	27	235007	5
13	18,4	30	235008	5
14	19,4	30	235009	5
15	20,7	30	235010	5
16	21,9	30	235011	5
17	23,3	30	235012	5
18	24,6	33	235013	5
19	25,9	33	235014	5
22	29,6	33	235015	5
20	27,1	33	235118	5
21	28,4	33	235119	5

235 3/8" P

FullContact bihexagonal sockets

O"	b mm	L mm	code	
1/4	10,5	27	235016	2
5/16	11,8	27	235017	2
3/8	14,4	27	235019	2
7/16	15,6	27	235020	2
1/2	18	30	235021	2
9/16	19,4	30	235022	2
5/8	21,9	30	235024	2
11/16	23,9	33	235025	2
3/4	25,9	33	235026	2
13/16	27,9	33	235027	2
7/8	29,6	33	235028	2



235 3/8" E UNI-ISO 2725-1 DIN 3124

FullContact hexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code	
6	9,2	27	235130	5
7	10,5	27	235131	5
8	11,8	27	235132	5
9	13	27	235133	5
10	14,4	27	235134	5
11	15,6	27	235135	5
12	16,5	27	235136	5
13	18,4	30	235137	5
14	19,4	30	235138	5
15	20,7	30	235139	5
16	21,9	30	235140	5
17	23,3	30	235141	5
18	24,6	33	235142	5
19	25,9	33	235143	5
20	27,1	33	235144	5
21	28,4	33	235145	5
22	29,6	33	235146	5



235 3/8" S17

Set of seventeen bihexagonal sockets

- Supplied with plastic stands 559 3/8" and metal holders 559 B/250

pcs size	item
17 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22	235 3/8"

gr	code	
900	235086	1

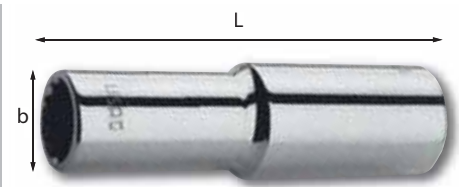
235 3/8" E/S17

Set of seventeen hexagonal sockets

- Supplied with plastic stands 559 3/8" and metal holders 559 B/250

pcs size	item
17 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22	235 3/8" E

gr	code	
900	235194	1

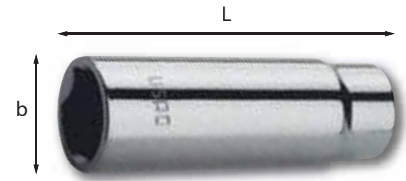


235 3/8" LN UNI-ISO 2725-1 DIN 3124

FullContact long bihexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code	
8	11,8	65	02351206	2
9	13	65	02351207	2
10	14,2	65	02351208	2
11	15,5	65	02351209	2
12	16,7	65	02351210	2
13	18,2	65	02351211	2
14	19,5	65	02351212	2
15	21	65	02351213	2
16	22	65	02351214	2
17	23,2	65	02351215	2
18	24,5	65	02351216	2
19	26	65	02351217	2
20	27	65	02351218	2
21	28	65	02351219	2
22	29,5	65	02351220	2



235 3/8" ELN UNI-ISO 2725-1 DIN 3124

FullContact long hexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code	
8	11,8	65	02351306	2
9	13	65	02351307	2
10	14,2	65	02351308	2
11	15,5	65	02351309	2
12	16,7	65	02351310	2
13	18,2	65	02351311	2
14	19,5	65	02351312	2
15	21	65	02351313	2
16	22	65	02351314	2
17	23,2	65	02351315	2
18	24,5	65	02351316	2
19	26	65	02351317	2
20	27	65	02351318	2
21	28	65	02351319	2
22	29,5	65	02351320	2



235 1/2" LN/C10

Set of sockets in sheet steel box (10 pcs)

pcs	mis	item
10	10-12-13-14-17-19-22-24-27-30	235 1/2" LN

LxPxH mm	Kg	code	img
325x140x52	3,1	02359273	



235 3/4" N UNI-ISO 2725-1 DIN 3124

FullContact[®] bihexagonal sockets

- Special Chrome Vanadium steel
- Chrome plated finish

O mm	b mm	L mm	code	img
19	30,2	49	02353004	4
22	33,4	49	02353106	1
23	36	53	02353108	4
24	36	53	02353109	4
26	39	52,5	02353111	4
27	39,8	53	02353112	4
28	41	53	02353113	4
29	42	52,5	02353114	1
30	43	59	02353115	4
32	46	59	02353117	4
33	48	59	02353118	2
34	48,5	59	02353119	2
35	49,9	59	02353120	1
36	51	59	02353121	2
38	54,3	67	02353123	2
40	55,9	66,9	02353124	1
41	57,3	67	02353125	2
42	59,4	66,9	02353126	1
43	59,4	66,9	02353134	1
44	61,9	66,9	02353135	1
46	63,5	75	02353127	2
50	68,5	75	02353129	2
54	73,9	75	02353130	1
55	74,8	75	02353131	2

235 3/4" PN

FullContact[®] bihexagonal sockets

O"	b mm	L mm	code	img
7/8	33,7	51	02353054	1
15/16	36	51	02353056	1
1	38	52,5	02353057	1
1 1/16	39,8	52,5	02353058	1
1 1/8	41,7	52,5	02353059	1
1 1/4	46	59	02353061	1
1 5/16	48,2	59	02353063	1
1 3/8	50,2	59	02353065	1
1 7/16	51	59	02353066	1
1 1/2	54,3	67	02353067	1
1 5/8	57,3	67	02353071	1
1 11/16	60,7	67	02353073	1
1 3/4	62,2	67	02353074	1
1 13/16	63,5	75	02353076	1
1 7/8	66,2	75	02353077	1
2	68,5	75	02353080	1

235 3/4" EN

UNI-ISO 2725-1 DIN 3124

FullContact[®] hexagonal sockets

- Special Chrome Vanadium steel
- Chrome plated finish

O mm	b mm	L mm	code	img
19	30,2	49	02353104	4
21	31,9	49	02353106	1
22	33,4	51	02353107	4
23	36	53	02353108	4
24	36	53	02353109	4
26	39	52,5	02353111	4
27	39,8	53	02353112	4
28	41	53	02353113	4
29	42	52,5	02353114	1
30	43	59	02353115	4
32	46	59	02353117	4
33	48	59	02353118	2
34	48,5	59	02353119	2
35	49,9	59	02353120	1
36	51	59	02353121	2
38	54,3	67	02353123	2
40	55,9	66,9	02353124	1
41	57,3	67	02353125	2
42	59,4	66,9	02353126	1
43	59,4	66,9	02353134	1
44	61,9	66,9	02353135	1
46	63,5	75	02353127	2
50	68,5	75	02353129	2
54	73,9	75	02353130	1
55	74,8	75	02353131	2

235 1" N

UNI-ISO 2725-1 DIN 3124

FullContact[®] bihexagonal sockets (for IVECO)

- Special Chrome Vanadium steel
- Chrome plated finish
- Perfect for applications on IVECO wheel hubs

O mm	b mm	L mm	code	img
65	89	92	02354014	1

235 1" EN

UNI-ISO 2725-1 DIN 3124

FullContact[®] hexagonal sockets

- Special Chrome Vanadium steel
- Chrome plated finish

O mm	b mm	L mm	code	img
41	57,5	74	02354106	1
46	65	76	02354108	1
50	70	80	02354110	1
55	76	84	02354112	1
60	83	87	02354113	1
65	89	92	02354114	1
70	95	96	02354115	1
75	101	100	02354116	1
80	108	106	02354117	1

235 1" EPN

FullContact[®] hexagonal sockets

O"	b mm	L mm	code	img
1 13/16	65	76	02354108	1
1 7/8	67	80	02354163	1
2	70	80	02354166	1
2 3/16	75,5	84	02354169	1
2 1/4	79	84	02354170	1
2 3/8	82,5	87	02354172	1
2 1/2	86	92	02354174	1
2 5/8	90,5	92	02354177	1
2 3/4	94	96	02354180	1
3	104	100	02354182	1
3 1/8	108	106	02354184	1

3/8**235 3/8" NTX****TORX® sockets**

n°	b mm	L mm	code	
E4	5,5	32	02351402	2
E5	7	32	02351403	2
E6	8	32	02351404	2
E7	9	32	02351405	2
E8	10,5	32	02351406	2
E10	14	32	02351408	2
E12	16	32	02351409	2
E14	18	32	02351410	2
E16	20	32	02351412	2

1/2**235 1/2" NTX****TORX® sockets**

n°	b mm	L mm	code	
E10	14	38	02352405	2
E12	16	38	02352406	2
E14	18	38	02352407	2
E16	20	38	02352409	2
E18	22	38	02352410	2
E20	24	38	02352411	2
E24	28	38	02352412	2

**235 3/8" NTX/S9****Set of nine TORX® sockets**

- Supplied with plastic stands 559 3/8" and metal holder 559 B/250

pcs size	item
9 E4-E5-E6-E7-E8-E10-E12-E14-E16	235 3/8" NTX

à gr	code	
300	02359185	1

235 1/2" NTX/S7**Set of seven TORX® sockets**

- Supplied with plastic stands 559 1/2" and metal holder 559 B/250

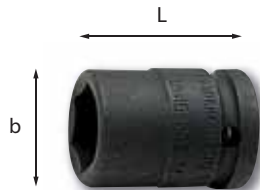
pcs size	item
7 E10-E12-E14-E16-E18-E20-E24	235 1/2" NTX

à gr	code	
700	02359260	1

**235 1/2" NTX/C7****Set in sheet steel box (7 pcs)**

pcs size	item
7 E10-E12-E14-E16-E18-E20-E24	235 1/2" NTX

LxPxH mm	à Kg	code	
240x90x40	1	02359264	1

**3/8****235 3/8" M UNI-ISO 2725-2 DIN 3129****FullContact hexagonal sockets**

- Special Chrome Molybdenum steel
- Phosphatised finish

O mm	b mm	L mm	code	
6	12,5	32	235101	1
7	12,5	32	235102	1
8	14	32	235103	1
9	15	32	235104	1
10	16,5	32	235105	1
11	17,5	32	235106	1
12	19	32	235107	1
13	20	32	235108	1
14	21,5	32	235109	1
15	22,5	32	235110	1
16	24	32	235111	1
17	25	32	235112	1
18	26,5	32	235113	1
19	27,5	32	235114	1
22	31,5	34	235115	1

1/2**235 1/2" M UNI-ISO 2725-2 DIN 3129****FullContact hexagonal sockets**

O mm	b mm	L mm	code	
8	14	38	235224	1
9	15	38	235225	1
10	16	38	235201	1
11	17,5	38	235202	1
12	19	38	235203	1
13	20	38	235204	1
14	22	38	235205	1
15	23,7	38	235206	1
16	25	38	235207	1
17	26,3	38	235208	1
18	27,6	38	235209	1
19	28,8	38	235210	1
20	30	38	235211	1
21	30	38	235212	1

235 1/2" M

O mm	b mm	L mm	code	
22	32	38	235213	1
23	32	38	235214	1
24	35	45	235215	1
25	36	45	235216	1
26	38	50	235217	1
27	38,8	50	235218	1
28	40	50	235219	1
29	40	50	235220	1
30	42	50	235221	1
32	44	50	235222	1
36	49	50	235223	1

**235 1/2" M/S7****Set of seven hexagonal sockets**

- Supplied with plastic stands 559 1/2" and metal holder 559 B/250

pcs size	item
7 10-13-17-19-22-24-27	235 1/2" M

à Kg	code	
1	02359254	1

**3/4****235 3/4" M UNI-ISO 2725-2 DIN 3129****FullContact hexagonal sockets**


- Special Chrome Molybdenum steel
- Phosphatised finish

O mm	b mm	L mm	code	
17	31	50	235301	1
18	32	50	235302	1
19	33	50	235303	1
20	34	50	235304	1
21	35	50	235305	1
22	37	50	235306	1
23	38	50	235307	1
24	39	50	235308	1
25	40	50	235309	1
26	41	50	235310	1
27	43	54	235311	1
28	44	54	235312	1
30	47	54	235313	1
32	49	56	235314	1
33	51	56	235324	1
34	52	56	235325	1
36	54	56	235315	1
38	57	58	235316	1
41	60	58	235317	1
46	67	63	235318	1
50	71	72	235319	1
55	77	74	235320	1
60	84	75	235321	1

1**235 1" M**

UNI-ISO 2725-2 DIN 3129


FullContact hexagonal sockets

O mm	b mm	L mm	code	
22	42,5	60	235972	1
24	42,5	60	235973	1
27	46,5	60	235974	1
30	50	62	235975	1
32	52,5	63	235976	1
33	54	63	235964	1
36	57,5	67	235977	1
41	64	70	235965	1
46	70	76	235966	1
50	75	82	235967	1
55	81,5	87	235968	1
60	87,5	91	235969	1
65	94	95	235970	1
70	100	100	235971	1

1 1/2**235 1 1/2" M**


UNI-ISO 2725-2 DIN 3129

FullContact hexagonal sockets


O mm	b mm	L mm	code	
46	76	84	235870	1
50	81	87	235871	1
55	88	90	235872	1
60	94	95	235873	1
65	100	100	235874	1
70	106,5	105	235875	1
75	113	106	235876	1
80	119	115	235877	1
85	125	118	235878	1
90	132	123	235879	1
95	138	123	235937	1
100	144	130	235945	1
105	150	130	235946	1
110	157	135	235947	1
115	163	140	235948	1
120	169	140	235949	1

**1 1/2****235 1 1/2" ML****FullContact** long hexagonal sockets


- Special Chrome Molybdenum steel
- Phosphatised finish

O mm	b mm	L mm	code	
10	17,4	62	235240	1
13	21,2	62	235241	1
14	22,5	62	235242	1
16	25	62	235278	1
17	26,3	62	235243	1
18	27,6	62	235279	1
19	28,8	62	235244	1
21	30	62	235248	1
22	32	62	235245	1
24	35	62	235246	1
27	38,8	62	235247	1

3/4**235 3/4" ML****FullContact** long hexagonal sockets


O mm	b mm	L mm	code	
22	37	95	235340	1
24	39	95	235341	1
27	43	95	235342	1
30	47	95	235343	1
32	49	95	235344	1
33	51	95	235347	1
36	54	95	235345	1
41	60	95	235346	1

1**235 1" ML****FullContact** long hexagonal sockets

O mm	b mm	L mm	code	
24	42,5	110	235900	1
27	46,5	110	235901	1
30	50	110	235902	1
32	52,5	110	235903	1
33	54	110	235930	1
36	57,5	110	235904	1
38	57,5	110	235905	1
41	64	110	235906	1
46	70	110	235907	1
50	75	115	235908	1
55	81,5	115	235909	1
60	87,5	120	235910	1
65	94	125	235911	1
70	100	130	235912	1

**1 1/2****235 1 1/2" MLS****FullContact** long hexagonal sockets with thin walls

- Special Chrome Molybdenum steel
- Phosphatised finish

O mm	b mm	L mm	code	
15	21,7	78	235227	1
17	24	78	235230	1
19	26	78	235231	1
21	28	78	235235	1
22	29,5	78	235232	1
24	32	78	235233	1
27	36	78	235234	1

**235 1/2" MLS/S6**

Set of six long hexagonal sockets

- Supplied in plastic tray

pcs size

6 17-19-21-22-24-27


item

235 1/2" MLS


kg	code	
1,7	235239	1

3/4**235 3/4" MLS****FullContact** long hexagonal sockets with thin walls

- Special Chrome Molybdenum steel
- Phosphatised finish


O mm	b mm	L mm	code	
19	28,5	95	235338	1
22	33,5	95	235330	1
24	36,5	95	235331	1
27	40,5	95	235332	1
30	43,5	95	235333	1
32	46,5	95	235334	1
33	47,7	95	235335	1
36	52	95	235336	1

1**235 1" MLS****FullContact** long hexagonal sockets with thin walls

O mm	b mm	L mm	code	
27	41,5	110	235861	1
30	46	110	235862	1
32	48	110	235863	1
33	50	110	235864	1
36	53	110	235865	1

**1 1/2****235 1/2" MTX****TORX** sockets

- Special Chrome Molybdenum steel
- Phosphatised finish

n°	b mm	L mm	code	
E10	13	38	235440	1
E12	15	38	235441	1
E14	17	38	235442	1
E16	18,5	38	235443	1
E18	20,5	38	235444	1
E20	22,5	38	235445	1
E24	26,5	45	235446	1



235 1/2" MTX/S7

Set of seven TORX® sockets

- Supplied with plastic stands 559 1/2" and metal holder 559 B/250

pcs	size	item
7	E10-E12-E14-E16-E18-E20-E24	235 1/2" MTX

kg	code	item
1	02359270	1



235 1/2" MTX/C7

Set of sockets in sheet steel box (7 pcs)

pcs	size	item
7	E10-E12-E14-E16-E18-E20-E24	235 1/2" MTX

LxPxH mm	kg	code	item
240x90x40	1,2	02359272	1

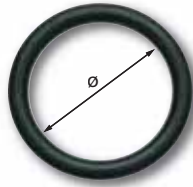


235 MC

UNI-ISO 2725-2 DIN 3129

Lock pins

n°	Lxø mm	code	item
2	(15x2,5)	Q02350101	5
3	(18x2,5)	Q02350102	5
4	(20x3)	Q02350103	5
5	(24x3)	Q02350104	5
6	(28x3)	Q02350105	5
7	(37x4)	Q02350106	5
8	(43x5)	Q02350107	5
9	(75x6)	Q02350108	5
10	(84x6)	Q02350109	5



235 MD

UNI-ISO 2725-2 DIN 3129

Safety rings

n°	ø mm	code	item
2	15,5	Q02350131	5
3	18,6	Q02350132	5
4	20,2	Q02350123	5
5	25	Q02350124	5
6	28	Q02350125	5
7	38	Q02350126	5
8	46	Q02350127	5
9	75	Q02350128	5
10	85	Q02350129	5



236 1/4"

UNI-ISO 3316 DIN 3123

Extensions

- Special Chrome Vanadium steel
- Chrome plated finish

L mm	code	item
50	236801	5
100	236802	5
150	236803	5

236 3/8"

UNI-ISO 3316 DIN 3123

Extensions

L mm	code	item
75	236000	5
125	236001	5
250	236002	5

236 1/2"

UNI-ISO 3316 DIN 3123

Extensions

L mm	code	item
75	236300	5
125	236201	5
250	236202	5

236 3/4"

UNI-ISO 3316 DIN 3123

Extensions

L mm	code	item
100	236400	5
200	236401	5
400	236402	5

236 1"

UNI-ISO 3316 DIN 3123

Extensions

L mm	code	item
200	236601	1
415	236602	1



236 3/8" TS

Angled extensions

- Model with male square drive giving a working angle of 8° with respect to the axis of the socket
- Special Chrome Molybdenum steel
- Chrome plated finish

L mm	code	item
75	236009	1
125	236007	1
250	236011	1

236 1/2" TS

Angled extensions

L mm	code	item
75	236015	1
125	236017	1
250	236018	1



236 1/4" SN

Flexible extension

- Maximum permissible torsion 10 Nm
- Special Chrome Vanadium steel
- Flexible shaft sheathed in plastic
- Square drive and blade nickel plated finish

L mm	code	item
115	236806	1



236 3/8" M


Extensions

- Special Chrome Molybdenum steel
- Phosphatised finish

L mm	code	item
75	236101	1
125	236103	1


236 1/2" M

Extensions

L mm	code	
75	236102	1
125	236306	1


236 3/4" M

Extensions

L mm	code	
100	236701	1
250	236406	1

236 1" M

Extensions

L mm	code	
175	236603	1
250	236604	1
330	236605	1




237 A 1/4" "

UNI-ISO 3315 DIN 3122

Reversible ratchet


- Model with 72 teeth and an angle of action of only 5° for working in restricted spaces
- Knob-turn reversal system
- Ergonomic bimaterial grip
- Special Chrome Vanadium steel body
- Chrome plated finish

L mm	b mm	code	
122	25	02370002	1

237 A 3/8" "

UNI-ISO 3315 DIN 3122


Reversible ratchet

L mm	b mm	code	
183	30	02370004	1

237 A 1/2" "

UNI-ISO 3315 DIN 3122


Reversible ratchet

L mm	b mm	code	
257	38,5	02370006	1

237 A 3/4" "

UNI-ISO 3315 DIN 3122

Reversible ratchet


L mm	b mm	code	
515	60	02370008	1



237 AR 1/4" "- 3/8" "

Spare parts kit


- For 237 A 1/4", 237 A 3/8" and 237 F 3/8"

à gr	code	
10	Q02370122	1

237 AR 1/2" "

Spare parts kit


- For 237 A 1/2" and 237 F 1/2"

à gr	code	
20	Q02370124	1

237 AR 3/4" "

Spare parts kit

- For 237 A 3/4"

à Kg	code	
1	Q02370125	1




237 D 1/4" "

UNI-ISO 3315 DIN 3122

Simple ratchet with sliding square drive


- Model with 60 teeth and an angle of action of only 6° for working in restricted spaces
- Ergonomic bimaterial grip
- Special Chrome Vanadium steel body
- Chrome plated finish

L mm	b mm	code	
130	24	02370052	1

237 D 3/8" "

UNI-ISO 3315 DIN 3122


Simple ratchet with sliding square drive

L mm	b mm	code	
181	32	02370054	1

237 D 1/2" "

UNI-ISO 3315 DIN 3122


Simple ratchet with sliding square drive

L mm	b mm	code	
260	41	02370056	1

237 D 3/4" "

UNI-ISO 3315 DIN 3122

Simple ratchet with sliding square drive

L mm	b mm	code	
515	60	02370058	1



237 E 3/8" "

UNI-ISO 3315 DIN 3122

Simple ratchet with female square drive

- Model with 60 teeth and an angle of action of only 6° for working in restricted spaces
- Ergonomic bimaterial grip
- Special Chrome Vanadium steel body
- Chrome plated finish

L mm	b mm	code	
200	32	02370044	1

237 E 1/2" "

Simple ratchet with female square drive

L mm	b mm	code	
260	41	02370046	1

237 E 3/4" "

UNI-ISO 3315 DIN 3122

Simple ratchet with female square drive


L mm	b mm	code	
515	60	02370048	1



237 DRA 1/4" "

Spare parts kit


- For 237 1/4" D

à Kg	code	
1	Q02370042	1

237 DRA 3/8" "

Spare parts kit


- For 237 D 3/8" and 237 E 3/8"

à Kg	code	
1	Q02370043	1

237 DRA 1/2" "

Spare parts kit

- For 237 D 1/2" and 237 E 1/2"

à Kg	code	
1	Q02370044	1

237 DRA 3/4"

Spare parts kit

- For 237 D 3/4" and 237 E 3/4"

kg	code	
1	Q02370045	1



237 DRB 3/8"

Spare square drive

- For 237 D 3/8" and 237 E 3/8"

gr	code	
19	Q02370053	1

237 DRB 1/2"

Spare square drive

- For 237 D 1/2" and 237 E 1/2"

gr	code	
44	Q02370054	1

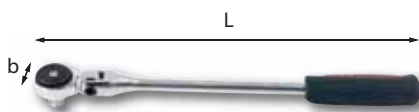


237 DRB 3/4"

Spare square drive

- For 237 D 3/4" and 237 E 3/4"

gr	code	
137	Q02370055	1



237 F 3/8"

UNI-ISO 3315 DIN 3122

Hinged reversible ratchet

- Model with 72 teeth and an angle of action of only 5° for working in restricted spaces
- Knob-turn reversal system
- Ergonomic bimaterial grip
- Special Chrome Vanadium steel body
- Chrome plated and phosphatised finish

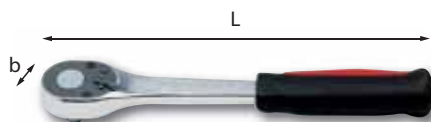
L mm	b mm	code	
265	30	02370064	1

237 F 1/2"

UNI-ISO 3315 DIN 3122

Hinged reversible ratchet

L mm	b mm	code	
272	37	02370066	1



237 1/4" SI

UNI-ISO 3315 DIN 3122

Reversible ratchet

- Model with 36 teeth
- Ergonomic bimaterial grip
- Special Chrome Vanadium steel body
- Chrome plated and phosphatised finish

L mm	b mm	code	
123	23	237903	1

237 3/8" SI

UNI-ISO 3315 DIN 3122

Reversible ratchet

- Model with 24 teeth
- Same features of 237 1/4" SI

L mm	b mm	code	
200	31	237004	1

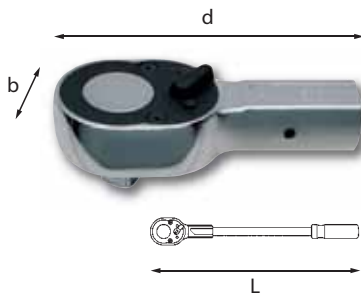
237 1/2" SI

UNI-ISO 3315 DIN 3122

Reversible ratchet

- Model with 32 teeth
- Same features of 237 1/4" SI

L mm	b mm	code	
260	43	237802	1



237 3/4" SI

UNI-ISO 3315 DIN 3122

Reversible ratchet

- Model with 30 teeth for use in combination with handle 237 3/4" PR
- Special Chrome Vanadium steel body
- Chrome plated and phosphatised finish

L mm	b mm	d mm	code	
530	70	165	237403	1

237 1" SI

UNI-ISO 3315 DIN 3122

Reversible ratchet

- For use in combination with handle 237 1" PR
- Same features of 237 3/4" SI

L mm	b mm	d mm	code	
650	72	205	237603	1



237 1/2" SP

UNI-ISO 3315 DIN 3122

Reversible ratchet

- Model with 32 teeth and socket retaining system with quick release button
- Ergonomic bimaterial grip
- Special Chrome Vanadium steel body
- Chrome plated and phosphatised finish

L mm	b mm	code	
260	43	237200	1



237 1/4" SIC

Spare parts kit

- For 237 1/4" SI

gr	code	
25	Q0237017	1



237 3/8" SIA

Spare parts kit

- For 237 3/8" SI-SP

gr	code	
34	237018	1

237 1/2" SIA

Spare parts kit

- For 237 1/2" SI-SP

gr	code	
83	237019	1

237 3/4" SIA

Spare parts kit


- For 237 3/4" SI

gr	code	
243	237020	1

237 1" SIA

Spare parts kit

- For 237 1" SI


á gr	code	
372	237021	1



237 3/4" PR

Handle

- For use in combination with ratchet 237 3/4" SI
- Plastic handgrip
- Special Chrome Vanadium steel
- Chrome plated finish

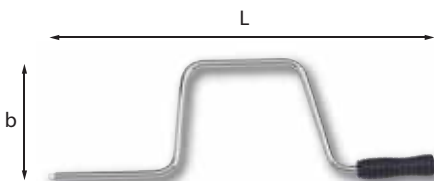
L mm	code	
450	237404	1

237 1" PR

Handle

- For use in combination with ratchet 237 1" SI; with the same features of 237 3/4" PR

L mm	code	
540	237604	1




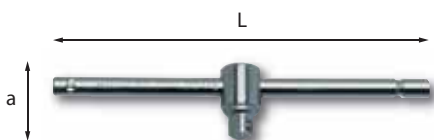
239 1/2" N

UNI-ISO 3315 DIN 3122

Speed brace with revolving handle

- Plastic handgrip
- Special Chrome Vanadium steel
- Chrome plated finish

L mm	b mm	code	
405	120	239004	2




240 1/4" N

UNI-ISO 3315 DIN 3122

T-handle with sliding square drive


- Special Chrome Vanadium steel
- Chrome plated finish

L mm	a mm	code	
115	22,5	240301	5

240 3/8" N

UNI-ISO 3315 DIN 3122

T-handle with sliding square drive

L mm	a mm	code	
200	35	240003	5

240 1/2" N

UNI-ISO 3315 DIN 3122


T-handle with sliding square drive

L mm	a mm	code	
280	45	240004	5

240 3/4" N

UNI-ISO 3315 DIN 3122

T-handle with sliding square drive

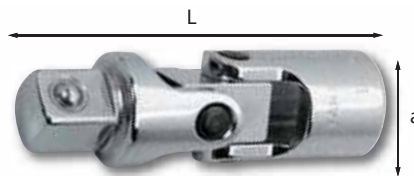
L mm	a mm	code	
425	62	240005	2

240 1" N

UNI-ISO 3315 DIN 3122

T-handle with sliding square drive

L mm	a mm	code	
500	80	240006	1



241 1/4" N

UNI-ISO 3316 DIN 3123

Universal joint


- Friction-spring to allow presetting of socket at the desired angle
- Special Chrome Vanadium steel
- Chrome plated finish

L mm	a mm	code	
40	14	241301	2

241 3/8" N

UNI-ISO 3316 DIN 3123

Universal joint

L mm	a mm	code	
55	18	241001	2

241 1/2" N

UNI-ISO 3316 DIN 3123


Universal joint

L mm	a mm	code	
68	24	241201	2

241 3/4" N

UNI-ISO 3316 DIN 3123

Universal joint


L mm	a mm	code	
105	39,5	241401	2



241 3/8" MN

Universal joint

- Special Chrome Molybdenum steel
- Phosphatised finish

L mm	a mm	code	
51	24	241403	1

241 1/2" MN

Universal joint

L mm	a mm	code	
60	32	241404	1

241 3/4" MN

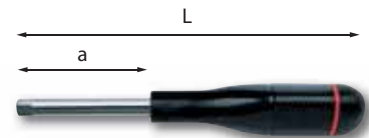
Universal joint

L mm	a mm	code	
90	44	241405	1

241 1" MN

Universal joint

L mm	a mm	code	
110	54	241406	1




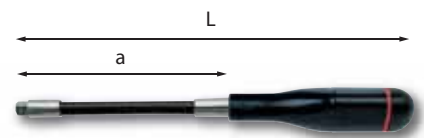
243 1/4" N

UNI-ISO 3315 DIN 3122

Spinner with Logic handle

- Polypropylene handle
- Chrome Vanadium steel blade
- Chrome plated finish

L mm	a mm	code	
170	55	243011	2

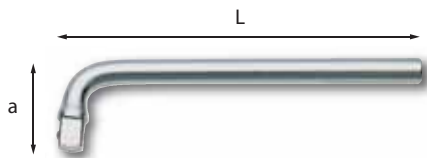


243 1/4" SN

Flexible spinner with Logic handle

- Maximum permissible torsion 10 Nm
- Polypropylene handle
- Chrome Vanadium steel blade
- Flexible shaft sheathed in plastic
- Square drive and blade Nickel plated finish

L mm	a mm	code	
270	150	243111	1



244 1/2" UNI-ISO 3315 DIN 3122

Offset handle

- Special Chrome Vanadium steel
- Chrome plated finish

L mm	a mm	code	
190	45	244001	5

244 3/4" UNI-ISO 3315 DIN 3122

Offset handle

L mm	a mm	code	
265	70	244401	2



245 1/2" N UNI-ISO 3315 DIN 3122

Socket drivers with hinged square drive

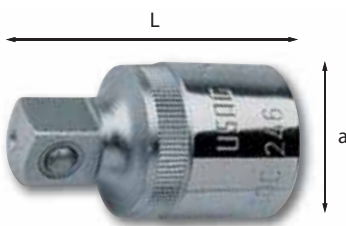
- Ergonomic bimaterial grip
- Special Chrome Vanadium steel
- Chrome plated finish

L mm	code	
380	245106	1
460	245107	1

245 3/4" UNI-ISO 3315 DIN 3122

Socket driver with hinged square drive

L mm	code	
510	245401	1



246 3/8" UNI-ISO 3316 DIN 3123

Adapter

- Maximum permissible torsion 62 Nm
- Special Chrome Molybdenum steel
- Chrome plated finish

"	"	L mm	a mm	code	
3/8	1/4	25	18	246001	5

246 1/2" UNI-ISO 3316 DIN 3123

Adapter

- Maximum permissible torsion 202 Nm

"	"	L mm	a mm	code	
1/2	3/8	37	22	246201	5



246 3/4" UNI-ISO 3316 DIN 3123

Adapter

- Maximum permissible torsion 512 Nm
- Model with interchangeable male square drive
- Special Chrome Vanadium steel
- Chrome plated finish

"	"	L mm	a mm	code	
3/4	1/2	58	37	246301	5

246 1" UNI-ISO 3316 DIN 3123

Adapter

- Maximum permissible torsion 1412 Nm

"	"	L mm	a mm	code	
1	3/4	74	42	246404	1



246 R3
Spare square drive

- For 246 3/4"

"	code	
1/2	Q246030	1



246 R4
Spare square drive

- For 246 1"

"	code	
3/4	Q246040	1



246 3/8" M

Adapter

- Maximum permissible torsion 62 Nm
- Special Chrome Molybdenum steel
- Phosphatised finish

"	"	L mm	a mm	code	
3/8	1/4	32	22	246002	1

246 1/2" M

Adapter

- Maximum permissible torsion 202 Nm

"	"	L mm	a mm	code	
1/2	3/8	38	25	246202	1

246 3/4" M

Adapter

- Maximum permissible torsion 512 Nm

"	"	L mm	a mm	code	
3/4	1/2	56	44	246402	1

246 1" M

Adapter

- Maximum permissible torsion 1412 Nm

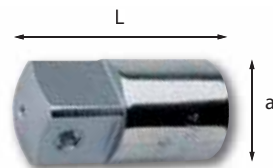
"	"	L mm	a mm	code	
1	3/4	75	54	246602	1

246 1 1/2" M

Adapter

- Maximum permissible torsion 2515 Nm

"	"	L mm	a mm	code	
1 1/2	1	100	86	246702	1



247 1/4"

UNI-ISO 3316 DIN 3123

Adapter

- Special Chrome Vanadium steel
- Chrome plated finish

"	"	L mm	a mm	code	
1/4	3/8	25	12	247004	5

247 3/8" UNI-ISO 3316 DIN 3123

Adapter

□ "	■ "	L mm	a mm	code	
3/8	1/2	35	18	247003	5

247 1/2" UNI-ISO 3316 DIN 3123

Adapter

□ "	■ "	L mm	a mm	code	
1/2	3/4	47	25	247001	5

247 3/4" UNI-ISO 3316 DIN 3123

Adapter

□ "	■ "	L mm	a mm	code	
3/4	1	67	36	247002	2



247 3/8" M

Adapter

- Special Chrome Molybdenum steel
- Phosphatised finish

□ "	■ "	L mm	a mm	code	
3/8	1/2	36	22	247007	1

247 1/2" M

Adapter

□ "	■ "	L mm	a mm	code	
1/2	3/4	48	30	247008	1

247 3/4" M

Adapter

□ "	■ "	L mm	a mm	code	
3/4	1	63	44	247010	1

247 1" M

Adapter

□ "	■ "	L mm	a mm	code	
1	1 1/2	90	54	247011	1



248 UNI 6733 DIN 3114

Single ended open jaw wrenches

- Head angled at 15°
- Chrome Vanadium steel
- Nickel Chrome plated finish

Ø mm	L mm	code	
4	90	248001	5
5	90	248002	5
5,5	90	248060	5
6	100	248003	5
7	100	248004	5
8	105	248005	5
9	105	248006	5
10	120	248007	5
11	120	248008	5
12	120	248009	5
13	145	248010	5
14	145	248011	5
15	145	248012	5
16	160	248013	5
17	160	248014	5
18	160	248015	5
19	175	248016	5
20	175	248017	5
21	175	248018	5
22	196	248019	5
23	196	248020	5
24	196	248021	5
25	216	248022	5
26	216	248023	5
27	216	248024	5
28	240	248025	5
30	240	248027	5
32	270	248028	5
34	270	248029	1
35	300	248030	1
36	300	248031	1
38	300	248032	1
40	340	248033	1
41	340	248034	1
42	340	248035	1
45	376	248036	1
46	376	248037	1
47	376	248059	1
48	420	248039	1
50	420	248041	1
52	450	248042	1
55	450	248043	1
60	495	248044	1
65	495	248045	1
70	570	248046	1
75	570	248047	1



249 UNI 6735 DIN 133

Single ended open jaw slugging wrenches

- For use with sledge hammers or pneumatic hammers
- Tightening or loosening operations in the heavy industry sector

Ø mm	a mm	L mm	code	
24	40	180	249024	1
27	56	180	249027	1
30	62	190	249030	1
32	70	200	249031	1
36	76	215	249032	1
41	86	235	249033	1
46	98	255	249034	1
50	105	275	249035	1
55	116	300	249036	1
60	128	320	249037	1
65	138	342	249038	1
70	154	375	249039	1
75	154	375	249040	1
80	174	408	249041	1
85	174	408	249042	1
90	194	445	249043	1
95	194	445	249044	1
100	215	485	249045	1
105	215	485	249046	1
110	235	510	249047	1
115	235	510	249048	1
120	255	545	249049	1
125	255	545	249050	1
130	275	575	249051	1



250 N UNI 6737 ISO 3318

Small double ended open jaw wrenches

- Same-size openings angled at 15° and 75°

Ø mm	L mm	code	
3,2	70	250103	5
4	70	250104	5
4,5	75	250105	5
5	75	250106	5
5,5	75	250107	5
6	80	250108	5
7	80	250110	5
8	90	250111	5
9	90	250112	5
10	100	250113	5
11	100	250114	5
12	120	250115	5
13	120	250116	5
14	120	250117	5



250 N/SE12

Set of twelve small double ended open jaw wrenches

- 250 N 3,2-4-4,5-5-5,5-6-7-8-10-12-13-14 mm
- Supplied in plastic wallet

gr	code	
300	250386	1



252 N/B8

Set of eight double ended open jaw wrenches

- 252 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm
- Supplied in plastic wallet

gr	code	
900	252865	1

252 N/B12

Set of twelve double ended open jaw wrenches

- 252 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x27-25x28-30x32 mm
- Supplied in plastic wallet

Kg	code	
2,4	252866	1

252 N/B13

Set of thirteen double ended open jaw wrenches

- 252 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied in plastic wallet

Kg	code	
3	252867	1

252 ASV8

Empty plastic display stand

gr	code	
60	Q02520001	1

252 ASV13

Empty plastic display stand

gr	code	
105	Q02520002	1



252 N/R13

Set of thirteen double ended open jaw wrenches

- 252 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied with metal holder

Kg	code	
2,9	252868	1

252 RV13

Empty holder for double ended open jaw wrenches

- Enamelled sheet steel

L mm	gr	code	
325	260	252502	1



252 N/S13

Set of thirteen double ended open jaw wrenches

- 252 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied with metal display stand

Kg	code	
3,6	252869	1



252 N

UNI 6736 ISO 10102 DIN 3110

Double ended open jaw wrenches

- Heads angled at 15°
- Chrome Vanadium steel
- Chrome plated finish

Ø mm	L mm	code	
4x5	114	252512	10
5,5x7	121	252513	10
6x7	121	252514	10
7x8	138	252516	10
8x9	138	252517	10
8x10	143	252518	10
10x11	153	252520	10
10x13	163	252522	10
12x13	168	252524	10
12x14	177	252525	10
13x14	182	252526	10
13x15	182	252527	10
13x17	192	252528	10
14x15	182	252529	10
14x17	192	252530	10
16x17	210	252531	10
17x19	220	252533	5
18x19	220	252535	5
19x22	242	252536	5
20x22	242	252538	5
21x23	242	252539	5
22x24	242	252540	5
24x26	270	252541	5
24x27	270	252542	5
25x28	282	252543	5
27x29	301	252544	5
27x30	301	252545	5
27x32	301	252546	5
30x32	318	252547	5
32x36	342	252549	1
34x36	342	252550	1
35x38	381	252551	1
36x41	381	252552	1
41x46	413	252553	1
46x50	442	252554	1
50x55	442	252555	1



252 N/SR8

Set of eight double ended open jaw wrenches

- 252 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm
- Supplied with plastic stand

Kg	code	
0,9	252862	1

252 N/SR13

Set of thirteen double ended open jaw wrenches


- 252 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied with plastic stand

Kg	code	
2,8	252864	1

255 N/SE12

Set of twelve bihexagonal ring wrenches

- 255 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-21x23-22x24-26x28-27x29-30x32 mm


à Kg	code	
1,5	255261	1



255 TX

Straight double ended TORX® wrenches


- Heads with patented high resistance profile
- Torx profile rotated 15° with respect to the axis of the wrench, to allow a grip at an angle of only 30° by reversing the wrench

n°	L mm	code	
E6xE8	115	255303	1
E10xE12	150	255304	1
E14xE18	190	255305	1
E20xE24	240	255306	1

255 TX/S4

Set of four double ended TORX® wrenches

- 255 TX E6xE8-E10xE12-E14xE18-E20xE24


à gr	code	
300	255300	1



256 AN

Wrenches with retainer for connectors

- Straight heads hexagonal profile
- Retainer to give improved grip on the nut during operations


Ø mm	L mm	code	
8x10	125	256061	2
10x11	127	256062	2
11x13	143	256063	2
12x14	145	256064	2
17x19	164	256065	2



256 AN/S5

Set of five wrenches for connectors

- 256 AN 8x10-10x11-11x13-12x14-17x19 mm
- Supplied in nylon wallet

à gr	code	
400	256151	1




256 N

DIN 3118

Wrenches for connectors


- Heads bent at 15° and angled laterally to 15°
- Hexagonal profile up to size 12x14 mm and bihexagonal profile for larger sizes

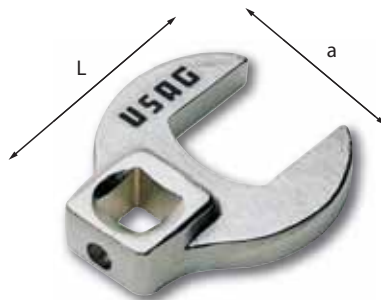
Ø mm	L mm	code	
8x10	140	256041	2
10x11	153	256042	2
11x13	174	256043	2
12x14	174	256044	2
17x19	203	256045	2
19x22	228	256046	2
22x24	243	256047	2
24x27	257	256048	2
30x32	296	256049	2
36x41	316	256050	1

256 N/SE7

Set of seven wrenches for connectors

- 256 N 8x10-10x11-11x13-12x14-17x19-19x22-24x27 mm


à Kg	code	
1	256150	1



257 3/8"

Crow-foot wrenches


- For working on locknuts, threaded plugs, bulbs, sensors, and other mechanical items that are difficult to reach
- Special Chrome Vanadium steel
- Chrome plated finish

Ø mm	L mm	a mm	code	
8	34	25	257001	1
9	34	25	257002	1
10	34	25	257003	1
11	34	25	257004	1
12	37	30	257005	1
13	37	30	257006	1
14	37	30	257007	1
15	43	38	257008	1
16	43	38	257009	1
17	43	38	257010	1
19	45	41	257012	1
20	45	41	257013	1
21	45	41	257014	1
22	50	46	257015	1
24	53	50	257017	1

257 3/8" SE15

Set of fifteen crow-foot wrenches

- (257 3/8"/8÷24 mm)

à gr	code	
700	257081	1




258 N

ISO 3318

Special double ended bihexagonal ring wrenches


- For use on nuts in inaccessible places: starter motors, manifolds and other engine parts

Ø mm	d mm	L mm	code	
10x12	54,1	143	258300	5
11x13	66,6	165	258301	5
14x17	79,2	190	258302	5
15x17	81,3	220	258303	5
16x18	81,3	220	258304	5
19x22	94,3	253	258305	5

258 N/SE5

Set of five bihexagonal ring wrenches

- 258 N 10x12-11x13-15x17-16x18-19x22 mm


à gr	code	
900	258350	1



260

Ratchet wrenches for connectors

- For rapid tightening without removing the wrench from the nut


Ø mm	L mm	code	
8	138	260008	1
10	138	260010	1
11	138	260011	1
12	138	260012	1
13	138	260013	1
14	184	260014	1
16	184	260016	1
17	184	260017	1
19	184	260019	1
21	236	260021	1
22	236	260022	1
24	236	260024	1



260 SE12

Set of twelve wrenches for connectors

- 260 8-10-11-12-13-14-16-17-19-21-22-24 mm
- Supplied in nylon wallet

à Kg	code	
1,8	260184	1



263/S6

Set of oil plug wrenches (6 pcs)

- Supplied in sheet steel box 185x40x30 mm

pcs	description	item/size
1	Square drive socket	263
1	Double ended square drive wrench for oil plugs 263 A/ 8x10mm	
1	Double ended square drive wrench for oil plugs 263 A/ 10x11mm	
1	Double ended square drive wrench for oil plugs 263 A/ 12x13mm	
1	Double ended square drive wrench for oil plugs 263 A/ 14x17mm	
1	Double ended square drive wrench for oil plugs 263 A/ 5/16x3/8"	

gr	code	
525	263001	1



1/2

263

Drive socket

- Model with retaining spring to grip the double-ended square drive wrench

"	L mm	code	
1/2	40	263011	1



263 A

Double ended square drive wrenches for oil plugs

- For use in combination with drive socket 263

n°	makes	L mm	code	
8x10	CITROEN- HONDA- PEUGEOT- RENAULT	32	263021	1
5/16x3/8	FORD	32	263031	1
10x11	FIAT-LANCIA- FORD	32	263041	1
12x13	VW-AUDI- BMW- MERCEDES	32	263042	1
14x17	OPEL	32	263043	1



3/8

263 F

Drain plug socket with female square

- 3/8" square drive

mm	L mm	code	
10	29,5	02631102	1



3/8

263 Q

Drain plug socket with male square

- 3/8" square drive

mm	L mm	code	
8	29,5	02631114	1
10,5	29,5	02631116	1



3/8

263 XZN

Drain plug socket with XZN male

- 3/8" square drive
- AUDI gearbox

attacco profilo XZN	L mm	code	
M16	55	02631145	1

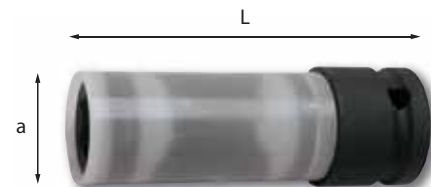


264/1

Drain plug wrench

- CITROEN, RENAULT, PEUGEOT

mm	L mm	code	
8x10	230	264011	1



1/2

270 C

Sockets for tyre rims with nylon protection

- For tyre rims

mm	a mm	L mm	code	
17	27	85	02700017	1
19	29	85	02700019	1
21	31	85	02700021	1



1/2

270 C/S3

Set of sockets for tyre rims (3 pieces)

- 3 sockets 270 C (17-19-21 mm) in plastic case 175x130x50 mm

gr	code	
852	02700100	1



271

T-handle wrenches for wheel nuts (industrial vehicles)

- Removable sliding T-handle

O mm	a mm	L mm	code	
27x30	40x44	435	271001	1
27x32	40x47	435	271002	1

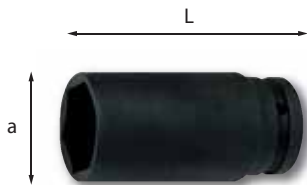


271 M

Hub-nut socket

- 3/4" square drive

O mm	a mm	L mm	code	
36	46	36	02712005	1



271 ML

Impact sockets for hub-nuts

- FIAT - LANCIA - ALFA ROMEO
- 3/4" square drive

Ø mm	a mm	L mm	code	img
36	46,8	100	02712006	1



272

Cross-type wheel nut wrenches (cars and light industrial vehicles)

- 1/2" interchangeable square male

n°	Ø mm	a mm	code	img
3	17x19x22x1/2"	25x28x32	272000	1
5	17x19x21x1/2"	25x28x30	272103	1

272 CA

Cross-type wheel nut wrenches (industrial vehicles)

- 3/4" interchangeable square male

n°	Ø mm	a mm	code	img
1	24x27x30x3/2"	35x39x42x45	272202	1
3	24x27x32x3/4"	36x39x46	272201	1



272 Q 1/2"

Spare square male

- For 272/3 and 272/5

gr	code	img
40	Q272202	1

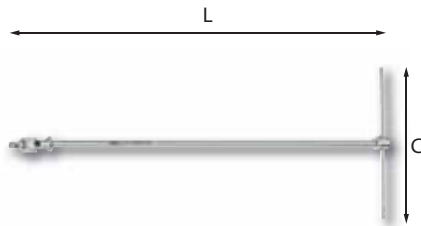


272 Q 3/4"

Spare square male

- For 272 CA 3

gr	code	img
50	Q272302	1



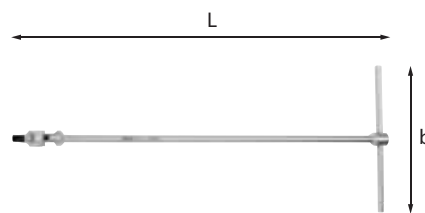
273 C

UNI 6754

T-handle keys with jointed hexagonal socket bit

- Universal joint model with friction-spring to allow presetting of the socket bit at the desired angle
- Removable sliding bar
- Special Silicon Chrome Vanadium steel
- Chrome plated finish

Ø mm	c mm	L mm	code	img
3	165	393	273303	2
4	165	393	273304	2
5	165	393	273305	2
6	175	430	273306	2
8	175	430	273308	2
10	175	432	273310	2



273 CTX

T-handle keys with jointed socket bit for TORX® screws

- Universal joint model with friction-spring to allow presetting of the socket bit at the desired angle
- Removable sliding bar
- Special Silicon Chrome Vanadium steel
- Chrome plated finish with burnished tip

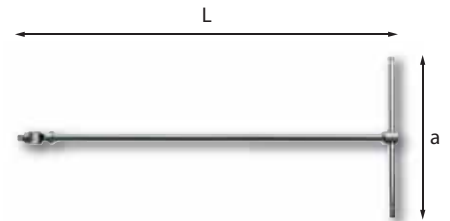
n°	b mm	L mm	code	img
T20	165	403	273053	2
T25	165	403	273054	2
T27	165	403	273055	2
T30	175	436	273056	2
T40	175	436	273057	2
T45	175	436	273058	2
T50	175	468	273059	2
T55	180	500	273060	2

273 CTX/SE8

Set of eight TORX® keys

- (273 CTX/T20÷T55)

Kg	code	img
2,3	273065	1



273 1/4" Q

T-handle with jointed square drive

- Universal joint model with friction-spring to allow presetting of socket at the desired angle
- Removable sliding bar
- Special Chrome Vanadium steel
- Chrome plated finish

L mm	a mm	code	img
390	165	273201	2

273 3/8" Q

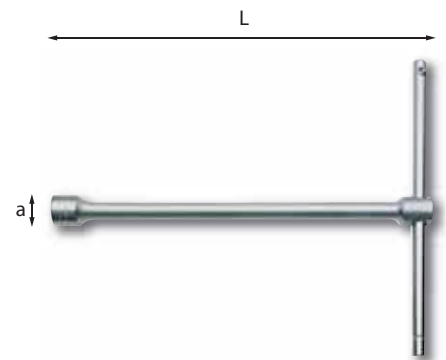
T-handle with jointed square drive

L mm	a mm	code	img
460	175	273202	2

273 1/2" Q

T-handle with jointed square drive

L mm	a mm	code	img
500	180	273203	2

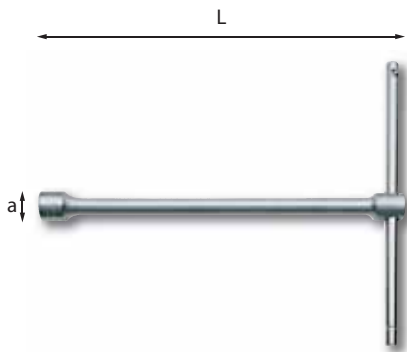


274

T-handle wrenches with square opening

- Removable sliding bar

Ø mm	a mm	L mm	code	img
5	9,8	215	274001	1
6	11,3	215	274002	1
8	15	260	274005	1
9	16,5	260	274006	1
10	17,5	260	274007	1
11	19,2	260	274008	1
13	23	285	274010	1
14	24	285	274011	1
15	25,2	285	274012	1
16	27,7	310	274013	1
17	29	310	274014	1



275
T-handle wrenches with hexagonal opening

- Removable sliding bar

Ø mm	a mm	L mm	code	
6	9,8	215	275001	5
7	11,3	215	275002	5
8	12,5	235	275003	5
9	13,7	235	275004	5
10	15	260	275005	5
11	16,5	260	275006	5
12	17,5	260	275007	5
13	19,2	260	275008	5
14	20,5	260	275009	5
15	21,7	285	275010	5
16	23	285	275011	5
17	24	285	275012	5
18	25,2	285	275013	5
19	26,5	310	275014	5
20	27,7	310	275015	2
21	29	310	275016	2
22	30,2	310	275017	2
24	33	315	275019	1
27	37	315	275022	1
30	40,5	320	275025	1
32	43,5	320	275026	1

275 SE5
Set of five T-handle wrenches with hexagonal opening

- 275 8-10-13-17-19 mm

kg	code	
2	275180	1

275 SE17
Set of seventeen T-handle wrenches with hexagonal opening

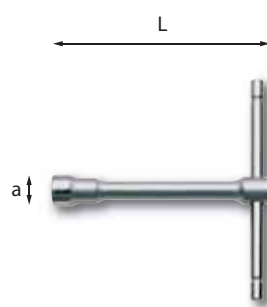
- 275 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm

kg	code	
7,1	275181	1

275 SE21
Set of twenty-one T-handle wrenches with hexagonal opening

- 275 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm

kg	code	
12,9	275190	1



275 CO
Short T-handle wrenches with hexagonal opening

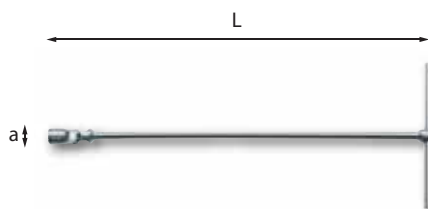
- Deep hexagonal opening for working on projecting screws
 - Removable sliding bar

Ø mm	a mm	L mm	code	
4	7,2	80	275101	2
5	8,5	85	275102	2
5,5	9,2	90	275103	2
6	10	95	275104	2
7	11,5	100	275105	2
8	12,5	105	275106	2
9	13,7	110	275107	2
10	15	115	275108	2
11	16,2	121	275109	2
12	17,5	128	275110	2
13	19	135	275111	2
14	20,2	142	275112	2

275 CO/SE12
Set of twelve T-handle wrenches with hexagonal opening

- 275 CO 4-5-5,5-6-7-8-9-10-11-12-13-14 mm

kg	code	
1,5	275183	1



276 CE
T-handle wrenches with jointed hexagonal socket

- Universal joint model with friction-spring to allow presetting of the socket at the desired angle
 - Removable sliding bar

Ø mm	a mm	L mm	code	
6	9,5	398	276400	5
7	10,7	398	276401	5
8	12	398	276402	5
9	13,2	398	276403	5
10	14,6	431	276404	5
11	15,8	431	276405	5
12	17	434	276406	5
13	18,7	466	276407	5
14	20,7	466	276408	5
15	20,9	497	276409	5
16	22,2	499	276410	5
17	23,4	499	276411	5
18	24,7	501	276412	5
19	26	523	276413	5
20	27,3	526	276414	5
21	28,5	526	276415	5
22	29,7	526	276416	5
24	32,5	531	276417	5



276 CE/SE8
Set of eight T-handle wrenches with jointed hexagonal socket

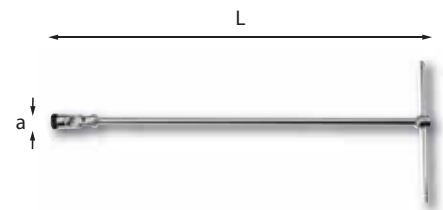
- 276 CE 7-8-10-12-13-14-17-19 mm

kg	code	
3,5	276484	1

276 CE/SE18
Set of eighteen T-handle wrenches with jointed hexagonal socket

- 276 CE 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24 mm

kg	code	
9,5	276481	1



276 CEB
T-handle wrenches with jointed hexagonal socket and Block® system

- Universal joint model with friction-spring to allow presetting of the socket at the desired angle
 - Removable sliding bar

Ø mm	a mm	L mm	code	
8	12	398	276471	5
10	14,6	431	276472	5
13	18,7	466	276473	5
17	23,4	499	276474	5
19	26	523	276475	5

276 CEB/SE5
Set of five T-handle wrenches with jointed hexagonal socket

- 276 CEB 8-10-13-17-19 mm

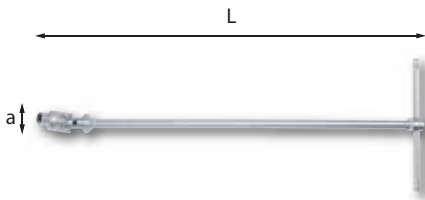
kg	code	
2,5	276490	1



276 CEBM
Spare springs

- For 276 CEB

Ø mm	code	
8	Q276471	1
10	Q276472	1
13	Q276473	1
17	Q276474	1
19	Q276475	1



276 CTX

T-handle wrenches with jointed TORX® socket

- Universal joint model with friction-spring to allow presetting of the socket at the desired angle
- Removable sliding bar

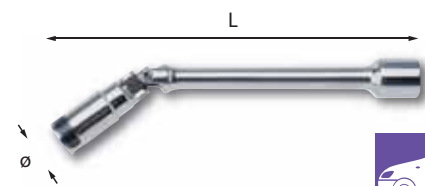
★ mm	a mm	L mm	code	
E6	8	399	276021	2
E7	8,5	399	276022	2
E8	10	399	276023	2
E10	13	432	276024	2
E12	15	432	276025	2
E14	17	499	276026	2
E16	19	499	276027	2
E18	20,5	499	276028	2
E20	23,5	523	276029	2

276 CTX/SE9

Set of nine T-handle wrenches with jointed TORX® socket

- 276 CTX E6-E7-E8-E10-E12-E14-E16-E18-E20

kg	code	
3,9	276030	1

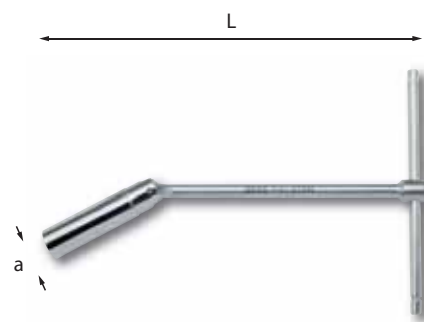


278 D

Glowplug wrenches with jointed socket

- Block® system for retaining the glowplug
- Hexagonal opening
- 3/8" square drive

Ø mm	a mm	L mm	code	
8L	14,5	178	278017	1
9L	14,5	161	278016	1
10L	14,5	178	278019	1
12L	17	178	278021	1

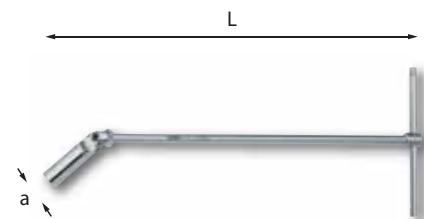


278 N

T-handle spark plug wrenches with jointed socket

- Hexagonal opening
- Rubber gasket for retaining the spark plug
- Removable sliding bar

Ø mm	a mm	L mm	code	
16	22	270	278011	5
18	25	270	278013	5
19	25	270	278014	5
20,8	26	270	278015	5



278 NL

Long T-handle spark plug wrenches with jointed socket

- Hexagonal opening
- Rubber gasket for retaining the spark plug
- Removable sliding bar

Ø mm	a mm	L mm	code	
16	22	517	278031	5
20,8	27,5	564	278035	5

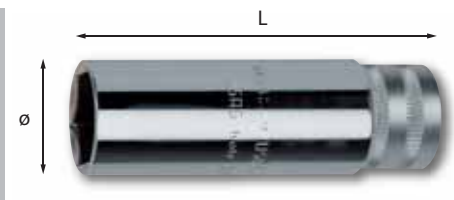


278 A

Spare gasket

- For 278 N - 278 NL - 279 3/8" - 279 N

Ø mm	code	
14-16	Q278001	10
18	Q278002	10
19	Q278003	10
20,8	Q278004	10

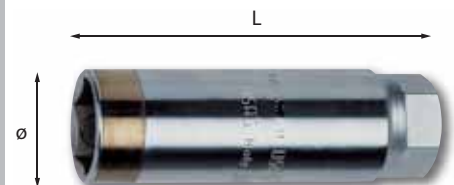


279 3/8"

Spark plug sockets

- Bihexagonal opening for size 14 and hexagonal for size 16
- Rubber gasket for retaining the spark plug
- 3/8" square drive

Ø mm	a mm	L mm	code	
14	19	90	02791011	1
14L	19	250	02791012	1
16	21,5	90	02791013	1
16L	21,5	250	02791014	1



279 3/8" MG

Magnetic sockets for spark plugs

- Hexagonal opening
- Magnetic system for retaining the spark plug
- 3/8" square drive

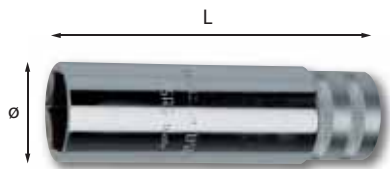
Ø mm	a mm	L mm	code	
16	22	84	02791113	1
18	25	84	02791116	1
20,8	27,5	84	02791121	1

279 3/8" MG/S3

Set of three spark plug sockets

- (279 3/8" MG 16-18-20,8)

kg	code	
250	02791512	1



279 N 1/2"

Spark plug sockets

- Hexagonal opening
- Rubber gasket for retaining the spark plug
- 1/2" square drive



ISO 11168

ø mm	a mm	L mm	code	
16	22	90	02792013	1
16L	21,5	250	02792014	1
18	25	90	02792016	1
20,8	28	90	02792021	1



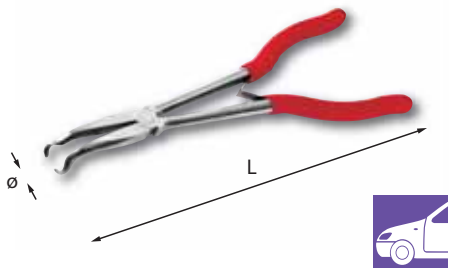
279 DN 3/8"

Glowplug sockets

- Block system for retaining the glowplug
- Hexagonal opening
- 3/8" square drive and 17 mm hexagonal drive



ø mm	a mm	L mm	code	
10	14,5	70	02791207	1
12	17,5	70	02791209	1

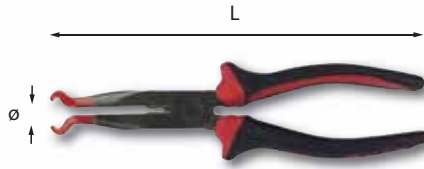


279 P

Pliers for spark plug caps

- For disconnecting deep-seated caps of spark plugs
- No damage to leads

ø mm	L mm	code	
9	285	02796006	1

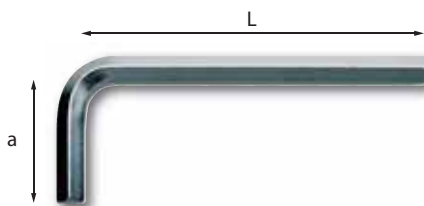


279 PC

Pliers for spark plug caps

- For disconnecting caps of spark plugs
- No damage to leads

ø mm	L mm	code	
11	198	02796004	1



280

UNI DIN ISO 2936

Angled hexagon keys

- For Allen screws
- Special Chrome Vanadium steel
- Zinc Chrome plated finish

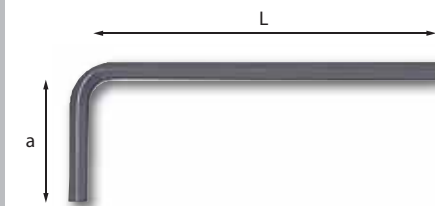
ø mm	a mm	L mm	code	
1,5	14	45	280000	20
2	16	50	280001	20
2,5	18	56	280002	20
3	20	63	280003	20
3,5	22	66	280004	20
4	25	70	280005	20
4,5	26	75	280006	20
5	28	80	280007	20
6	32	90	280008	20
7	34	95	280009	10
8	36	100	280010	10
9	38	105	280011	10
10	40	112	280012	10
11	42	118	280024	10
12	45	125	280013	10
13	50	132	280023	1
14	56	140	280014	1
17	63	160	280015	1
19	70	180	280016	1
22	80	200	280017	1
24	90	224	280018	1
27	100	250	280019	1
30	112	280	280020	1
32	125	315	280021	1
36	140	355	280022	1

280 P

Angled hexagon keys inch-sizes

- For Allen screws
- Special Chrome Vanadium steel
- Zinc Chrome plated finish

ø"	a mm	L mm	code	
1/20	13	41	280101	20
1/16	14	45	280102	20
5/64	16	50	280103	20
3/32	18	56	280104	20
1/8	20	63	280105	20
5/32	25	70	280106	20
3/16	28	80	280107	20
7/32	30	85	280108	20
1/4	32	90	280109	20
5/16	36	100	280110	5
3/8	38	105	280111	5
7/16	42	118	280112	5
1/2	50	132	280113	5



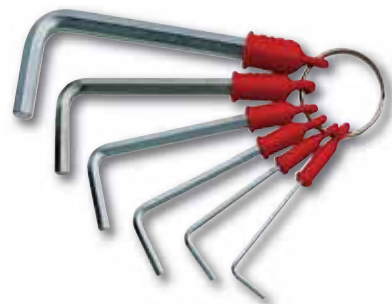
280 N

UNI DIN ISO 2936

Angled hexagon keys

- For Allen screws
- Special Chrome Vanadium steel
- Burnished finish

ø mm	a mm	L mm	code	
1,5	14	45	280701	20
2	16	50	280702	20
2,5	18	56	280703	20
3	20	63	280704	20
3,5	22	66	280705	20
4	25	70	280706	20
4,5	26	75	280707	20
5	28	80	280708	20
6	32	90	280709	10
7	34	95	280710	10
8	36	100	280711	10
9	38	105	280712	10
10	40	112	280713	10
11	42	118	280714	10
12	45	125	280715	10



280 S6

Set of six angled hexagon keys on ring

- (280/2,5-3-4-5-6-8 mm)
- Zinc Chrome plated finish

ø gr	code	
130	280282	1



280 S7

Set of seven angled hexagon keys

- (280/2-2,5-3-4-4,5-5-6 mm)
- Supplied in plastic holder
- Zinc Chrome plated finish

gr	code	
95	280280	1



280 S9

Set of nine angled hexagon keys

- (280/1,5-2-2,5-3-4-5-6-8-10 mm)
- Supplied in plastic holder
- Zinc Chrome plated finish

gr	code	
250	280287	1

280 N/S9

Set of nine angled hexagon keys

- (280 N/1,5-2-2,5-3-4-5-6-8-10 mm)
- Supplied in plastic holder
- Burnished finish

gr	code	
250	280731	1

280 SV9

Empty plastic holder

gr	code	
27	280058	1



280 SE8

Set of eight angled hexagon keys

- (280/1,5-2-2,5-3-3,5-4-5-6 mm)
- Supplied in plastic wallet
- Zinc Chrome plated finish

gr	code	
95	280283	1

280 SE12

Set of twelve angled hexagon keys

- (280/2÷10 mm)
- Supplied in plastic wallet
- Zinc Chrome plated finish

gr	code	
400	280284	1

280 N/SE12

Set of twelve angled hexagon keys

- (280 N/2÷10 mm)
- Supplied in plastic wallet
- Burnished finish

gr	code	
400	280733	1

280 P/SE8

Set of eight angled hexagon keys

- (280 P/1/16÷1/4")
- Supplied in plastic wallet
- Zinc Chrome plated finish

gr	code	
95	280383	1

280 P/SE12

Set of twelve angled hexagon keys

- (280 P/1/20÷7/16")
- Supplied in plastic wallet
- Zinc Chrome plated finish

gr	code	
400	280285	1



280 S12

Set of twelve angled hexagon keys

- (280/2÷10 mm)
- Supplied in plastic holder
- Zinc Chrome plated finish

gr	code	
440	280281	1

280 N/S12

Set of twelve angled hexagon keys

- (280 N/2÷10 mm)
- Supplied in plastic holder
- Burnished finish

gr	code	
440	280734	1

280 P/S12

Set of twelve angled hexagon keys

- (280 P/1/20÷7/16")
- Supplied in plastic holder
- Zinc Chrome plated finish

gr	code	
440	280381	1

280 SV12

Empty plastic holder

- For 280-280 N

gr	code	
70	280202	1

280 P/SV12

Empty plastic holder

- For 280 P

gr	code	
70	280203	1



280 MP/S24

Set of twenty-four angled hexagon keys

- (280/2÷10 mm 280 P/1/20÷7/16")
- Supplied in plastic wallet
- Zinc Chrome plated finish

ã gr	code	
880	280481	1

280 MP/SV24

Empty plastic wallet

ã gr	code	
97	280204	1



280 S5

Set of five hexagon keys

- (4-5-6-8-10 mm)
- Supplied with pocket holder in steel covered with shock resistant plastic
- Burnished finish

ã gr	code	
285	280190	1

280 S8

Set of eight hexagon keys

- (1,5-2-2,5-3-4-5-6-8 mm)
- Same features of 280 S5

ã gr	code	
220	280192	1

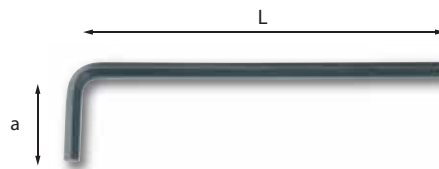


280 P/7

Set of seven hexagon keys

- (3/32-1/8-5/32-3/16-7/32-1/4-3/8")
- Same features of 280 S5

ã gr	code	
265	280193	1



280 L

Long angled hexagon keys

- For Allen screws
- Special Chrome Vanadium steel
- Burnished finish

• mm	a mm	L mm	code	
1,5	13	88	280039	20
2	15	98	280040	20
2,5	17	112	280041	20
3	20	122	280042	20
3,5	22	131	280043	20
4	25	141	280044	20
4,5	26	150	280045	20
5	28	160	280046	20
6	32	174	280047	20
7	34	185	280048	10
8	36	197	280049	10
9	38	210	280050	10
10	40	224	280051	10
12	45	238	280052	10



280 L/S9

Set of nine angled hexagon keys

- (280 L/1,5-2-2,5-3-4-5-6-8-10 mm)
- Supplied in plastic holder
- Burnished finish

ã gr	code	
405	280057	1

280 L/SV9

Empty plastic holder

ã gr	code	
30	280058	1



280 L/S12

Set of twelve angled hexagon keys

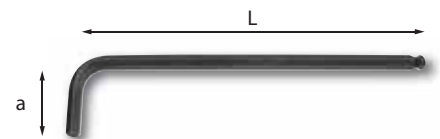
- (280 L/2÷10 mm)
- Supplied in plastic holder
- Burnished finish

ã gr	code	
720	280286	1

280 L/SV12

Empty plastic holder

ã gr	code	
84	280210	1



280 LTS

Long angled hexagon keys with spherical head


- For Allen screws
- Model giving a working angle of up to 25° with respect to the axis of the screw
- Special Chrome Vanadium steel
- Burnished finish

• mm	a mm	L mm	code	
1,5	14	62	280059	10
2	16	75	280060	10
2,5	18	85	280061	10
3	20	90	280062	10
4	25	100	280064	10
5	28	115	280066	10
6	32	135	280067	10
8	36	150	280069	10
10	40	170	280071	10

280 LTSP

Long angled hexagon keys with spherical head - inch-sizes

- For Allen screws
- Model giving a working angle of up to 25° with respect to the axis of the screw
- Special Chrome Vanadium steel
- Burnished finish

"	a mm	L mm	code	
1/16	14	62,5	280091	5
5/64	13,5	75	280092	5
3/32	17,5	84,5	280093	5
1/8	20	90	280094	5
5/32	25	100	280095	5
3/16	27	117	280096	5
7/32	30,5	135,5	280097	5
1/4	33	141,5	280098	5
5/16	36	150	280099	5
3/8	37,5	170,5	280100	5



280 LTS/S9

Set of nine long angled hexagon keys with spherical head


- (280 LTS/1,5÷10 mm)
- Supplied in plastic holder
- Burnished finish

n° gr	code	
350	280084	1

280 LTSP/S9

Set of nine long angled hexagon keys with spherical head - inch sizes

- (280 LTSP/1/16-5/64-3/32-1/8-5/32-3/16-7/32-1/4-3/8")
- Supplied in plastic holder
- Burnished finish

n° gr	code	
320	280089	1

280 LTS/SV9

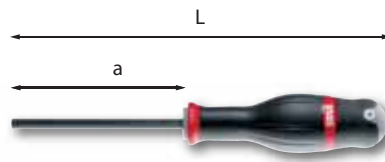
Empty plastic holder

n° gr	code	
30	280058	1

280 LTSP/SV9

Empty plastic holder

n° gr	code	
30	280088	1




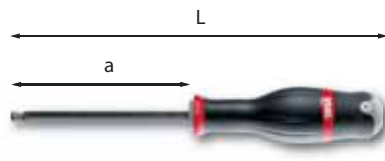
280 D

UNI 10753

Screwdrivers for Allen screws with handgrip

- Ergonomic three-material grip
- Chrome Vanadium steel blade
- Burnished finish


mm	a mm	L mm	code	
1,5	75	169	02800221	5
2	75	169	02800222	5
2,5	75	169	02800223	5
3	75	169	02800224	5
4	100	178	02800226	5
5	100	209	02800228	5
6	100	220	02800230	5

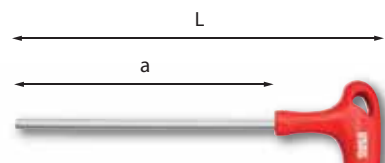


280 TS

Screwdrivers with spherical head and handgrip

- For Allen screws
- Model with spherical head giving a working angle of up to 25° with respect to the axis of the screw
- Ergonomic three-material grip
- Special Chrome Vanadium steel blade
- Burnished finish


mm	a mm	L mm	code	
2	75	220	02800259	5
2,5	75	169	02800260	5
3	75	169	02800261	5
4	75	169	02800263	5
5	100	178	02800265	5
6	100	209	02800267	5



280 H

Angled hexagon keys with handgrip


- For Allen screws
- Ergonomic grip
- Special Chrome Vanadium steel blade
- Chrome plated finish

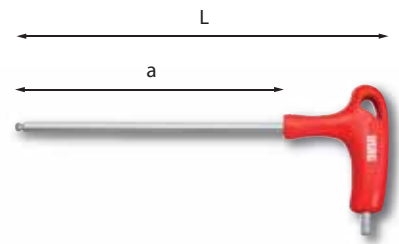
mm	a mm	L mm	code	
2	90	133	02800302	5
2,5	90	133	02800303	5
3	90	133	02800304	5
3,5	90	133	02800305	5
4	130	183	02800306	5
4,5	130	183	02800307	5
5	130	183	02800308	5
6	175	240	02800310	5
7	175	240	02800311	5
8	175	240	02800312	5
10	175	240	02800314	5

280 H/SE11

Set of eleven hexagon keys with handgrip

- (280 H/2÷10)


n° gr	code	
805	02800317	1



280 HTS

Angled hexagon keys with spherical head and handgrip


- For Allen screws
- Model giving a working angle of up to 25° with respect to the axis of the screw
- Same features of 280 H

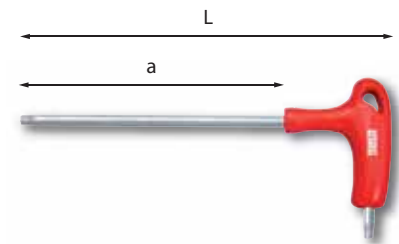
mm	a mm	L mm	code	
2,5	90	133	02800321	5
3	90	133	02800322	5
4	130	183	02800324	5
5	130	183	02800326	5
6	175	240	02800327	5
8	175	240	02800329	5
10	175	240	02800331	5

280 HTS/SE7

Set of seven angled hexagon keys with spherical head and handgrip

- (280 HTS/2,5÷10 mm)


n° gr	code	
670	02800337	1



280 HTX

Angled keys with handgrip for TORX® screws

- Ergonomic grip
- Special Chrome Molybdenum steel blade
- Chrome plated finish

n°	a mm	L mm	code	
T6	90	133	02800341	2
T7	90	133	02800342	2
T8	90	133	02800343	2
T9	90	133	02800344	2
T10	90	133	02800345	2
T15	90	133	02800346	2
T20	130	183	02800347	2
T25	130	183	02800348	2
T27	130	183	02800349	2
T30	175	240	02800350	2
T40	175	240	02800351	2
T45	175	240	02800352	2
T50	175	240	02800353	2

280 HTX/SE11

Set of eleven angled keys with handgrip for TORX® screws

- (280 HTX/T6÷T40)

kg	code	
544	02800357	1

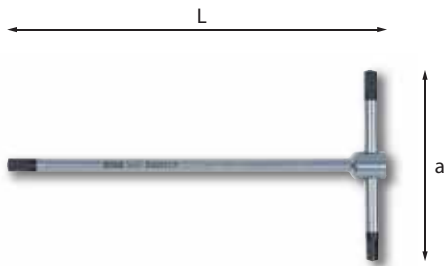


280 T/S8

Set of eight T-handle hexagon keys

- (280 T/2-2,5-3-4-5-6-8-10 mm)
- Supplied in sheet steel stand

kg	code	
1,8	280213	1



280 T/SV8

Empty metal display stand

kg	code	
700	Q280213	1

280 T

T-handle hexagon keys

- For Allen screws
- Special Silicon Chrome Vanadium steel
- Chrome plated finish with burnished tips up to size 8 mm to ensure precise measurement and perfect fit with the screw

mm	a mm	L mm	code	
2	62	125	280130	5
2,5	62	125	280131	5
3	75	150	280132	5
3,5	75	150	280133	5
4	90	180	280134	5
4,5	90	180	280135	5
5	105	210	280136	5
6	105	210	280137	5
7	105	210	280138	5
8	125	250	280139	5
9	140	280	280140	5
10	150	300	280141	5
12	160	320	280142	5
14	170	340	280143	5

280 T/SE8

Set of eight T-handle hexagon keys

- (280 T/2-2,5-3-4-5-6-8-10 mm)

kg	code	
1	280186	1

280 T/SE14

Set of fourteen T-handle hexagon keys

- (280 T/2÷14 mm)

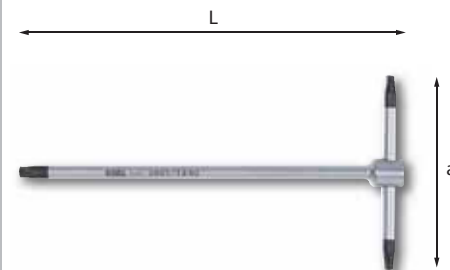
kg	code	
3	280181	1

280 TTX

T-handle keys for TORX® screws

- Special Silicon Chrome Vanadium steel
- Chrome plated finish with burnished tips

n°	a mm	L mm	code	
T6	62	125	280650	2
T7	62	125	280651	2
T8	62	125	280652	2
T9	62	125	280653	2
T10	75	150	280654	2
T15	75	150	280655	2
T20	75	150	280656	2
T25	90	180	280657	2
T27	90	180	280658	2
T30	90	180	280659	2
T40	105	210	280660	2
T45	105	210	280661	2
T50	125	250	280662	2
T55	150	300	280663	2
T60	150	320	280664	2



280 TTX/SE8

Set of eight T-handle keys for TORX® screws

- (280 TTX/T6÷T25)

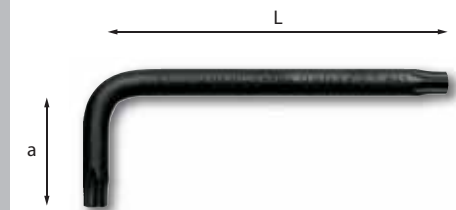
kg	code	
230	280686	1

280 TTX/SE7

Set of seven T-handle keys for TORX® screws

- (280 TTX/T27÷T60)

kg	code	
1,7	280687	1



280 TX

Angled keys for TORX® screws

- Special Chrome Vanadium steel
- Burnished finish

n°	a mm	L mm	code	
T6	16	42	280560	5
T7	16	48	280561	5
T8	16	48	280562	5
T9	16	48	280563	5
T10	17	51	280564	5
T15	18	54	280565	5
T20	20	57	280566	5
T25	20	60	280567	5
T27	21	63	280568	5
T30	24	70	280569	5
T40	26	76	280570	5
T45	28	82	280571	5
T50	31	94	280572	5
T55	35	108	280573	5
T60	38	120	280574	5

280 TX/SE8

Set of eight keys for TORX® screws

- (280 TX/T6÷T25)

kg	code	
40	280583	1

280 TX/SE7

Set of seven keys for TORX® screws

- (280 TX/T27÷T60)

kg	code	
475	280584	1



280 TX/S6

Set of six keys for TORX® screws

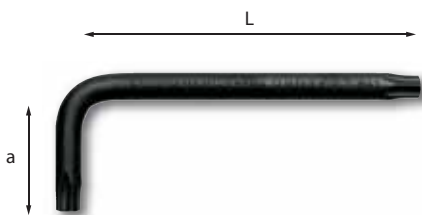
- (280 TX/T15÷T40)
- Supplied in plastic holder

à gr	code	
120	280575	1

280 TX/SV6

Empty plastic holder

à gr	code	
13	280037	1



280 STX

Angled keys for TORX® Tamper Resistant screws

- Special Chrome Vanadium steel
- Burnished finish

n°	a mm	L mm	code	
T10	17	51	02800410	5
T15	18	54	02800411	5
T20	20	57	02800412	5
T25	20	60	02800413	5
T27	22	64	02800414	5
T30	24	70	02800415	5
T40	26	76	02800416	5



280 STX/S6

Set of six keys for TORX® Tamper Resistant screws

- (280 STX/T15÷T40)
- Supplied with plastic holder

à gr	code	
120	02800420	1



280 LTSTX

Long angled keys with spherical head for TORX® screws

- Model with spherical head giving a working angle of up to 25° with respect to the axis of the screw (excepting the 9 and 10 mm sizes)
- Special Molybdenum Vanadium steel
- Burnished finish

n°	a mm	L mm	code	
T9	16	80	280075	2
T10	16	85	280076	2
T15	18	90	280026	2
T20	19	95	280027	2
T25	20	100	280028	2
T27	21	105	280029	2
T30	24	115	280030	2
T40	26	125	280031	2
T45	28	130	280032	2
T50	32	150	280033	2



280 LTSTX/S8

Set of eight long angled keys with spherical head for TORX® screws

- (280 LTSTX/T10-T15-T20-T25-T27-T30-T40-T45)
- Supplied in plastic holder

à gr	code	
350	280078	1



280 TX/S8

Set of eight keys for TORX® screws

- (T9-T10-T15-T20-T25-T27-T30-T40)
- Supplied with pocket holder in steel covered with shock resistant plastic
- Burnished finish

à gr	code	
220	280194	1

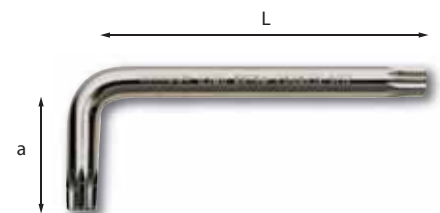


280 STX/S8

Set of eight keys for TORX® Tamper Resistant screws

- (T9-T10-T15-T20-T25-T27-T30-T40)
- Supplied with pocket holder in steel covered with shock resistant plastic
- Burnished finish

à gr	code	
215	280195	1



280 XZN

Angled keys for XZN screws

- Special Chrome Vanadium steel
- Polished Nickel plated finish

for screws M	a mm	L mm	code	
5	25	72	280541	5
6	29	81	280542	5
8	32	90	280543	5
10	36	100	280544	5
12	40	112	280545	5
14	45	125	280546	2
16	55	140	280547	2

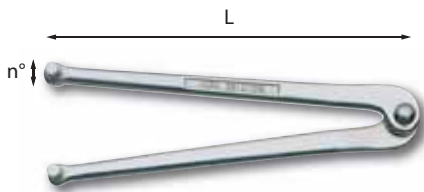


280 XZN/S5

Set of five keys for XZN screws

- (M5-M6-M8-M10-M12)
- Supplied with sheet steel pocket holder
- Nickel plated finish

à gr	code	
430	280550	1



281 C

Adjustable pin-type face wrenches with round pins

- For ring nuts with holes

n°	⌀ mm	L mm	code	
1	10÷40	115	281101	2
1,5	10÷40	115	281102	2
2	10÷40	115	281103	2
3	12÷60	160	281104	2
4	12÷60	160	281105	2
5	12÷60	160	281106	2
6	14÷100	215	281107	2
7	14÷100	215	281108	2
8	14÷100	215	281109	2
10	22÷125	260	281110	2
12	22÷125	260	281111	2



281 CR

Spare pins

- Spare part for wrenches 281 C

n°	code	
1	Q281401	1
1,5	Q281402	1
2	Q281403	1
3	Q281404	1
4	Q281405	1
5	Q281406	1
6	Q281407	1
7	Q281408	1
8	Q281409	1
10	Q281410	1
12	Q281411	1



282

UNI 6752 DIN 1810

Hook wrenches with square pin

- For ring nuts

⌀ mm	b mm	L mm	code	
16-18-20	2	108	282102	2
22-25-28	2,5	135	282103	2
30-32	2,5	135	282104	2
34-36-38	3	170	282105	2
40-42	3	170	282106	2
45-50	3,5	206	282107	2
52-55	3,5	206	282108	2
58-62-65	4	241	282109	2
68-70-75	4	241	282110	2
80-85-90	5	280	282111	2
92-95-100	5	280	282112	2
110-115	5	334	282113	1
120-130	5	334	282114	1
135-145	6	385	282115	1
155-165	6	385	282116	1
180-195	6	466	282117	1



282 SN

Adjustable hook wrenches with square pin

- For working with a single wrench on nuts of different sizes

⌀ mm	b mm	L mm	code	
15÷35	3,5	168	282301	1
35÷50	4	202	282302	1
50÷80	5	280	282303	1
80÷120	5,5	345	282304	1
120÷180	9,5	492	282305	1



282 TSN

Adjustable hook wrenches with round pin

- For working with a single wrench on nuts of different sizes

⌀ mm	b mm	L mm	code	
15÷35	3	168	282321	1
35÷50	4	202	282322	1
50÷80	5	280	282323	1
80÷120	6	345	282324	1
120÷180	8	492	282325	1



282 TSNA

Spare pins

- Spare part for wrench 282 TSN

⌀ mm	code	
15÷35	282331	1
35÷50	282332	1
50÷80	282333	1
80÷120	282334	1
120÷180	282335	1



283 N

UNI 6740 ISO 10104 DIN 838

Double ended offset bihexagonal ring wrenches

⌀ mm	L mm	code	
6x7	167	02830102	5
8x9	182	02830103	5
8x10	182	02830104	5
10x11	197	02830105	5
12x13	218	02830106	5
13x17	245	02830108	5
14x15	238	02830109	5
16x17	258	02830111	5
17x19	290	02830112	5
18x19	290	02830113	5
19x22	296	02830114	5
20x22	316	02830115	5
21x23	316	02830116	5
22x24	324	02830117	5
24x26	328	02830118	5
24x27	328	02830119	5
25x28	345	02830120	5
27x29	353	02830121	5
27x32	353	02830123	5
30x32	360	02830124	5
34x36	440	02830127	1
36x41	440	02830129	1
46x50	510	02830134	1



283 N/SE9

Set of nine offset bihexagonal ring wrenches

- 283 N 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23 mm

kg	code	
1,7	02830305	1

283 N/SE12

Set of twelve offset bihexagonal ring wrenches

- 283 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x27-25x28-30x32 mm

kg	code	
3,4	02830303	1

283 N/SE13

Set of thirteen offset bihexagonal ring wrenches

- 283 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm

kg	code	
4	02830304	1



283 N/B8

Set of eight offset bihexagonal ring wrenches

- 283 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm
- Supplied in plastic wallet

kg	code	img
1,5	02830311	1



283 N/R13

Set of thirteen offset bihexagonal ring wrenches

- 283 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied with metal holder

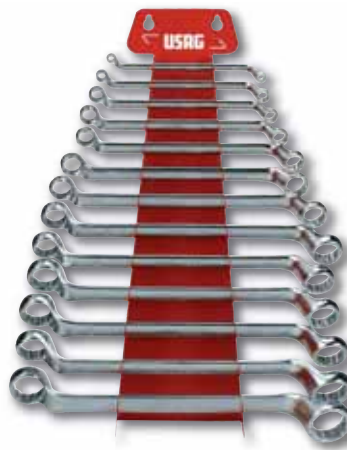
kg	code	img
4,2	02830314	1

283 RV13

Empty holder for double ended offset ring wrenches

- Enamelled sheet steel

L mm	gr	code	img
390	270	283600	1



283 N/S13

Set of thirteen offset bihexagonal ring wrenches

- 283 N/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied with metal display stand

kg	code	img
4,7	02830317	1

283 SV13

Empty metal display stand

gr	code	img
400	002520012	1



283 NP

Double ended offset bihexagonal ring wrenches, inch sizes

O mm	L mm	code	img
1/4x5/16	172	02830201	2
3/8x7/16	197	02830203	2
1/2x9/16	238	02830205	2
9/16x5/8	238	02830206	2
5/8x11/16	258	02830207	2
5/8x3/4	258	02830208	2
25/32x13/16	316	02830210	2
7/8x15/16	324	02830211	2
15/16x1	328	02830212	2
1 1/16 x 1 1/8	353	02830214	2
1 3/16 x 1 5/16	402	02830216	2
1 3/8 x 1 1/2	440	02830217	2

283 NP/SE7

Set of seven offset bihexagonal ring wrenches

- 283 NP/ 1/4x5/16-3/8x7/16-1/2x9/16-9/16x5/8-5/8x3/4-25/32x13/16-7/8x15/16-15/16x1"

kg	code	img
2	02830326	1

283 NP/SE12

Set of twelve offset bihexagonal ring wrenches

- 283 NP/ 1/4x5/16-3/8x7/16-1/2x9/16-9/16x5/8-5/8x11/16-5/8x3/4-25/32x13/16-7/8x15/16-15/16x1-1 1/16x1 1/8-1 3/16x1 5/16-1 3/8x1 1/2"

kg	code	img
4,8	02830322	1



284

Double ended offset bihexagonal ring wrench for scaffolds

O mm	L mm	code	img
21x22	315	284101	5



285

ISO 1711/1 UNI 6741
ISO 7738 DIN 3113 SAE AS 954E

Combination wrenches

- Thin open end angled at 15°
- Ergonomic grip
- Bihexagonal head bent at 15°

O mm	L mm	b mm	code	img
5,5	115	3,5	02850700	5
6	115	3,5	02850701	5
7	122	3,7	02850702	5
8	133	4,0	02850703	5
9	138	4,0	02850704	5
10	145	4,4	02850705	5
11	155	4,5	02850706	5
12	162	4,7	02850707	5
13	170	5,1	02850708	5
14	180	5,2	02850709	5
15	185	5,5	02850710	5
16	195	6,0	02850711	5
17	202	6,1	02850712	5
18	208	6,5	02850713	5
19	216	6,7	02850714	5
20	224	6,8	02850715	1
21	233	7,1	02850716	1
22	248	7,3	02850717	5
23	257	7,5	02850718	1
24	267	7,8	02850719	5
25	274	8,0	02850720	1
26	285	8,3	02850721	1
27	295	8,4	02850722	1
28	305	8,6	02850723	1
29	320	9,0	02850724	1
30	340	9,2	02850725	1
32	355	9,7	02850726	1
34	390	9,9	02850727	1
35	430	10,4	02850728	1
36	440	10,6	02850729	1
38	450	11,4	02850730	1
41	460	12,4	02850731	1

285 SE17

Set of seventeen combination wrenches

- 285/6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm

kg	code	img
1,6	285860	1

285 SE26

Set of twenty-six combination wrenches

- 285/6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32 mm

kg	code	img
4,9	285861	1



285 B17

Set of seventeen combination wrenches

- 285/6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm
- Supplied in plastic wallet

kg	code	img
1,8	285866	1



285 R17

Set of seventeen combination wrenches

- 285/6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm
- Supplied with metal holder

kg	code	img
1,9	285868	1

285 RV17

Empty holder for combination wrenches

- Enamelled sheet steel

L mm	code	img
350	285200	1



285 S13

Set of thirteen combination wrenches

- 285/6-7-8-10-11-12-13-14-15-17-19-22-24 mm
- Supplied with holder in sheet steel

kg	code	img
2,6	285873	1

285 SV13

Empty metal display stand

gr	code	img
400	Q02520012	1



285 DE/S9

Set of nine combination wrenches

- 285/8-10-11-12-13-14-15-17-19 mm
- Supplied with plastic holder

gr	code	img
960	Q2850857	1



285 DE/S14

Set of fourteen combination wrenches

- 285/7-8-10-11-12-13-14-15-16-17-18-19-22-24 mm
- Supplied with plastic holder

kg	code	img
1,8	Q2850859	1



285 P

ISO 1711/1 UNI 6741
ISO 7738 DIN 3113 SAE AS 954E

Combination wrenches

- Thin open end angled at 15°
- Ergonomic grip
- Bihexagonal head bent at 15°

Ø mm	L mm	b mm	code	img
1/4	115	3,5	Q2850821	1
5/16	133	4,0	Q2850822	1
3/8	145	4,4	Q2850823	1
7/16	162	4,7	Q2850824	1
1/2	170	5,1	Q2850825	1
9/16	180	5,2	Q2850826	1
5/8	195	6,0	Q2850827	1
11/16	202	6,1	Q2850828	1
3/4	216	6,7	Q2850829	1
13/16	224	6,8	Q2850830	1
7/8	248	7,3	Q2850831	1
15/16	267	7,8	Q2850832	1
1	274	8,0	Q2850833	1
1 1/16	295	8,4	Q2850834	1
1 1/8	305	8,6	Q2850835	1
1 1/4	355	9,7	Q2850836	1
1 5/16	390	9,9	Q2850837	1
1 3/8	430	10,4	Q2850838	1
1 7/16	440	10,6	Q2850839	1
1 1/2	450	11,4	Q2850840	1

285 P/SE13

Set of thirteen combination wrenches

- 285 P 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"

kg	code	img
1,6	285862	1



285 P/S13


Set of thirteen combination wrenches

- 285 P/3/8-7/16-1/2-9/16-5/8-11/16-3/4-13/16-7/8-15/16-1 1/8-1 5/16-1 1/2"
- Supplied with holder in sheet steel

kg	code	img
2,6	285871	1

285 P/SV13

Empty metal display stand

à gr	code	
400	Q02520012	1




285 K

ISO 7738 ISO 3318

Reversible ratchet combination wrenches


- Integrated inversion lever
- Bihexagonal head and open end bent at 15°
- Working angle at 5°

Ø mm	L mm	code	
6	127	02855001	5
7	139	02855002	5
8	139	02855003	5
9	149	02855004	5
10	158	02855005	5
11	164	02855006	5
12	171	02855007	5
13	177	02855008	5
14	190	02855009	5
15	198	02855010	5
16	207	02855011	5
17	224	02855012	5
18	235	02855013	5
19	247	02855014	5
22	290	02855017	2
24	323	02855019	2
27	358	02855022	2
30	402	02855025	1
32	423	02855027	1

285 K/SE12

Set of twelve reversible ratchet combination wrenches

- 285 K 8-9-10-11-12-13-14-15-16-17-18-19 mm


à Kg	code	
1,5	02855063	1



285 K/B8

Set of eight reversible ratchet combination wrenches

- 285 K 8-10-11-12-13-14-17-19 mm
- Supplied in plastic wallet

à gr	code	
900	02855065	1

285 K/B12

Set of twelve reversible ratchet combination wrenches

- 285 K 8-9-10-11-12-13-14-15-16-17-18-19 mm
- Supplied in plastic wallet


à Kg	code	
1,5	02855067	1



285 K/DS9

Set of nine reversible ratchet combination wrenches

- (285 K 8-10-11-12-13-14-15-17-19) mm
- Supplied with plastic holder

à Kg	code	
1,1	02855070	1




285 KF

ISO 7738 ISO 3318

Jointed reversible ratchet combination wrenches

- Ratchet working angle adjustable at 180°
- Open end angled at 15°
- Working angle at 5°

Ø mm	L mm	code	
8	127	02855203	5
9	132	02855204	5
10	136	02855205	5
11	141	02855206	5
12	147	02855207	5
13	154	02855208	5
14	160	02855209	5
15	169	02855210	5
16	179	02855211	5
17	190	02855212	5
18	203	02855213	5
19	215	02855214	5

285 KF/SE12

Set of twelve jointed reversible ratchet combination wrenches

- 285 KF 8-9-10-11-12-13-14-15-16-17-18-19 mm


à Kg	code	
1,8	02855263	1



285 KF/DS9

Set of nine jointed ratchet combination wrenches

- 285 KF 8-10-11-12-13-14-15-17-19 mm
- Supplied with plastic holder

à Kg	code	
1,1	02855269	1




285 C

ISO 3318

Short combination wrenches

- Ring and open head bent at 15°
- Ring head with hexagonal profile up to size 5,5 mm, bihexagonal for larger sizes

Ø mm	L mm	code	
3,2	77	285601	5
4	77	285602	5
5	82	285603	5
5,5	82	285604	5
6	90	285605	5
7	90	285606	5
8	94	285607	5
9	98	285608	5
10	103	285609	5
11	109	285610	5
12	127	285611	5
13	141	285612	5
14	147	285613	5
15	152	285614	5
16	158	285615	5
17	165	285616	5



285 C/SE10

Set of ten short combination wrenches

- 285 C 4-5-6-7-8-9-10-11-12-13 mm
- Supplied in nylon wallet

à Kg	code	
0,3	285682	1

285 C/SE16

Set of sixteen short combination wrenches

- 285 C 3,2-4-5-5,5-6-7-8-9-10-11-12-13-14-15-16-17 mm
- Supplied in nylon wallet

kg	code	🔧
0,7	285683	1



285 L UNI 6741 ISO 3318 ISO 7738 Long combination wrenches

- Bihexagonal and open head bent at 15°
- Shank with double-T profile to guarantee maximum resistance

O mm	L mm	code	🔧
10	212	285304	5
11	225	285305	5
12	238	285306	5
13	251	285307	5
14	264	285308	5
15	277	285310	5
16	290	285311	5
17	303	285312	5
18	316	285313	5
19	329	285314	5
20	342	285315	5
21	355	285316	5
22	368	285317	5
23	381	285318	2
24	394	285319	2
25	407	285320	2
26	420	285321	2
27	433	285322	2
28	446	285323	2
30	472	285324	2
32	498	285325	2
34	524	285326	1
36	550	285327	1
38	576	285328	1
41	615	285329	1
46	680	285330	1



285 L/R13

Set of thirteen long combination wrenches

- 285 L 10-11-12-13-14-15-16-17-18-19-20-21-22 mm
- Supplied with metal holder

kg	code	🔧
2,7	285381	1

285 L/RV13

Empty holder for long combination wrenches

- Enamelled sheet steel

L mm	code	🔧
345	285300	1



285 LP UNI 6741 DIN 3113 Heavy-duty combination wrenches

- Bihexagonal head offset and bent at 10°
- Open end angled at 15°

O mm	L mm	code	🔧
50	560	285260	1
55	610	285261	1
60	660	285262	1
65	710	285263	1
70	760	285264	1



286 S Double ended tubular box wrench for water heaters

- Hexagonal openings
- Transverse holes for drive bar
- Chrome Vanadium steel

O mm	a mm	b mm	L mm	code	🔧
50x55	64	70	250	286101	1



288 N UNI 6746 ISO 2236 DIN 896 Double ended tubular box wrenches

- Light-duty wrenches with hexagonal openings, manufactured from a drawn tube
- Transverse holes for drive bars 292

O mm	a mm	b mm	L mm	code	🔧
4x5	8,5	9,5	92	288101	4
5,5x7	10	11,5	100	288102	4
6x7	10,5	11,5	100	288103	4
8x9	13	14,5	108	288104	4
10x11	16	17	116	288105	4
10x13	16	20,5	124	288106	4
12x13	19	20,5	124	288107	4
14x15	21,5	22,5	132	288109	4
16x17	24	26	140	288110	4
17x19	26	28,5	148	288111	4
18x19	27,5	28,5	148	288112	4
20x22	29,5	32	156	288114	4
21x23	31	33	163	288115	2
24x26	34,5	37	173	288117	2
25x28	36	39,5	182	288118	2
27x29	38,5	40,5	191	288119	2
30x32	42	45	200	288121	2

288 N/8

Set of eight tubular box wrenches

- 288 N 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm
- Supplied with drive bar 292/1

kg	code	🔧
1	288281	1

288 N/12

Set of twelve tubular box wrenches

- 288 N 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-30x32 mm
- Supplied with drive bars 292/1-2

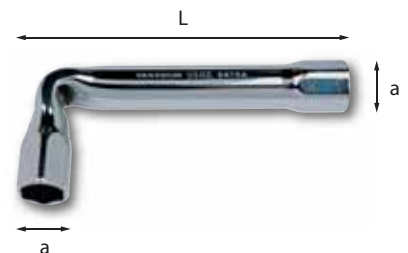
kg	code	🔧
2,9	288282	1

288 N/13

Set of thirteen tubular box wrenches

- 288 N 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied with drive bars 292/1-2

kg	code	🔧
3,5	288283	1



289 N UNI 6749 ISO 2236

Double ended offset tubular box wrenches

- Light-duty wrenches with hexagonal openings, manufactured from a drawn tube
- Transverse holes for drive bars 292

O mm	a mm	L mm	code	🔧
5	8,8	95	289101	4
5,5	9,3	95	289102	4
6	9,9	100	289103	4
7	11,1	100	289104	4
8	12,7	109	289105	4
9	13,9	109	289106	4
10	15,5	118	289107	4
11	16,7	118	289108	4
12	18,9	127	289109	4
13	19,5	127	289110	4
14	21,2	136	289111	4
15	22,3	136	289112	4
16	23,4	145	289113	4
17	24,5	145	289114	4
18	25,8	154	289115	4
19	27	154	289116	4
20	29,1	163	289117	4
21	30,3	163	289118	4
22	31,4	172	289119	4
24	33,7	180	289121	2

289 N/SE17

Set of seventeen tubular box wrenches

- 289 N 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm
- Supplied with drive bar 292/1

kg	code	🔧
2,8	289281	1



290 E UNI 6745 ISO 2236 DIN 896

Double ended tubular socket wrenches

- Heavy-duty socket wrenches with hexagonal openings, manufactured from a forged hexagon, drilled across the full length
- Transverse holes for drive bars 292
- Hexagonal body to allow work with open ended wrenches

O mm	a mm	b mm	L mm	code	
6x7	9,5	10,7	110	290101	4
8x9	12,5	14	120	290102	4
10x11	15	16	130	290103	4
12x13	17,5	19	140	290104	4
14x15	20	21,5	150	290105	4
16x17	22,7	24	160	290107	4
18x19	25,2	26,5	170	290109	4
20x22	27,7	30,2	180	290110	4
21x23	29	31,2	185	290111	2
24x26	33	35,5	190	290112	2
25x28	34,5	38	195	290113	2
27x29	37	39,5	200	290114	2
30x32	40,5	43	200	290116	2
36x41	49	55,5	240	290118	2

290 E/8

Set of eight tubular socket wrenches

- 290 E 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm
- Supplied with drive bar 292/1

kg	code	
1,1	290281	1

290 E/12

Set of twelve tubular socket wrenches

- 290 E 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-30x32 mm
- Supplied with drive bars 292/1-2

kg	code	
3,3	290282	1

290 E/13

Set of thirteen tubular socket wrenches

- 290 E 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied with drive bars 292/1-2

kg	code	
3,8	290283	1



290 E/C13

Set of thirteen tubular socket wrenches

- 290 E 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied in sheet steel case with drive bars 292/1-2

kg	code	
5,5	290186	1



290 E/R13

Set of thirteen tubular socket wrenches

- 290 E 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm
- Supplied with metal holder and drive bars 292/1-2

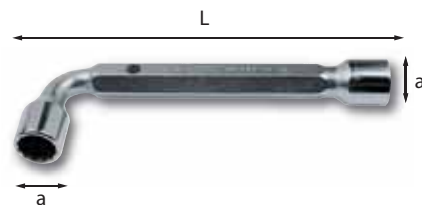
kg	code	
4	290285	1

290 E/RV13

Empty holder for socket wrenches

- Enamelled sheet steel

L mm	code	
400	290200	1



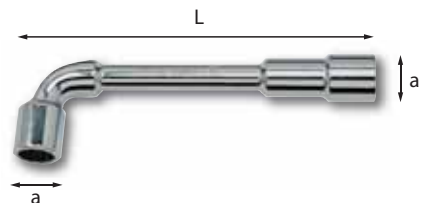
291

UNI 6748 ISO 2236

Double ended offset socket wrenches

- Heavy-duty wrenches, straight head with hexagonal opening and bent head with bihexagonal opening
- Hexagonal profiles on both sides up to size 9 mm
- Manufactured from a forged and drilled hexagon
- Transverse holes for drive bars 292
- Hexagonal body to allow work with open ended wrenches

O mm	a mm	L mm	code	
5,5	8,8	87	291000	4
6	9,5	87	291001	4
7	10,7	92	291002	4
8	12,5	97	291003	4
9	14	106	291004	4
10	15	113	291005	4
11	16	121	291006	4
12	17,5	131	291007	4
13	19	138	291008	4
14	20	146	291009	4
15	21,5	153	291010	4
16	22,7	159	291011	4
17	24	167	291012	4
18	25,2	171	291013	4
19	26,5	176	291014	4
22	30,2	199	291017	4
24	33	211	291019	2



291 N

ISO 2236

Double ended hollow offset socket wrenches

- Heavy-duty wrenches, deep straight head with hexagonal opening and bent head with bihexagonal opening
- Hexagonal profile on both sides up to size 9 mm
- Hollow profile for projecting screws or drive bars

O mm	a mm	L mm	code	
6	10	102	291104	5
7	11	106	291105	5
8	12,5	114	291106	5
9	13,5	122	291107	5
10	15	129	291108	5
11	16,5	136	291109	5
12	18	144	291110	5
13	19,5	152	291111	5
14	21	160	291112	5
15	22,5	169	291113	5
16	24	178	291114	5
17	25,5	187	291115	5
18	26,5	195	291116	5
19	28,5	204	291117	5
20	29,5	212	291118	5
21	30,5	221	291119	2
22	32	230	291120	2
23	33,5	240	291121	2
24	34,5	250	291122	2
25	36	260	291123	2
26	37	270	291124	2
27	38	280	291125	1
28	39,5	290	291126	1
30	42	310	291128	1
32	44,5	330	291130	1

291 N/SE17

Set of seventeen hollow offset socket wrenches

- 291 N 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm

kg	code	
3,9	291281	1

291 N/SE25

Set of twenty-five hollow offset socket wrenches

- 291 N 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm

kg	code	
10,9	291282	1

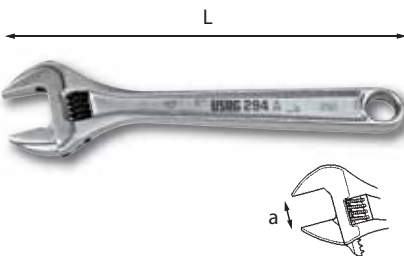


292

Drive bars

- Model with different diameters
- For use in combination with tubular wrenches 288 N-289 N - 290 E and socket wrenches 291

n°	mm	L mm	code	
1	4÷23	220	292001	1
2	24÷32	300	292002	1
3	27÷41	350	292003	1



294 A

UNI 6734 DIN 3117

Adjustable wrenches, Chrome plated

- Head angled at 15°, with scale in millimeters
- Sliding jaw opening by rotating knurl to the right

L mm	a mm	code	
110	13 (1/2")	02940001	5
150	20 (3/4")	02940002	5
200	27 (1 1/16")	02940003	5
250	30 (1 3/16")	02940004	5
300	35 (1 3/8")	02940005	5
380	44 (1 3/4")	02940006	1
460	54 (2 1/8")	02940007	1



297 N

Double ended wrenches with single-jointed bihexagonal sockets

- Model with friction-spring to allow presetting of the sockets at the desired angle

mm	L mm	code	
6x7	189	297200	2
8x9	189	297201	2
10x11	195	297202	2
12x13	234	297204	2
14x15	238	297205	2
16x17	280	297206	2
18x19	286	297208	2
20x22	329	297209	2
21x23	331	297210	2
24x27	381	297211	2
30x32	387	297212	2

297 N/SE7

Set of seven double ended wrenches

- 297 N 8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm

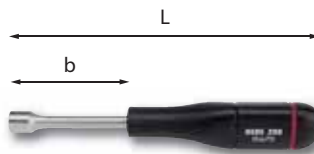
kg	code	
1,8	297085	1

297 N/SE11

Set of eleven double ended wrenches

- 297 N 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x27-30x32 mm

kg	code	
4,4	297086	1



298

UNI 6750 ISO 2236

Hexagonal socket spinners with LOGIC grip

- Ergonomic polypropylene grip
- Special Chrome Vanadium steel body
- Chrome plated finish

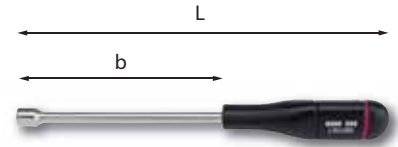
mm	b mm	L mm	code	
4	70	188	298051	5
5	70	188	298052	5
5,5	70	188	298053	5
6	70	188	298054	5
7	70	193	298055	5
8	70	193	298056	5
9	70	193	298057	5
10	70	193	298058	5
11	70	193	298059	5
12	70	193	298060	5
13	70	198	298061	5
14	70	198	298062	5

298 SE12

Set of twelve socket spinners with LOGIC grip

- (298/4÷14 mm)

kg	code	
1,6	298484	1



298 L

UNI 6750 ISO 2236

Long hexagonal socket spinners with LOGIC grip

- Ergonomic polypropylene grip
- Special Chrome Vanadium steel body
- Chrome plated finish

mm	b mm	L mm	code	
4	150	265	298151	5
5	150	265	298152	5
5,5	150	265	298153	5
6	150	265	298154	5
7	150	270	298155	5
8	150	270	298156	5
9	150	270	298157	5
10	150	270	298158	5
11	150	270	298159	5
12	150	270	298160	5
13	150	275	298161	5
14	150	275	298162	5

298 L/SE12

Set of twelve long socket spinners with LOGIC grip

- (298 L/4÷14 mm)

kg	code	
2	298485	1



298 S12

Set of twelve socket spinners with LOGIC grip

- (298/4÷14 mm)
- Supplied with sheet steel stand

kg	code	
2,4	298481	1

298 L/S12

Set of twelve long socket spinners with LOGIC grip

- (298 L/4÷14 mm)
- Supplied with sheet steel stand

kg	code	img
2,7	298482	1

298 SV12

Empty metal display stand

gr	code	img
610	Q298002	1

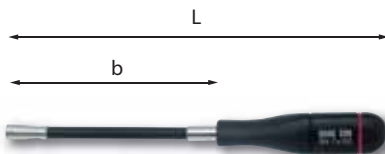


298 RV8

Empty holder for hexagonal socket spinner wrenches

- Enamelled sheet steel

L mm	code	img
265	298020	1



298 SN

Flexible hexagonal flexible socket spinners with LOGIC grip

- Maximum permissible torsion 10 Nm
- Ergonomic polypropylene grip
- Chrome plated finish

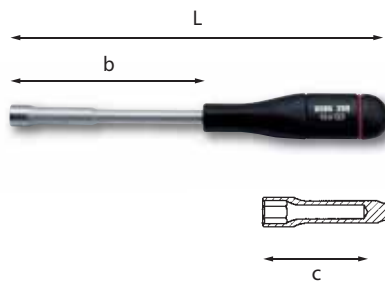
Ø mm	b mm	L mm	code	img
5	155	270	298491	2
5,5	155	270	298492	2
6	155	270	298493	2
7	155	270	298494	2
8	155	270	298495	2
9	155	270	298496	2
10	155	300	298497	2
11	155	300	298498	2
13	155	300	298499	2

298 SN/SE9

Set of nine hexagonal flexible socket spinners with LOGIC grip

- (298 SN/5÷13 mm)

kg	code	img
1,3	298489	1



299

ISO 2236

Hexagonal socket spinners with LOGIC grip

- Deep hexagonal socket for working on projecting screws
- Ergonomic polypropylene grip
- Special Chrome Vanadium steel blade
- Chrome plated finish

Ø mm	b mm	c mm	L mm	code	img
4	125	20	240	299001	5
5	125	25	240	299002	5
5,5	125	30	240	299003	5
6	125	35	240	299004	5
7	125	35	245	299005	5
8	125	50	245	299006	5
9	125	50	245	299007	5
10	125	50	245	299008	5
11	125	50	245	299009	5
12	125	50	245	299010	5
13	125	55	250	299011	5
14	125	55	250	299012	5

299 SE12

Set of twelve socket spinners with LOGIC grip

- (299/4÷14 mm)

kg	code	img
1,6	299081	1



299 S12

Set of twelve socket spinners with LOGIC grip

- (299/4÷14 mm)
- Supplied with sheet steel stand

kg	code	img
2,2	299181	1

299 SV12

Empty metal display stand

gr	code	img
610	Q298002	1



Ratchet housing for manual threader

- Interchangeable heads
- 1 pawl

Ø	kg	code	img
3/8 - 1 1/4	2,1	V136295	1



Ratchet housing for manual threader

- Interchangeable heads
- 1 pawl

Ø	kg	code	img
1 1/2 - 2	2,5	V136490	1



ex 300 B

Sockets for manual die chasers

- For external clockwise chasing with conical BSPT gas thread pitch
- Chrome Vanadium steel chasers
- Cast iron body
- Enamelled and burnished finish

Ø mm	Ø	code	img
12/17	3/8	V136233	1
15/21	1/2	V136234	1
20/27	3/4	V136235	1
26/34	1	V136236	1
33/42	1 1/4	V136237	1
40/49	1 1/2	V136438	1
50/60	2	V136439	1



ex 300 BA

Sets of spare chasers

Ø mm	Ø"	code	
12/17	3/8	V136203	1
15/21	1/2	V136204	1
20/27	3/4	V136205	1
26/34	1	V136206	1
33/42	1 1/4	V136207	1
40/49-50/60	1 1/2 - 2	V136408	1



ex 300 N

Assortment in plastic case

pcs description

- 1 Head 1 pawl with handle in two parts
- 5 BSPT Right: 3/8 - 1/2 - 3/4 - 1 - 1 1/4

LxPxH mm	kg	code	
429x240x125	6	V136301	1



ex 300 R

Assortment in plastic case

pcs description

- 1 Head 1 pawl with handle in two parts
- 4 BSPT Right: 1/2 - 3/4 - 1 - 1 1/4

LxPxH mm	kg	code	
429x240x125	5,6	V136311	1



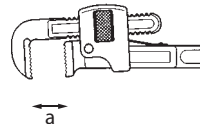
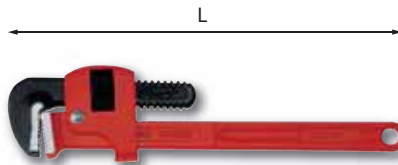
ex 300 T

Assortment in sheet steel box

pcs description

- 1 2 heads 1 pawl + 1 brace
- 6 BSPT Right: 1/2 - 3/4 - 1 - 1 1/4 - 1 1/2 - 2

LxPxH mm	kg	code	
670x230x150	20	V136280	1

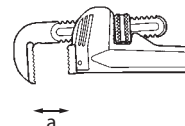
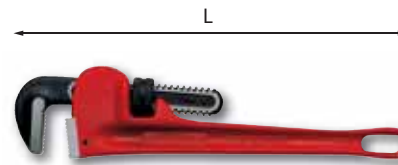


301 N

Stillson-type pipe wrenches

- Articulated cage with a double-spring device for gripping the pipe immediately, allowing quick resuming of the manoeuvre
- Body and moving jaw in Carbon steel

L mm	⊙ max	a mm	code	
250	1	34	03010004	1
350	1 1/2	49	03010005	1
450	2	60	03010006	1
600	2 1/2	76	03010007	1
900	3 1/2	102	03010008	1

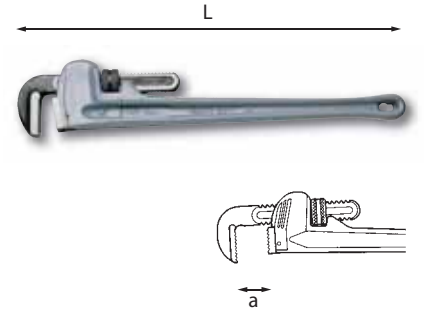


302 N

American model pipe wrenches

- Double-spring device for gripping the pipe immediately, allowing quick resuming of the manoeuvre
- Cast iron body
- Jaws in Carbon steel

L mm	⊙ max	a mm	code	
200	1	34	03020003	1
250	1 1/2	49	03020004	1
350	2	60	03020005	1
450	2 1/2	76	03020006	1
600	3	90	03020007	1



302 ALN

American model pipe wrenches with Aluminium body

- Double-spring device for gripping the pipe immediately, allowing quick resuming of the manoeuvre
- Jaws in Carbon steel

L mm	⊙ max	a mm	code	
350	2	60	03020015	1
450	2 1/2	76	03020016	1
600	3	90	03020017	1
900	5	142	03020018	1



302 AN

Spare mobile jaws

- For 302 N and 302 ALN

L mm	code	
200	Q03020013	1
250	Q03020014	1
350	Q03020015	1
450	Q03020016	1
600	Q03020017	1
900	Q03020018	1



302 BN

Spare fix jaws

- For 302 N and 302 ALN

L mm	code	
200	Q03020023	1
250	Q03020024	1
350	Q03020025	1
450	Q03020026	1
600	Q03020027	1
900	Q03020028	1

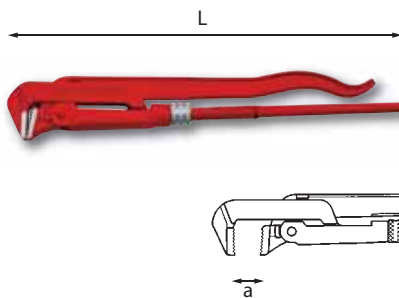


302 CN

Spare rollers

- For 302 N and 302 ALN

L mm	code	
200	Q03020033	1
250	Q03020034	1
350	Q03020035	1
450	Q03020036	1
600	Q03020037	1
900	Q03020038	1



305 N

Swedish model pipe wrenches with straight jaws bent to 90°

- Chrome Vanadium steel

L mm	⊙ max	a mm	code	
330	1	65	03050002	1
420	1 1/2	85	03050003	1
540	2	100	03050004	1
690	3	150	03050005	1

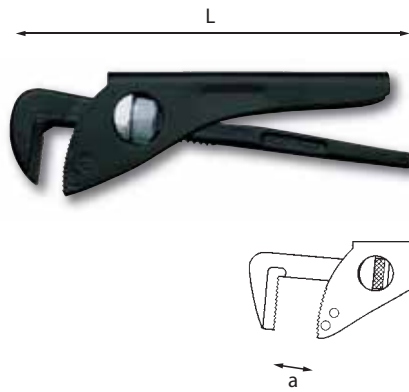


ex 306 R

Heavy-duty chain wrenches

- Reversible jaws with twin serrations permit work in both directions of rotation without removing the tool
- Carbon steel lever and jaws
- Enamelled finish

⊙ mm	⊙	L mm	a Kg	code	
13-76	1/4-2 1/2	550x415	3,2	V010731	1
27-114	3/4-4	900x560	5,9	V010732	1
34-165	1-6	1065x690	8,7	V010733	1
48-219	1 1/2-8	1285-1090	14,5	V010734	1
60-320	2-12	1600x1440	24	V010735	1

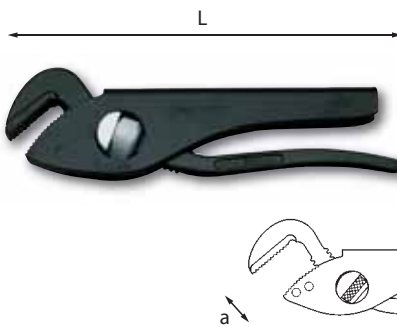


308

Light-duty pipe wrenches with jaws bent to 90°

- Carbon steel

L mm	⊙ max	a mm	code	
175	1	45	308001	5
225	1 1/2	60	308002	5
275	1 3/4	75	308003	5
315	2	85	308004	2
360	3	100	308005	2

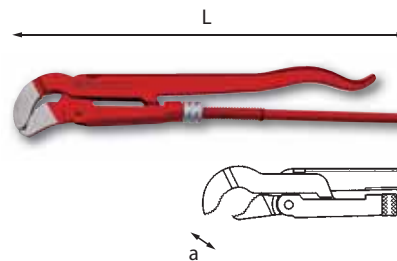


309

Light-duty pipe wrenches with jaws bent to 45°

- Carbon steel

L mm	⊙ max	a mm	code	
175	1	45	309001	5
225	1 1/2	60	309002	5
300	2	80	309003	2

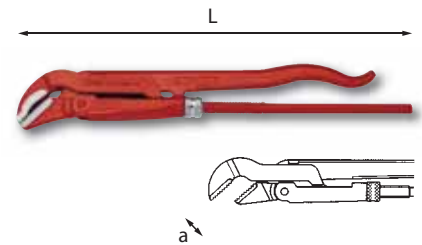


310 N

Swedish model pipe wrenches with thin, shaped jaws bent to 45°

- Chrome Vanadium steel

L mm	⊙ max	a mm	code	
270	1/2	55	03100001	1
340	1	65	03100002	1
430	1 1/2	85	03100003	1
550	2	100	03100004	1
700	3	150	03100005	1



311 N

Swedish model pipe wrenches with thin, straight jaws bent to 45°

- Chrome Vanadium steel

L mm	⊙ max	a mm	code	
270	1/2	40	03110001	1
340	1	60	03110002	1
430	1 1/2	65	03110003	1
550	2	85	03110004	1
700	3	100	03110005	1

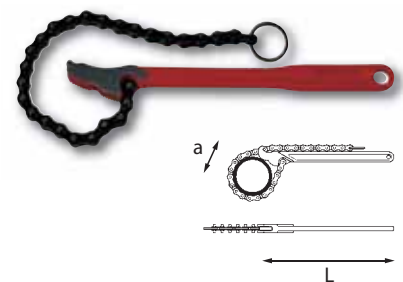


310 CN

Spare rollers

- For 305 N, 310 N and 311 N

⊙ max	code	
1/2	Q03100011	1
1	Q03100012	1
1 1/2	Q03100013	1
2	Q03100014	1
3	Q03100015	1



312

Light-duty chain wrench

- Twin serrations in the jaw permit work in both directions of rotation without removing the tool
- Chrome Vanadium steel lever

⊙ max	a mm	L mm	code	
1/2±4	115	311,5	312001	1



312 A

Spare chain

a gr	code	
280	312101	1



ex 313

Tube cutters for steel and cast iron tubes

- Carbon steel body
- Enamelled finish
- Maximum thickness: 5 mm

Ø mm	Ø"	L mm	H mm	kg	code	
10-42	1/8-1 1/4	310	1,7	V210110	1	
21-60	1/2-2	400	3	V210120	1	
27-90	3/4-3	460	4,2	V210130	1	
60-114	2-4	1030	9	V210145	1	



Spare blade for steel and cast iron tubes

	for pipe cutter	kg	code	
Steel	V210110-120-130	170	V210121	5
Cast iron	V210110-120-130	170	V210122	5
Steel	V210145	170	V210141	5
Cast iron	V210145	170	V210142	5

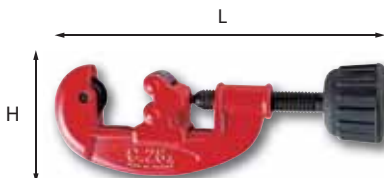


ex 314 AN

Tube cutters for Copper and light alloy tubes

- Compact model with small working radius for use in restricted spaces
- Grooved guide-rollers for cutting flanged tubes
- Maximum thickness: 2 mm
- Light alloy body
- Enamelled finish

Ø mm	Ø"	L mm	H mm	kg	code	
4-16	3/16-5/8	63	39	140	V210310	1
6-28	1/4-1 1/8	80	46	205	V210312	1



ex 314 CN

Tube cutter for Copper and light alloy tubes

- Grooved guide-rollers for cutting flanged tubes
- Flaring blade incorporated
- Light alloy body
- Enamelled finish
- Maximum thickness: 2 mm

kg	Ø mm	Ø"	L mm	H mm	code	
305	6-28	1/4-1 1/8	170	49	V210320	1



ex 314 D

Tube cutter for Copper and light alloy tubes

- Model with telescopic advance mechanism and uniform dimensions
- Grooved guide-rollers for cutting flanged tubes
- Four flaring blade incorporated
- Light alloy body
- Enamelled finish
- Maximum thickness: 2 mm

Ø mm	Ø"	L mm	H mm	kg	code	
3-35	1/8-1 3/8	135	55	470	V210443	1



COPPER



PLASTICS



STAINLESS STEEL

314 F

Tube cutter for stainless steel, Copper, light alloy and plastic tubes

- Ratchet-type model for rapid advance and return
- Grooved guide-rollers for cutting flanged tubes
- Light alloy body
- Enamelled finish
- Maximum thickness Copper: 2 mm
- Maximum thickness plastics: 8 mm
- Maximum thickness stainless steel: 2,5 mm

Ø mm	Ø"	for tubes	kg	code	
8-67	5/16 - 2 5/8	Copper	750	V210451	1
8-67	5/16 - 2 5/8	Stainless steel	750	V210479	1
8-65	5/16 - 2 9/16	Plastics	750	V210493	1



Spare blade for Copper and light alloy tubes

- For pipe cutter V210310-V210312-V210320-V210443

kg	code	
30	V210350	10



Spare blade for stainless steel, plastics and Copper tubes

- For pipe cutter V210451 (Copper), V210493 (plastics) and V210479 (stainless steel)

kg	for tubes	code	
30	Copper	V210453	1
30	Stainless steel	V210481	1
30	Plastics	V210495	1



315

Flaring tool for Copper and light alloy tubes

- For creating 45° conical flared ends
- Cast iron body
- Die and cone in Carbon steel

capacity Ø mm	code	
5-6-8-10-12-14	315001	1

315 P

Flaring tool for Copper and light alloy tubes

- For creating 45° conical flared ends
- Cast iron body
- Die and cone in Carbon steel

capacity Ø mm	code	
3/16-1/4-5/16-3/8-1/2-5/8	03150002	1



315 A

Flaring tool for Copper and light alloy tubes

- For creating 45° conical flared ends
- Cast iron body
- Die and cone in Carbon steel
- Can be used with accessories 315 BA-BB-CB

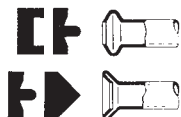
capacity ø mm	code	
4,75-5-6-8-10-12-14	315002	1



315 BA

Cone for 90° ends

à gr	code	
25	315101	1



315 BB

Cones for double ends

- For tubes with 0,7 mm thickness

capacity ø mm	code	
4,75x0,7	315201	1
5x0,7	315202	1
6x0,7	315203	1
8x0,7	315204	1
10x0,7	315205	1

315 CB

Cones for double ends

- For tubes with 1 mm thickness

capacity ø mm	code	
4,75x1	315301	1
5x1	315302	1
6x1	315303	1
8x1	315304	1
10x1	315305	1



316

Assortment in sheet steel box (2 pieces)

pcs	description/size	item
1	Tube cutter for Copper and light alloy tubes	V210320
1	Flaring tool for Copper and light alloy tubes	315

LxPxH mm	code	
280x100x40	316081	1

316 P

Assortment in sheet steel box (2 pieces)

pcs	description/size	item
1	Tube cutter for Copper and light alloy tubes	V210320
1	Flaring tool for Copper and light alloy tubes in inches	315 P

LxPxH mm	code	
280x100x40	03160012	1

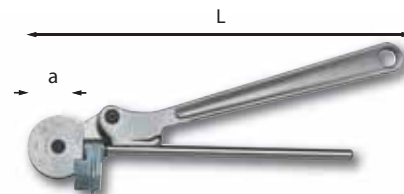


316 A

Assortment in sheet steel box (8 pieces)

pcs	description/size	item
1	Tube cutter for Copper and light alloy tubes	V210320
1	Flaring tool for Copper and light alloy tubes	315 A
1	Cone for 90° ends	315 BA
5	Cones for double ends/ 4,75x0,7-5x0,7-6x0,7-8x0,7-10x0,7	315 BB

LxPxH mm	code	
320x140x50	316181	1



ex 316 CN

Tube bending tools for Copper, light alloy and soft steel tubes with thin walls

- For making bends up to 180°
- Steel die with graduations from 0° to 180°
- Steel levers
- Maximum thickness: 1÷1,2 mm

ø tube mm	L mm	a mm	à gr	code	
6	190	11,5	190	V251106	1
8	210	14,5	210	V251108	1
10	250	23,5	250	V251110	1
12	270	30	270	V251112	1
14	350	42,5	350	V251114	1
16	380	55	380	V251116	1



ex 317 B

Tube cutter for plastic tubes and profiles

- Ratchet-type model for an effortless progressive cutting action
- Flaring blade inserted in the handle
- Light alloy body
- Enamelled finish

ø mm	ø "	à gr	code	
42	1 5/8	670	V215042	1



ex 317 BA

Spare blade

à gr	code	
100	V214041	1



ex 317 C

Tube cutter for plastic tubes and profiles

- Ratchet-type model for an effortless progressive cutting action
- Suitable for quick cut of PVC, PP, PE, PER, ABS, PEHD tubes
- Blade treated for square cuts without burrs
- Light alloy body
- Enamelled finish

Ø mm	Ø"	kg	code	
63	2,1-2 1/2	1,2	V211463	1



ex 317 CA

Spare blade

kg	code	
200	V211403	1

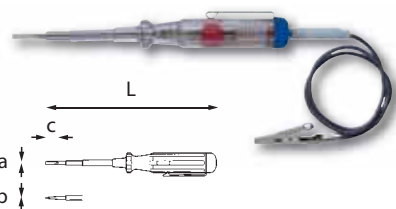


ex 317 K

Tube cutter for plastic tubes

- For cutting tubes in PVC-PP-PE
- Shock resistant plastic body

Ø mm	Ø"	kg	code	
28	1	170	V214026	1



322 C1

UNI 7076 ISO 2380 DIN 5264

Circuit-testing screwdriver 6÷24 Volts

- Model with grip and sheath thermoformed in one piece
- Silicon Chrome Vanadium steel blade

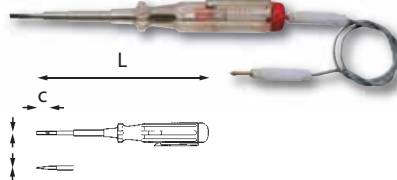
axbxc mm	L mm	code	
0,6x3,5x20	160	322303	5



322 C1R

Spare bulb

kg	code	
1	Q322305	10



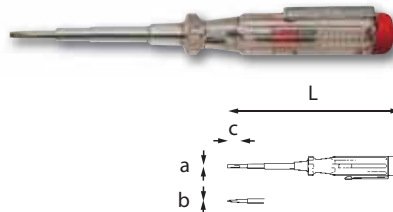
322 C2

UNI 10562 ISO 2380 DIN 5264

Circuit-testing screwdriver 110÷380 Volts

- Model with grip and sheath thermoformed in one piece
- Silicon Chrome Vanadium steel blade

axbxc mm	L mm	code	
0,6x3,5x20	160	322301	5



322 F

UNI 10562 ISO 2380 DIN 5264

Phase-testing screwdriver 110÷380 Volts

- Model with grip and sheath thermoformed in one piece
- Silicon Chrome Vanadium steel blade

axbxc mm	L mm	code	
0,6x3,5x20	160	322401	5

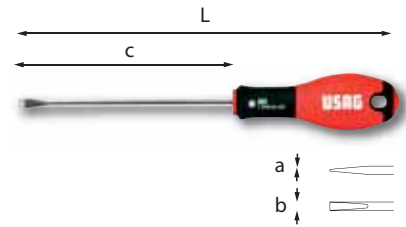


322 C2R

Spare bulb

- For 322 C2 and 322 F

kg	code	
1	322402	10



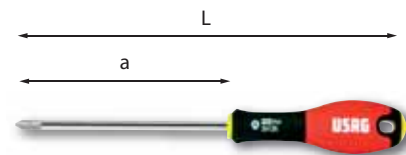
322

UNI 10562 ISO 2380 DIN 5264

Screwdrivers for slot-head screws

- Ergonomic bimaterial grip
- Chrome Vanadium steel blade
- Chrome plated finish with sandblasted tip

axbxc mm	L mm	code	
0,4x2,5x75	148	03220005	5
0,5x3x75	173	03220006	5
0,5x3x100	198	03220007	5
0,8x4x100	202	03220008	5
0,8x4x125	227	03220009	5
1x5,5x100	205	03220011	5
1x5,5x125	230	03220012	5
1,2x6,5x125	241	03220014	5
1,2x6,5x150	266	03220015	5
1,6x8x175	291	03220017	5
1,6x10x200	275	03220023	5
2x12x250	366	03220024	5
0,4x2x50	148	03220025	5
0,6x3,5x100	173	03220028	5



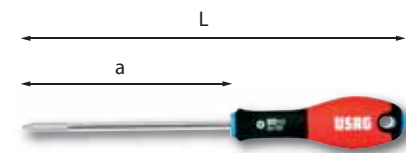
322 PH

UNI ISO 8764 DIN 5260

Screwdrivers for PHILLIPS® screws

- Ergonomic bimaterial grip
- Chrome Vanadium steel blade
- Chrome plated finish with sandblasted tip

n°xa	L mm	code	
0x75	177	03220039	5
1x100	205	03220041	5
2x125	230	03220043	5
3x150	266	03220047	5



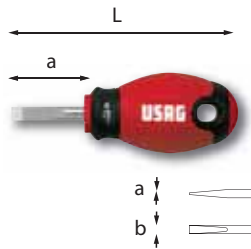
322 PZ

UNI ISO 8764 DIN 5260

Screwdrivers for POZIDRIV®-SUPADRIV® screws

- Ergonomic bimaterial grip
- Chrome Vanadium steel blade
- Chrome plated finish with sandblasted tip

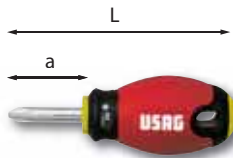
n°xa	L mm	code	
0x75	177	03220056	5
1x100	205	03220057	5
2x125	230	03220058	5



322 N UNI 10562 ISO 2380 DIN 5264
Screwdrivers for slot-head screws

- Stubby model
- Ergonomic bimaterial grip
- Chrome Vanadium steel blade
- Chrome plated finish with sandblasted tip

axbxc mm	L mm	code	
0,8x4x30	90	03220063	5
1x5,5x30	90	03220064	5
1,2x6,5x30	90	03220065	5



322 NPH UNI 10562 ISO 2380 DIN 5264
Screwdrivers for Phillips® screws

- Stubby model
- Ergonomic bimaterial grip
- Chrome Vanadium steel blade
- Chrome plated finish with sandblasted tip

n°xa	L mm	code	
1x30	90	03220068	5
2x30	90	03220069	5



322 SH5
Set of five screwdrivers for slot-head and PHILLIPS® screws

- 322 0,6x3,5x75-0,8x4x100-1x5,5x100
- 322 PH/1x100-2x125

à gr	code	
450	03220253	1



322 SH7
Set of seven screwdrivers for slot-head and PHILLIPS® screws

- 322 0,4x2x50-0,5x3x75-0,8x4x100-1x5,5x100-1,2x6,5x150
- 322 PH/1x100-2x125

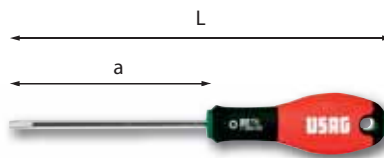
à gr	code	
600	03220254	1



322 SH10
Set of ten screwdrivers for slot-head, PHILLIPS® and POZIDRIV® screws

- 322 0,4x2x50-0,5x3x75-0,8x4x100-1x5,5x100-1,2x6,5x150
- 322 PH/OX75-1x100-2x125
- 322 PZ 1X100-2X125

à gr	code	
800	03220255	1



322 TX
Screwdrivers for TORX® screws

- Ergonomic bimaterial grip
- Molybdenum Vanadium steel blade
- Chrome plated finish with sandblasted tip

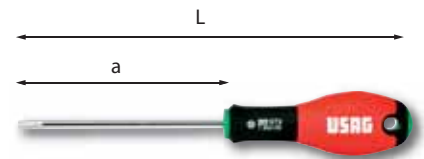
n°xa	L mm	code	
T6x50	148	03220071	5
T7x50	148	03220072	5
T8x50	148	03220073	5
T9x75	173	03220074	5
T10x75	177	03220075	5
T15x75	177	03220076	5
T20x100	202	03220077	5
T25x100	205	03220078	5
T27x100	205	03220079	1
T30x125	241	03220080	1
T40x125	241	03220081	1



322 TX/S11
Set of eleven screwdrivers for TORX® screws

- 322 TX T6x50-T7x50-T8x50-T9x50-T10x75-T15x75-T20x100-T25x100-T27x100-T30x125-T40x150

à gr	code	
900	03220266	1



322 STX
Screwdrivers for TORX® Tamper Resistant® screws

- Ergonomic bimaterial grip
- Molybdenum Vanadium steel blade
- Chrome plated finish with sandblasted tip

n°xa	L mm	code	
T10x75	175	03220086	5
T15x75	185	03220087	5
T20x100	210	03220088	5
T25x100	210	03220089	5
T27x100	230	03220090	1
T30x125	230	03220091	1
T40x125	250	03220092	1



322 STX/S7
Set of seven screwdrivers for TORX® Tamper Resistant® screws

- 322 STX T10x75-T15x75-T20x100-T25x100-T27x100-T30x125-T40x150

à gr	code	
600	03220263	1



322 R

Reversible screwdriver for slot-head and PHILLIPS® screws

- Ergonomic bimaterial grip
- Chrome Vanadium steel blade
- Chrome plated finish with sandblasted tip

axbxc mm	n°xc	L mm	code	
1x6x75	2x75	200	03220097	1

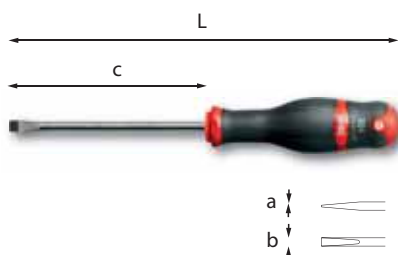


323 RV

Empty holders for screwdrivers

- For screwdrivers 322-324
- Enamelled sheet steel

n°	L mm	code	
7	205	Q323511	1
10	295	Q323512	1
13	390	Q323513	1



324

UNI 10562 ISO 2380 DIN 5264

Screwdrivers for slot-head screws

- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

axbxc mm	L mm	code	
0,5x3x75	169	03240001	5
0,5x3x100	194	03240002	5
0,8x4x100	204	03240003	5
0,8x4x125	229	03240004	5
0,8x4x150	254	03240005	5
1x5,5x100	209	03240006	5
1x5,5x125	234	03240007	5
1x5,5x150	259	03240008	5
1,2x6,5x125	245	03240009	5
1,2x6,5x150	270	03240010	5
1,2x8x200	325	03240011	5
1,6x10x200	325	03240012	5
2x12x250	375	03240013	1

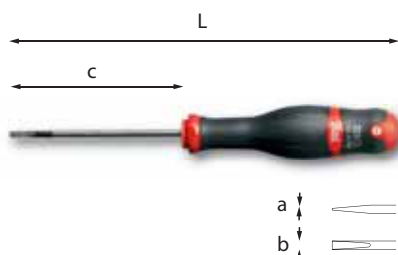


324 SE6

Set of six screwdrivers for slot-head screws

- 324 D/0,4x2,5x50-0,5x3x75-0,6x3,5x100
- 324/0,8x4x100-1x5,5x125-1,2x6,5x150

g gr	code	
460	03240252	1



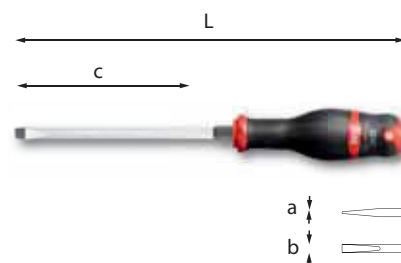
324 D

UNI 10562 ISO 2380 DIN 5264

Screwdrivers for slot-head screws

- For driving recessed studs or screws
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

axbxc mm	L mm	code	
0,4x2,5x50	144	03240026	5
0,5x3x75	169	03240027	5
0,6x3,5x100	204	03240028	5
0,8x4x100	204	03240029	5
0,8x4x150	254	03240030	1
1x5,5x125	234	03240031	5
1x5,5x150	259	03240032	1
1,2x6,5x150	270	03240033	1



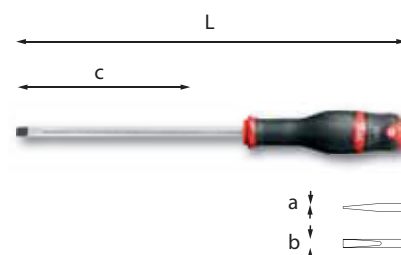
324 E

UNI 10562 ISO 2380 DIN 5264

Screwdrivers for slot-head screws

- Model with hexagonal drive and hexagonal blade for powerful tightening, also with a wrench
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

axbxc mm	L mm	mm	code	
0,8x4x100	204		03240116	1
1x5,5x125	234	8	03240117	1
1,2x6,5x150	270	10	03240096	1
1,2x8x175	300	11	03240097	1
1,6x8x175	300	12	03240098	1
1,6x10x175	300	14	03240099	1
2x12x250	375	14	03240100	1



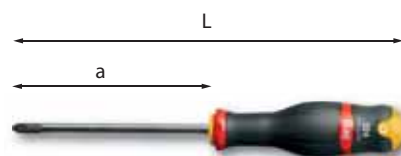
324 L

UNI 10562 ISO 2380 DIN 5264

Screwdrivers for slot-head screws

- Model with long blade
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

axbxc mm	L mm	code	
0,6x3,5x250	354	03240019	1
0,8x4x300	404	03240020	1
1x5,5x300	409	03240021	1



324 PH

UNI ISO 8764 DIN 5260

Screwdrivers for Phillips® screws

- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	code	
0x75	179	03240039	5
1x75	184	03240040	5
1x100	209	03240041	5
2x100	220	03240042	5
2x125	245	03240043	5
3x150	275	03240044	5
4x200	325	03240045	1

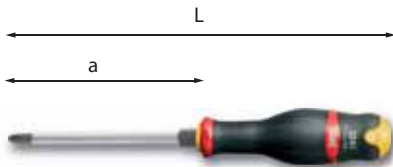


324 PH/SE4 +

Set of four screwdrivers for slot-head and PHILLIPS® screws

- 324 PH/0x75-1x75-2x100-3x150

n°xa	L mm	code	gr
530	03240268	1	



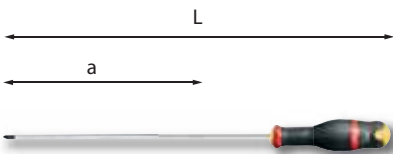
324 EPH +

UNI ISO 8764 DIN 5260

Screwdrivers for PHILLIPS® screws

- Model with hexagonal drive and hexagonal blade for powerful tightening, also with a wrench
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	mm	code	gr
1x100	209	8	03240121	1
2x125	245	10	03240104	1
3x150	275	12	03240105	1
4x200	325	14	03240106	1



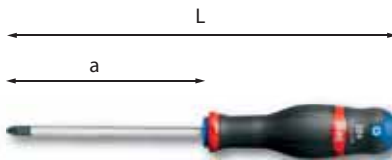
324 LPH +

UNI ISO 8764 DIN 5260

Screwdrivers for PHILLIPS® screws

- Model with long blade
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	code	gr
1x250	359	03240050	5
2x250	370	03240051	5



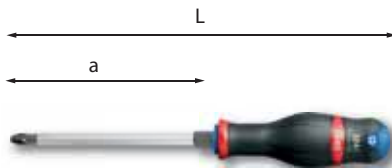
324 PZ +

UNI ISO 8764 DIN 5260

Screwdrivers for POZIDRIV®-SUPADRIV® screws

- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	code	gr
0x75	179	03240056	1
1x75	184	03240057	1
2x100	220	03240058	1
3x150	275	03240059	1



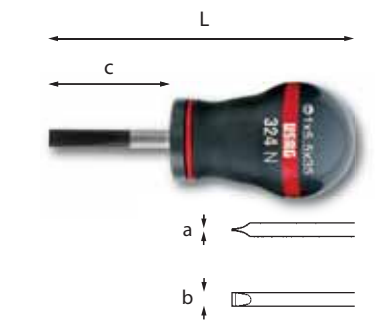
324 EPZ +

UNI ISO 8764 DIN 5260

Screwdrivers for POZIDRIV®-SUPADRIV® screws

- Model with hexagonal drive and hexagonal blade for powerful tightening, also with a wrench
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	mm	code	gr
2x125	245	10	03240110	1
3x150	275	12	03240111	1
4x200	325	14	03240112	1



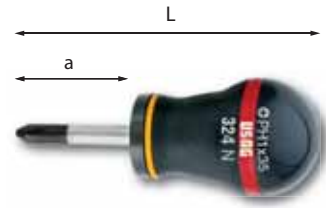
324 N -

UNI 10562 ISO 2380 DIN 5264

Screwdrivers for slot-head screws

- Stubby model
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

axbxc mm	L mm	code	gr
0,8x4x35	91	03240063	5
1x5,5x35	91	03240064	5
1,2x6,5x35	91	03240065	5



324 NPH +

UNI ISO 8764 DIN 5260

Screwdrivers for PHILLIPS® screws

- Stubby model
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	code	gr
1x35	91	03240068	5
2x35	91	03240069	5



324 SH8 - +

Set of eight screwdrivers for slot-head and PHILLIPS® screws

- 324 D/0,4x2,5x50
- 324/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150
- 324 PH/0x75-1x75-2x100

n°xa	L mm	code	gr
640	03240250	1	



324 SH10 - +

Set of ten screwdrivers for slot-head and PHILLIPS® screws

- 324 D/0,4x2,5x50-0,5x3x75-0,6x3,5x100
- 324/0,8x4x100-1x5,5x125-1,2x6,5x150
- 324 PH/0x75-1x75-2x100-3x150

n°xa	L mm	code	gr
890	03240255	1	

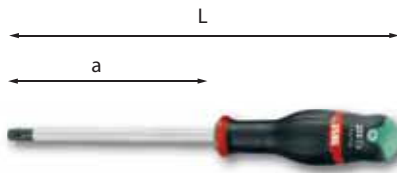


324 SH12

Set of twelve screwdrivers for slot-head, PHILLIPS® and POZIDRIV®-SUPADRIV® screws

- 324 D/0, 4x2, 5x50
- 324/0, 5x3x75-0, 8x4x100-1x5, 5x125-1, 2x6, 5x150
- 324 N/1x5, 5x35
- 324 PH/0x75-1x75-2x100
- 324 NPH/2x35
- 324 PZ/1x75-2x100

gr	code	img
950	03240251	1



324 TX

Screwdrivers for TORX® screws

- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	code	img
T6x50	145	03240071	5
T7x50	145	03240072	5
T8x50	145	03240073	5
T9x75	170	03240074	5
T10x75	179	03240075	5
T15x75	184	03240076	5
T20x100	220	03240077	5
T25x100	220	03240078	5
T27x100	220	03240079	1
T30x125	245	03240080	1
T40x150	275	03240081	1



324 TX/S7

Set of seven screwdrivers for TORX® screws

- 324 TX T10x75-T15x75-T20x100-T25x100-T27x100-T30x125-T40x150

gr	code	img
810	03240264	1

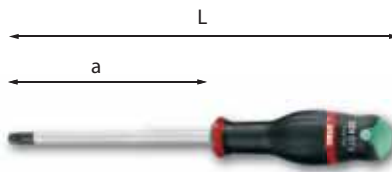


324 TX/S11

Set of eleven screwdrivers for TORX® screws

- 324 TX T6x50-T7x50-T8x50-T9x50-T10x75-T15x75-T20x100-T25x100-T27x100-T30x125-T40x150

gr	code	img
920	03240266	1



324 STX

Screwdrivers for TORX® Tamper Resistant® screws

- For safety screws
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	code	img
T10x75	179	03240086	5
T15x75	184	03240087	5
T20x100	220	03240088	5
T25x100	220	03240089	5
T27x100	220	03240090	1
T30x125	245	03240091	1
T40x150	275	03240092	1

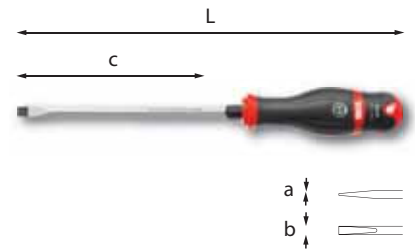


324 STX/S7

Set of seven screwdrivers for TORX® Tamper Resistant® screws

- 324 STX T10x75-T15x75-T20x100-T25x100-T27x100-T30x125-T40x150

gr	code	img
810	03240093	1

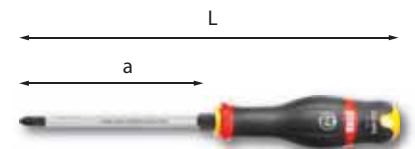


324 H

Screwdrivers for slot-head screws

- Model with hexagonal drive and hexagonal blade for powerful tightening, also with a wrench
- Metal rear dome to protect the beating zone
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

axbxc mm	L mm	mm	code	img
0,8x4x100	204		03240133	1
1,5x5x125	234	8	03240134	1
1,2x6,5x150	270	10	03240135	1
1,2x8x175	300	11	03240136	1
1,6x10x175	300	12	03240137	1
2x12x200	300	14	03240138	1
2,5x14x250	375	14	03240139	1



324 HPH

Screwdrivers for Phillips screws

- Model with hexagonal drive and hexagonal blade for powerful tightening, also with a wrench
- Metal rear dome to protect the beating zone
- Ergonomic three-material grip
- Special Silicon Chrome Manganese steel blade
- Chrome plated finish with burnished tip

n°xa	L mm	mm	code	img
1x100	209	8	03240141	1
2x125	245	10	03240142	1
3x150	275	12	03240143	1



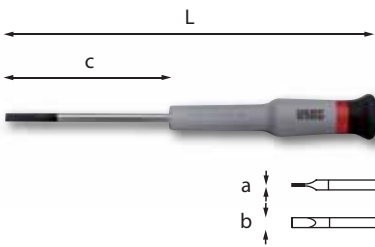
324 H/SH3

Set of three screwdrivers for slot-head and Phillips screws

- 324 H/1, 2x6,5x150-1,6x10x175
324 HPH/2x125



gr	code	
400	03240270	1

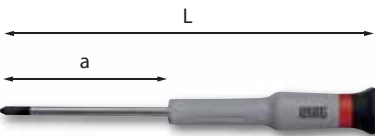


329 N

Screwdrivers for slot-head screws

- Ergonomic handgrip with revolving head for precision screwing action
- Special Silicon Chrome Vanadium steel blade
- Chrome plated finish with burnished tip

axbxc mm	colour	L mm	code	
0,2x1,5x35	yellow	118	03290001	5
0,3x1,8x35	blue	118	03290002	5
0,4x2x35	blu	118	03290003	5
0,4x2x75	blue	158	03290004	5
0,4x2,5x35	light blue	118	03290005	5
0,4x2,5x75	light blue	158	03290006	5
0,5x3x75	red	168	03290007	5
0,5x3,5x75	lila	168	03290008	5
0,8x4x75	violet	168	03290009	5

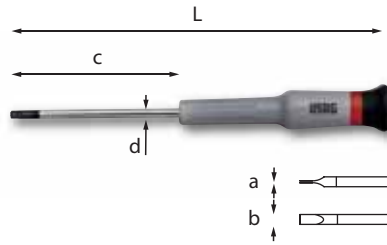


329 NPH

Screwdrivers for PHILLIPS® screws

- Ergonomic handgrip with revolving head for precision screwing action
- Special Silicon Chrome Vanadium steel blade
- Chrome plated finish with burnished tip

n°xa	colour	L mm	code	
00x35	lila	118	03290021	5
00x75	lila	158	03290022	5
0x35	violet	118	03290023	5
0x75	violet	168	03290024	5
1x75	brown	168	03290025	5



329 NTX

Screwdrivers for TORX® screws

- Ergonomic handgrip with revolving head for precision screwing action
- Special Silicon Chrome Vanadium steel blade
- Chrome plated finish with burnished tip

n°xa	colour	L mm	code	
T5x35	green	118	03290041	1
T6x35	blue	118	03290042	1
T7x35	light blue	118	03290043	1
T8x75	red	168	03290044	1
T9x75	lila	168	03290045	1
T10x75	violet	168	03290046	1
T15x75	brown	168	03290047	1
T20x75	grey	168	03290048	1



329 N/S5

Set of five screwdrivers for slot-head and PHILLIPS® screws

- 329 N/0, 2x1,5x35-0,3x1,8x35-0,4x2x35-0,4x2,5x35
- 329 NPH/00x35
- Supplied in plastic box

gr	code	
170	03290056	1

329 N/S8

Set of eight screwdrivers for slot-head and PHILLIPS® screws

- 329 N/0, 4x2x75-0,4x2,5x75-0,5x3x75-0,5x3,5x75-0,8x4x75
- 329 NPH/00x75-0x75-1x75
- Supplied in plastic box

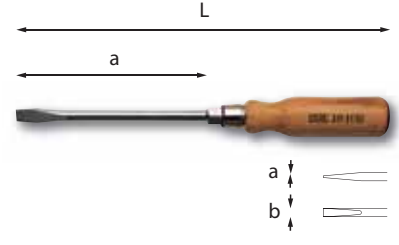
gr	code	
380	03290057	1

329 NTX/S8

Set of eight screwdrivers for TORX® screws

- 329 NTX/T5x35-T6x35-T7x35-T8x75-T9x75-T10x75-T15x75-T20x75
- Supplied in plastic box

gr	code	
380	03290058	1



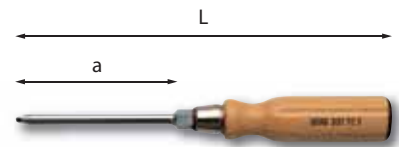
331

UNI 10562 ISO 2380 DIN 5264

Screwdrivers for slot-head screws

- Wooden grip with leather-covered dome
- Full-length Chrome Vanadium steel blade with hexagonal drive
- Chrome plated finish

axbxc mm	L mm	mm	code	
1x5,5x100	200	10	331102	5
1,2x6,5x125	238	10	331103	5
1,2x8x150	275	12	331104	5
1,6x10x175	304	12	331105	5
2x12x200	330	14	331106	5
2,5x14x250	380	16	331107	5



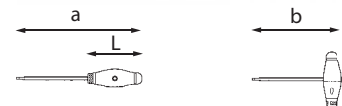
331 PH

UNI ISO 8764 DIN 5260

Screwdrivers for PHILLIPS® screws

- Wooden grip with leather-covered dome
- Full-length Chrome Vanadium steel blade with hexagonal drive
- Chrome plated finish

n°xa	L mm	mm	code	
2x100	210	10	331202	5
3x150	265	12	331203	5

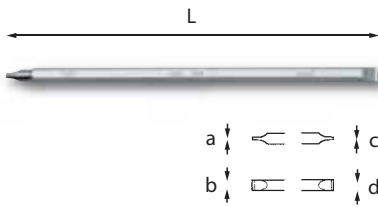


333

COMBIDRIVE® handgrip

- Ergonomic bimaterial grip
- For use in combination with blades and accessories of the COMBIDRIVE series

mm	a mm	b mm	L mm	code	
1/4	240	178	110	333001	2



333 I

UNI 10562 ISO 2380

Reversible COMBIDRIVE® blades for slot-head screws

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

axb mm	cx mm	L mm	code	
0,6x3,5	0,8x4	175	333003	5
1x5,5	1,2x6,5	175	333004	5



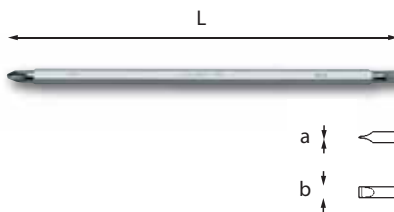
333 PH

UNI ISO 8764

Reversible COMBIDRIVE® blades for PHILLIPS® screws

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

n°	L mm	code	
0-1	175	333006	5
1-2	175	333007	5
2-3	175	333008	5



333 IPH

UNI 10562 ISO 2380
UNI ISO 8764

Reversible COMBIDRIVE® blades for slot-head and PHILLIPS® screws

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

axb mm	n°	L mm	code	
0,6x3,5	0	175	333027	5
0,8x4	1	175	333028	5
1x5,5	2	175	333029	5



333 PZ

UNI ISO 8764

Reversible COMBIDRIVE® blades for POZIDRIV®-SUPADRIV® screws

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

n°	L mm	code	
0-1	175	333011	5
1-2	175	333012	5
2-3	175	333013	5

333 TX

Reversible COMBIDRIVE® blades for TORX® screws

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

n°	L mm	code	
T7-T8	175	333015	5
T9-T10	175	333016	5
T15-T20	175	333017	5
T25-T27	175	333018	5
T30-T40	175	333019	5



333 STX

Reversible COMBIDRIVE® blades for TORX® Tamper Resistant® screws

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

n°	L mm	code	
T7-T8	175	333021	5
T9-T10	175	333022	5
T15-T20	175	333023	5
T25-T27	175	333024	5
T30-T40	175	333025	5



333 E

Reversible COMBIDRIVE® blades for Allen screws

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

mm	L mm	code	
2,5	175	333031	5
3	175	333032	5
4	175	333033	5
5	175	333034	5
6	175	333035	5



333 1/4'' MG

COMBIDRIVE® magnetic bit-holder

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

Ø	a mm	L mm	code	
1/4	10	175	333036	1

333 1/4'' Q

COMBIDRIVE spinner handle

- Special Silicon Chrome Vanadium steel
- Chrome plated finish

Ø	L mm	code	
1/4	175	333037	1



333 S9

COMBIDRIVE® assortment in nylon wallet (9 pcs)

pcs	description/size	item
1	COMBIDRIVE handgrip	333
5	Reversible COMBIDRIVE blades for Allen screws/2,5-3-4-5-6	333 E
3	Reversible COMBIDRIVE blades for slot-head and PHILLIPS screws/(0,6x3,5/PH0)-(0,8x4/PH1)-(1x5,5-PH2)	333 IPH

g	code	
450	333040	1

333 S10

COMBIDRIVE® assortment in nylon wallet (10 pcs)

pcs	description/size	item
1	COMBIDRIVE handgrip	333
2	Reversible COMBIDRIVE blades for slot-head screws/(0,6x3,5/0,8x4)-(1x5,5/1,2x6,5)	333 I
2	Reversible COMBIDRIVE blades for PHILLIPS screws/(0-1)-(2-3)	333 PH
5	Reversible COMBIDRIVE blades for TORX Tamper Resistant screws/(T7-T8)-(T9-T10)-(T15-T20)-(T25-T27)-(T30-T40)	333 STX

g	code	
500	333041	1



333 S20

COMBIDRIVE® assortment in sheet steel box (20 pcs)

pcs	description	item/size
9	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10	235 1/4" EN
1	Universal joint	241 1/4"
1	COMBIDRIVE handgrip	333
1	COMBIDRIVE spinner handle	333 1/4" Q
5	Reversible COMBIDRIVE blades for Allen screws/2,5-3-4-5-6	333 E
3	Reversible COMBIDRIVE blades for slot-head and PHILLIPS screws/ (0,6x3,5/PH0)-(0,8x4/PH1)-(1x5,5/PH2)	333 IPH

LxPxH mm	code	img
260x180x55	333045	1

333 S20A

COMBIDRIVE® assortment in sheet steel box (20 pcs)

pcs	description	item/size
9	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10	235 1/4" EN
1	Universal joint	241 1/4"
1	COMBIDRIVE handgrip	333
1	COMBIDRIVE spinner handle	333 1/4" Q
3	Reversible COMBIDRIVE blades for slot-head and PHILLIPS screws/ (0,6x3,5/PH0)-(0,8x4/PH1)-(1x5,5/PH2)	333 IPH
5	Reversible COMBIDRIVE blades for TORX screws/(T7-T8)-(T9-T10)-(T15-T20)-(T25-T27)-(T30-T40)	333 TX

LxPxH mm	code	img
260x180x55	333046	1

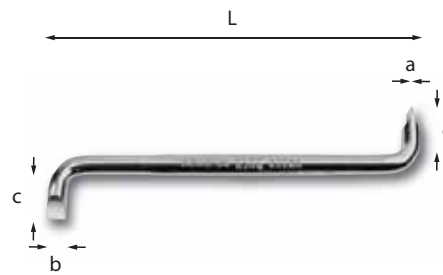


333 S28

COMBIDRIVE® assortment in sheet steel box (28 pcs)

pcs	description	item/size
9	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10	235 1/4" EN
1	Universal joint	241 1/4"
1	COMBIDRIVE handgrip	333
1	COMBIDRIVE spinner handle	333 1/4" Q
5	Reversible COMBIDRIVE blades for Allen screws/2,5-3-4-5-6	333 E
2	Reversible COMBIDRIVE blades for slot-head screws/(0,6x3,5/0,8x4)-(1x5,5/1,2x6,5)	333 I
2	Reversible COMBIDRIVE blades for PHILLIPS screws/(0-1)-(2-3)	333 PH
2	Reversible COMBIDRIVE blades for POZIDRIV-SUPADRIV screws/(0-1)-(2-3)	333 PZ
5	Reversible COMBIDRIVE blades for TORX Tamper Resistant screws/(T7-T8)-(T9-T10)-(T15-T20)-(T25-T27)-(T30-T40)	333 STX

LxPxH mm	code	img
260x180x55	333047	1



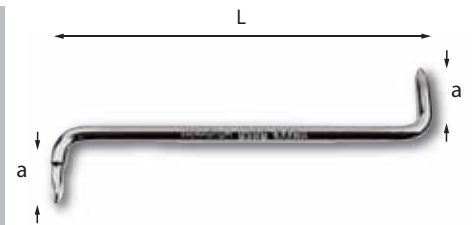
340

UNI 10562 ISO 2380 DIN 5200

Offset screwdrivers for slot-head screws

- For working on screws not accessible from the axial direction
- Blade heads set at right angles to each other to allow a working angle of 90°
- Special Silicon Chrome Vanadium steel
- Nickel plated finish

axb mm	c mm	L mm	code	img
0,5x3	18	90	340006	5
0,6x3,5	21	90	340007	5
0,8x4	20	90	340008	5
1x5,5	21	125	340002	5
1,2x8	22	150	340003	5
1,6x10	27	175	340004	5



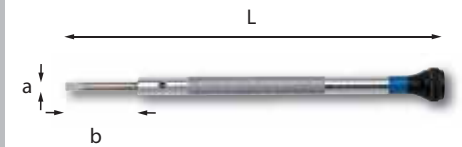
340 PH

UNI ISO 8764 DIN 5208

Offset screwdrivers for PHILLIPS® screws

- For working on screws not accessible from the axial direction
- Blade heads set at right angles to each other to allow a working angle of 90°
- Special Silicon Chrome Vanadium steel
- Nickel plated finish

n°	a mm	L mm	code	img
0-1	18	90	340010	5
1-2	22	125	340011	5
3-4	30	175	340012	5

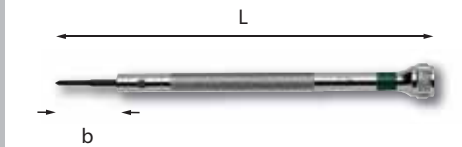


342

Precision screwdrivers for slot-head screws

- Model for the micromechanical sector
- Revolving head for precision screwing action
- Body and blade in Carbon steel
- Chrome plated and burnished finish

a mm	b mm	colour	L mm	code	img
0,6	10	pink	80	342006	5
0,8	10	yellow	80	342008	5
1	15	black	88	342010	5
1,2	16	red	88	342012	5
1,4	18	grey	95	342014	5
1,6	18	purple	95	342016	5
2	20	green	102	342020	5
2,5	22	blue	102	342025	5



342 PH

Precision screwdrivers for PHILLIPS® screws

- Model for the micromechanical sector
- Revolving head for precision screwing action
- Body and blade in Carbon steel
- Chrome plated and burnished finish

n°	b mm	colour	L mm	code	img
00	18	pink	95	342101	5
0	20	purple	102	342102	5
1	20	brown	102	342103	5



342 SE5

Set of five precision screwdrivers for slot-head screws

- 342/0,8-1-1,4-1,6-2
- Supplied in plastic wallet

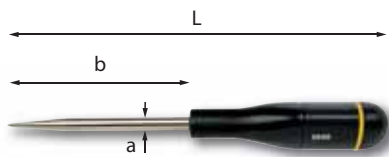
a gr	code	5
70	342085	1

342 SE8

Set of eight precision screwdrivers for slot-head and PHILLIPS® screws

- 342/0,8-1-1,4-1,6-2 342 PH/00-1
- Supplied in plastic wallet

a gr	code	5
115	342088	1

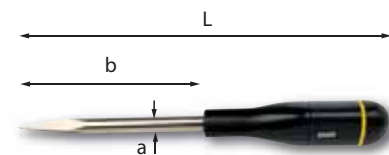


344 N

Round tip drifts

- Shock resistant plastic handgrip
- Chrome Vanadium steel blade

a mm	b mm	L mm	code	5
4	60	170	344010	5
6	80	195	344011	5
8	100	220	344012	5

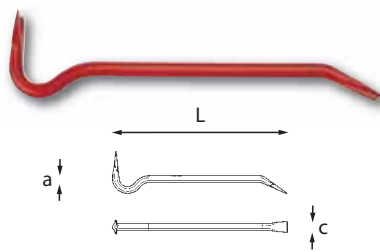


345 N

Square tip drifts

- Shock resistant plastic handgrip
- Chrome Vanadium steel blade

a mm	b mm	L mm	code	5
4	60	170	345010	5
6	80	195	345011	5
8	100	220	345012	5



346

Wrecking bars for carpenters

- Model with octagonal section, one chisel tip and one curved claw tip
- Silicon Manganese steel

L mm	a mm	c mm	code	5
600	18	35	346001	2
800	18	40	346002	2



351

Ribbed chisels

- Forged Chrome Vanadium steel
- Re-grindable edge

UNI 7506

L mm	a mm	a gr	code	5
125	18	103	351002	5
150	21	164	351003	5
175	24	266	351004	5
200	26	330	351005	5
250	29	520	351006	5
300	32	813	351007	5



351 A

Ribbed chisels with hand guard

- Forged Chrome Vanadium steel
- Protective hand guard in PVC
- Re-grindable edge

UNI 7506

L mm	a mm	code	5
200	26	351110	1
250	29	351111	1
300	32	351112	1



351 R

Spare hand guard

- For chisels 351 A

length of chisel mm	code	5
200	Q351020	1
250	Q351025	1
300	Q351030	1



352

Ribbed cross cut chisels

- Forged Chrome Vanadium steel
- Re-grindable edge

UNI 7507

L mm	a mm	code	5
150	6	352002	5
200	8	352004	5

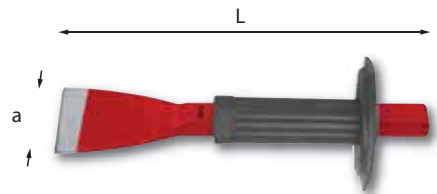


353

Chisel with extra wide cutting edge

- Forged Chrome Manganese Silicon steel
- Re-grindable edge

L mm	a mm	code	5
250	60	353001	2



353 A

Chisel with extra wide cutting edge and hand guard

- Forged Chrome Manganese Silicon steel
- Protective rubber hand guard
- Re-grindable edge

L mm	a mm	code	5
250	60	353002	1

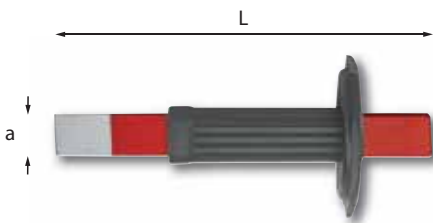


354

Extra flat chisel

- Forged Chrome Vanadium steel
- Re-grindable edge

L mm	a mm	code	5
235	26	354001	5



354 A

Extra flat chisel with hand guard

- Forged Chrome Vanadium steel
- Protective rubber hand guard
- Re grindable edge

L mm	a mm	code	
235	26	354002	1

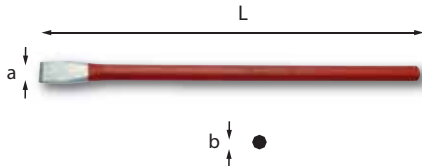


355

Drill drifts

- Chrome Vanadium steel

n°	L mm	code	
0	90	355001	5
1-2	140	355002	5
3	190	355003	5
4	225	355004	5
5-6	265	355005	5

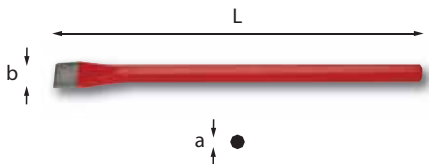


359

Chisels for electricians

- Chrome Manganese Silicon steel
- Re grindable edge
- Octagonal section

axL mm	b mm	code	
14x200	10	359003	5
14x250	10	359004	5

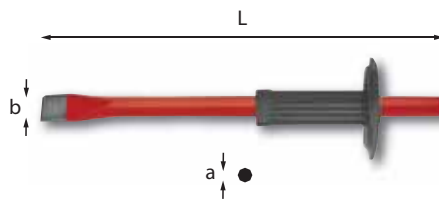


360

Chisels for masons

- Forged Manganese Silicon steel
- Re grindable edge
- Octagonal section

L mm	a mm	b mm	code	
300	16	22	360001	2
400	18	26	360002	2

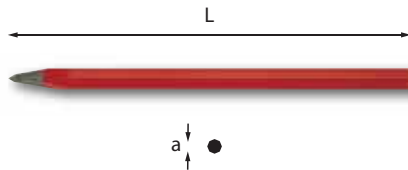


360 A

Chisels for masons with hand guard

- Forged Manganese Silicon steel
- Protective rubber hand guard
- Re grindable edge
- Octagonal section

L mm	a mm	b mm	code	
300	16	22	360003	1
400	18	26	360004	1

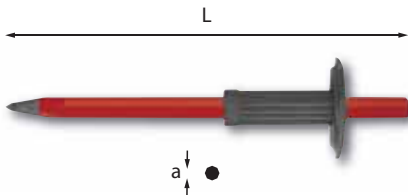


361

Punches for masons

- Forged Manganese Silicon steel
- Re grindable edge
- Octagonal section

L mm	a mm	code	
300	16	361001	2
400	18	361002	2



361 A

Punches for masons with hand guard

- Forged Manganese Silicon steel
- Protective rubber hand guard
- Re grindable edge
- Octagonal section

L mm	a mm	code	
300	16	361003	1
400	18	361004	1

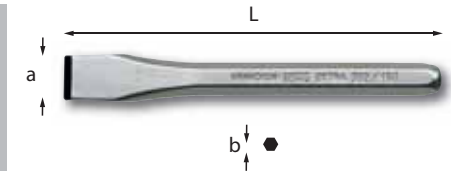


361 R

Spare hand guard

- For punches 360 A and 361 A

length of chisel mm	code	
300-400	361005	1



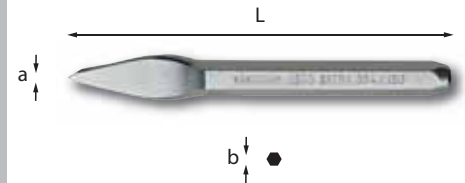
362

UNI 7504 DIN 6453

Chisels

- Forged Chrome Vanadium steel
- Re grindable edge

L mm	a mm	b mm	code	
125	12	10	362001	10
150	18	12	362002	10
175	22	16	362003	10



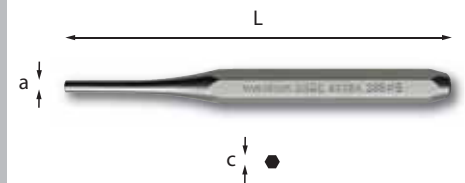
364

UNI 7505 DIN 6451

Cross cut chisels

- Chrome Vanadium steel
- Re grindable edge

L mm	a mm	b mm	code	
125	4	10	364001	10
150	6	12	364002	10



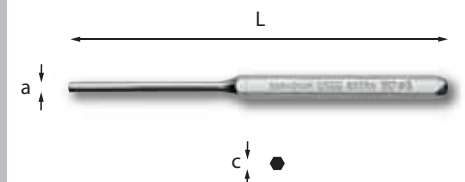
366

UNI 7501 DIN 6458

Drift punches

- Chrome Vanadium steel

axL mm	c mm	code	
2x125	10	366101	10
4x150	12	366102	10
3x125	10	366201	10
5x150	12	366202	10
6x150	12	366203	10



367

UNI 7502 DIN 6450

Pin punches

- Chrome Vanadium steel
- Inserted phosphatised tips for the 2 and 3 mm sizes

axL mm	c mm	code	
2x110	8	367003	10
3x130	8	367005	10
4x145	10	367006	10
5x165	10	367007	10
6x180	12	367008	10
8x200	12	367009	10
10x205	12	367010	10



367 SE6

Set of six pin punches

- 367/2x110-3x130-4x145-5x165-6x180-8x200 mm
- Supplied in plastic wallet

à gr	code	
510	367081	1



367 S7

Set of seven pin punches

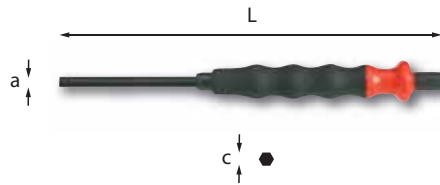
- 367/2x110-3x130-4x145-5x165-6x180-8x200-10x205 mm
- Supplied with metal holder

à gr	code	
860	367181	1

367 SV7

Empty metal holder

à gr	code	
215	Q367001	1



367 A

Pin punches with handle

- PVC cushioned handle
- Chrome Vanadium steel body

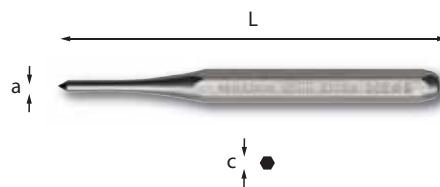
axL mm	c mm	code	
2x140	8	367011	2
3x150	8	367012	2
4x195	10	367013	2
5x205	10	367014	2
6x210	12	367015	2
8x220	12	367016	2
10x230	14	367017	2

367 A/SE7

Set of seven pin punches

- 367 A/2x175÷10x230 mm

à gr	code	
900	367086	1



368

UNI 7503 DIN 7250

Centre punches

- Chrome Vanadium steel

axL mm	c mm	code	
3x100	8	368001	10
4x125	10	368002	10
5x150	12	368003	10



368 AN

Automatic centre punch

- Spring-loaded model
- Depth of cut controllable by rotating the head
- Regrindable edge

L mm	a mm	c mm	code	
150	6	16	368102	5



368 AC

Spare tip

à gr	code	
10	368202	10



372 SE6

Assortment in plastic wallet (6 pcs)

pcs	description	item/size
1	Centre punch	368/4x125
2	Drift punches	366/3x125-4x150
1	Cross cut chisel	364/125
2	Chisels	362/125-150

à gr	code	
860	372181	1



372 S7

Assortment with metal holder (7 pcs)

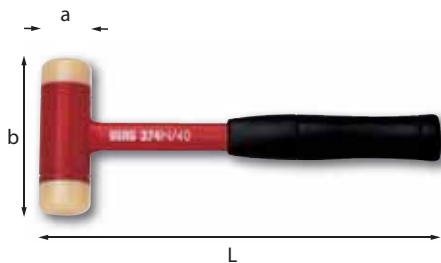
pcs	description	item/size
1	Centre punch	368/4x125
2	Drift punches	366/3x125-4x150
2	Cross cut chisels	364/125-150
2	Chisels	362/125-150

à gr	code	
820	372082	1

372 SV7

Empty metal holder

à gr	code	
219	Q367001	1



374 N

Non-rebound mallets

- Model with interchangeable plastic tips
- Head partially filled with metal pellets to absorb rebound
- Carbon steel body

a mm	b mm	L mm	code	
35	116	310	374004	2
40	125	315	374005	2
50	133	325	374006	2
60	142	335	374007	2

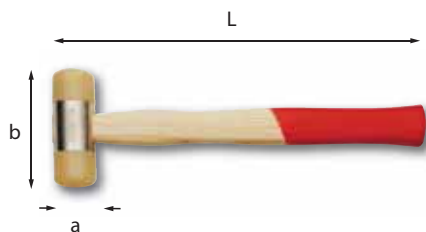


374 NB

Spare pair of plastic tips

- For mallets 374 N

ø tip	code	
35	Q374014	5
40	Q374015	5
50	Q374016	5
60	Q374017	5



376

UNI 7784

Mallets

- Model with interchangeable plastic tips
- Carbon steel body
- Ash wood handle

a mm	b mm	L mm	code	
22	74	250	376001	4
28	88	275	376002	4
35	97	300	376003	4
42	108	325	376004	4
50	112	350	376005	2
60	128	380	376006	2



376 B

Spare pair of plastic tips

- For mallets 376 22÷60 and 377/35

ø tip	code	
22	376201	5
28	376202	5
35	376203	5
42	376204	5
50	376205	5
60	376206	5

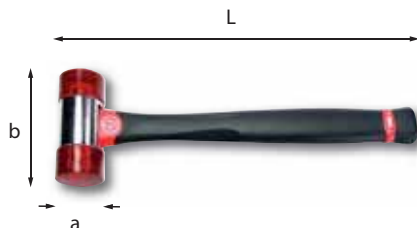


376 E

Spare handles for mallets

- For mallets 376 22÷60 and 377/35

ø tip	code	
22	376101	5
28	376102	5
35	376103	5
42	376104	5
50	376105	5
60	376106	5



376 F

Mallets with graphite handle

- Model with interchangeable tips in cellulose acetate
- Carbon steel body
- Graphite handle

a mm	b mm	L mm	code	
25	80	280	03760012	4
32	92	304	03760013	4
40	100	330	03760014	4
50	119	362	03760015	2

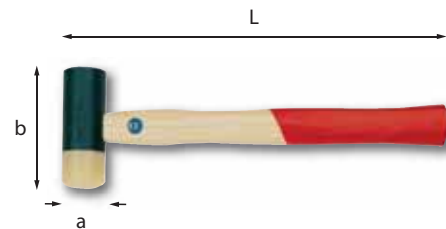


376 FA

Spare pair of plastic tips

- For mallets 376 F 25÷50

ø tip	code	
25	Q03760012	5
32	Q03760013	5
40	Q03760014	5
50	Q03760015	5



377

Mallet

- Model with combination striking surfaces steel and plastic
- Interchangeable tip
- Carbon steel head
- Ash wood handle

a mm	b mm	L mm	code	
35	95	310	377003	2



378

Mallets

- Model with double rounded head in hard rubber
- Ash wood handle

a mm	b mm	L mm	code	
50	90	300	378004	2
60	115	330	378005	2
70	125	380	378006	2



380

UNI 7777 DIN 6475

Sledge hammers

- Double-headed with square flat heads
- Ash wood handle

gr	b mm	L mm	code	
1000	95	260	380002	4
1250	100	260	380003	2
1500	110	280	380004	2
2000	120	300	380005	2



380 AN

Spare handles

- For sledge hammers 380 1000÷2000

gr	code	
1000	Q380002	5
1250	Q380003	5
1500	Q380004	5
2000	Q380005	5



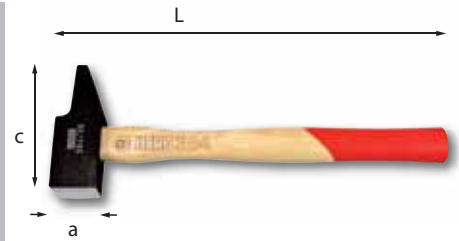
382 F

DIN 1041

Hammers for mechanics with graphite handle

- German model with flat square surface and symmetric peen
- Graphite handle

gr	c mm	L mm	code	
200	95	285	03820102	4
300	105	300	03820103	4
500	118	310	03820105	4
800	130	350	03820107	4
1000	135	355	03820108	4



384

Hammers for mechanics

- French model with flat rectangular head and asymmetric peen
- Ash wood handle

a mm	c mm	L mm	code	
30	92	280	384014	2
42	117	330	384018	2



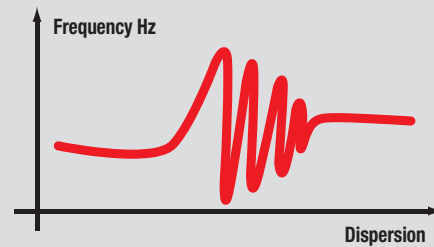
382

UNI 7778 DIN 1041

Hammers for mechanics

- German model with flat square head and symmetric peen
- Ash wood handle

gr	c mm	L mm	code	
100	82	260	382002	8
200	95	280	382004	8
300	105	300	382006	8
400	112	310	382007	8
500	118	320	382008	8
600	122	330	382009	4
800	130	350	382010	4
1000	135	360	382011	4
1500	145	380	382013	4
2000	155	400	382014	2



384 AN

Spare handles

- For hammers 384 30÷42

a mm	code	
42	Q384028	2

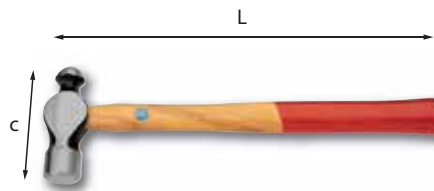


382 EN

Spare handles

- For hammers 382 100÷2000

gr	code	
100	Q382002	5
200	Q382004	5
300	Q382006	5
400	Q382007	5
500	Q382008	5
600	Q382009	5
800	Q382010	5
1000	Q382011	5
1500	Q382013	5
2000	Q382014	5



383 N

UNI 7779

Hammers for mechanics

- American model with flat round head and ball peen
- Hickory handle

gr	c mm	L mm	code	
450	101	350	383012	2
680	121	400	383013	2
910	126	400	383014	2



383 NA

Spare handles

- For hammers 383 N 450÷910

gr	code	
450	383016	5
680	383017	5
910	Q383018	5



390

Copper sledge hammers

- Double-headed with square flat heads
- Ash wood handle

gr	b mm	L mm	code	
300	68	270	390011	2
500	80	270	390012	2
800	90	270	390013	2
1000	100	270	390014	2



390 A

Spare handles

- For sledge hammers 390 300÷1000

gr	code	
300	Q390001	2
500	Q390002	2
800	Q390003	2
1000	Q390004	2

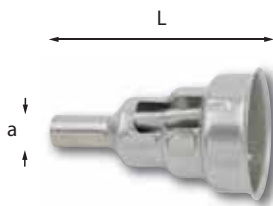


391 N

Heat gun

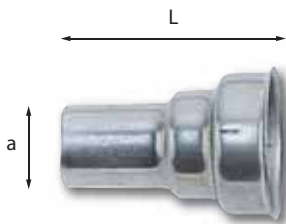
- Model with electronic checking of temperature and air volume by LCD display
- To be used with nozzles 391 A-F
- Adjustable air flow with possibility to blow cold air
- Temperature reading with LCD display
- Possibility to set programs
- Max temperature 650°C
- Air-flow 150÷500 lt/min
- Power 2300 W
- Power supply 220 V

Weight	code	
956 gr	03910011	1



391 A Reduction nozzle

a mm	L mm	code	
10	62	391012	1



391 B Reduction nozzle

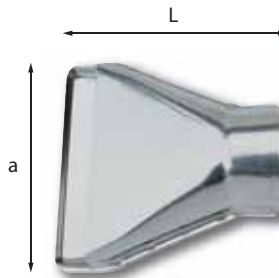
a mm	L mm	code	
21	53	391013	1



391 C Special slit nozzle

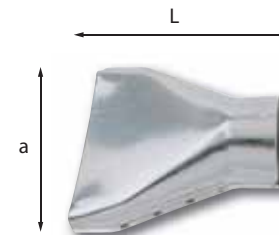
- For use together with reduction nozzle 391 A

a mm	L mm	code	
20	50	391014	1



391 D Wide slit nozzle with deflector

a mm	L mm	code	
80	80	391015	1



391 E Wide slit nozzle

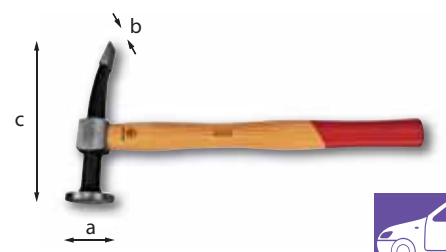
a mm	L mm	code	
80	80	391016	1



391 F Deflector nozzle

- For shrink-sealing cables and sheathing

a mm	L mm	code	
38	60	391017	1



392 Hammer with flat round and curved chisel heads

- Handle in hickory

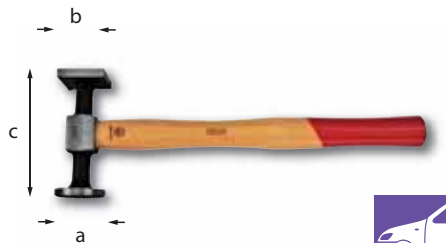
a mm	b mm	c mm	code	
40	19	140	392001	1



393 Hammer with flat round and flat square heads

- Handle in hickory

a mm	b mm	c mm	code	
32	28	104	393001	1



393 ZG Hammers with serrated round and flat square heads

- Handle in hickory

a mm	b mm	c mm	code	
32	28	104	393101	1
40	38	99	393102	1



396 Dolly with round convex and flat head

LxPxH mm	Weight kg	code	
56x56x56	0,8	396001	1



397
Rail shaped dolly

LxPxH mm	kg	code	
76x57x58	1,2	397001	1



400
Hand dolly with two convex heads

LxPxH mm	kg	code	
90x70x125	1,4	400001	1



405
"C" shaped dolly

LxPxH mm	kg	code	
102x72x62	1,6	405001	1



398
Heel shaped dolly

LxPxH mm	kg	code	
83x63x36	1,0	398001	1



401
Comma shaped wedged dolly

LxPxH mm	kg	code	
140x54x55	1,3	401001	1



406
Anvil shaped dolly

LxPxH mm	kg	code	
102x72x62	1,4	406001	1



399
Convex shaped dolly

LxPxH mm	kg	code	
115x56x25	0,8	399001	1



401 A
Large grooved dolly

LxPxH mm	kg	code	
106x65x26	0,8	401101	1



407
Wedge shaped dolly

LxPxH mm	kg	code	
110x62x28	0,8	407001	1



399 ZG
Convex shaped serrated dolly

LxPxH mm	kg	code	
120x58x28	1,2	399101	1



403
Hand dolly with convex round head and peen

LxPxH mm	kg	code	
125x54x44	0,7	403001	1



409
40° curved spoon

L mm	kg	code	
250	0,5	409001	1



410

Double spoon with one flat blade and a curved one

L mm	kg	code	
510	2,2	410001	1



410 C

Double spoon with one curved blade and a flat one

L mm	kg	code	
400	1,7	410101	1



411

Facing narrow body spoon, long model

L mm	kg	code	
390	1,3	411001	1



412

Light curved spoon, short pattern

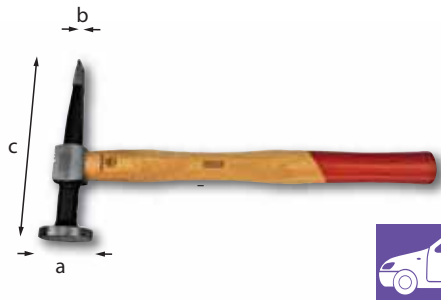
L mm	kg	code	
285	0,8	412001	1



412 B

Flat serrated spoon for thinning out operations

L mm	kg	code	
350	0,7	412002	1

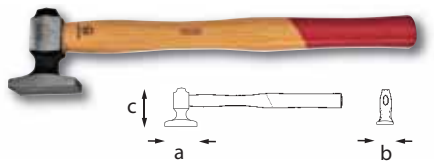


413 B

Hammer with round flat head and horizontal chisel peen

- Handle in hickory

a mm	b mm	c mm	code	
40	19	140	413101	1

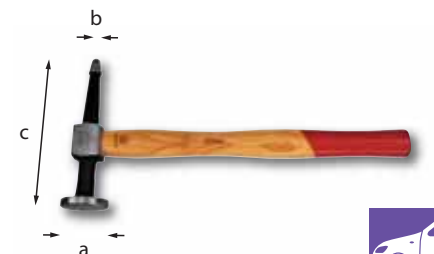


414 A

Hammer with flat rectangular head

- Handle in hickory

a mm	b mm	c mm	code	
48	30	60	414001	1



415 A

Hammer with flat round head and straight pointed peen

- Handle in hickory

a mm	b mm	c mm	code	
40	12	138	415001	1

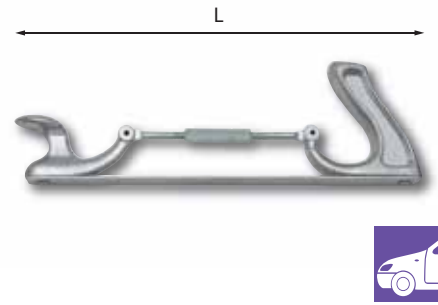


395 AN

Spare handle

(392-393-393ZG-413B-414A-415A)

gr	code	
170	Q395012	5



416 N

Adjustable file holder

- Screw adjustment for matching straight or curved contours
- Adjustable for two lengths: 300 and 350 mm

L mm	code	
360	04160002	1



416 NA

Flat flexible files

- For use with adjustable file holder 416 N

teeth/cm	L mm	cut	code	
3,5	350	standard	Q04160004	5
4,5	350	fine	Q04160005	5



418

Oilers

- Model with retractable rigid metal spout and a screw-type valve in the cap
- Plastic body

capacity cc	code	
30	418001	5
70	418002	5
150	418003	5



419

Oilers

- Pump model with rigid metal spout and plastic body

capacity cc	code	
200	419001	4
300	419002	4
500	419003	4



419 A

Spare spout

à gr	code	
12	419011	5



420

Oilers

- Pump model with flexible metal spout and enamelled sheet steel body
- Ergonomic plastic handgrip

capacity cc	code	
200	420000	4
300	420001	4
500	420002	4



420 A

Spare spout

à gr	code	
26	420010	5



421

Lever operated grease pumps

- Model with automatic grease feed (300 cc) to be filled from a bulk container or from a cartridge
- Feed pressure 400 bar
- Threaded connection for flexible tube M10x1
- Sheet steel body

capacity cc	L mm	code	
300	190	421001	1
500	280	421002	1
800	360	421003	1
1000	400	421004	1



421 A

Head for grease pump

- Model with four-claw gripping tweezers for the "Hydraulic" type grease pumps
- Threaded connection M10x1

à gr	code	
32	421008	2



421 B

Flexible tubes for grease pump

- Flexible nylon tube with a burst pressure of 600 Atm
- Threaded connection M10x1

L mm	code	
300	421006	2
400	421009	2
500	421007	2



421 C

Grease cartridges

capacity cc	code	
400	421012	1
600	421011	1



423 N5

Car body repair set (5 pcs.)

- Supplied in sheet steel case

pcs	description	item/size
1	Hammer with flat round and flat square heads	393/32
1	Convex shaped dolly	399
1	Heel shaped dolly	398
1	Rail shaped dolly	397
1	Dolly with round convex and flat head	396

LxPxH mm	code	
340x190x70	04230080	1



423 N12

Car body repair set (12 pcs.)

- Supplied in sheet steel case

pcs	description	item/size
1	Mallet	376/42
1	Hammer with flat round and flat square heads	393/32
1	Dolly with round convex and flat head	396
1	Rail shaped dolly	397
1	Heel shaped dolly	398
1	Convex shaped dolly	399
1	Dolly with two convex heads	400
1	Comma shaped wedged dolly	401
1	Facing narrow body spoon, long model	411
1	Hammer with round flat head and horizontal chisel peen	413 B
1	Adjustable file holder	416 N
1	Flat flexible file	416 NA/3,5

LxPxH mm	code	
470x310x75	04230081	1



423 N16

Car body repair set (16 pcs.)

- Supplied in sheet steel case

pcs	description	item/size
1	Mallet	376/42
1	Hammer with flat round and curved chisel heads	392/32
1	Hammer with serrated round and flat square heads	393 ZG/32
1	Rail shaped dolly	397
1	Heel shaped dolly	398
1	Convex shaped serrated dolly	399 ZG
1	Dolly with two convex heads	400
1	Hand dolly with convex round head and peen	403
1	"C" shaped dolly	405
1	Anvil shaped dolly	406
1	Double spoon with one flat blade and a curved one	410
1	Double spoon with one curved blade and a flat one	410 C
1	Facing narrow body spoon, long model	411
1	Hammer with flat round head and straight pointed peen	415 A
1	Adjustable file holder	416 N
1	Flat flexible file	416 NA/4,5

LxPxH mm	code	1
600x270x130	04230083	1



424 N1

Lever for windshields

- To be used together with 424 N2 and 424 N3 for removing windshields

L mm	code	1
345	424003	1



424 N2

Handle for windshields

- For car windshield removal

à gr	code	1
107	424004	1



424 N3

Steel wire for windshields (square section)

- For car windshield removal

L mm	code	1
18	424005	1



424 N4

Suction cups for the transport and positioning of windshields

- Swivel suction cups (ø 120 mm) adjustable for straight and curved surfaces

power max Kg	L mm	code	1
80	375	424006	1



424 N5

Belt for windshields

- To be used together with 424 N4 while fitting windshields

L m	belt length mm	code	1
4	25	424007	1



424 N/SE6

Set for bonded windshields (6 pcs)

pcs	description	item/size
1	Lever for windshields	424 N1
1	Handle for windshields	424 N2
1	Steel wire for windshields (square section)	424 N3
2	Suction pads	424 N4
1	Belt for windshields	424 N5

à Kg	code	1
3,3	424083	1



424 TN

Windshield wiper arms puller

- For removing wiper arms without damaging the body

ø capacity max mm	code	1
44	04240020	1



425

Wheel weight pliers

- For fitting and removing wheel balancing weights and for loosening or compressing the retaining springs

L mm	code	1
250	425001	1



425 C

Valve extractor

- For disassemble/assemble tyre inflation valves

L mm	code	1
80	04250003	1



426 A

Trim clip removal pliers

- To extract fasteners securing trims and panels without damaging

L mm	code	1
235	04260002	1



426 B/S5

Kit with 5 tools for plastic elements

- To extract mouldings, fasteners, trim clips from door panels and dashboards
- No damages to plastic parts, gaskets, body

à gr	code	
275	04260006	1



426 C/S4

Set of 4 multi-purpose plastic scrapers

- For removal of counterweights, silicone, plastics, mouldings etc.
- No damage to parts in plastics, gaskets and ceramics
- Can be used with a hammer
- Regrindable with a file
- Length 270 mm
- Blades width 19-22-25-38mm

à gr	code	
600	04260007	1



426 N

Pressure trim clips removal lever

- To extract the fasteners securing trims from panels

L mm	code	
230	04260001	1

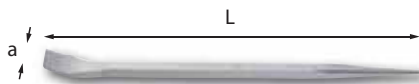


427

Tyre levers

- Double T-section to ensure maximum resistance

L mm	code	
300	427001	5
400	427002	5
500	427003	5
600	427004	5

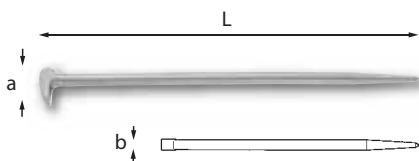


428

Crowbar

- Model with hexagonal section with one pointed end and one curved flat end
- Chrome Vanadium steel

L mm	a mm	code	
400	23	428001	2



429

Rolling head bar

- Model with round section with one pointed end and one 90° angled nail-claw
- Chrome Vanadium steel

L mm	a mm	b mm	code	
400	46	15	429001	2



430

Piston ring compressors

- To hold piston rings steady in their positions while inserting the pistons into the cylinders

n°	capacity Ø mm	code	
1	60÷125	430002	1
2	90÷175	430003	1
2L	90÷175	430004	1



430 C

Piston ring compressors, ratchet-type

- To hold piston rings steady in their positions while inserting the pistons into the cylinders

n°	capacity Ø mm	code	
1	55÷110	04300010	1
2	100÷160	04300011	1



435 A

V-pulley wrench

- Also useful for large-diameter oil filters

Ø mm	code	
40÷140	04350002	1



435 DN

Timing pulley turner wrench

- For PETROL and DIESEL engines

L mm	code	
440	04350006	1



435 E/S5

ISO 1711-1 ISO 691

Set of five bihexagonal ring wrenches for belt tension nuts

- Special steel for high resistance
- Quick system to hook/release the wrench to handgrip
- Bihexagonal opening

mm	code	
13-15-16-17-19	04350011	1



435 FN

Extractor for timing pulleys

- Adjustable arms, suitable for different diameters

capacity mm	code	
90÷110	04350009	1



435 L

Kit for elastic belts

- To assemble self-tensioning belts on fixed axle distance transmissions
- Composed by two installer tools and three pins

LxPxH mm	à gr	code	
222x80x35	400	04350100	1



435 TBN

Multi-groove pulley extractor

- Adjustable claws
- Groove pitch: 3,56 mm.

capacity mm	code	
45÷175	04350031	1



435 V

Universal pulley block

- For PETROL and DIESEL engines
- To hold timing pulleys of engines with single or double camshaft and for diesel injection pumps

LxPxH mm	code	
270x185x90	04350040	1



436

Universal belt-tension gauge

- To perform tension checks of belts (timing, alternator and air-conditioning) regardless of the manufacturer
- A sensor measures the belt vibration frequency (Hz) (caused by the touch of a finger)
- Supplied with guide of reference values to be compared with the measurement that appears on the display

LxPxH mm	code	
320x270x60	04360001	1



437

Piston ring pliers

- Model with specially shaped jaws for assembling and disassembling piston rings

n°	capacity Ø mm	code	
1	55÷100	437102	1
2	80÷120	437103	1
3	110÷160	437104	1



438 N

Slide-hammer valve lifter

- For removing valve springs
- The slide hammer is used to free split collets

capacity mm	L mm	code	
130	390	04380003	1



438 NA1

Collet clamp for engines 16V

- For use with 438 N

à gr	code	
75	Q04380003	1

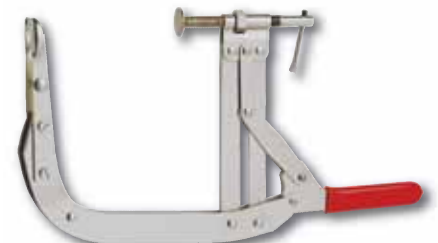


438 P

Pneumatic tool for assembling and disassembling engine valves

- Universal (PETROL and DIESEL engines)
- Max push: 75 Kg at 6 bar, 100 Kg at 8 bar
- Supplied in plastic case 480x380x135mm

capacity mm	code	
250	04380006	1



438/1

Valve lifter clamp

- For fitting and removing valve springs
- Screw adjustment model, straight clamps

capacity mm	L mm	code	
75÷225	380	438001	1



439 M

Valve grinder

- Suction pads Ø 19 and 22 mm

L mm	code	
225	04390003	1



439 P

Air-operated valve grinder

- Air supply pressure 8 bar
- Adjustable oscillation rate: 250÷3000/min
- Supplied with 3 suction pads: Ø 22, 33, 45 mm

à gr	code	
800	04390010	1



439 PA

Suction pads

Ø mm	code	
22	Q04390010	1
33	Q04390012	1
45	Q04390013	1



441 E

Steady-spring tool

- Fits steady-spring caps for compression against drum-brake shoes
- All makes

L mm	Ø mm	code	
240	34	04410009	1



441 F

Hand-brake pliers

- For easy hook-up of hand-brake cable

L mm	code	
230	441005	1



441/0

Brake spring pliers

- For attaching or detaching the retracting springs of drum brakes with bonded brake-shoes on cars
- Knurled and hinged anchor-plate

L mm	code	
225	441000	1



441/1

Brake spring pliers

- For attaching or detaching the retracting springs of drum brakes with riveted brake-shoes on cars

L mm	code	
220	441001	1



441/2

Brake spring pliers

- For attaching or detaching the retracting springs of drum brakes with bounded brake-shoes on cars
- Serrated and hinged anchor-plate

L mm	code	
345	441002	1

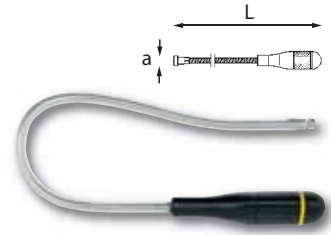


441/3

Brake spring pliers

- For attaching or detaching the retracting springs of drum brakes with bonded brake-shoes on industrial vehicles
- Knurled and hinged anchor-plate

L mm	code	
490	441003	1



442 N

Flexible retrievers with magnetic head

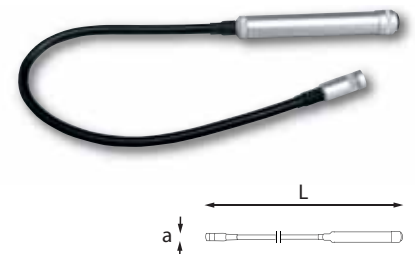
n°	capacity max Kg	a mm	L mm	code	
0	0,4	8	465	442004	2
1	1,4	12	525	442005	2
2	4	19	525	442006	2



442 AN

Spare magnets

n°	code	
0	Q442030	5
1	Q442031	5
2	Q442032	5



442 L

Flexible retriever with magnet and LED

- LED for locating screws and small items
- Powered by two AA batteries

L mm	capacity max Kg	a mm	code	
600	1	13,7	04420006	1



442 T
Telescopic retriever with articulated magnet

- For recovering magnetizable items from inaccessible places
- Brass rod with pocket clip

L mm	capacity max gr	a mm	code	
630	700	18	442011	1



443 B
Metallic strap wrench for oil filters (cars)

capacity Ø mm	L max mm	code	
65±105	290	04430013	1

443 BC
Metallic strap wrench for oil filters (industrial vehicles)

capacity Ø mm	L max mm	code	
105±145	300	04430015	1



443 BA
Spare strap

capacity Ø mm	code	
65±105	Q04430013	1

443 BCA
Spare strap

capacity Ø mm	code	
105±145	Q04430015	1



443 F
Metallic strap wrench for oil filters

capacity Ø mm	L max mm	code	
60±106	235	443003	1



443 N
Fast oil-filter wrench (cars)

- Automatic belt clamping
- Lever to increase clamping power for perfect grip on the filter
- Articulated jaws for gripping the filter and having a ratchet effect
- Stainless steel strap
- Handle (160 mm) in high resistant plastic material (hydrocarbons, bumps)

capacity Ø mm	L max mm	code	
66±105	290	04430005	1



443 NA
Spare strap

capacity Ø mm	code	
66±105	Q04430011	1



443 NC
Fast oil-filter wrench (industrial vehicles)

- Same features as item 443 N
- Capacity: Ø 106±150

capacity Ø mm	L max mm	code	
106±150	345	04430007	1



443 NCA
Spare strap

capacity Ø mm	code	
106±150	Q04430017	1



444
Strap wrench for oil filters

capacity Ø mm	L mm	code	
60±140	225	444001	5



444 A
Spare strap

capacity Ø mm	code	
60±140	444101	5



445
Articulated chain wrench for oil filters

capacity Ø mm	L mm	code	
60±110	225	445001	1



445 A
Spare chain

capacity Ø mm	code	
60±110	445002	1



1/2

445 K
Chain wrench for oil filters (with socket)

capacity Ø mm	code	
50÷110	04450010	1



3/8

446
Cap wrenches for oil filters

n°	sides	code	
65	14	04461030	1
66,5	14	04461031	1
74	8	04461034	1
74A	14	04461035	1
74B	15	04461036	1
79	15	04461039	1
89	15	04461041	1
92A	15	04461044	1



3/8

446 A
Self-gripping oil-filter wrench (cars)

capacity Ø mm	code	
65÷120	04460003	1



1/2

446 C
Self-gripping oil-filter wrench
(industrial vehicles)

capacity Ø mm	code	
95÷165	04460005	1



446 H
Fuel gauge remover

- Opening regulation by baffle plate
- Three driving "forks" to transmit the right couple without any damage of the plastic ring-nut
- Compact and adjustable "forks" to work in limited spaces and to adapt the tool on new vehicles

capacity Ø mm	code	
88÷170	04460008	1



1/2

446 M
Tool for Multijet diesel filter

- Supplied with:
- 1/2" drive for torque wrench
 - Adapter for bench vice

weight gr	code	
525	04460011	1



3/8

446 T
Cap wrenches for oil filters and diesel Purflux

Ø filter mm	notches	code	
66	6	04461016	1
76	6	04461018	1
86	9	04461020	1
96	9	04461022	1



447
Pressers for shock absorber springs

- For fitting or disassembling coil springs on car shock absorbers
- Double hook and antislip locking screw

capacity max mm	L mm	code	
270	365	447000	1



447 T CE

2006/42/CE

Universal pneumatic shock absorber dismantler

- UNIVERSAL: can be used on cars, commercial vehicles, off-road vehicles and minivans
- SELF-LEVELLING SYSTEM: the two upper arms fit also into conical and disaligned springs
- SELF-LUBRICANT BUSHES: no need of lubricating and/or greasing on sliding columns
- COMPLIANCE MACHINE DIRECTIVE 2006/42/CE. The safety device allows the operator to work safely, without hindrances during the different working phases. Piston stop device in case of grid opening.
- Supplied with lower brackets 447 TC1 (78÷130mm) and 447 TC2 (125÷205mm), vice 447 TA and universal upper clamps 447 TB1
- Compact dimensions for easy installation in the shop

characteristics

Compression power	735 Kg (6 bar), 1226 Kg (10 bar)
Working power	6÷10 bar
Piston stroke	420 mm
Cylinder	Aluminium alloy and nylon resin
Lower brackets/vice	Quick coupling/release

LxPxH mm	code	img
470x450x1390	04470101	1



447 TB2

Upper clamps for HONDA and TOYOTA cars

kg	code	img
1	Q04470103	1



447 TF

Kit for MERCEDES

- Composed by upper bracket and average bracket pressing the spring (105÷182 mm)

kg	code	img
1,4	Q04470111	1



447 TG

Upper Bracket for PORSCHE CAYENNE, VW TOUAREG

kg	code	img
3,2	Q04470112	1



449

Ball-joint extractors

- For extracting ball joints from steering wheel and suspensions

capacity Ø mm	a mm	code	img
16	45	449002	1
22	45	449001	1
32	80	449003	1

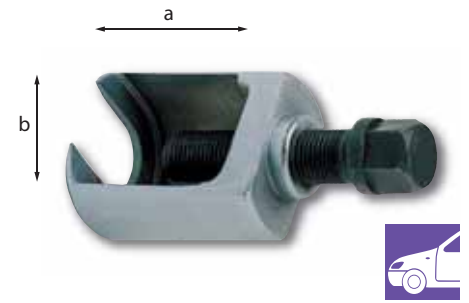


449 ID

Hydraulic ball joints separator

- For extracting ball-joints from steering wheel and suspensions on industrial vehicles

capacity max Ø mm	power ton	a mm	code	img
36	8	65	04490009	1

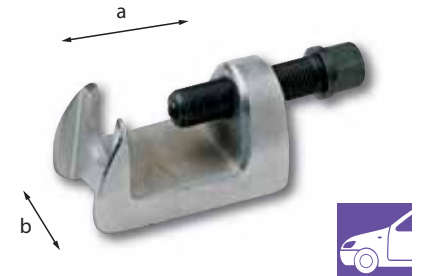


449/1

Ball-joint separators

- For removing steering and suspension ball-joints

capacity Ø mm	a mm	b mm	code	img
16÷18	40	40	04490004	1
20÷22	40	40	04490006	1



449/2

Ball-joint separators

- For removing steering and suspension ball-joints

capacity Ø mm	a mm	b mm	code	img
16÷18	50	45	04490014	1
20÷22	50	45	04490016	1



449/3

Extractor for universal steering rod pins

- To extract spherical joint pins on steering rods
- Particularly suitable for IVECO vehicles

capacity Ø mm	a mm	b mm	code	img
26	65	70	04490030	1



449/4

Extractor for universal steering rod pins

- To extract spherical joint pins on steering rods
- Particularly suitable for IVECO vehicles

capacity Ø mm	a mm	b mm	code	
41,5	65	88	04490040	1



450

Puller for wheel hubs

- Model with four oscillating removable legs for detaching wheel hubs from cars

capacity max Ø mm	depth max mm	code	
225	110	450002	1



450 A

Spare leg

Ø gr	code	
500	450101	1



451 N

Outside pullers with three jaws

- Model with self-locking jaws
- Safety pin
- Working screw with 18 mm hexagonal drive
- Possibility of using with two jaws
- Carbon steel pressure screw
- Chrome Vanadium steel body
- Chrome plated and burnished finish

n°	power t	a mm	b mm	code	
1	3	7÷140	147	04510005	1
2	4	10÷180	200	04510006	1
3	4	20÷260	250	04510007	1



451 NA

Spare jaws

n°	code	
1	Q04510001	1
2	Q04510002	1
3	Q04510003	1



451 NT

Inside pullers with three jaws

- Model with self-locking jaws
- Safety pin
- Working screw with 18 mm hexagonal drive
- Possibility of using with two jaws
- Carbon steel pressure screw
- Chrome Vanadium steel body
- Chrome plated and burnished finish
- Extraction capacity for 451 NT1 (23÷55mm and for 451 NT2 (30÷55mm) only if combined with beating mass 468 E2

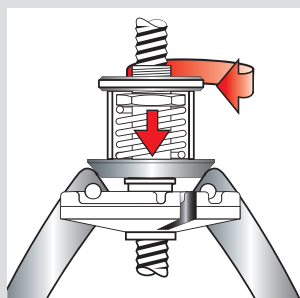
n°	a mm	b mm	code	
1	23÷130	140	04510015	1
2	30÷170	190	04510016	1



451 NTA

Spare jaws

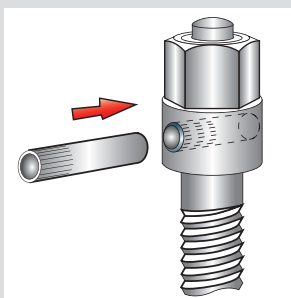
n°	code	
1	Q04510007	1
2	Q04510008	1

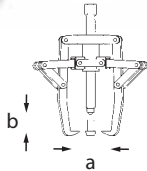


Pullers 451 N and 451 NT safety and simplicity of use

The innovative self-centering and self-tightening system allows for easier positioning and greater speed as well as added simplicity of use.

Should the maximum torsion level be exceeded, the breaking of a metal pin guarantees the safety of the user and the tool.





452

Outside pullers with three jaws

- Model with self-locking jaws
- Carbon steel pressure screw
- Chrome Vanadium steel body
- Zinc Chrome plated and burnished finish
- Sizes 5 and 6 can be transformed from mechanical to hydraulic pullers by replacing the pressure screw by hydraulic screw 452 IB

n°	a mm	b mm	mm	code	
1	85	70	14	452010	1
2	130	110	17	452011	1
3	230	170	24	452012	1
4	300	240	24	452013	1
5	420	240	32	452014	1
6	680	295	32	452015	1

452 I

Hydraulic outside pullers with three jaws

- Model with self-locking jaws and hydraulic pressure screw for rapid and effortless extractions
- Working screw with 17 mm hexagonal drive
- Chrome Vanadium steel body
- Zinc Chrome plated and burnished finish

n°	power t	a mm	b mm	code	
5	20	420	240	452201	1
6	20	680	295	452202	1



452 A

Spare jaws

- For 452 and 452 I

n°	code	
1	452120	1
2	452121	1
3	452122	1
4	452123	1
5	452124	1
6	452125	1

452 B

Spare pressure screws

n°	code	
1	452130	1
2	452131	1
3	452132	1
4	452133	1
5	452134	1
6	452135	1

452 IB

Spare hydraulic pressure screw

n°	code	
5-6	452307	1



454

Outside pullers with two jaws

- Model with sliding jaws
- Bar with tightening hexagon
- Jaws with small claws
- Carbon steel pressure screw
- Chrome Vanadium steel
- Chrome plated and burnished finish

n°	a mm	b mm	mm	code	
0	65	70	13	04540000	1
1	90	110	17	04540010	1
2	130	110	17	04540020	1
3	175	165	17	04540030	1
4	220	165	17	04540040	1
5	270	220	21	04540050	1
6	340	220	21	04540060	1



454 A

Spare jaws

n°	code	
0	Q04540001	1
1-2	Q04540011	1
3-4	Q04540031	1
5-6	Q04540051	1

454 B

Spare screws

n°	code	
0	Q04540002	1
1-2	Q04540012	1
3-4	Q04540032	1
5-6	Q04540052	1



454 S7

Set of seven pullers (454/0÷6)

- Supplied with sheet steel display stand

kg	code	
21	04540100	1

454 N/SV7

Empty metal display stand

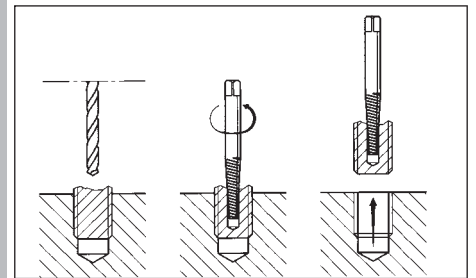
gr	code	
1750	Q454100	1



458

Conical extractors for broken bolts and stud bolts

- For removing broken stud bolts without surface to grip
- Special Chrome Vanadium steel
- Satin and burnished finish



n°	M	Ø hole mm	a mm	code	
1	3÷4	1,8	1,4	458001	5
2	5÷7	3,2	2,1	458002	5
3	8÷10	4,5	3,1	458003	5
4	11÷14	6,5	4,8	458004	5
5	16÷18	8,5	6,2	458005	5
6	18÷24	11,8	9,4	458006	5
7	24÷33	15,3	12,7	458007	5
8	33÷45	20	17,5	458008	5



458 B

Pullers for damaged nuts and screws

- Helicoidal conic flower profile
- Exceptional grip on damaged nuts
- High resistance steel
- Phosphatized finish
- Square drive 3/8" (8-10-11-12-13-14mm)
- Square drive 1/2" (15-16-17-18-19mm)
- Length 32mm

n°	b mm	code	1
8	12,5	04580108	1
10	15	04580110	1
11	16,5	04580111	1
12	18	04580112	1
13	19	04580113	1
14	20,5	04580114	1
15	22,5	04580125	1
16	23,5	04580126	1
17	25,5	04580127	1
18	26,5	04580128	1
19	27,5	04580129	1



458 BK1/S11

Set of eleven pullers for damaged nuts

- Supplied with sheet slide
- Square drive 3/8" (8-10-11-12-13-14mm)
- Square drive 1/2" (15-16-17-18-19mm)

gr	code	1
722	04580311	1



458 S5

Set of five conical extractors (458/1÷5)

- Supplied in plastic box

gr	code	1
125	458011	1

458 S6

Set of six conical extractors (458/1÷6)

- Supplied in plastic box

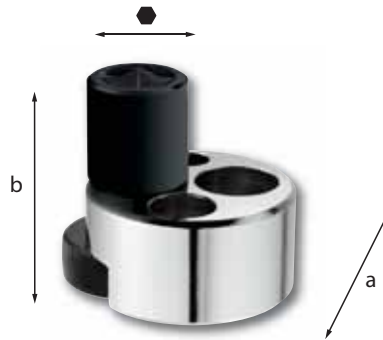
gr	code	1
230	458012	1

458 S8

Set of eight conical extractors (458/1÷8)

- Supplied in plastic box

gr	code	1
720	458013	1



459

Cam-type puller for stud bolts

- Model with female square drive 1/2" for inserting or extracting stud bolts
- Special Chrome Vanadium steel
- Chrome plated and burnished finish

capacity Ø mm	axb mm	code	1
5÷20	52x54	459001	1



459 A

Spare roller

gr	code	1
60	459011	1



459/1

Roller-type pullers for stud bolts

- For inserting or extracting stud bolts without damaging the threads
- 1/2" female square drive
- Hexagonal drive 22 mm
- Special Chrome Vanadium steel
- Chrome plated finish

M	a mm	L mm	code	1
6	25	65	459012	1
7	25	65	459013	1
8	25	65	459014	1
10	29	75	459016	1
12	29	75	459019	1
14	34	75	459021	1
16	34	75	459023	1



459/1 S4

Set of four roller-type pullers

- (459/1 M6-M8-M10-M12)
- Supplied in sheet steel box

LxPxH mm	code	1
235x90x35	459183	1

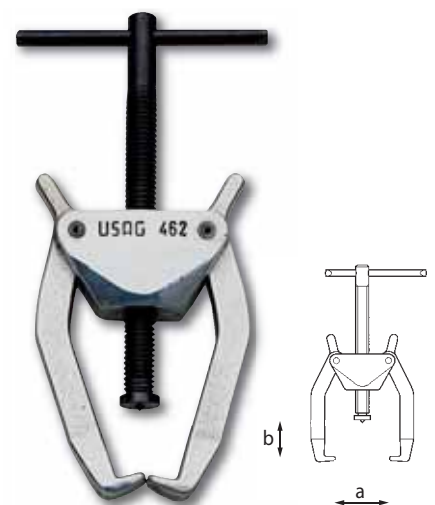


460 A

Set of extractors for stud bolts

- Stud bolt capacity Ø 6÷14 mm
- Supplied in plastic box

LxPxH mm	code	1
165x130x25	04600080	1



462

Outside puller with two jaws

- Model with oscillating jaws and self-tightening spring
- Carbon steel pressure screw and body
- Zinc Chrome plated and burnished finish

a mm	b mm	code	1
60	40	462001	1



466 N Hydraulic jack

- Universal model to insert between the pressure screw of the puller and the hub when developing high force is required
- Safety pin against accidental overload (breaking load 110 Nm)
- Carbon steel body
- Zinc Chrome plated and burnished finish
- Supplied with two safety pins

t	axL mm	mm	code	
30	35x260	19	466002	1



468 D Supports for expansion pullers

- Model with sliding legs for use in combination with pullers 468 C
- Carbon steel pressure screw and legs
- Special Chrome Vanadium steel body
- Zinc Chrome plated and burnished finish
- 468 D2 and D3 supplied with adapter 468 F1 (M16 1/2")

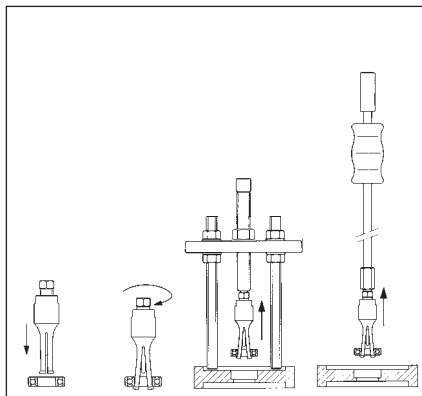
n°	468 C	a mm	b mm	code	
1	1÷4	30÷100	M8	04680025	1
2	5÷9	40÷110	M16	04680026	1
3	5÷9	70÷200	M16	04680027	1



468 C Inside expansion pullers

- Conically expanding model for use in combination with support 468 D or slide hammer 468 E
- Special Chrome Vanadium steel
- Burnished finish

n°	a mm	b mm	mm	code	
1	(Ø 6÷8)	M8	12	04680011	1
2	(Ø 8÷10)	M8	12	04680012	1
3	(Ø 10÷13)	M8	12	04680013	1
4	(Ø 13÷18)	M8	12	04680014	1
5	(Ø 18÷22,5)	1/2"	17	04680015	1
6	(Ø 22,5÷30)	1/2"	17	04680016	1
7	(Ø 30÷38)	1/2"	22	04680017	1
8	(Ø 38÷50)	1/2"	32	04680018	1
9	(Ø 50÷60)	1/2"	32	04680019	1



468 E Slide hammers

- For use in combination with pullers 468 C
- Carbon steel body
- Chrome plated and burnished finish
- 468 E2 supplied with adapter 468 F1 (M16 1/2")

n°	468 C	b mm	mass Kg	code	
0	1÷4	M8	0,2	04680031	1
1	5÷9	1/2"	1	04680032	1
2	5÷9	M16	1,6	04680033	1



468 KS7 Assortment in sheet steel case

pcs	description	item/size
2	Supports for expansion pullers	468 D/1-3
5	Inside expansion pullers	468 C/3÷7

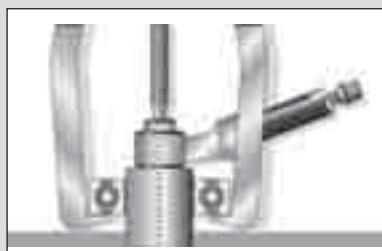
LxPxH mm	capacity mm	code	
470x310x75	(Ø 10÷38)	04680100	1

468 KS11 Assortment in sheet steel case

pcs	description	item/size
2	Supports for expansion pullers	468 D/1-3
9	Inside expansion pullers	468 C/1÷9

LxPxH mm	capacity mm	code	
470x310x75	(Ø 10÷60)	04680101	1

Hydraulic jack 466 N



Usage

Correctly align the load and secure a good axis



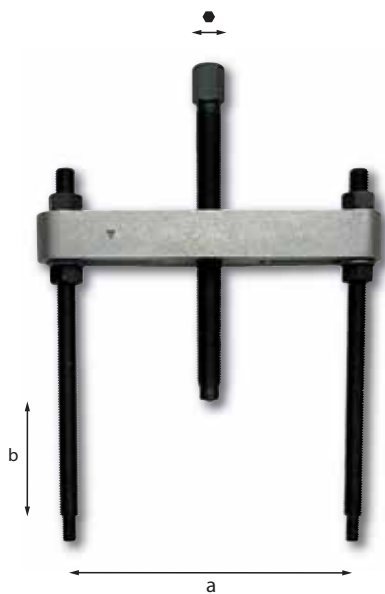
Piston Overthrust

When the allowed torsion is exceeded, the safety pin breaks



Piston repositioning

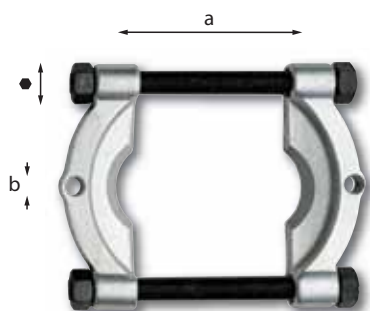
Release the pressure by unscrewing and repositioning the piston using lock-grip pliers or a vice



472 Bar-type pullers for separators

- Model with sliding legs for use in combination with separators 472 A
- Carbon steel pressure screw and legs
- Special Chrome Vanadium steel body
- Zinc Chrome plated and burnished finish

n°	a mm	b mm	mm	code	
1-2	45÷130	130	17	472001	1
3	85÷200	210	22	472002	1
4	100÷250	300	22	472003	1
5	150÷330	360	32	472004	1



472 A Separators

- For extracting parts which do not allow use of traditional extractors. Inserted between the object and its mounting, creates distance between the parts. The extraction can then be completed by connecting the separator to a bar-type puller 472
- Carbon steel pressure screws
- Special Chrome Vanadium steel body
- Zinc Chrome plated and burnished finish

n°	a mm	b mm	mm	code	
1	10÷60	M12	17	472101	1
2	15÷75	M12	19	472102	1
3	30÷115	M16	24	472103	1
4	40÷150	M20	30	472104	1
5	60÷210	M20	36	472105	1



485 Clutch disk aligner

- Supplied with three expansion pliers 485 R (A-B-C)

capacity mm	code	
14,5÷25	485001	1



485 R Spare expansion pliers (for 485)

n°	capacity mm	code	
A	14,5÷18	485003	1
B	18÷21	485004	1
C	22÷25	485005	1



490 Nut splitters

- For splitting and removing seized nuts without damaging the screws
- Carbon steel wedge
- Special Chrome Vanadium steel body
- Chrome plated and burnished finish

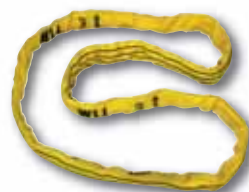
n°	mm	a mm	mm	code	
1	5÷10	22	12	490001	2
2	8÷16	30	14	490002	2
3	16÷24	45	19	490003	2
4	19÷27	57	21	490004	2



493 A Two-ply webslings

- Security coefficient 7:1
- Combination of colours and raising power according to the norms EN 1492-1

power max ton	L m	code	
1	2	04930002	1
1	3	04930003	1
1	4	04930004	1
1	5	04930005	1
1	6	04930006	1
2	2	04930012	1
2	3	04930013	1
2	4	04930014	1
2	5	04930015	1
2	6	04930016	1
3	2	04930022	1
3	3	04930023	1
3	4	04930024	1
3	5	04930025	1
3	6	04930026	1



493 B Roundslings

- Structure with wear resistant sheath
- Security coefficient 7:1
- Combination of colours and raising power according to the norms EN 1492-2


power max ton	L m	code	
1	1	04930052	1
1	1,5	04930053	1
1	2	04930054	1
1	2,5	04930055	1
1	3	04930056	1
2	1	04930062	1
2	1,5	04930063	1
2	2	04930064	1
2	2,5	04930065	1
2	3	04930066	1
3	1	04930072	1
3	1,5	04930073	1
3	2	04930074	1
3	2,5	04930075	1
3	3	04930076	1



493 C

Anchorage


- Belt width 35 mm
- Ratchet-type tensioner 35 mm
- Anchorage charge 1000 N
- Hook
- Reference norm EN 12195-2

L	code	
(35 mm x 4 m)	04930102	1
(35 mm x 6 m)	04930103	1

493 C1

Anchorage


- Belt width 50 mm
- Ratchet-type tensioner 50 mm
- Anchorage charge 2000 N
- Hook
- Reference norm EN 12195-2

L	code	
(50 mm x 8 m)	04930104	1
(50 mm x 10 m)	04930105	1

493 C2

Anchorage

- Belt width 50 mm
- Ratchet-type tensioner 50 mm
- Anchorage charge 2000 N
- Hook
- Reference norm EN 12195-2

L	code	
(50 mm x 8 m)	04930106	1
(50 mm x 10 m)	04930107	1



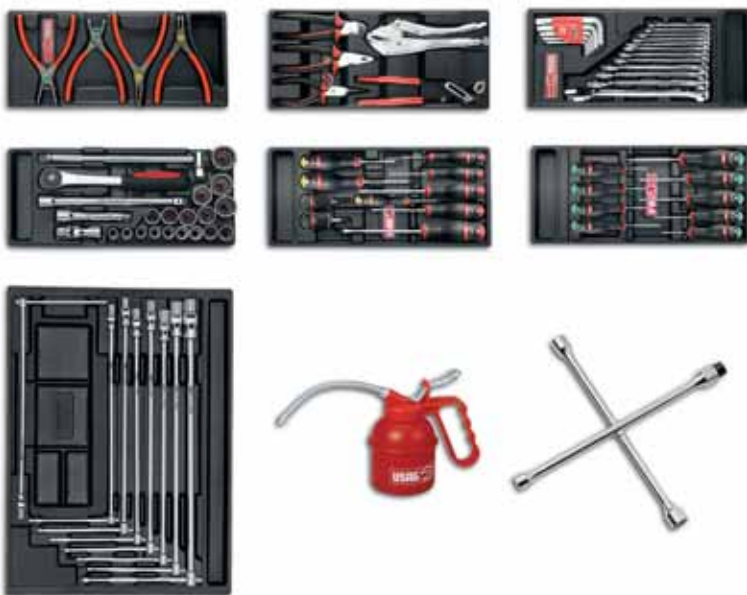


495 B

Basic assortment (64 pcs.) - 2 drawers

pcs	description	item/size
4	Module with pliers for circlips 19÷60	519/127N
5	Module with combination pliers, long nose pliers, adjustable pliers, lock-grip pliers, cutting nippers	519/150A
21	Module with combination wrenches (7÷24) and angled hexagon keys (1,5÷10)	519/285A
10	Module with screwdrivers for slot-head and Phillips® screws	519/324H
2	Module with hammer and mallet	519/382
22	Module with 1/2 hexagonal sockets with ratchet and accessories	519/613CN

kg	code	img
10,3	04950001	1



495 A1

Assortment for car repair (81 pcs.) - 3 drawers

pcs	description	item/size
1	Cross-type wheel nut wrench (cars and light industrial vehicles)/17x19x22x1/2"	272
1	Oiler	420/300
4	Module with pliers for circlips 19÷60	519/127N
5	Module with combination pliers, long nose pliers, adjustable pliers, lock-grip pliers, cutting nippers	519/150A
8	Module with T-handle wrenches with jointed hexagonal socket	519/276
21	Module with combination wrenches (7÷24) and angled hexagon keys (1,5÷10)	519/285A
10	Module with screwdrivers for slot-head and Phillips® screws	519/324H
9	Module with screwdrivers for Torx® screws (T6÷T30)	519/324TX
22	Module with 1/2 hexagonal sockets with ratchet and accessories	519/613CN

kg	code	img
13	04950011	1

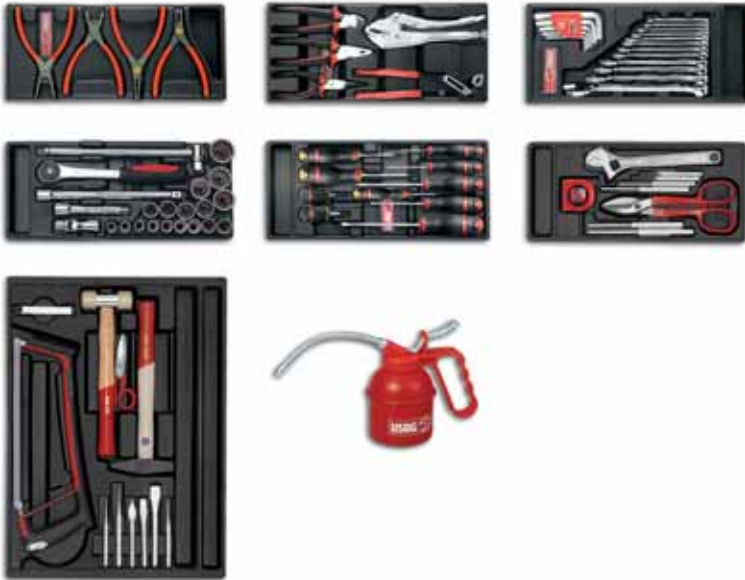


495 A2

Assortment for car repair (119 pcs.) - 5 drawers

pcs	description	item/size
1	Cross-type wheel nut wrench (cars and light industrial vehicles)/17x19x22x1/2"	272
1	Oiler	420/300
4	Module with pliers for circlips 19÷60	519/127N
5	Module with combination pliers, long nose pliers, adjustable pliers, lock-grip pliers, cutting nippers	519/150A
11	Module with hacksaw frame, hammer, mallet, scissors and chisels	519/200I
22	Module with sockets bits for Allen and Torx® screws	519/234C
8	Module with T-handle wrenches with jointed hexagonal socket	519/276
8	Module with T-handle hexagon keys	519/280T
21	Module with combination wrenches (7÷24) and angled hexagon keys (1,5÷10)	519/285A
6	Module with combination wrenches (6-15-16-18-27-30)	519/285B
10	Module with screwdrivers for slot-head and Phillips® screws	519/324H
22	Module with 1/2 hexagonal sockets with ratchet and accessories	519/613CN

kg	code	img
19,5	04950012	1

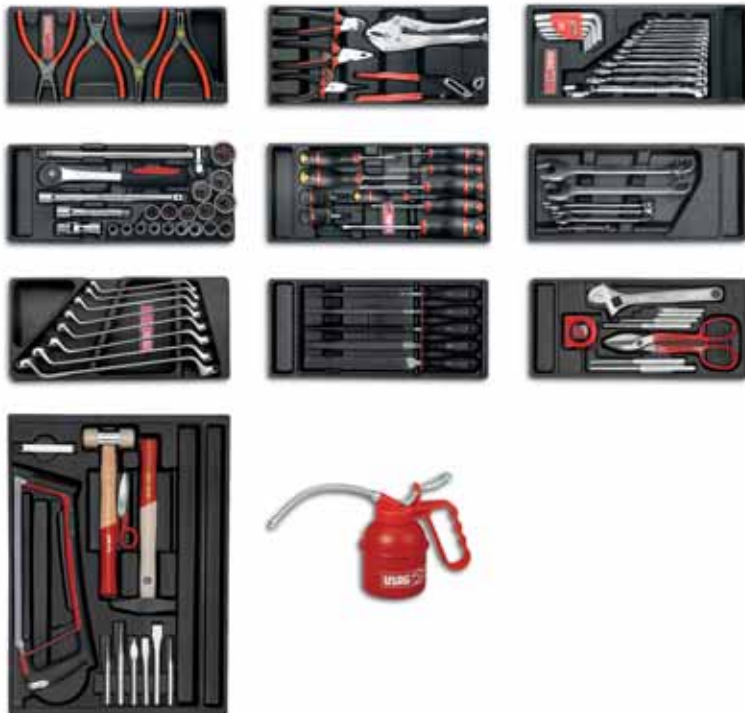


495 I1

Assortment for industrial maintenance (83 pcs.) - 3 drawers

pcs	description	item/size
1	Oiler	420
4	Module with pliers for circlips 19÷60	519/127N
5	Module with combination pliers, long nose pliers, adjustable pliers, lock-grip pliers, cutting nippers	519/150A
11	Module with hacksaw frame, hammer, mallet, scissors and chisels	519/200I
21	Module with combination wrenches (7÷24) and angled hexagon keys (1,5÷10)	519/285A
9	Module with adjustable wrench, shears, tape rule and pin punch	519/294
10	Module with screwdrivers for slot-head and Phillips® screws	519/324H
22	Module with 1/2 hexagonal sockets with ratchet and accessories	519/613CN

kg	code	img
12	04950021	1



495 I2

Assortment for industrial maintenance (101 pcs.) - 4 drawers

pcs	description	item/size
1	Oiler	420
4	Module with pliers for circlips 19÷60	519/127N
5	Module with combination pliers, long nose pliers, adjustable pliers, lock-grip pliers, cutting nippers	519/150A
11	Module with hacksaw frame, hammer, mallet, scissors and chisels	519/200I
8	Module with double ended offset bihexagonal ring wrenches (6x7÷20x22)	519/283NA
21	Module with combination wrenches (7÷24) and angled hexagon keys (1,5÷10)	519/285A
6	Module with combination wrenches (6-15-16-18-27-30)	519/285B
9	Module with adjustable wrench, shears, tape rule and pin punch	519/294
10	Module with screwdrivers for slot-head and Phillips® screws	519/324H
22	Module with 1/2 hexagonal sockets with ratchet and accessories	519/613CN
5	Module with second cut files	519/990


kg	code	img
15	04950022	1



496 A1

Basic assortment (47 pcs.)

pcs	description	item/size
1	Combination pliers	150 B/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Diagonal cutting nippers	185 B/160
1	Hacksaw	200 S
1	Scissors for electricians	207 A
8	Hexagonal sockets/ (10÷14)-17-19-22	235 1/2" EN
2	Extensions/125 - 250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
9	Set of nine keys/1,5-2-2,5-3-4-5-6-8-10	280 S9
12	Combination wrenches/(6÷14)-17-19-22	285
4	Screwdrivers for slot-head screws/ 0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
1	Mallet	376/35
1	Hammers for mechanic	382/500

Kg	code	
5	04960005	1

Recommended containers



530 V




643 V



496 A2

Basic assortment (73 pcs.)


pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 B/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Diagonal cutting nippers	185 B/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
2	Extensions/125 - 250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
9	Set of nine keys/1,5-2-2,5-3-4-5-6-8-10	280 S9
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
1	Reversible screwdriver for slot-head and PHILLIPS® screws	322 R
4	Screwdrivers for slot-head screws/0,5x3x75 324 - 0,8x4x100 - 1x5,5x125 - 1,2x6,5x150	324
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	420/500

Kg	code	
14	04960007	1

496 AP2

Basic assortment (66 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 B/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Diagonal cutting nippers	185 B/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
15	Bihexagonal sockets/ (3/8÷1 1/4")	235 1/2" PN
2	Extensions/125 - 250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
8	Set of eight keys/(1/16÷1/4")	280 P/SE8
13	Set of thirteen combination wrenches/(1/4÷1")	285 P/SE13
1	Reversible screwdriver for slot-head and PHILLIPS® screws	322 R
4	Screwdrivers for slot-head screws/0,5x3x75 324 - 0,8x4x100 - 1x5,5x125 - 1,2x6,5x150	324
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	420/500

Kg	code	
13	04960008	1

Recommended containers



525 V



526 V



646/5V




496 B1

Assortment for car repair (86 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Scissors for electricians	207 A
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
2	Extensions/125-150	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE
2	T-handle spark plug wrenches with jointed socket/16-20,8	278 N
9	Set of nine keys/(1,5-2-2,5-3-4-5-6-8-10)	280 S9
17	Set of seventeen combination wrenches/(6÷22)	285 SE17

pcs	description	item/size
4	Screwdrivers for slot-head screws/0,5x3x75- 0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/ 1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	420/500
1	Thickness gauges	966/19 L

kg	code	
15	04960015	1

Recommended containers



654 V



521 RX



519 R



518 SX



513 BX




496 B2

Assortment for car repair (135 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Scissors for electricians	207 A
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
3	Long hexagonal sockets with thin walls/17-19-21	235 1/2" MLS
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
13	Set of thirteen wrenches/(6x7÷30x32)	252 N/SR13
5	Set of five wrenches/ (10x12-11x13-14x17-16x18-19x22)	258 N/SE5
6	Set of oil plug wrenches (6 pcs)	263/S6
1	Cross-type wheel nut wrenches (17x19x22x1/2)	272/3
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE
3	Spark plug sockets/16-18-20,8	279 N
9	Set of nine keys/(1,5-2-2,5-3-4-5-6-8-10)	280 S9

pcs	description	item/size
4	Combination wrenches/24-27-30-32	285
17	Set of seventeen combination wrenches/ (6÷22)	285 SE17
4	Screwdrivers for slot-head screws/0,5x3x75- 0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/ 1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
7	Screwdrivers for TORX screws/(T10÷T40)	324 TX
1	Ribbed chisel	351/200
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Mallet	376/35
2	Hammers for mechanics	382/300-500
1	Oiler	420/500
1	Flexible retriever with magnetic head	442 N/1
1	Thickness gauges with long blades	966 L/160
5	Set of five files (90 M PA÷M PE)	990 M2/SE5

kg	code	
27	04960017	1

Recommended containers



526 V



519 R



518 SX



513 BX


496 BP2

Assortment for car repair (127 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Scissors for electricians	207 A
3	Long hexagonal sockets with thin walls/17-19-21	235 1/2" MLS
15	Bihexagonal sockets/(3/8÷1 1/4')	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
5	Set of five wrenches/ (10x12-11x13-14x17-16x18-19x22)	258 N/SE5

pcs	description	item/size
12	Double ended open jaw wrenches	252 NP
6	Set of oil plug wrenches (6 pcs)	263/S6
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE
3	Spark plug sockets/16-18-20,8	279 N
1	Cross-type wheel nut wrenches (cars and light industrial vehicles) (17x19x22x ■ 1/2")	272/3
8	Set of eight keys/(1/16÷1/4')	280 P/SE8
17	Combination wrenches/(1/4÷1 5/16)	285 P
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/ 1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH

pcs	description	item/size
1	Ribbed chisels	351/200
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
6	Assortment in plastic wallet (6 pcs)	372 SE6
7	Screwdrivers for TORX screws/(T10÷T40)	324 TX
1	Mallet	376/35
2	Hammers for mechanics	382/300-500
1	Oiler	420/500
1	Flexible retriever with magnetic head	442 N/1
1	Thickness gauges with long blades	966 L/160
5	Set of five files (990 M PA÷M PE)	990 M2/SE5


kg	code	
26	04960018	1



496 B3

Assortment for car repair (186 pcs.)


pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Scissors for electricians	207 A
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
6	Long hexagonal sockets with thin walls/17-19-21-22-24-27	235 1/2" MLS
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
13	Set of thirteen wrenches/(6x7÷30x32)	252 N/SR13
5	Set of five wrenches/ (10x12-11x13-14x17-16x18-19x22)	258 N/SE5
6	Set of oil plug wrenches (6 pcs)	263/S6
1	Cross-type wheel nut wrench/ (17x19x22x ■ 1/2")	272/3
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE
3	Spark plug sockets/16-18-20,8	279 N
9	Set of nine keys/(1,5-2-2,5-3-4-5-6-8-10)	280 S9
13	Set of thirteen wrenches/(6x7÷30x32)	283 N/SE13
4	Combination wrenches/24-27-30-32	285
17	Set of seventeen combination wrenches/ (6÷22)	285 SE17
1	Adjustable wrench	294 A/250
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/ 1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
7	Screwdrivers for TORX screws/(T10÷T40)	324 TX
1	Ribbed chisel	351/200
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Mallet	376/35
2	Hammers for mechanics	382/300-500
1	Oiler	420/500
1	Flexible retriever with magnetic head	442 N/1
1	Articulated chain wrench for oil filters	445
30	Assortment in sheet steel box with ratchet 237 A 1/4" (30 pcs)	614 N 1/4" E
1	Thickness gauges with long blades	966 L/160
1	Flat scraper	987 A/200
1	Triangular scraper	987 C/200
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Brush for spark plugs	993 C

kg	code	
35	04960019	1

496 BP3

Assortment for car repair (166 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Scissors for electricians	207 A
6	Long hexagonal sockets with thin walls/17-19-21-22-24-27	235 1/2" MLS
15	Bihexagonal sockets/ (3/8÷1 1/4')	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
12	Double ended open jaw wrenches/ (1/4x5/16÷1 3/16x1 5/16")	252 NP
5	Set of five wrenches/ (10x12-11x13-14x17-16x18-19x22)	258 N/SE5
6	Set of oil plug wrenches (6 pcs)	263/S6
1	Cross-type wheel nut wrench/ (17x19x22x ■ 1/2")	272/3
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE
3	Spark plug sockets/16-18-20,8	279 N
8	Set of eight keys/(1/16÷1/4')	280 P/SE8
13	Fullcontact double ended offset bihexagonal ring wrenches/(1/4x5/16÷1 3/16x1 5/16")	283 NP
17	Combination wrenches/(1/4÷1 5/16")	285 P
1	Adjustable wrench	294 A/250
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/ 1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
7	Screwdrivers for TORX screws/(T10÷T40)	324 TX
1	Ribbed chisel	351/200
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Mallet	376/35
2	Hammers for mechanics	382/300-500
1	Oiler	420/500
1	Flexible retriever with magnetic head	442 N/1
1	Articulated chain wrench for oil filters	445
17	Assortment in sheet steel box with ratchet 237 A 1/4" (17 pcs)	613 1/4" ENP
1	Thickness gauges with long blades	966 L/160
1	Flat scraper	987 A/200
1	Triangular scraper	987 C/200
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Brush for spark plugs	993 C

kg	code	
32	04960020	1

Recommended containers

527 V



519 R





496 B4

Assortment for car repair (235 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with nose bent to 90° for internal circlips	127 PN/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Pliers with nose bent to 90° for external circlips	128 PN/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 AP/200
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
1	Utility knife with snap-off blades	220 B1
9	Socket bits for TORX screws/(T20÷T60)	233 1/2" NTX
8	Socket bits for Allen screws/(5-6-7-8-10-12-14-17)	234 1/2" N
17	Hexagonal sockets/(10÷22)-24-27-30-32	235 1/2" EN
6	Long hexagonal sockets with thin walls/17-19-21-22-24-27	235 1/2" MLS
7	TORX sockets/(E10÷E24)	235 1/2" NTX
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
12	Small double ended open jaw wrenches/(3,2÷14)	250 N
13	Set of thirteen wrenches/(6x7÷30x32)	252 N/SR13
5	Set of five wrenches/10x12-11x13-14x17-16x18-19x22	258 N/SE5

pcs	description	item/size
6	Set of oil plug wrenches (6 pcs)	263/S6
1	Cross-type wheel nut wrench (17x19x22x1/2")	272/3
1	T-handle with jointed square drive	273 1/2" Q
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE
3	Spark plug sockets/16-18-20,8	279 N
9	Set of nine keys/1,5-2-2,5-3-4-5-6-8-10	280 S9
13	Set of thirteen wrenches/(6x7÷30x32)	283 N/SE13
4	Combination wrenches/24-27-30-32	285
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
1	Adjustable wrench	294 A/250
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
7	Screwdrivers for TORX screws/(T10÷T40)	324 TX
1	Ribbed chisel	351/200
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Mallet	376/35
2	Hammers for mechanics	382/300-500
1	Oiler	420/500
1	Rolling head bar	429/400
1	Flexible retriever with magnetic head	442 N/1
1	Articulated chain wrench for oil filters	445
1	Ball-joint extractors	449/22
30	Assortment in sheet steel box with ratchet 237 A 1/4" (30 pcs)	614 N 1/4" E
1	Crimping pliers for non-insulated open and closed terminals	746
1	Thickness gauges	966/19 L
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
1	Flat scraper	987 A/200
1	Triangular scraper	987 C/200
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Brush for spark plugs	993 C


Recommended containers



514 BV



514 EV

kg	code	
42	04960025	1




496 B5

Assortment for car repair (108 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with nose bent to 90° for internal circlips	127 PN/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Pliers with nose bent to 90° for external circlips	128 PN/19÷60
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 B/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Hacksaw	200
17	Hexagonal sockets/(10÷22)-24-27-30-32	235 1/2" EN
3	Long hexagonal sockets with thin walls/17-19-21	235 1/2" MLS
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
13	Set of thirteen wrenches/(6÷32)	252 N/SR13
6	Set of oil plug wrenches (6 pcs)	263/S6
4	Glowplug wrenches with jointed socket/8L-9L-10L-12L	278 D
2	T-handle spark plug wrenches with jointed socket	278 N/16-20,8

pcs	description	item/size
9	Set of nine keys/1,5-2-2,5-3-4-5-6-8-10	280 S9
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/0,4x2,5x50	324 D
1	Screwdriver for slot-head screws/1,2x6,5x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
3	Screwdrivers for Phillips® screws/0x75-1x75-2x100	324 PH
7	Screwdrivers for TORX Tamper Resistant® screws/(T10÷T40)	324 STX
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	420/500
1	Metallic strap wrench for oil filters	443 B
1	Pliers for CORBIN clamps	871/2
1	Thickness gauges	966/20

kg	code	
16	04960021	1

Recommended containers



502 A1



502 A2



496 B6

Assortment for car repair (139 pcs.)


pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with nose bent to 90° for internal circlips	127 PN/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Pliers with nose bent to 90° for external circlips	128 PN/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 B/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 BP/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 B/180
1	Box-joint adjustable pliers	180 C/250
1	Diagonal cutting nippers	185 B/160
1	Scissors for electricians	207 C
1	Utility knife with snap-off blades	220 B
9	Set of nine socket bits for Torx screws/ (T20÷T60)	233 1/2" NTX/S9
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
7	Set of seven Torx sockets/(E10÷E24)	235 1/2" NTX/S7
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
1	Adapter	246 1/2"
6	Set of oil plug wrenches (6 pcs)	263/S6
3	Sockets for tyre rims/17-19-21	270 C
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE
4	Glowplug wrenches with jointed socket/ 8L-9L-10L-12L	278 D
2	Long T-handle spark plug wrenches with jointed socket/16-20,8	278 NL
3	Spark plug sockets/16-18-20,8	279 N

pcs	description	item/size
9	Set of nine keys/1,5-2-2,5-3-4-5-6-8-10	280 S9
4	Combination wrenches/24-27-30-32	285
17	Set of seventeen combination wrenches/ (6÷22)	285 SE17
1	Circuit-testing screwdriver 6÷24 Volts	322 C1
4	Screwdrivers for slot-head screws/0,5x3x75-	324
1	Screwdriver for slot-head screws/ 0,4x2,5x50	324 D
1	Screwdriver for slot-head screws/ 1,2x6,5x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
1	Ribbed chisel	351/250
3	Screwdrivers for Phillips® screws/ 0x75-1x75-2x100	324 PH
6	Assortment in plastic wallet (6 pcs)/ (362/125-150 364/125-150 366/3x125-4x150 368/4x125)	372 SE6
1	Mallet	376/35
2	Hammers for mechanics	382/300-500
1	Oiler	420/500
1	Flexible retriever with magnetic head	442 N/1
1	Metallic strap wrench for oil filters	443 B
4	Cap wrenches for oil filters/65-66,5-74-74 A	446
1	Outside puller with two jaws	454/1
1	Pliers for CORBIN clamps	871/2
1	Digital vernier caliper 1/100	960 D
1	Thickness gauge	966/20

Recommended containers



502 A2

kg	code	
30	04960022	1



496 B7

Assortment for car repair (198 pcs.)


pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with nose bent to 90° for internal circlips	127 PN/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Pliers with nose bent to 90° for external circlips	128 PN/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 B/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 BP/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 B/180
1	Box-joint adjustable pliers	180 C/250
1	Diagonal cutting nippers	185 B/160
1	Scissors for electricians	207 C
1	Utility knife with snap-off blades	220 B
9	Set of nine socket bits for Torx screws/ (T20÷T60)	233 1/2" NTX/S9
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
7	Set of seven Torx sockets/(E10÷E24)	235 1/2" NTX/S7
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
1	Adapter	246 1/2"
13	Set of thirteen wrenches/(6÷32)	252 N/SR13
6	Set of oil plug wrenches (6 pcs)	263/S6
3	Sockets for tyre rims/17-19-21	270 C
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE
4	Glowplug wrenches with jointed socket/ 8L-9L-10L-12L	278 D
2	Long T-handle spark plug wrenches with jointed socket/16-20,8	278 NL
3	Spark plug sockets/16-18-20,8	279 N
9	Set of nine keys/(1,5÷10)	280 LTS/S9
4	Combination wrenches/24-27-30-32	285

pcs	description	item/size
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
1	Circuit-testing screwdriver 6÷24 Volts	322 C1
4	Screwdrivers for slot-head screws/0,5x3x75-	324
1	Screwdriver for slot-head screws/ 0,4x2,5x50	324 D
1	Screwdriver for slot-head screws/ 1,2x6,5x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
3	Screwdrivers for Phillips® screws/ 0x75-1x75-2x100	324 PH
7	Screwdrivers for TORX Tamper Resistant® screws/(T10÷T40)	324 STX
1	Ribbed chisels	351/250
6	Assortment in plastic wallet (6 pcs)/ (362/125-150 364/125-150 366/3x125-4x150 368/4x125)	372 SE6
1	Mallet	376/35
2	Hammers for mechanics/300-500	382
1	Oiler	420/500
1	Flexible retriever with magnet and LED	442 L
1	Metallic strap wrench for oil filters	443 B
4	Cap wrenches for oil filters/65-66,5-74-74 A	446
1	Ball-joint extractor	449/22
1	Outside puller with two jaws	454 N/1
34	Assortment of hexagonal sockets	606 1/4" EA
1	Crimping pliers for non-insulated open and closed terminals	746
1	Hose pliers for cars	870 A
1	CLIC spring-clips pliers	871 B
1	Pliers for CORBIN clamps	871/2
1	Digital vernier caliper 1/100	960 D
1	Thickness gauges	966/20
1	Bimaterial tape rule with stainless steel casing	981 B/3x19

Recommended containers



502 A2

kg	code	
35	04960023	1




496 C1

Assortment for body repair (88 pcs.)

pcs	description	item/size
1	Lock-grip pliers with concave jaws	134/250
1	Lock-grip pliers with C-clamp jaws	139 AN/280
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Toggle joint shears for sheet steel	203 AN/250
9	Set of nine keys/(1,5-2-2,5-3-4-5-6-8-10)	280 S9
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
1	Extra flat chisel	354
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Mallet	376/35
1	Hammer for mechanics	382/500
1	Hammer with flat round and curved chisel heads	392
1	Hammer with flat round and flat square heads	393/32

pcs	description	item/size
1	Dolly with round convex and flat head	396
1	Rail shaped dolly	397
1	Heel shaped dolly	398
1	Convex shaped dolly	399
1	Comma shaped wedged dolly	401
1	"C" shaped dolly	405
1	Anvil shaped dolly	406
1	40° curved spoon	409
1	Double spoon with one flat blade and a curved one	410
1	Facing narrow body spoon, long model	411
1	Adjustable file holder	416 N
2	Flat flexible files/3,5-3,4	416 NA
1	Clip remover	426
1	Trim clips removal pliers, pressure operating	426 N
1	Rolling head bar	429/400
18	Assortment in sheet steel box with ratchet 237 A 1/4" (18 pcs)	613 1/4" EN
1	Triangular scraper	987 C/200
1	Metal brush	993 A

kg	code	
24	04960027	1

Recommended containers



519 R



518 SX



513 BX




496 D1

Assortment for earth moving machines (151 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
17	Hexagonal sockets/(10÷22)-24-27-30-32	235 1/2" EN
16	Hexagonal sockets/(22÷55) 37 excluded	235 3/4" EN
2	Extensions/125-150	236 1/2"
1	Extension	236 3/4"/200
1	Reversible ratchet	237 A 1/2"
1	Reversible ratchet	237 A 3/4"
1	T-handle with sliding square drive	240 1/2" N
1	T-handle with sliding square drive	240 3/4" N
1	Universal joint	241 1/2"
1	Universal joint	241 3/4"

pcs	description	item/size
13	Set of thirteen wrenches/(6x7÷30x32)	252 N/SR13
12	Set of twelve keys/(2÷10)	280 SE12
13	Set of thirteen wrenches/(6x7÷30x32)	283 N/SE13
4	Combination wrenches/24-27-30-32	285
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
2	Ribbed chisels	351/150-200
6	Set of six pin punches	367 SE6
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Non-rebound mallet	374 N/35
2	Hammers for mechanics	382/300-500
1	Oiler	420/500
1	Crowbar	428/400
1	Rolling head bar	429/400
1	Flexible retriever with magnetic head	442 N/1
1	Articulated chain wrench for oil filters	445
1	Thickness gauges	966/19 L
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
1	Triangular scraper	987 C/200
5	Set of five files (990 M PA÷M PE)	990 M2/SE5

kg	code	
33	04960031	1

Recommended containers



528 V



514 BV



514 EV


496 DP1

Assortment for earth moving machines (135 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
10	Bihexagonal sockets/(7/16"÷1")	235 1/2" PN
12	Bihexagonal sockets/(7/8"÷2")	235 3/4" PN
2	Extensions/125-150	236 1/2"
1	Extension	236 3/4"/200
1	Reversible ratchet	237 A 1/2"
1	Reversible ratchet	237 A 3/4"
1	T-handle with sliding square drive	240 1/2" N
1	T-handle with sliding square drive	240 3/4" N

pcs	description	item/size
1	Universal joint	241 1/2"
1	Universal joint	241 3/4"
12	Double ended open jaw wrenches/(1/4x5/16"÷1 3/16x1 5/16")	252 NP
12	Set of twelve angled hexagon keys/(1/20"÷7/16")	280 P/SE12
11	Double ended offset bihexagonal ring wrenches, inch sizes/(1/4x5/16"÷1 3/16x1 5/16")	283 NP
17	Combination wrenches/(1/4"÷1 5/16")	285 P
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/1,6x8x175	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
2	Ribbed chisels/150-200	351
6	Set of six pin punches	367 SE6

pcs	description	item/size
6	Assortment in plastic wallet (6 pcs)	372 SE6
1	Non-rebound mallet	374 N/35
2	Hammers for mechanics/300-500	382
1	Oiler	420/500
1	Crowbar	428/400
1	Rolling head bar	429/400
1	Flexible retriever with magnetic head	442 N/1
1	Articulated chain wrench for oil filters	445
1	Thickness gauges	966/19 L
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
1	Triangular scraper	987 C/200
5	Set of five files (990 M PA÷M PE)	990 M2/SE5

kg	code	
30	04960032	1



496 E1

Assortment for industrial maintenance (94 pcs.)


pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
1	Utility knife with snap-off blades	220 B
17	Hexagonal sockets/(10÷22)-24-27-30-32	235 1/2" EN
2	Extensions/125-150	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
8	Set of eight wrenches/(6x7÷20x22)	252 N/SR8
9	Set of nine keys/(1,5÷10)	280 LTS/S9
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/1,6x8x175	324 E
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
1	Ribbed chisel	351/200
6	Set of six pin punches	367 SE6
1	Centre punch	368/4x125
1	Mallet	376/35
1	Hammer for mechanics	382/500
1	Oiler	420/500
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
5	Set of five files (990 M PA÷M PE)	990 M2/SE5

kg	code	
20	04960038	1

496 EP1

Assortment for industrial maintenance (88 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
1	Utility knife with snap-off blades	220 B
15	Bihexagonal sockets/(3/8÷1 1/4)	235 1/2" PN
2	Extensions/125-150	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
7	Set of seven double ended open jaw wrenches/(1/4÷1 1/8")	252 NP/SE7
9	Set of nine keys/(1/16÷3/8)	280 LTSP/S9
13	Set of thirteen combination wrenches/(1/4÷1")	285 P/SE13
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/1,6x8x175	324 E
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
1	Ribbed chisel	351/200
6	Set of six pin punches	367 SE6
1	Centre punch	368/4x125
1	Mallet	376/35
1	Hammer for mechanics	382/500
1	Oiler	420/500
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
5	Set of five files (990 M PA÷M PE)	990 M2/SE5

kg	code	
18	04960039	1

Recommended containers



654 V



519 R



518 SX



513 BX




496 E2

Assortment for industrial maintenance (128 pcs.)

pcs	description	item/size
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with nose bent to 90° for internal circlips	127 PN/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Pliers with nose bent to 90° for external circlips	128 PN/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
1	Utility knife with snap-off blades	220 B
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
2	Extensions/125-150	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
13	Set of thirteen wrenches/(6x7÷30x32)	252 N/SR13
9	Set of nine keys/(1,5÷10)	280 LTS/S9
4	Combination wrenches/24-27-30-32	285
17	Set of seventeen combination wrenches/(6÷22)	285 SE17

pcs	description	item/size
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/1,6x8x175	324 E
2	Screwdrivers for slot-head screws/0,8x4x30-1,2x6,5x30	324 N
2	Screwdrivers for Phillips® screws/1x30-2x30	324 NPH
3	Screwdrivers for Phillips® screws/0x75-1x75-2x100	324 PH
2	Ribbed chisels/200-250	351
1	Chisel	362/150
6	Set of six pin punches	367 SE6
1	Centre punch	368/4x125
1	Mallet	376/35
1	Hammer for mechanics	382/500
1	Oiler	420/500
18	Assortment in sheet steel box with ratchet 237 A 1/4" (18 pcs)	613 1/4" EN
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
5	Set of five files (990 M PA÷M PE)	990 M2/SE5

kg	code	
25	04960040	1

Recommended containers



513 BX



518 SX



519 R



527 V



528 V




496 E3

Assortment for industrial maintenance (165 pcs.)

pcs	description	item/size
2	Pliers with straight nose for internal circlips/ 12÷25-19÷60	127 N
2	Pliers with nose bent to 90° for internal circlips/12÷25-19÷60	127 PN
2	Pliers with straight nose for external circlips/10÷25-19÷60	128 N
2	Pliers with nose bent to 90° for external circlips/10÷25-19÷60	128 PN
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 AP/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Utility knife with snap-off blades	220 B
1	Scissors for electricians	207 A
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
2	Extensions/125-150	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

pcs	description	item/size
13	Set of thirteen wrenches/(6x7÷30x32)	252 N/SR13
1	T-handle with jointed square drive	273 1/2" Q
9	Set of nine keys/(1,5÷10)	280 LTS/S9
26	Set of twenty-six combination wrenches/(6÷22)	285 SE26
1	Adjustable wrench	294 A/250
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
3	Screwdrivers for slot-head screws/1,6x8x175-1,6x10x175-2x12x250	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
2	Screwdrivers for slot-head screws/0,8x4x35-1,2x6,5x35	324 N
2	Screwdrivers for Phillips® screws/1x35-2x35	324 NPH
3	Screwdrivers for Phillips® screws/0x75-1x75-2x100	324 PH
8	Set of eight screwdrivers	329 N/S8
2	Ribbed chisels	351/200-250
1	Chisel	362/150
6	Set of six pin punches	367 SE6
2	Centre punches/4x125-5x150	368
1	Mallet	376/35
1	Hammer for mechanics	382/500
1	Oiler	420/500
1	Flexible retriever with magnetic head	442 N/2
1	Outside puller with two jaws	454 N/2
6	Set of six conical extractors (458/1÷6)	458 S6
18	Assortment in sheet steel box with ratchet 237 A 1/4" (18 pcs)	613 1/4" EN
2	Ratchet tap wrench	618/1-2
1	Vernier caliper to 1/20 mm	960
1	Thickness gauges with long blades	966 L/160
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Metal brush	993 A

kg	code	
30	04960042	1

Recommended containers



513 BX



519 R



527 V



528 V


496 EP3

Assortment for industrial maintenance (153 pcs.)

pcs	description	item/size
2	Pliers with straight nose for internal circlips/19÷60-12÷25	127 N
2	Pliers with nose bent to 90° for internal circlips/19÷60-12÷25	127 PN
2	Pliers with straight nose for external circlips/19÷60-10÷25	128 N
2	Pliers with nose bent to 90° for external circlips/19÷60-10÷25	128 PN
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 AP/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
1	Utility knife with snap-off blades	220 B
15	Bi-hexagonal sockets/ 3/8÷1 1/4"	235 1/2" PN
2	Extensions/125-150	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

pcs	description	item/size
13	Double ended open jaw wrenches/ (1/4÷1 5/16")	252 NP
1	T-handle with jointed square drive	273 1/2" Q
9	Set of nine long angled hexagon keys with spherical head - inch sizes/(1/16÷3/8")	280 LTS/59
17	Combination wrenches/(1/4÷1 5/16")	285 P
1	Adjustable wrench	294 A/250
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
3	Screwdrivers for slot-head screws/ 1,6x8x175-1,6x10x175-2x12x250	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
2	Screwdrivers for slot-head screws/ 0,8x4x35-1,2x6,5x35	324 N
2	Screwdrivers for Phillips® screws/ 1x35-2x35	324 NPH
3	Screwdrivers for Phillips® screws/ 0x75-1x75-2x100	324 PH
8	Set of eight screwdrivers	329 N/S8
2	Ribbed chisels/200-250	351
1	Chisel	362/150
6	Set of six pin punches	367 SE6
2	Centre punches/4x125-5x150	368
1	Mallet	376/35
1	Hammer for mechanics	382/500

pcs	description	item/size
1	Oiler	420/500
1	Flexible retriever with magnetic head	442 N/2
1	Outside puller with two jaws	454 N/2
6	Set of six conical extractors (458/1÷6)	458 S6
17	Assortment in sheet steel box with ratchet 237 A 1/4" (17 pcs)	613 1/4" ENP
2	Ratchet tap wrench	618/1-2
1	Vernier caliper to 1/20 mm	960
1	Thickness gauges with long blades	966 L/160
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Metal brush	993 A

kg	code	
28	04960043	1




496 E4

Assortment for industrial maintenance (238 pcs.)

pcs	description	item/size
3	Pliers with straight nose for internal circlips/19÷60-12÷25-40÷100	127 N
3	Pliers with nose bent to 90° for internal circlips/19÷60-12÷25-40÷100	127 PN
3	Pliers with straight nose for external circlips/19÷60-10÷25-40÷100	128 N
3	Pliers with nose bent to 90° for external circlips/19÷60-10÷25-40÷100	128 PN
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 AP/160
1	Lock-grip pliers with concave jaws	134/250
1	Lock-grip pliers with double adjustment	135 F2
1	Wire stripper	147 N
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200 S
1	Hacksaw frame	201
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 A
1	Utility knife with snap-off blades	220 B
8	Socket bits for Allen screws/ 5-6-7-8-10-11-12-14-17	234 1/2" N
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
10	Hexagonal sockets/ 22-24-27-30-32-36-38-41-46-50	235 3/4" EN
2	Extensions/125-150	236 1/2"
2	Extensions/200-400	236 3/4"
1	Reversible ratchet	237 A 1/2"
1	Reversible ratchet	237 A 3/4"
1	T-handle with sliding square drive	240 1/2" N
1	T-handle with sliding square drive	240 3/4" N
1	Universal joint	241 1/2"
1	Universal joint	241 3/4"
1	Double ended open jaw wrenches	252 N/36x41
13	Set of thirteen wrenches/(6x7÷30x32)	252 N/SR13
1	T-handle with jointed square drive	273 1/2" Q
9	Set of nine keys/(1,5÷10)	280 LTS/59
10	T-handle hexagon keys/ 2-2,5-3-4-5-6-8-10-12-14	280 T
13	Set of thirteen wrenches/(6x7÷30x32)	283 N/SE13
3	Combination wrenches/36-38-41	285
26	Set of twenty-six combination wrenches/(6÷22)	285 SE26
1	Adjustable wrench	294 A/250

pcs	description	item/size
1	American model pipe wrenches	302 N/350-2
1	Swedish model pipe wrenches with thin, shaped jaws bent to 45°	310 N/430-1 1/2"
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
3	Screwdrivers for slot-head screws/ 1,6x8x175-1,6x10x175-2x12x250	324 E
1	Screwdriver for Phillips® screws/3x150	324 EPH
2	Screwdrivers for slot-head screws/ 0,8x4x35-1,2x6,5x35	324 N
2	Screwdrivers for Phillips® screws/ 1x35-2x35	324 NPH
3	Screwdrivers for Phillips® screws/ 0x75-1x75-2x100	324 PH
8	Set of eight screwdrivers	329 N/S8
2	Ribbed chisels/200-250	351
1	Chisel	362/150
1	Cross cut chisel	364/125
6	Set of six pin punches	367 SE6
2	Centre punches/4x125-5x150	368
2	Mallets	376/35-50
3	Hammers for mechanics/300-500-1000	382
1	Oiler	420/500
1	Crowbar	428
1	Flexible retriever with magnetic head	442 N/2
6	Set of six conical extractors (458/1÷6)	458 S6
2	Outside pullers with two jaws	454/2-4
18	Assortment in sheet steel box with ratchet 237 A 1/4" (18 pcs)	613 1/4" EN
2	Ratchet tap wrench	618/1-2
1	Crimping pliers for pre-insulated terminals	751
1	Torque wrench with reversible ratchet	810 N/200
1	Vernier caliper to 1/20 mm	960
1	Thickness gauges with long blades	966 L/160
1	Scriber	974
1	Semi-rigid graduated rule	978 B/300
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Metal brush	993 A
1	Hand riveter	995 A

kg	code	
45	04960044	1

Recommended containers



514 BV



514 EV



496 E6

Assortment for industrial maintenance (123 pcs.)

pcs	description	item/size
1	Insulating tape	073/19x25
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with nose bent to 90° for internal circlips	127 PN/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Pliers with nose bent to 90° for external circlips	128 PN/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 B/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 BP/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 B/180
1	Box-joint adjustable pliers	180 C/250
1	Diagonal cutting nippers	185 B/160
1	Hacksaw	200
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 C
1	Utility knife with snap-off blades	220 B
17	Hexagonal sockets/ (10-22)-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
1	T-handle with jointed square drive	273 1/2" Q
9	Set of nine keys/1,5-2-2,5-3-4-5-6-8-10	280 S9
7	T-handle hexagon keys/2-2,5-3-4-5-6-8	280 T
2	Combination wrenches	285/24-27
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
1	Adjustable wrench	294 A/250-10"
1	Swedish model pipe wrench with thin, shaped jaws bent to 45°	310 N/430-1 1/2"
1	Tube cutter for copper and light alloy tubes	V210320
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/0,4x2,5x50	324 D
1	Screwdriver for slot-head screws/1,2x6,5x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
3	Screwdrivers for Phillips® screws/0x75-1x75-2x100	324 PH
2	Ribbed chisels/200-250	351
6	Set of six pin punches	367 SE6
7	Assortment with metal holder (7 pcs)/ (362/125-150 364/125-150 366/3x125-4x150 368/4x125)	372 S7
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	420/500
1	Crowbar	428/400
1	Flexible retriever with magnetic head	442 N/1
2	Ratchet tap wrench	618/1-2
1	Crimping pliers for non-insulated open and closed terminals	746
1	Digital vernier caliper 1/100	960 D
1	Thickness gauges	966/20
1	Retractable carbide scriber	974 BN
1	Semi-rigid graduated rule	978 B/300
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Metal brush	993 A
1	Brush	994 B/40x15
1	Hand riveter	995 A

496 EP6

Assortment for industrial maintenance (117 pcs.)

pcs	description	item/size
1	Insulating tape	073/19x25
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with nose bent to 90° for internal circlips	127 PN/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Pliers with nose bent to 90° for external circlips	128 PN/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 B/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 BP/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 B/180
1	Box-joint adjustable pliers	180 C/250
1	Diagonal cutting nippers	185 B/160
1	Hacksaw	200
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 C
1	Utility knife with snap-off blades	220 B
14	Bihexagonal sockets/ 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"	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
1	T-handle with jointed square drive	273 1/2" Q
9	Set of nine keys/(1/16"-5/64"-3/32"-1/8"-5/32"-3/16"-7/32"-1/4"-3/8")	280 LTSP/S9
7	T-handle hexagon keys/2-2,5-3-4-5-6-8	280 T
3	Combination wrenches/1 1/8"-1 5/16"-1 1/2"	285 P
13	Set of thirteen combination wrenches/(1/4"-1")	285 P/SE13
1	Adjustable wrench/250-10"	294 A
1	Swedish model pipe wrench with thin, shaped jaws bent to 45°	310 N/430-1 1/2"
1	Tube cutter for copper and light alloy tubes	V210320
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/0,4x2,5x50	324 D
1	Screwdriver for slot-head screws/1,2x6,5x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
3	Screwdrivers for Phillips® screws/0x75-1x75-2x100	324 PH
2	Ribbed chisels/200-250	351
6	Set of six pin punches	367 SE6
7	Assortment with metal holder (7 pcs)/ (362/125-150 364/125-150 366/3x125-4x150 368/4x125)	372 S7
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	420/500
1	Crowbar	428/400
1	Flexible retriever with magnetic head	442 N/1
2	Ratchet tap wrench	618/1-2
1	Crimping pliers for non-insulated open and closed terminals	746
1	Digital vernier caliper 1/100	960 D
1	Thickness gauges	966/20
1	Retractable carbide scriber	974 BN
1	Semi-rigid graduated rule	978 B
1	Tape rule	981 G/3x16
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Metal brush	993 A
1	Brush	994 B/40x15
1	Hand riveter	995 A



Recommended containers





502 A1



502 A2

 Kg	code	
23	04960046	1

 Kg	code	
21	04960047	1



Recommended containers




502 A2

496 E7

Assortment for industrial maintenance (204 pcs.)

pcs	description	item/size
1	Insulating tape	073/19x25
2	Pliers with straight nose for internal circlips/12÷25 - 19÷60	127 N
2	Pliers with nose bent to 90° for internal circlips/12÷25 - 19÷60	127 PN
2	Pliers with straight nose for external circlips/10÷25 - 19÷60	128 N
2	Pliers with nose bent to 90° for external circlips/10÷25 - 19÷60	128 PN
1	Half-round extra-long nose pliers with straight jaws	133 B/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 BP/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 B/180
1	Box-joint adjustable pliers	180 C/250
1	Diagonal cutting nippers	185 B/160
1	Hacksaw	200 S
1	Hacksaw frame	201
1	Shears for sheet steel	204/250
1	Scissors for electricians	207 C
1	Multipurpose scissors	211 A
1	Utility knife with snap-off blades	220 B
8	Set of eight socket bits for Allen screws/ (5-6-7-8-10-12-14-17)	234 1/2" N/S8
17	Hexagonal sockets/ (10÷22)-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
13	Set of thirteen wrenches/(6÷32)	252 N/SR13
1	T-handle with jointed square drive	273 1/2" Q
9	Set of nine keys/(1,5÷10)	280 LTS/S9
7	T-handle hexagon keys/ 2-2,5-3-4-5-6-8	280 T
4	Combination wrenches/24-27-30-32	285
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
1	Adjustable wrench	294 A/250-10"
1	Swedish model pipe wrench with thin, shaped jaws bent to 45°	310 N/430-1 1/2"
1	Tube cutter for copper and light alloy tubes	V210320
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75- 0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/ 0,4x2,5x50	324 D
1	Screwdriver for slot-head screws/ 1,2x6,5x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
3	Screwdrivers for Phillips® screws/ 0x75-1x75-2x100	324 PH
8	Set of eight screwdrivers/ (329 N/2x75-2,5x75-3x75-3,5x75-4x75-329 NPH/00x75-0x75-1x75)	329 N/S8
2	Ribbed chisels	351/200-250
6	Set of six pin punches	367 SE6
6	Assortment in plastic wallet (6 pcs)/(362/125- 150 364/125 366/3x125-4x150 368/4x125)	372 SE6
1	Mallet	376/35
2	Hammers for mechanics/300-500	382
1	Oiler	420/500
1	Crowbar	428/400
1	Flexible retriever with magnetic head	442 N/1
1	Outside puller with two jaws	454/2
6	Set of six conical extractors (458/1÷6)	458 S6/(1÷6)
34	Assortment of hexagonal sockets	606 1/4" EA
2	Ratchet tap wrench	618/1-2
1	Crimping pliers for pre-insulated terminals	751
1	Torque wrench with reversible ratchet	810 N/200
1	Digital vernier caliper 1/100	960 D
1	Thickness gauges	966/20
1	Retractable carbide scriber	974 BN
1	Semi-rigid graduated rule	978 B/300
1	Tape rule	981 G/5x19
1	Flexible scraper	987 E/50
1	Rigid scraper	987 F/50
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Metal brush	993 A
1	Brush	994 B/40x15
1	Hand riveter	995 A

pcs	description	item/size
4	Screwdrivers for slot-head screws/0,5x3x75- 0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/ 0,4x2,5x50	324 D
1	Screwdriver for slot-head screws/ 1,2x6,5x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
3	Screwdrivers for Phillips® screws/ 0x75-1x75-2x100	324 PH
8	Set of eight screwdrivers/ (329 N/2x75-2,5x75-3x75-3,5x75-4x75-329 NPH/00x75-0x75-1x75)	329 N/S8
2	Ribbed chisels	351/200-250
6	Set of six pin punches	367 SE6
6	Assortment in plastic wallet (6 pcs)/(362/125- 150 364/125 366/3x125-4x150 368/4x125)	372 SE6
1	Mallet	376/35
2	Hammers for mechanics/300-500	382
1	Oiler	420/500
1	Crowbar	428/400
1	Flexible retriever with magnetic head	442 N/1
1	Outside puller with two jaws	454/2
6	Set of six conical extractors (458/1÷6)	458 S6/(1÷6)
34	Assortment of hexagonal sockets	606 1/4" EA
2	Ratchet tap wrench	618/1-2
1	Crimping pliers for pre-insulated terminals	751
1	Torque wrench with reversible ratchet	810 N/200
1	Digital vernier caliper 1/100	960 D
1	Thickness gauges	966/20
1	Retractable carbide scriber	974 BN
1	Semi-rigid graduated rule	978 B/300
1	Tape rule	981 G/5x19
1	Flexible scraper	987 E/50
1	Rigid scraper	987 F/50
5	Set of five files (990 M PA÷M PE)	990 M2/SE5
1	Metal brush	993 A
1	Brush	994 B/40x15
1	Hand riveter	995 A

kg	code	
27	04960048	1



Recommended containers



001 M



001 P



001 Q




003 V

496 F2

Assortment for electronics (98 pcs.)

pcs	description	item/size
1	Flat long nose pliers with straight jaws	015 L
1	Half-round long nose pliers with straight jaws	017 L
1	Half-round long tapering nose pliers with jaws bent to 45°	018 LP
1	Diagonal cutting nippers with flush cutting edge	022
1	Diagonal cutting nippers with flush cutting edge	025
1	End cutting nippers with flush cutting edge bent to 45°	036
1	Tweezers with strong rigid tips	040/00
1	Tweezers with straight tips and guide pin	042
1	Tweezers with tips bent to 45° and guide pin	042 P
2	Screwdrivers for electronic tuning	048/1-2
1	Self-locking pliers	052 N
1	Spring puller	053 N
1	Pen oiler	054
1	Adjustable mirror	056/1
1	Soldering iron, two-settings model	063
1	Torch	055 A
1	Desoldering pump	065

pcs	description	item/size
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Wire stripper	147 N/160
1	Combination pliers	150 A/180
1	Scissors for electricians	207 A
1	Knife for electricians	216 N
1	Utility knife with snap-off blades	220 B
12	Set of twelve wrenches	250 N/SE12
9	Set of nine keys	280 S9
8	Set of eight keys	280 STX/S8
1	Adjustable wrench	294 A/250
1	Circuit-testing screwdriver 110÷380 Volts	322 C2
4	Screwdrivers for slot-head screws/0,6x3,5x100-324 D 0,8x4x100-1x5,5x125-1,2x6,5x150	324 D
1	Screwdriver for slot-head screws/0,8x4x35	324 N
2	Screwdrivers for Phillips® screws/ 1x35-2x35	324 NPH
1	Screwdriver for Phillips® screws/2x100	324 PH
3	Screwdrivers for POZIDRIV®-SUPADRIV® screws/0x75-1x75-2x100	324 PZ
8	Set of eight screwdrivers	329 N/S8
1	Mallet	376/28
1	Hammer for mechanics	382/200
1	Assortment in sheet steel box with ratchet 237 A 1/4" (18 pcs)	613 1/4" EN
1	Scriber	974
1	Flexible graduated rule	978 A/150
1	Tape rule	981 G/2
1	Set of six needle file	991 SE6
1	Brush	994 A

kg	code	
6,1	04960055	1




496 H

Assortment for electrotechnics (72 pcs.)

pcs	description	item/size
1	Spring puller	053 N
1	Torch	055 A
1	Rigid mirror	056/1
1	Soldering iron, two-settings model	063/20-40W
1	Insulating tape	073/15x10
2	Screwdrivers for slot-head screws/ 0,8x4x100-1,2x6,5x150	092
1	Screwdriver for PHILLIPS® screws/2x125	092 PH
1	Pliers with straight nose for internal circlips	127 N/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Wire stripper	147 N/160
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/190
1	Diagonal cutting nippers	185 A/160
1	Hacksaw frame	201
9	Set of nine keys/(1,5÷10)	280 S9
1	Scissors for electricians	207 A
8	Combination wrenches/ 8-10-11-13-14-17-19-22	285
1	Phase-testing screwdriver 110÷380 Volts	322 F

pcs	description	item/size
8	Set of eight screwdrivers	329 N/S8
1	Reversible screwdriver for slot-head and PHILLIPS® screws	322 R
1	Chisel for electricians	359/14x250
2	Pin punches/4x145-6x180	367
1	Centre punch	368/4x125
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	418/70
14	Assortment in sheet steel box (14 pcs)	603 N 1/4" E
1	Crimping pliers for pre-insulated terminals	747
1	Scriber	974
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
1	Flat needle file with flat edges	991 A
1	Triangular needle file	991 B
1	Round needle file	991 C
1	Brush	994 A

kg	code	
6	04960070	1

Recommended containers



005 V

004 V




496 H2

Assortment for electrotechnics (82 pcs.)

pcs	description	item/size
1	Spring puller	053 N
1	Torch	055 A
1	Articulated mirror	056/1
1	Soldering iron, two-settings model	063
1	Insulating tape	073/15x10
1	Half-round extra-long nose pliers with straight jaws	081 N/160
1	Combination pliers	085 N/180
1	Diagonal cutting nippers	087 N/160
5	Screwdrivers for slot-head screws/ 0,4x2,5x50-0,5x3x75-0,8x4x100- 1x5,5x125-1,2x6,5x150	092
3	Screwdrivers for PHILLIPS® screws/ 0x75-1x100-2x125	092 PH
1	Wire stripper	147 N/160
1	Cable cutter for Copper and Aluminium cables	148 N/17
1	Wire stripper with adjustable blade with cutter	161 A2
1	Lay-on slip-joint adjustable pliers	178 I/190
1	Hacksaw frame	201
1	Scissors for electricians	207 A
1	Knife for electricians	216 N
1	Utility knife with snap-off blades	220 B
8	Set of eight wrenches	252 N/SR8
9	Set of nine keys	280 S9
8	Set of eight keys	280 STX/S8
6	Hexagonal socket spinners with Logic grip/ 5,5-6-7-8-10-13	299

pcs	description	item/size
1	Phase-testing screwdriver 110÷380 Volts	322 F
1	Screwdriver for slot-head screws/0,8x4x35	324 N
2	Screwdrivers for Phillips® screws/ 1x35-2x35	324 NPH
3	Screwdrivers for POZIDRIV®-SUPADRIV® screws/0x75-1x75-2x100	324 PZ
1	Extra flat chisel	354
2	Chisels for electricians/10x200-14x250	359
4	Pin punches/2x110-3x130-4x145-5x165	367
1	Centre punch/4x125	368
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	418/70
1	Cable ties pliers	765
4	Cable ties /100*2,5x98-100*3,6x140- 100*4,8x360-100*7,8x365	765 EN
1	Scriber	974
1	Bimaterial tape rule with stainless steel casing	981 B/3x19
1	Rigid scraper	987 F/50
6	Set of six needle files	991 SE6
1	Brush	994 A

kg	code	
9,1	04960071	1

Recommended containers



001 M



001 P



001Q



003 V




496 I

Assortment for electrotechnics (57 pcs.)

pcs	description	item/size
1	Tweezers with straight tips and guide pin	042
1	Insulating tape	073/15x10
5	Screwdrivers for slot-head screws/ 0,4x2,5x50-0,6x3,5x100-0,8x4x100- 1x5,5x150-1,2x6,5x150	092
3	Screwdrivers for PHILLIPS® screws/ 0x75-1x100-2x125	092 PH
1	Flat extra-long nose pliers with straight jaws	131 A/160
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Half-round extra-long nose pliers with jaws bent to 45°	133 AP/160
1	Wire stripper	147 N/160
1	Cable cutter for Copper and Aluminium cables	148 N/10
1	Combination pliers	150 A/180
1	Lay-on slip-joint adjustable pliers	178 I/190
1	Diagonal cutting nippers	185 A/160
1	Hacksaw frame	201
1	Scissors for electricians	207 A
1	Knife for electricians	216 N

pcs	description	item/size
8	Set of eight wrenches/(6x7÷20x22)	252 N/SR8
9	Set of nine keys/(1,5÷10)	280 S9
6	Hexagonal socket spinners with Logic grip/ 5-5,5-6-7-8-10	299
1	Phase-testing screwdriver 110÷380 Volts	322 F
1	Reversible screwdriver for slot-head and PHILLIPS® screws	322 R
1	Screwdrivers for slot-head screws/0,8x4x300	324 L
2	Chisels for electricians/10x200-14x250	359
1	Extra flat chisel	354/235
2	Pin punches/4x145-6x180	367
1	Centre punch	368/4x125
1	Mallet	376/35
1	Hammer for mechanics	382/300
1	Oiler	418/70
1	Crimping pliers for pre-insulated terminals	747
1	Bimaterial tape rule with stainless steel casing	981 B/3x19

kg	code	
7	04960080	1

Recommended containers

005 V




004 V



496 L

Assortment for plumbers (25 pcs.)

pcs	description	item/size
1	Combination pliers	150 B/180
1	Box-joint adjustable pliers	180 V/250
1	Hacksaw frame	201
1	Scissors for electricians	209
8	Set of eight wrenches/(6x7÷20x22)	252 N/SR8
1	Adjustable wrench	294 A/250
1	Swedish model pipe wrench with thin, shaped jaws bent to 45°	310 N/340-1"
1	Tube cutter for Copper and light alloy tubes	V210320
4	Screwdrivers for slot-head screws/0,5x3x75- 0,8x4x100-1x5,5x125-1,2x8x200	324 PH
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
1	Hammer for mechanics	382/500
1	Carpenter's pencil	974 M
1	Wooden folding rule	980 A/2
1	Metal brush	993 A

kg	code	
4,5	04960090	1

Recommended containers

009 V



009 LV



643 V



643 LV






496 M

Assortment for plumbers (50 pcs.)

pcs	description	item/size
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 V/250
1	Heavy-duty diagonal cutting nippers	188 A/160
1	Hacksaw	200
1	Hacksaw frame	201
1	Shears for sheet steel	204/250
1	Scissors for electricians	209
13	Set of thirteen double ended open jaw wrenches/(6x7-30x32)	252 N/SR13
9	Set of nine keys	280 L/S9
1	Adjustable wrench	294 A/250
1	American model pipe wrench	302 N/350-2
1	Light-duty pipe wrench with jaws bent to 90°	308/225-1 1/2"
1	Tube cutter for steel and cast iron tubes	V210110
1	Tube cutter for Copper and light alloy tubes	V210320

pcs	description	item/size
4	Screwdrivers for slot-head screws/0,5x3x75- 324 0,8x4x100-1x5,5x125-1,2x8x200	324 N
1	Screwdriver for slot-head screws/0,8x4x35	324 PH
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
1	Chisel for electricians	359/14x200
1	Mallet	376/35
1	Hammer for mechanics	382/500
1	Carpenter's pencil	974 M
1	Wooden folding rule	980 A/2
1	Flat square file	990 M PA/200
1	Square file	990 M PD/200
1	Metal brush	993 A

kg	code	
15	04960100	1

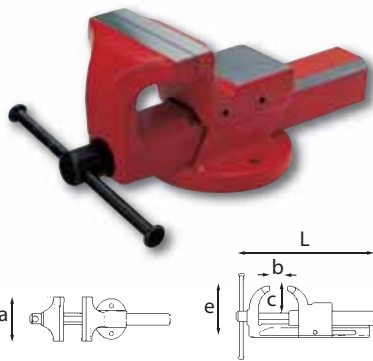
Recommended containers



643 LV




009 LV



498 B

Parallel jaw vices for workbenches

- Fully forged steel model with jaws and body in one piece
- Rear jaw shaped like an anvil
- Ground prismatic double guide with screws for regulating the parallelism of the jaws and for recovering tightness of grip


axbxc mm	e mm	L mm	kg	code	
100x125x65	125	295	6,9	04980012	1
125x160x80	147	350	10,7	04980013	1
150x200x100	175	450	18	04980014	1

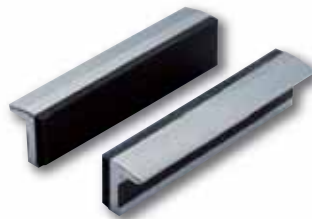


498 GA

Protective magnetic jaws

- Aluminium


L mm	kg	code	
100	180	Q04980002	1
125	216	Q04980003	1
150	252	Q04980004	1



498 GB

Protective magnetic jaws

- Aluminium with rubber coating


L mm	kg	code	
100	180	Q04980012	1
125	190	Q04980013	1
150	200	Q04980014	1



498 GC

Protective magnetic jaws

- Aluminium with fiber coating


L mm	kg	code	
100	87	Q04980022	1
125	99	Q04980023	1
150	102	Q04980024	1



498 GD 100

Pipe clamp jaws

- Steel jaws for vice 498 B100

LxPxH mm	kg	code	
38x35x47	320	Q04980031	1



498 GE

Swivelling support

- For vice 498 B100
- Steel body


LxPxH mm	kg	code	
165x165x50	1,5	Q04980035	1



501 C1

Workbench with drawer chest

- Model with multilayer wooden top, 30 mm thickness
- Chest with six drawers of different depths, supplied with antislip mat
- Drawers with full-extension opening on telescopic slides (capacity 120 Kg)
- Centralized security locking
- Middle shelf with back board
- Perforated side upright
- Sheet steel casing with anaphoretic process
- Inside dimensions: 4 drawers 555x555x60 mm
2 drawers 555x555x140 mm


LxPxH mm	kg Kg	code	
2000x800x915	138	05010007	1



501 C2

Workbench with drawer chest

- Same features of workbench 501 C1
- High resistance syntetic top, covered with galvanized sheet steel, 30 mm thickness


LxPxH mm	kg Kg	code	
2000x800x915	171	05010017	1

501 SF60

Cross-type dividers

- For the drawers of workbenches 501
- Galvanized steel sheet
- 6 pieces




H mm	kg Kg	code	
60	1,9	Q05010113	1

501 D1

Workbench without drawers

- Model with multilayer wooden top, 30 mm thickness
- Middle shelf with back board
- Perforated side upright
- Sheet steel casing, anaphoretic process
- Arranged for assembly of drawer 501 U140


L mm	H mm	a mm	kg	code	
1000	915	800	53	05010008	1
1500	915	800	73	05010009	1
2000	915	800	98	05010010	1



501 D2

Workbench without drawers

- Same features of workbench 501 D1
- High resistance syntetic top covered with galvanized sheet steel, 30 mm thickness
- Arranged for assembly of drawer 501 U140


L mm	H mm	a mm	kg	code	
1000	915	800	69	05010018	1
1500	915	800	96	05010019	1
2000	915	800	131	05010020	1



501 U140

Drawer with slides for workbenches 501 D1 and 501 D2

- Lock for workbench included
- Inside dimensions: 558x558x140 mm


kg	code	
9	Q05010128	1

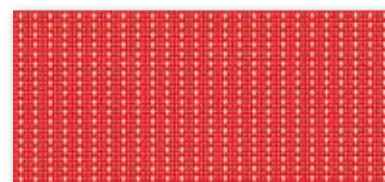


501 M

Couple of uprights

- For assembling panels 501 P to workbenches


kg	code	
3,9	Q05010102	1



501 P

Perforated panels

- Hole diameter: 5 mm
- Steel sheet, thickness 1,2 mm
- Enamelled finish, colour red RAL 3020
- To be used with hooks 552÷559 and 5003 SG


size	dimensions (mm)	kg	code	
C	1000x800	9,5	Q05010103	1
A	1500x800	13,5	Q05010104	1
B	2000x800	17,5	Q05010105	1



501 E1

Workbench without drawers

- Model with multilayer wooden top, 30 mm thickness
- Arranged for ground fixing
- Sheet steel casing with anaphoretic process
- 4 uprights for size 1m and 1,5 m
- 6 uprights for size 2 m
- Possibility to add drawer 501 U 175
- Static load:
 - L 1000 = 1000 Kg
 - L 1500 = 1500 Kg
 - L 2000 = 2000 Kg


LxPxH mm	kg	code	
1000x700x880	43	05010118	1
1500x700x880	55	05010119	1
2000x700x880	76	05010120	1



501 E2

Workbench without drawers

- Model with sheet steel top, 2,5 mm thickness
- Work top with sides
- Arranged for ground fixing
- Sheet steel casing with anaphoretic process
- 4 uprights for size 1m and 1,5 m
- 6 uprights for size 2 m
- Possibility to add drawer 501 U 175
- Static load:
 - L 1000 = 1000 Kg
 - L 1500 = 1500 Kg
 - L 2000 = 2000 Kg


LxPxH mm	kg	code	
1000x700x880	45	05010108	1
1500x700x880	57	05010109	1
2000x700x880	77	05010110	1

501 U175

Drawer with slides for workbenches 501 E1 and 501 E2

- Lock for workbench included
- Inside dimensions: 570x420x175 mm
- Combinable with plastic trays for tools




kg	code	
9	Q05010129	1



502 KA1

Kit with hooks and supports for cabinet 502 A1 (66 pcs.)

code  005020020 1

- Assortment with sheet steel supports for wrenches, screwdrivers, pliers, sockets
- Single steel hooks

502 A1


Empty tool cabinet - 1 drawer

- Model with inside perforated panels for tool display
- Total opening lower drawer on telescopic slides with oil-proof rubber mat
- Doors opening at 180°
- Security lock with centralized key
- Possibility to hang it on the wall or to position it on workbenches
- Sheet steel casing, epoxy process
- Overall dimensions (open): 1380x515x810 mm
- Inside drawer dimensions: 570x210x60 mm
- Maximum drawer load: 15 Kg
- Available surface: 0,8 m²
- Hooks and supports not supplied for the empty cabinet

LxPxH mm	kg	code	
720x280x810	31	05020002	1


502 A1/B5

Tool cabinet with assortment 496 B5 for car repair (108 pcs.)

code  05020010 1

502 A1/E6


Tool cabinet with assortment 496 E6 for industrial maintenance (123 pcs.)

code  05020011 1



502 KA2

Kit with hooks and supports for cabinet 502 A2 (120 pcs.)


code  005020021 1

- Assortment with sheet steel supports for wrenches, screwdrivers, pliers, sockets
- Single steel hooks

502 A2


Empty tool cabinet - 2 drawers

- Same features of model 502 A1
- Doors with additional perforated panel
- Overall dimensions (open): 1380x515x1000 mm
- Available surface: 1,8 m²
- Hooks and supports not supplied for the empty cabinet

LxPxH mm	kg	code	
720x280x1000	45	05020004	1


502 A2/B6

Tool cabinet with assortment 496 B6 for car repair (139 pcs.)

code  05020020 1


502 A2/B7

Tool cabinet with assortment 496 B7 for car repair (198 pcs.)

code  05020021 1


502 A2/E6

Tool cabinet with assortment 496 E6 for industrial maintenance (123 pcs.)

code  05020025 1


502 A2/E7

Tool cabinet with assortment 496 E7 for industrial maintenance (204 pcs.)

code  05020027 1

502 A2/EP6

Tool cabinet with assortment 496 EP6 for industrial maintenance (117 pcs.)

code  05020026 1



503

Multi purpose trolley

- For carrying heavy and bulky materials
- Oil and solvent resistant rubber mat and reclining drawbar
- Oil-proof rubber wheels (Ø 100 mm), two fixed and two swivelling, one of which with brake
- Sheet steel body with anaphoretic process
- Maximum load: 250 Kg
- Overall dimensions: closed 745x455x270 mm

LxPxH mm	▲ Kg	code	
790x455x890	14	05030001	1



513 BX6V

Booster roller cabinet - 6 drawers (empty)

- Work top in wood covered with galvanized sheet steel (24 mm)
- Outside protection of trolley and drawers to avoid accidental damages
- Total opening drawers on telescopic ball-bearing slides, provided with oil-proof rubber mats
- Drawer opening system with front handle and centralized security locking
- Wide compartment for objects and tool box
- Side panels arranged for mounting optional accessories
- Oil-proof rubber wheels (Ø 150 mm), two fixed and two swivelling, one of which with brake
- Sheet steel casing with epoxy process
- Maximum static load: 1000 Kg
- Drawer loading capacity: 20 Kg (30 Kg for drawer 270 mm height)
- Inside dimensions:
 - 3 drawers 570x420x60 mm,
 - 2 drawers 570x420x130 mm,
 - 1 drawer 570x420x270 mm


LxPxH mm	▲ Kg	code	
1050x500x1000	103	05130081	1



513 BX6LV

Booster roller cabinet - 6 drawers (empty)

- Model with multilayer wooden top (24 mm.)
- Same features the model with galvanized sheet steel top


LxPxH mm	▲ Kg	code	
1050x500x1000	103	05130085	1



514 BV

Bull roller cabinet - 6 drawers (empty)

- Work surface in multilayer wood
- Total opening drawers on telescopic ball-bearing slides, provided with oil-proof rubber mats
- Tool cabinet with two shelves and rolling shutter closure
- Two spaces for objects and small parts and two open spaces for bulky objects
- Oil-proof rubber wheels (ø 150 mm), two fixed and two swivelling
- Handle with stability device
- Sheet steel casing, anaphoretic process
- Maximum static load: 1000 Kg
- Inside dimensions:
 - 4 drawers 570x420x60 mm
 - 1 drawer 570x420x115 mm
 - 1 drawer 570x420x190 mm
- Non compatible with roll-paper holder 514PR


LxPxH mm	kg	code	
1265x755x925	148	514001	1



514 EV

Bull roller cabinet - 8 drawers (empty)

- Work surface in multilayer wood
- Total opening drawers on telescopic ball-bearing slides, provided with oil-proof rubber mats
- Tool cabinet with two shelves and rolling shutter closure
- Four spaces for objects and small parts and space for roll-paper or cans
- Open spaces for bulky objects
- Oil-proof rubber wheels (ø 150 mm), two fixed and two swivelling
- Handle with stability device
- Sheet steel casing, anaphoretic process
- Maximum static load: 1000 Kg
- Inside dimensions:
 - 2 drawers 570x420x60 mm
 - 2 drawers 570x420x115 mm
 - 2 drawers 410x420x60 mm
 - 2 drawers 410x420x115 mm
- Compatible with roll-paper holder 514PR


LxPxH mm	kg	code	
1265x755x925	171	514004	1



514 PR

Roll-paper holder

- Only for Bull 514 EV


kg	code	
650	514101	1



516 S6V

START roller cabinet - 6 drawers (empty)

- Work top in high resistant ABS
- Total opening drawers
- Telescopic ball-bearing slides
- Inside oil-proof rubber mats
- Centralized security locking
- Oil-proof rubber wheels (Ø 125 mm): two fixed and two swivelling, one of which with brake
- Sheet steel casing with epoxy process
- Maximum static load: 800 Kg
- Drawer loading capacity: 20 Kg (30 Kg for drawer h 200 mm height)
- Inside dimensions:
 - 3 drawers 50x420x60 mm
 - 2 drawers 570x420x130 mm
 - 1 drawer 570x420x200 mm

LxPxH mm	▲ Kg	code	
815x505x1.000	55	05160001	1



518 SX5V

Sprint roller cabinet - 5 drawers (empty)

- Work top in high resistant ABS
- Total opening drawers on telescopic ball-bearing slides, provided with oil-proof rubber mats
- Centralized security locking
- Side panels arranged for mounting optional accessories
- Oil-proof rubber wheels (Ø 125 mm), two fixed and two swivelling, one of which with brake
- Sheet steel casing with epoxy process
- Maximum static load: 800 Kg
- Drawer loading capacity: 20 Kg (30 Kg for drawer 270 mm height)
- Inside dimensions:
 - 2 drawers 570x420x60 mm,
 - 2 drawers 570x420x130 mm,
 - 1 drawer 570x420x270 mm

LxPxH mm	▲ Kg	code	
740x505x1000	65	05180093	1



518 SX6V

Sprint roller cabinet - 6 drawers (empty)

- Model with 6 drawers and the same features of Sprint roller cabinet 5 drawers
- Inside dimensions:
 3 drawers 570x420x60 mm,
 2 drawers 570x420x130 mm,
 1 drawer 570x420x200 mm

LxPxH mm	kg	code	
740x505x1000	67	05180094	1

518 SX6B



Roller cabinet SPRINT with basic assortment 495 B (64 pcs.)

kg	code	
78	05180049	1

518 SX6A1



Roller cabinet SPRINT with assortment 495 A1 for car repair (81 pcs.)

kg	code	
95	05180050	1

518 SX6A2



Roller cabinet SPRINT with assortment 495 A2 for car repair (119 pcs.)

kg	code	
102	05180051	1

518 SX6I1



Roller cabinet SPRINT with assortment 495 I1 for industrial maintenance (83 pcs.)

kg	code	
95	05180060	1

518 SX6I2



Roller cabinet SPRINT with assortment 495 I2 for industrial maintenance (101 pcs.)

kg	code	
100	05180061	1



518 SX7V

Sprint roller cabinet - 7 drawers (empty)

- Model with 7 drawers and the same features of Sprint roller cabinet 5 drawers
- Inside dimensions:
 5 drawers 570x420x60 mm,
 1 drawer 570x420x130 mm,
 1 drawer 570x420x200 mm

LxPxH mm	kg	code	
740x505x980	69	05180095	1



3
MODULES

519 R5/3V

RACING roller cabinet - 6 drawers (empty)

- Possibility to store 3 modules in each drawer
- Work top in non-scratch Aluminium
- Ergonomic built-in handle
- Housings for screwdrivers and arrangement for perforated panel fitting
- Outside protection for trolley and drawers
- Total opening drawers on telescopic ball-bearing slides
- Drawers with anodized Aluminium handles
- Inside oil-proof rubber mats
- Quick drawer opening system
- Centralized security locking
- Side and lower panels arranged for mounting optional accessories
- Oil-proof rubber wheels (Ø 125 mm): two fixed and two swivelling, one of which with brake
- Sheet steel casing with epoxy process
- Maximum static load: 900 Kg
- Drawer loading capacity: 20 Kg (35 Kg for drawer h 270 mm)
- Inside dimensions:
 - 2 drawers 570x420x60 mm
 - 2 drawers 570x420x130 mm
 - 1 drawer 570x420x270 mm

LxPxH mm	Kg	code	
774x546x971	70	05190413	1




3
MODULES

519 R6/3V

RACING roller cabinet - 6 drawers (empty)

- Possibility to store 3 modules in each drawer
- Same features of Racing roller cabinet with 5 drawers
- Inside dimensions:
 - 4 drawers 570x420x60 mm
 - 1 drawer 570x420x130 mm
 - 1 drawer 570x420x270 mm

LxPxH mm	Kg	code	
774x546x971	72	05190414	1

THE FIRST ROLLER CABINET WITH MODULAR RANGE



3
MODULES

L=774 mm



4
MODULES

L=964 mm



5
MODULES

L=1154 mm



3
MODULES

519 R7/3V

RACING roller cabinet - 7 drawers (empty)

- Possibility to store 3 modules in each drawer
- Work top in non-scratch Aluminium
- Ergonomic built-in handle
- Housings for screwdrivers and arrangement for perforated panel fitting
- Outside protection for trolley and drawers
- Total opening drawers on telescopic ball-bearing slides
- Drawers with anodized Aluminium handles
- Inside oil-proof rubber mats
- Quick drawer opening system
- Centralized security locking
- Side and lower panels arranged for mounting optional accessories
- Oil-proof rubber wheels (Ø 125 mm): two fixed and two swivelling, one of which with brake
- Sheet steel casing with epoxy process
- Maximum static load: 900 Kg
- Drawer loading capacity: 20 Kg (30 Kg for drawer h 270 mm)
- Inside dimensions: 5 drawers 570x420x60 mm
1 drawer 570x420x130 mm
1 drawer 570x420x200 mm

LxPxH mm	kg	code	
774x547x971	74	05190415	1

519 R7/3B



RACING roller cabinet with basic assortment 495 B (64 pcs.)

kg	code	
90	05190501	1

519 R7/3A1



RACING roller cabinet with assortment 495 A1 for car repair (81 pcs.)

kg	code	
95	05190511	1

519 R7/3A2



RACING roller cabinet with assortment 495 A2 for car repair (119 pcs.)

kg	code	
102	05190512	1

519 R7/3I1



RACING roller cabinet with assortment 495 I1 for industrial maintenance (83 pcs.)

kg	code	
95	05190521	1

519 R7/3I2



RACING roller cabinet with assortment 495 I2 for industrial maintenance (101 pcs.)

kg	code	
100	05190522	1



3
MODULES

519 R8/3V

RACING roller cabinet - 8 drawers (empty)

- Possibility to store 3 modules in each drawer
- Same features of Racing roller cabinet with 7 drawers
- Inside dimensions: 6 drawers 570x420x60 mm
2 drawers 570x420x130 mm

LxPxH mm	kg	code	
774x547x971	76	05190416	1



4
MODULES

519 R6/4V

RACING roller cabinet - 6 drawers (empty)

- Possibility to store 4 modules in each drawer
- Work top in non-scratch Aluminium
- Ergonomic built-in handle
- Housings for screwdrivers
- Outside protection for trolley and drawers
- Total opening drawers on telescopic ball-bearing slides
- Drawers with anodized Aluminium handles
- Inside oil-proof rubber mats
- Quick drawer opening system
- Centralized security locking
- Side and lower panels arranged for mounting optional accessories
- Oil-proof rubber wheels (Ø 125 mm): two fixed and two swivelling, one of which with brake
- Sheet steel casing with epoxy process
- Maximum static load: 1.000 Kg
- Drawer loading capacity: 25 Kg (45 Kg for drawer h 270 mm)
- Inside dimensions:
 - 4 drawers 760x420x60 mm
 - 1 drawer 760x420x130 mm
 - 1 drawer 760x420x270 mm

LxPxH mm	kg	code	
964x546x971	83	05190419	1

519 R6/5V

5
MODULES

RACING roller cabinet - 6 drawers (empty)

- Possibility to store 5 modules in each drawer
- Work top in non-scratch Aluminium
- Ergonomic built-in handle
- Housings for screwdrivers
- Outside protection for trolley and drawers
- Total opening drawers on telescopic ball-bearing slides
- Drawers with anodized Aluminium handles
- Inside oil-proof rubber mats
- Quick drawer opening system
- Centralized security locking
- Side and lower panels arranged for mounting optional accessories
- Oil-proof rubber wheels (Ø 160 mm): two fixed and two swivelling, one of which with brake
- Sheet steel casing with epoxy process
- Maximum static load: 1.100 Kg
- Drawer loading capacity: 35 Kg (50 Kg for drawer h 200 mm)
- Inside dimensions:
 - 3 drawers 950x420x60 mm
 - 2 drawers 950x420x130 mm
 - 1 drawer 950x420x200 mm

LxPxH mm	kg	code	
1154x546x1000	94	05190420	1





519 RA1

Waste holder

- For Racing, Sprint and Booster

kg	code	img
3,2	05190207	1



519 RA2

Document holder

- For Racing, Sprint and Booster

kg	code	img
1,2	05190208	1



519 RA3

Perforated panel

- For Racing (version 3 modules)

kg	code	img
5,4	05190209	1



519 RA4

Roll-paper holder

- For Racing, Sprint and Booster

kg	code	img
0,8	05190210	1



519 RA5

Spray-holder

- For Racing, Sprint and Booster

kg	code	img
1,5	05190211	1



519 SB

Dividers

- For Racing, Sprint, Start, Booster, Bull and Maxi
- For 570x420 drawers

size	code	img
50	519022	1
100	519023	1



519 SC 50

Cross-type dividers

- For Racing, Sprint, Start, Booster and Bull
- For 570x420 drawers

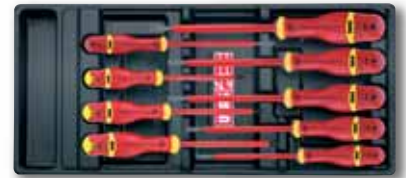
kg	code	img
1,5	519024	1



519 SKV5

Plastic tray (14 compartments)

LxPxH mm	code	img
415x188x45	Q519024	1



519/092H

Assortment in plastic tray (9 pcs.)

pcs	description	item/size
6	Screwdrivers for slot-head screws/ 0,4x2,5x50-0,5x3x75-0,6x3,5x100- 0,8x4x100-1x5,5x125-1,2x6,5x150	092
3	Screwdrivers for PHILLIPS® screws/ 0x75-1x100-2x125	092 PH

LxPxH mm	code	img
415x188x45	05190771	1

519/092HV

Empty tray

LxPxH mm	code	img
415x188x45	Q05190337	1



519/127N

Assortment in plastic tray (4 pcs.)

pcs	description	item/size
1	Pliers with nose bent to 90° for external circlips	128 PN/19÷60
1	Pliers with straight nose for external circlips	128 N/19÷60
1	Pliers with nose bent to 90° for internal circlips	127 PN/19÷60
1	Pliers with straight nose for internal circlips	127 N/19÷60

LxPxH mm	code	img
415x188x45	05190716	1

519/127NV

Empty tray

LxPxH mm	code	img
415x188x45	Q05190301	1



519/150A

Assortment in plastic tray (5 pcs.)

pcs	description	item/size
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 A/180
1	Box-joint adjustable pliers	180 C/250
1	Heavy-duty diagonal cutting nippers	188 A/160

LxPxH mm	code	item
415x188x45	05190712	1

519/150AV

Empty tray

LxPxH mm	code	item
415x188x45	Q05190302	1



519/200I

Assortment in plastic tray (11 pcs.)

pcs	description/size	item
1	Hacksaw	200 S
1	Scissors for electricians	207 S
2	Chisels	362/125-150
1	Cross cut chisel	364/125
2	Drift punches/4x150-3x125	366
1	Centre punch	368/4x125
1	Mallet	376/35
1	Hammer for mechanics	382/500
1	Thickness gauges	966/20

LxPxH mm	code	item
415x565x45	05190715	1

519/200IV

Empty tray

LxPxH mm	code	item
415x188x45	Q05190322	1



519/233C

Assortment in plastic tray (12 pcs.)

pcs	description/size	item
4	Socket bits for Torx screws/ T40L-T45L-T55L-T70L	233 1/2" NTX
4	Socket bits for XZN screws/ 6L-8L-10L-12L	233 1/2" NXZN
4	Socket bits for Allen screws/ 5L2-6L-7L-8L	234 1/2" N

LxPxH mm	code	item
415x188x45	05190718	1

519/233CV

Empty tray

LxPxH mm	code	item
415x188x45	Q05190330	1



519/234C

Assortment in plastic tray (22 pcs.)

pcs	description/size	item
7	Socket bits for Torx screws/ T27-T30-T40-T45-T50-T55-T60	233 1/2" NTX
8	Socket bits for Allen screws/ 5-6-7-8-10-12-14-17	234 1/2" N
7	Torx sockets/ E10-E12-E14-E16-E18-E20-E24	235 1/2" NTX

LxPxH mm	code	item
415x188x45	05190720	1

519/234CV

Empty tray

LxPxH mm	code	item
415x188x45	Q05190310	1



519/252NA

Assortment in plastic tray (8 pcs.)

pcs	description/size	item
8	Double ended open jaw wrenches/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22	252 N

LxPxH mm	code	item
415x188x45	05190722	1

519/252NAV

Empty tray

LxPxH mm	code	item
415x188x45	Q05190304	1



519/252NB

Assortment in plastic tray (4 pcs.)

pcs	description/size	item
4	Double ended open jaw wrenches/ 21x23-24x27-25x28-30x32	252 N

LxPxH mm	code	item
415x188x45	05190723	1

519/252NBV

Empty tray

LxPxH mm	code	item
415x188x45	Q05190305	1



519/276


Assortment in plastic tray (8 pcs.)

pcs	description/size	item
8	T-handle wrenches with jointed hexagonal socket/7-8-10-11-13-14-17-19	276 CE

LxPxH mm	code	item
415x565x45	05190725	1

519/276V

Empty tray


LxPxH mm	code	
415x565x45	Q05190323	1



519/280 H


Assortment in plastic tray (7 pcs.)

pcs	description/size	item
7	Angled hexagon keys with handgrip/ 2-2,5-3-4-5-6-8	280 H

LxPxH mm	code	
415x188x45 mm	05190730	1

519/280HV

Empty tray


LxPxH mm	code	
415x188x45	Q05190335	1



519/280T


Assortment in plastic tray (8 pcs.)

pcs	description/size	item
8	T-handle hexagon keys/2-2,5-3-4-5-6-8-10	280 T

LxPxH mm	code	
420x380x45	05190727	1

519/280TV

Empty tray


LxPxH mm	code	
415x380x45	Q05190326	1



519/283NA


Assortment in plastic tray (8 pcs.)

pcs	description/size	item
8	Double ended offset bihexagonal ring wrenches/6x7-8x9-10x11-12x13- 14x15-16x17-18x19-20x22	283 N

LxPxH mm	code	
415x188x45	05190756	1

519/283AV

Empty tray


LxPxH mm	code	
415x188x45	Q05190333	1



519/285K


Assortment in plastic tray (8 pcs.)

pcs	description/size	item
8	Reversible ratchet combination wrenches/ 8-10-11-12-13-14-17-19	285 K

LxPxH mm	code	
415x188x45	05190721	1

519/285KV

Empty tray


LxPxH mm	code	
415x188x45	Q05190304	1



519/285A


Assortment in plastic tray (21 pcs.)

pcs	description/size	item
1	Set of nine angled hexagon keys (1,5÷10)	280 S9
12	Combination wrenches/ 7-8-9-10-11-12-13-14-17-19-22-24	285

LxPxH mm	code	
415x188x45	05190728	1

519/285AV

Empty tray


LxPxH mm	code	
415x188x45	Q05190306	1



519/285B


Assortment in plastic tray (6 pcs.)

pcs	description	item/size
6	Combination wrenches/6-15-16-18-27-30	285

LxPxH mm	code	
415x188x45	05190729	1

519/285BV

Empty tray


LxPxH mm	code	
415x188x45	Q05190307	1



519/291N


Assortment in plastic tray (11 pcs.)

pcs	description/size	item
11	Double ended hollow offset socket wrenches/ 8-10-11-12-13-14-15-16-17-18-19	291 N

LxPxH mm	code	
415x188x45	05190731	1

519/291NV

Empty tray

LxPxH mm	code	
415x188x45	Q05190308	1



519/294

Assortment in plastic tray (9 pcs.)

pcs	description	item/size
1	Shears for sheet steel	204/250
1	Adjustable wrench	294 A/250
6	Pin punches/2x110-3x130-4x145-5x165-6x180-8x200	367
1	Tape rules	981 G/2

LxPxH mm	code	1
415x188x45	05190732	1

519/294V

Empty tray

LxPxH mm	code	1
415x188x45	Q05190309	1



519/297

Assortment in plastic tray (7 pcs.)

pcs	description/size	item
7	Double ended wrenches with single-jointed bihexagonal sockets/6x7-8x9-10x11-12x13-14x15-16x17-18x19	297 N

LxPxH mm	code	1
415x188x45	05190733	1

519/297V

Empty tray

LxPxH mm	code	1
415x188x45	Q05190311	1



519/298

Assortment in plastic tray (8 pcs.)

pcs	description/size	item
5	Hexagonal socket spinners with grip/6-7-8-10-13	298
3	Long hexagonal socket spinners with grip/7-8-10	298 L

LxPxH mm	code	1
415x188x45	05190758	1

519/298V

Empty tray

LxPxH mm	code	1
415x188x45	Q05190327	1



519/298SN

Assortment in plastic tray (8 pcs.)

pcs	description/size	item
4	Hexagonal socket spinners with grip/6-7-8-10	298
4	Flexible hexagonal socket spinners with grip/6-7-8-10	298 SN

LxPxH mm	code	1
415x188x45	05190759	1

519/298SNV

Empty tray

LxPxH mm	code	1
415x188x45	Q05190327	1



519/322H

Assortment in plastic tray (10 pcs.)

pcs	description/size	item
5	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150-1,2x8x200	322
1	Screwdriver for slot-head screws/0,8x4x35	322 N
1	Screwdriver for Phillips® screws/2x35	322 NPH
3	Screwdrivers for PHILLIPS® screws/0x75-1x75-2x100	322 PH

LxPxH mm	code	1
415x188x45	05190772	1

519/322HV

Empty tray

LxPxH mm	code	1
415x188x45	Q05190338	1



519/324B

Assortment in plastic tray (11 pcs.)

pcs	description/size	item
1	Screwdriver for slot-head screws/0,8x4x100	092
1	Screwdriver for PHILLIPS® screws/1x100	092 PH
1	Phase-testing screwdriver 110÷380 Volts	322 F
4	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150	324
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH

LxPxH mm	code	1
415x188x45	05190776	1

519/324BV

Empty tray

LxPxH mm	code	1
415x188x45	Q05190342	1



519/324H

Assortment in plastic tray (10 pcs.)

pcs	description/size	item
5	Screwdrivers for slot-head screws/0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150-1,2x8x200	324
1	Screwdriver for slot-head screws/0,8x4x35	324 N
1	Screwdriver for Phillips® screws/2x35	324 NPH
3	Screwdrivers for Phillips® screws/0x75-1x75-2x100	324 PH

LxPxH mm	code	1
415x188x45	05190774	1

519/324HV

Empty tray

LxPxH mm	code	1
415x188x45	Q05190340	1



519/324TX

Assortment in plastic tray (9 pcs.)

pcs	description/size	item
4	Screwdrivers for TORX screws/ T6x50-T7x50-T8x50-T9x75	324 TX
5	Screwdrivers for Torx Tamper Resistant® screws/T10x75-T15x75-T20x100-T25x100- T30x125	324 STX

LxPxH mm	code	1
415x188x45	05190775	1

519/324TXV

Empty tray

LxPxH mm	code	1
415x188x45	Q05190341	1



519/366

Assortment in plastic tray (7 pcs.)

pcs	description	item/size
1	Ribbed chisel	351/200
2	Chisels/125-150	362
1	Cross cut chisel	364/125
2	Drift punches/3x125-4x150	366
1	Centre punch	368/4x125

LxPxH mm	code	1
415x188x45	05190740	1

519/366V

Empty tray

LxPxH mm	code	1
415x188x45	Q05190312	1



519/382

Assortment in plastic tray (2 pcs.)

pcs	description	item/size
1	Mallet	376/35
1	Hammer for mechanics	382/500

LxPxH mm	code	1
415x188x45	05190741	1

519/382V

Empty tray

LxPxH mm	code	1
415x188x45	Q05190318	1



519/613A

Assortment in plastic tray (28 pcs.)

pcs	description/size	item
13	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14	235 1/4" EN
2	Extensions/50-150	236 1/4"
1	Reversible ratchet	237 A 1/4"
1	Universal joint	241 1/4"
1	Spinner with Logic handle	243 1/4"
9	Set of nine long angled hexagon keys with spherical head/(1,5÷10)	280 LTS/S9

LxPxH mm	code	1
415x188x45	05190744	1

519/613ASI

Assortment in plastic tray (28 pcs.)

pcs	description	item/size
13	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14	235 1/4" EN
2	Extensions/50-150	236 1/4"
1	Reversible ratchet	237 1/4" SI
1	Universal joint	241 1/4"
1	Spinner with Logic handle	243 1/4"
1	Set of nine long angled hexagon keys with spherical head/(1,5÷10)	280 LTS/S9

LxPxH mm	code	1
415x188x45	05190745	1

519/613AV

Empty tray

LxPxH mm	code	1
415x188x45	Q05190315	1



519/613B

Assortment in plastic tray (21 pcs.)

pcs	description/size	item
16	Hexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18- 19-21-22	235 3/8" E
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	code	1
415x188x45	05190747	1

519/613BSI

Assortment in plastic tray (21 pcs.)

pcs	description/size	item
16	Hexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18- 19-21-22	235 3/8" E
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	code	1
415x188x45	05190748	1

519/613BV

Empty tray

LxPxH mm	code	1
415x188x45	Q05190314	1



519/613CN

Assortment in plastic tray (22 pcs.)

pcs	description/size	item
17	Hexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20- 21-22-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	code	1
415x188x45	05190750	1

519/613CNSI

Assortment in plastic tray (22 pcs.)

pcs	description/size	item
17	Hexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20- 21-22-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	code	1
415x188x45	05190751	1

519/613CV

Empty tray

LxPxH mm	code	1
415x188x45	Q05190313	1



519/960

Assortment in plastic tray (7 pcs.)

pcs	description	item/size
1	Scissors for electricians	207 S
1	Utility knife with snap-off blades	220 B
1	Vernier caliper to 1/20 mm	960
1	Thickness gauges	966/20
1	Scriber	974
1	Flexible graduated rule	978 A/200
1	Tape rule	981 G/3

LxPxH mm	code	1
415x188x45	05190753	1

519/960V

Empty tray

LxPxH mm	code	1
415x188x45	Q05190319	1



519/990

Assortment in plastic tray, second cut (5 pcs.)

pcs	description	item/size
1	Flat square file	990 M PA/200
1	Half-round file	990 M PB/200
1	Round file	990 M PC/200
1	Square file	990 M PD/200
1	Triangular file	990 M PE/200

LxPxH mm	code	1
415x188x45	05190754	1



519/990B

Assortment in plastic tray, bastard cut (5 pcs.)

pcs	description	item/size
1	Triangular file	990 B PE/200
1	Square file	990 B PD/200
1	Round file	990 B PC/200
1	Half-round file	990 B PB/200
1	Flat square file	990 B PA/200

LxPxH mm	code	1
415x188x45	05190755	1

519/990V

Empty tray

LxPxH mm	code	1
415x188x45	Q05190320	1



521 RX3V

Racing roller cabinet - 3 drawers (empty)

- Total opening side drawers with removable inside dividers and handles with seats for T-handle wrenches
- Central compartment for voluminous objects
- Front drawer h. 200 mm for bulky equipments
- Work top in high resistance plastic material with built-in bimaterial handle
- Housing for small objects and holes for screwdrivers
- Shock-resistant profiles on uprights
- Sides arranged for mounting optional accessories
- Preset on both sides for fitting with compartment 521 RA1
- Oil-proof rubber wheels Ø 125 mm
- Sheet steel structure
- Centralized security locking
- Maximum static load: 500 Kg.
- Maximum drawer loading capacity: 50 Kg.
- Inside dimensions:
front drawer 570x420x200 mm,
side drawers 335x360x110 mm
middle compartment 610x480x320 mm
- Outside dimensions (open): 1740x538x970 mm

LxPxH mm	kg	code	1
803x538x970	60	05210010	1

521 RX3A

Roller cabinet with assortment 496 B1 for car repair (86 pcs.)

kg	code	1
75	05210100	1



521 RA1

Compartment

- Only for model 521 RX3V Racing


kg	code	1
1,1	05210200	1



523 SX4V

Sprint drawer chest - 4 drawers (empty)

- Combinable with roller cabinet 518 SX
- Work top in high resistance plastic material
- Total opening drawers on telescopic ball-bearing slides, provided with oil-proof rubber mats
- Centralized security locking
- Steel sheet casing with epoxy process
- Drawer loading capacity: 20 Kg
- Inside dimensions:
3 drawers 570x420x60 mm,
1 drawer 570x420x130 mm


LxPxH mm	kg	code	
735x510x480	41	05230002	1



525 V

Drawer chest - 4 drawers (empty)

- Drawers on telescopic slides
- Upper compartment with two fixed dividers and a removable tray 531 C
- Central locking securing drawers when lid is closed
- Flush-type handles on both sides
- Sheet steel casing with epoxy process
- Inside dimensions:
upper compartment 630x280x70 mm
3 drawers 570x270x47 mm
1 drawer 570x270x72 mm

LxPxH mm	kg	code	
650x305x350	20	525101	1

525 B

Drawer chest with basic assortment 496 A2 (73 pcs.)


kg	code	
34	05250005	1



526 V

Drawer chest (empty)

- Model with the same characteristics as drawer chest 525 V,
- Inside dimensions:
upper compartment 630x280x70 mm
1 drawer 110x270x47 mm
2 drawers 200x270x47 mm
2 drawers 570x270x47 mm
1 drawer 570x270x72 mm

LxPxH mm	kg	code	
650x305x350	21	526001	1

526 A

Drawer chest with tool assortment 496 B2 for car repair (135 pcs.)

kg	code	
48	05260003	1

526 B

Drawer chest with basic assortment 496 A2 (73 pcs.)

kg	code	
35	05260005	1



527 V


Drawer chest - 10 drawers (empty)

- Same features of drawer chest 525 V
- Inside dimensions:
upper compartment 630x280x70 mm
1 drawer 110x270x156 mm
6 drawers 200x270x47 mm
2 drawers 570x270x47 mm
1 drawer 570x270x72 mm

LxPxH mm	kg	code	
650x305x460	27	527001	1


527 A

Drawer chest with tool assortment 496 B3 for car repair (186 pcs.)

kg	code	
62	05270003	1

527 I

Drawer chest with tool assortment 496 E3 for industrial maintenance (165 pcs.)

kg	code	
57	05270010	1



528 V

Drawer chest - 6 drawers (empty)

- Same features of drawer chest 525 V
- Inside dimensions:
upper compartment 630x280x70 mm
5 drawers 570x270x47 mm
1 drawer 570x270x70 mm

LxPxH mm	kg	code	
650x305x460	24	528001	1

528 I

Drawer chest with tool assortment 496 E3 for industrial maintenance (165 pcs.)

kg	code	
53	05280010	1


528 IP

Drawer chest with tool assortment 496 EP3 for industrial maintenance (153 pcs.)

kg	code	
51	05280011	1

528 MT

Drawer chest with tool assortment 496 D1 for earth moving machines (151 pcs.)

kg	code	
56	05280015	1

528 MTP

Drawer chest with tool assortment 496 DP1 for earth moving machines (136 pcs.)

kg	code	
53	05280016	1



530 V

Tool box - 2 drawers (empty)

- Drawers on telescopic slides
- Upper compartment with removable tray 531 C
- Two lockable pull-down catches, drawers lock when lid is down
- Flush-type central handle
- Sheet steel casing, with epoxy process
- Inside dimensions:
compartment 510x218x56 mm
1 drawer 435x190x47 mm
1 drawer 435x190x72 mm

LxPxH mm	♯ Kg	code	
515x220x240	9	530001	1

530 BA

Tool box with basic assortment 496 A1 (47 pcs.)

♯ Kg	code	
14	05300005	1



532

Tool case

- Opening with stop at 95°
- Lock closing hook
- Sheet steel casing, thickness 1,2 mm

size	LxPxH mm	♯ Kg	code	
A	520x290x290	6,8	05320005	1
B	650x350x350	12,5	05320006	1
C	850x350x350	16	05320007	1
D	1000x400x450	19	05320008	1

532 R

Compartments for tool case

- Removable compartment in enamelled sheet steel

size	for case	LxPxH mm	♯ Kg	code	
A	A	390x244x50	1,2	Q05320005	1
B	B - C	500x306x50	1,6	Q05320006	1
D	D	500x400x50	1,8	Q05320008	1

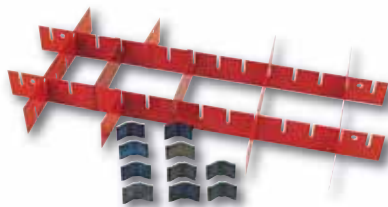


536 A

Dividers

- For 525 V÷528 V
- Supplied with locking springs
- For 570x270 drawers

H mm	♯ gr	code	
30	325	536012	1

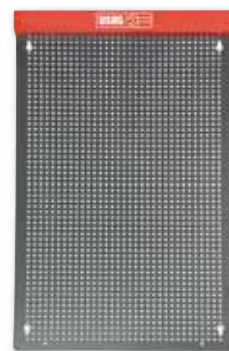


536 B

Cross-type dividers

- For 525 V÷528 V
- Supplied with locking springs
- For 570x270 drawers

H mm	♯ gr	code	
30	810	536021	1
50	1350	536022	1



545 PT

Perforated panel

- Hole diameter 5 mm
- Enamelled sheet steel; thickness 2 mm
- Combinable with screw-hooks 552÷559
- Combinable with hooks for display stands

LxPxH mm	♯ Kg	code	
459x2x740	3,5	05450001	1



545 V

Tray for panel

- Enamelled sheet steel

LxPxH mm	á gr	code	
445x27x140	938	545003	1



552 DV

Straight adjustable hooks

- Phosphatised steel

L mm	á gr	code	
40	15	552181	50
80	23	552182	50
100	27	552183	50
170	40	552184	50



552 V

Bent adjustable hooks

- Phosphatised steel

L mm	á gr	code	
40	16	552081	50
80	24	552082	50
100	27	552083	50
170	40	552084	50



553 V

Bent hooks

- Phosphatised steel

L mm	á gr	code	
80	26	553181	50
170	41	553182	50



554 V

Bent hook

- Phosphatised steel

L mm	á gr	code	
30	19	554181	50



555 V

Half-bent hook

- Phosphatised steel

L mm	á gr	code	
45	22	555181	50



557 V

Spring hooks

- Phosphatised steel

n°	capacity mm	á gr	code	
1	6÷8	11	557181	50
2	9÷11	13	557182	50
3	12÷16	13	557183	50
4	17÷22	14	557184	50
5	23÷29	20	557185	20
6	30÷37	23	557186	20
7	38÷48	23	557187	20



559

Plastic stands for sockets

- Plastic material

"	á gr	code	
3/4	10	559011	25
1/2	3	559012	50
3/8	3	559013	25



559 B

Metal holders

- For 559 plastic stands
- Enamelled steel sheet

L mm	á gr	code	
170	40	559014	5
250	65	559015	5
500	130	559016	5



600 3/8"

Assortment in sheet steel box (13 pcs)

pcs	description/size	item
2	Extensions/125-150	236 3/8"
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"
9	Crow-foot wrenches/ 10-11-12-13-14-17-19-22-24	257 3/8"

LxPxH mm	á Kg	code	
320x140x50	1,8	600081	1



603 N 1/4" E

FullContact

Assortment in sheet steel box (14 pcs)

pcs	description/size	item
11	Hexagonal sockets/ 4-5-5,5-6-7-8-9-10-11-12-13	235 1/4" EN
1	Extension	236 1/4"/100
1	T-handle with sliding square drive	240 1/4"
1	Spinner with handle	243 1/4"

LxPxH mm	á Kg	code	
235x90x35	0,7	603003	1

603 N 1/4" EP

FullContact

Assortment in sheet steel box (14 pcs)

pcs	description/size	item
11	Hexagonal sockets/ 5/32-3/16-7/32-1/4-9/32-5/16-11/32-3/8- 7/16-1/2-9/16	235 1/4" EPN
1	Extension	236 1/4"/100
1	T-handle with sliding square drive	240 1/4"
1	Spinner with handle	243 1/4"

LxPxH mm	á Kg	code	
235x90x35	0,7	603004	1



603 N 3/8" FullContact

Assortment in sheet steel box with bihexagonal sockets (12 pcs)

pcs	description	item/size
9	Bihexagonal sockets/ 7-8-10-11-12-13-14-17-19	235 3/8"
1	Extension	236 3/8"/125
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N

LxPxH mm	kg	code	
280x100x40	1,5	603020	1

603 N 3/8" E FullContact

Assortment in sheet steel box with hexagonal sockets (12 pcs)

pcs	description	item/size
9	Hexagonal sockets/ 7-8-10-11-12-13-14-17-19	235 3/8" E
1	Extension	236 3/8"/125
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N

LxPxH mm	kg	code	
280x100x40	1,5	603023	1

603 N 3/8" ESI FullContact

Assortment in sheet steel box with hexagonal sockets (12 pcs)

pcs	description	item/size
9	Hexagonal sockets/ 7-8-10-11-12-13-14-17-19	235 3/8" E
1	Extension	236 3/8"/125
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N

LxPxH mm	kg	code	
280x100x40	1,5	603025	1

603 N 3/8" P FullContact

Assortment in sheet steel box with bihexagonal sockets (12 pcs)

pcs	description	item/size
9	Bihexagonal sockets/ 1/4-5/16-3/8-7/16-1/2-9/16-5/8-11/16-3/4	235 3/8" P
1	Extension	236 3/8"/125
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N

LxPxH mm	kg	code	
280x100x40	1,5	603026	1

603 N 3/8" SI FullContact

Assortment in sheet steel box with bihexagonal sockets (12 pcs)

pcs	description	item/size
9	Bihexagonal sockets/ 7-8-10-11-12-13-14-17-19	235 3/8"
1	Extension	236 3/8"/125
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N

LxPxH mm	kg	code	
280x100x40	1,5	603022	1

603 N 3/8" SIP FullContact

Assortment in sheet steel box with bihexagonal sockets (12 pcs)

pcs	description	item/size
9	Bihexagonal sockets/ 1/4-5/16-3/8-7/16-1/2-9/16-5/8-11/16-3/4	235 3/8" P
1	Extension	236 3/8"/125
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N

LxPxH mm	kg	code	
280x100x40	1,5	603028	1



603 N 1/2" FullContact

Assortment in sheet steel box with bihexagonal sockets (16 pcs)

pcs	description	item/size
13	Bihexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-21-22-24	235 1/2" N
1	Extension	236 1/2"/250
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N

LxPxH mm	kg	code	
325x140x52	3,3	06032015	1

603 N 1/2" E FullContact

Assortment in sheet steel box with hexagonal sockets (16 pcs)

pcs	description	item/size
13	Hexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-21-22-24	235 1/2" EN
1	Extension	236 1/2"/250
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N

LxPxH mm	kg	code	
325x140x52	3,3	06032010	1

603 N 1/2" ESI FullContact

Assortment in sheet steel box with hexagonal sockets (16 pcs)

pcs	description	item/size
13	Hexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-21-22-24	235 1/2" EN
1	Extension	236 1/2"/250
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N

LxPxH mm	kg	code	
325x140x52	3,3	06032012	1

603 N 1/2" SI FullContact

Assortment in sheet steel box with bihexagonal sockets (16 pcs)

pcs	description	item/size
13	Bihexagonal sockets/ 0-11-12-13-14-15-16-17-18-19-21-22-24	235 1/2" N
1	Extension	236 1/2"/250
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N

LxPxH mm	kg	code	
325x140x52	3,3	06032017	1



605 3/4" A

Assortment in ABS case with bihexagonal sockets (18 pcs.)

- Storable on the drawers of every trolley

pcs	description	item/size
13	Bihexagonal sockets/ 19-21-22-24-27-30-32-34-36-41-46-50-55	235 3/4" N
2	Extensions//200-400	236 3/4"
1	Reversible ratchet	237 A 3/4"
1	T-handle with sliding square drive	240 3/4" N
1	Universal joint	241 3/4"

LxPxH mm	kg	code	
415X565X100	15	06050209	1



605 3/4" EA

Assortment in ABS case with hexagonal sockets (18 pcs.)

- Storable on the drawers of every trolley

pcs	description	item/size
13	Hexagonal sockets/ 19-21-22-24-27-30-32-34-36-41-46-50-55	235 3/4" EN
2	Extensions/200-400	236 3/4"
1	Reversible ratchet	237 A 3/4"
1	T-handle with sliding square drive	240 3/4" N
1	Universal joint	241 3/4"

LxPxH mm	kg	code	img
415X565X100	15	06050210	1



606 1/4" SK

Assortment with 29 bits and reversible ratchet

- Bit-holding ratchet 1/4" with inversion lever
- Bit-holding magnetic extension 100 mm
- Compact box in plastic material
- Socket holder adapter 1/4"

pcs	description	item/size
1	Bit-holding reversible ratchet	237 1/4 SK
2	Bits for slot-head screws/0,5x4-1x5,5	660
9	Bits for Allen screws/ 1,5-2-2,5-3-4-5-6-7-8	660 E
3	Bits for PHILLIPS® screws	660 PH/1-2-3
3	Bits for POZIDRIV®-SUPADRIV® screws	660 PZ/1-2-3
6	Bits for Torx Tamper Resistant® screws/ T10-T15-T20-T25-T27-T30-T40	660 STX
6	Bits for Torx screws/T6-T7-T8-T9	660 TX
1	Magnetic bit-holder adapter	672 MG/100

LxPxH mm	kg	code	img
120x60x30	0,35	06060012	5



613 1/4" E FullContact

Assortment in sheet steel box (18 pcs)

pcs	description	item/size
13	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14	235 1/4" EN
1	Extension	236 1/4"/50
1	Reversible ratchet	237 1/4" SI
1	T-handle with sliding square drive	240 1/4"
1	Universal joint	241 1/4"
1	Spinner with handle	243 1/4"

LxPxH mm	kg	code	img
235x90x35	0,9	613587	1

613 1/4" EN FullContact

Assortment in sheet steel box (18 pcs)

pcs	description	item/size
13	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14	235 1/4" EN
1	Extension	236 1/4"/50
1	Reversible ratchet	237 A 1/4"
1	T-handle with sliding square drive	240 1/4"
1	Universal joint	241 1/4"
1	Spinner with handle	243 1/4"

LxPxH mm	kg	code	img
235x90x35	0,9	613006	1

613 1/4" ENP FullContact

Assortment in sheet steel box (17 pcs)

pcs	description	item/size
12	Hexagonal sockets/ 1/8-5/32-3/16-7/32-1/4-9/32-5/16- 11/32-3/8-7/16-1/2-9/16	235 1/4" EPN
1	Extension	236 1/4"/50
1	Reversible ratchet	237 A 1/4"
1	T-handle with sliding square drive	240 1/4"
1	Universal joint	241 1/4"
1	Spinner with handle	243 1/4"

LxPxH mm	kg	code	img
235x90x35	0,9	613007	1

613 1/4" EP FullContact

Assortment in sheet steel box (17 pcs)

pcs	description	item/size
12	Hexagonal sockets/ 1/8-5/32-3/16-7/32-1/4-9/32-5/16-11/32- 3/8-7/16-1/2-9/16	235 1/4" EPN
1	Extension	236 1/4"/50
1	Reversible ratchet	237 1/4" SI
1	T-handle with sliding square drive	240 1/4"
1	Universal joint	241 1/4"
1	Spinner with handle	243 1/4"

LxPxH mm	kg	code	img
235x90x35	0,9	613588	1



613 N 3/8" FullContact

Assortment in sheet steel case with bihexagonal sockets (21 pcs)

pcs	description	item/size
16	Bihexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18- 19-21-22	235 3/8"
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	img
340x190x60	2,7	613020	1

613 N 3/8" E FullContact

Assortment in sheet steel case with hexagonal sockets (21 pcs)

pcs	description	item/size
16	Hexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18-19- 21-22	235 3/8" E
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	img
340x190x60	2,7	613023	1

613 N 3/8" ESI FullContact

Assortment in sheet steel case with hexagonal sockets (21 pcs)

pcs	description	item/size
16	Hexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18- 19-21-22	235 3/8" E
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	img
340x190x60	2,7	613025	1

613 N 3/8" P Full Contact

Assortment in sheet steel case with bihexagonal sockets (16 pcs)

pcs	description	item/size
11	Bihexagonal sockets/ 1/4-5/16-3/8-7/16-1/2-9/16-5/8-11/16-3/4-13/16-7/8	235 3/8" P
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	1
340x190x60	2,8	613026	1

613 N 3/8" SI Full Contact

Assortment in sheet steel case with bihexagonal sockets (21 pcs)

pcs	description	item/size
16	Bihexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22	235 3/8"
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	1
340x190x60	2,7	613022	1

613 N 3/8" SIP Full Contact

Assortment in sheet steel case with bihexagonal sockets (16 pcs)

pcs	description/size	item
11	Bihexagonal sockets/ 1/4-5/16-3/8-7/16-1/2-9/16-5/8-11/16-3/4-13/16-7/8	235 3/8" P
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	1
340x190x60	2,8	613028	1



613 N 3/8" EL Full Contact

Assortment in sheet steel case with hexagonal sockets (15 pcs)

pcs	description/size	item
12	Long hexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19	235 3/8" ELN
2	Extensions/125-250	236 3/8"
1	T-handle with sliding square drive	240 3/8" N

LxPxH mm	kg	code	1
340x190x60	2,4	613101	1

613 N 3/8" L Full Contact

Assortment in sheet steel case with bihexagonal sockets (15 pcs)

pcs	description/size	item
12	Long bihexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19	235 3/8" LN
2	Extensions/125-250	236 3/8"
1	T-handle with sliding square drive	240 3/8" N

LxPxH mm	kg	code	1
340x190x60	2,4	613095	1



613 N 1/2" Full Contact

Assortment in sheet steel case with bihexagonal sockets (22 pcs)

pcs	description/size	item
17	Bihexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32	235 1/2" N
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	1
385x220x60	5	06132015	1

613 N 1/2" E Full Contact

Assortment in sheet steel case with hexagonal sockets (22 pcs)

pcs	description/size	item
17	Hexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	1
385x220x60	5	06132010	1

613 N 1/2" EI Full Contact

Assortment in sheet steel case with hexagonal sockets (22 pcs)

pcs	description/size	item
17	Hexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Simple ratchet with sliding square drive	237 D 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	1
385x220x60	5	06132011	1

613 N 1/2" ESI Full Contact

Assortment in sheet steel case with hexagonal sockets (22 pcs)

pcs	description/size	item
17	Hexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	1
385x220x60	5	06132012	1

613 N 1/2" I Full Contact

Assortment in sheet steel case with bihexagonal sockets (22 pcs)

pcs	description/size	item
17	Bihexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32	235 1/2" N
2	Extensions/125-250	236 1/2"
1	Simple ratchet with sliding square drive	237 D 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	1
385x220x60	5	06132016	1

613 N 1/2" IP Full Contact

Assortment in sheet steel case with bihexagonal sockets (20 pcs)

pcs	description/size	item
15	Bihexagonal sockets/ 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	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Simple ratchet with sliding square drive	237 D 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	1
385x220x60	5	06132021	1

613 N 1/2" P Full Contact

Assortment in sheet steel case with bihexagonal sockets (20 pcs)


pcs	description/size	item
15	Bihexagonal sockets/ 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	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	1
385x220x60	5	06132020	1

613 N 1/2" SI

Assortment in sheet steel case with bihexagonal sockets (22 pcs)


pcs	description/size	item
17	Bihexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32	235 1/2" N
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	
385x220x60	5	06132017	1

613 N 1/2" SIP

Assortment in sheet steel case with bihexagonal sockets (20 pcs)

pcs	description/size	item
15	Bihexagonal sockets/ 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	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"


LxPxH mm	kg	code	
385x220x60	5	06132022	1



613 N 1/2" CL

Assortment in sheet steel case with bihexagonal sockets (35 pcs)

pcs	description/size	item
10	Long bihexagonal sockets/ 10-12-13-14-17-19-22-24-27-30	235 1/2" LN
20	Bihexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	235 1/2" N
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"


LxPxH mm	kg	code	
470x310x75	8,7	06132030	1

613 N 1/2" CLI

Assortment in sheet steel case with bihexagonal sockets (35 pcs)

pcs	description/size	item
10	Long bihexagonal sockets/ 10-12-13-14-17-19-22-24-27-30	235 1/2" LN
20	Bihexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	235 1/2" N
2	Extensions/125-250	236 1/2"
1	Simple ratchet with sliding square drive	237 D 1/2"


1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	
470x310x75	8,7	06132031	1

613 N 1/2" CLSI

Assortment in sheet steel case with bihexagonal sockets (35 pcs)

pcs	description/size	item
10	Long bihexagonal sockets/ 10-12-13-14-17-19-22-24-27-30	235 1/2" LN
20	Bihexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	235 1/2" N
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"


LxPxH mm	kg	code	
470x310x75	8,7	06132032	1



613 N 1/2" MP

Assortment in sheet steel case with bihexagonal sockets (35 pcs)

pcs	description/size	item
15	Bihexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-22-24-27-30-32	235 1/2" N
15	Bihexagonal sockets/ 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	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"


LxPxH mm	kg	code	
470x310x75	7,9	06132025	1

613 N 1/2" MPI

Assortment in sheet steel case with bihexagonal sockets (35 pcs)

pcs	description/size	item
15	Bihexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-22-24-27-30-32	235 1/2" N
15	Bihexagonal sockets/ 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	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Simple ratchet with sliding square drive	237 D 1/2"


1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	
470x310x75	7,9	06132026	1

613 N 1/2" MPSI

Assortment in sheet steel case with bihexagonal sockets (35 pcs)

pcs	description/size	item
15	Bihexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-22-24-27-30-32	235 1/2" N
15	Bihexagonal sockets/ 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	235 1/2" PN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"


LxPxH mm	kg	code	
470x310x75	7,9	06132027	1



613 N 3/4"

Assortment in sheet steel box with bihexagonal sockets (17 pcs)


pcs	description/size	item
13	Bihexagonal sockets/ 22-23-24-26-27-28-30-32-36-38-41-46-50	235 3/4" N
2	Extensions/200-400	236 3/4"
1	Reversible ratchet	237 A 3/4"
1	T-handle with sliding square drive	240 3/4" N

LxPxH mm	kg	code	
570x310x75	13,5	06133015	1

613 N 3/4" E

Assortment in sheet steel box with hexagonal sockets (17 pcs)


pcs	description/size	item
13	Hexagonal sockets/22-23-24-26-27-28-30-32-36-38-41-46-50	235 3/4" EN
2	Extensions/200-400	236 3/4"
1	Reversible ratchet	237 A 3/4"
1	T-handle with sliding square drive	240 3/4" N

LxPxH mm	kg	code	
570x310x75	13,5	06133010	1

613 N 3/4" EI

Assortment in sheet steel box with hexagonal sockets (17 pcs)


pcs	description/size	item
13	Hexagonal sockets/22-23-24-26-27-28-30-32-36-38-41-46-50	235 3/4" EN
2	Extensions/200-400	236 3/4"
1	Simple ratchet with sliding square drive	237 D 3/4"
1	T-handle with sliding square drive	240 3/4" N

LxPxH mm	kg	code	
570x310x75	13,5	06133011	1

613 N 3/4" EIP

Assortment in sheet steel box with hexagonal sockets (16 pcs)


pcs	description/size	item
12	Hexagonal sockets/7/8-15/16-1-1 1/16-1 1/8-1 1/4-1 5/16-1 7/16-1 1/2-1 5/8-1 13/16-1 7/8	235 3/4" EPN
2	Extensions/200-400	236 3/4"
1	Simple ratchet with sliding square drive	237 D 3/4"
1	T-handle with sliding square drive	240 3/4" N

LxPxH mm	kg	code	
570x310x75	13,5	06133021	1

613 N 3/4" EP

Assortment in sheet steel box with hexagonal sockets (16 pcs)


pcs	description/size	item
12	Hexagonal sockets/7/8-15/16-1-1 1/16-1 1/8-1 1/4-1 5/16-1 7/16-1 1/2-1 5/8-1 13/16-1 7/8	235 3/4" EPN
2	Extensions/200-400	236 3/4"
1	Reversible ratchet	237 A 3/4"
1	T-handle with sliding square drive	240 3/4" N

LxPxH mm	kg	code	
570x310x75	13,5	06133020	1

613 N 3/4" ESI

Assortment in sheet steel box with hexagonal sockets (17 pcs)


pcs	description/size	item
13	Hexagonal sockets/22-23-24-26-27-28-30-32-36-38-41-46-50	235 3/4" EN
2	Extensions/200-400	236 3/4"
1	Reversible ratchet	237 3/4" SI
1	T-handle with sliding square drive	240 3/4" N

LxPxH mm	kg	code	
570x310x75	13,5	06133012	1

613 N 3/4" ESIP

Assortment in sheet steel box with hexagonal sockets (16 pcs)


pcs	description/size	item
12	Hexagonal sockets/7/8-15/16-1-1 1/16-1 1/8-1 1/4-1 5/16-1 7/16-1 1/2-1 5/8-1 13/16-1 7/8	235 3/4" EPN
2	Extensions/200-400	236 3/4"
1	Reversible ratchet	237 3/4" SI
1	T-handle with sliding square drive	240 3/4" N

LxPxH mm	kg	code	
570x310x75	13,5	06133022	1

613 N 3/4" I

Assortment in sheet steel box with bihexagonal sockets (17 pcs)


pcs	description/size	item
13	Bihexagonal sockets/22-23-24-26-27-28-30-32-36-38-41-46-50	235 3/4" N
2	Extensions/200-400	236 3/4"
1	Simple ratchet with sliding square drive	237 D 3/4"
1	T-handle with sliding square drive	240 3/4" N

LxPxH mm	kg	code	
570x310x75	13,5	06133016	1

613 N 3/4" SI

Assortment in sheet steel box with bihexagonal sockets (17 pcs)

pcs	description/size	item
13	Bihexagonal sockets/22-23-24-26-27-28-30-32-36-38-41-46-50	235 3/4" N
2	Extensions/200-400	236 3/4"
1	Reversible ratchet	237 3/4" SI
1	T-handle with sliding square drive	240 3/4" N


LxPxH mm	kg	code	
570x310x75	13,5	06133017	1



613 N 1"

Assortment in sheet steel box with bihexagonal sockets (12 pcs)


pcs	description/size	item
8	Bihexagonal sockets/46-50-55-60-65-70-75-80	235 1 N
2	Extensions/200-400	236 1
1	Reversible ratchet	237 1 SI
1	T-handle with sliding square drive	240 1 N

LxPxH mm	kg	code	
570x245x130	24	06134015	1

613 N 1" E

Assortment in sheet steel box with hexagonal sockets (12 pcs)


pcs	description/size	item
8	Hexagonal sockets/46-50-55-60-65-70-75-80	235 1 EN
2	Extensions/200-400	236 1
1	Reversible ratchet	237 1 SI
1	T-handle with sliding square drive	240 1 N

LxPxH mm	kg	code	
570x245x130	24	06134010	1

613 N 1" EP

Assortment in sheet steel box with hexagonal sockets (12 pcs)

pcs	description/size	item
8	Hexagonal sockets/1 13/16-2-2 3/16-2 3/8-2 5/8-2 3/4-3-3 1/8	235 1 EPN
2	Extensions/200-400	236 1
1	Reversible ratchet	237 1 SI
1	T-handle with sliding square drive	240 1 N

LxPxH mm	kg	code	
570x245x130	24	06134020	1




614 N 1/4" E

Assortment in sheet steel box (30 pcs)

pcs	description/size	item
3	Socket bits for slot-head screws/0,6x4-1,2x6,5-1,2x8	231 1/4" N
3	Socket bits for PHILLIPS screws/1-2-3	232 1/4" NPH
5	Socket bits for Allen screws/3-4-5-6-8	234 1/4" N


13	Hexagonal sockets/4-4,5-5-5,5-6-7-8-9-10-11-12-13-14	235 1/4" EN
2	Extensions/50-100	236 1/4"
1	Reversible ratchet	237 A 1/4"
1	T-handle with sliding square drive	240 1/4"
1	Universal joint	241 1/4"
1	Spinner with handle	243 1/4"

LxPxH mm	kg	code	
235x125x40	1,2	614011	1

614 N 1/4" ESI

Assortment in sheet steel box (30 pcs)

pcs	description/size	item
3	Socket bits for slot-head screws/ 0,6x4-1,2x6,5-1,2x8	231 1/4" N
3	Socket bits for PHILLIPS screws/1-2-3	232 1/4" NPH
5	Socket bits for Allen screws/3-4-5-6-8	234 1/4" N
13	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14	235 1/4" EN
2	Extensions/50-100	236 1/4"
1	Reversible ratchet	237 1/4" SI
1	T-handle with sliding square drive	240 1/4"
1	Universal joint	241 1/4"
1	Spinner with handle	243 1/4"


LxPxH mm	kg	code	
235x125x40	1,2	614012	1



614 N 1/4" EL

Assortment in sheet steel box (44 pcs)


pcs	description/size	item
10	Long hexagonal sockets/ 5-6-7-8-9-10-11-12-13-14	235 1/4" EL
13	Hexagonal sockets/ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14	235 1/4" EN
3	Extensions/50-100-150	236 1/4"
1	Flexible extension	236 1/4" SN
1	Reversible ratchet	237 A 1/4"
1	T-handle with sliding square drive	240 1/4"
1	Universal joint	241 1/4"
1	Spinner with handle	243 1/4"
4	Bits for slot-head screws/ 0,6x4,5-0,8x5,5-1x5,5-1,2x6,5	660
5	Bits for Allen screws/2,5-3-4-5-6	660 E
3	Bits for PHILLIPS screws/1-2-3	660 PH
1	Bit-holder socket	684/1/4"

LxPxH mm	kg	code	
420x150x50	2,5	614013	1

614 N 1/4" ELSI

Assortment in sheet steel box (44 pcs)

pcs	description/size	item
10	Long hexagonal sockets/ 5-6-7-8-9-10-11-12-13-14	235 1/4" EL
13	Hexagonal sockets/4-4,5-5-5,5-6-7-8-9-10-11-12-13-14	235 1/4" EN
3	Extensions/50-100-150	236 1/4"
1	Flexible extension	236 1/4" SN
1	Reversible ratchet	237 1/4" SI
1	T-handle with sliding square drive	240 1/4"
1	Universal joint	241 1/4"
1	Spinner with handle	243 1/4"
4	Bits for slot-head screws/ 0,6x4,5-0,8x5,5-1x5,5-1,2x6,5	660
5	Bits for Allen screws/2,5-3-4-5-6	660 E
3	Bits for PHILLIPS screws/1-2-3	660 PH
1	Bit-holder socket	684


LxPxH mm	kg	code	
420x150x50	2,5	614015	1



614 N 3/8"

Assortment in sheet steel case with bihexagonal sockets (28 pcs)


pcs	description/size	item
6	Socket bits for Allen screws/ 3-4-5-6-8-10	234 3/8" N
17	Bihexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22	235 3/8"
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	
340x190x60	3	614020	1

614 N 3/8" E

Assortment in sheet steel case with hexagonal sockets (28 pcs)


pcs	description/size	item
6	Socket bits for Allen screws/ 3-4-5-6-8-10	234 3/8" N
17	Hexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22	235 3/8" E
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	
340x190x60	3	614023	1

614 N 3/8" ESI

Assortment in sheet steel case with hexagonal sockets (28 pcs)


pcs	description/size	item
6	Socket bits for Allen screws/ 3-4-5-6-8-10	234 3/8" N
17	Hexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22	235 3/8" E
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"

LxPxH mm	kg	code	
340x190x60	3	614025	1

614 N 3/8" SI

Assortment in sheet steel case with bihexagonal sockets (28 pcs)

pcs	description/size	item
6	Socket bits for Allen screws/ 3-4-5-6-8-10	234 3/8" N
17	Bihexagonal sockets/ 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22	235 3/8"
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 3/8" SI
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"


LxPxH mm	kg	code	
340x190x60	3	614022	1



614 N 1/2"

Assortment in sheet steel case with bihexagonal sockets (33 pcs)


pcs	description/size	item
8	Socket bits for Allen screws/ 5-6-7-8-10-12-14-17	234 1/2" N
20	Bihexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	235 1/2" N
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	
385x220x70	6,2	06142015	1

614 N 1/2" E

Assortment in sheet steel case with hexagonal sockets (33 pcs)


pcs	description/size	item
8	Socket bits for Allen screws/ 5-6-7-8-10-12-14-17	234 1/2" N
20	Hexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	
385x220x70	6,2	06142010	1

614 N 1/2" ESI

Assortment in sheet steel case with hexagonal sockets (33 pcs)


pcs	description/size	item
8	Socket bits for Allen screws/ 5-6-7-8-10-12-14-17	234 1/2" N
20	Hexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19- 20-21-22-23-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

LxPxH mm	kg	code	
385x220x70	6,2	06142012	1

614 N 1/2" SI

Assortment in sheet steel case with bihexagonal sockets (33 pcs)

pcs	description/size	item
8	Socket bits for Allen screws/ 5-6-7-8-10-12-14-17	234 1/2" N
20	Bihexagonal sockets/ 8-9-10-11-12-13-14-15-16-17-18-19- 20-21-22-23-24-27-30-32	235 1/2" N
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 1/2" SI
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"


LxPxH mm	kg	code	
385x220x70	6,2	06142017	1



614 N 3/8" TORX®

Assortment in sheet steel case (21 pcs)

pcs	description/size	item
7	Socket bits for Torx screws/ T15-T20-T25-T27-T30-T40-T45	233 3/8" NTX
9	Torx sockets/ E4-E5-E6-E7-E8-E10-E12-E14-E16	235 3/8" NTX
2	Extensions/125-250	236 3/8"
1	Reversible ratchet	237 A 3/8"
1	T-handle with sliding square drive	240 3/8" N
1	Universal joint	241 3/8"


LxPxH mm	kg	code	
340x190x60	2,8	06141040	1



614 N 1/2" TORX®

Assortment in sheet steel case (21 pcs)

pcs	description/size	item
9	Socket bits for Torx screws/ T20-T25-T27-T30-T40-T45-T50-T55-T60	233 1/2" NTX
7	Torx sockets/ E10-E12-E14-E16-E18-E20-E24	235 1/2" NTX
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"


LxPxH mm	kg	code	
360x200x58	4,5	06142040	1



615 N 1/2" TORX®

Assortment in sheet steel box (14 pcs)

pcs	description/size	item
7	Torx sockets/ E10-E12-E14-E16-E18-E20-E24	235 1/2" NTX
6	Bits for TORX screws/ T27-T30-T40-T45-T50-T55	661 TX
1	Bit-holder sockets	685 A/6


LxPxH mm	kg	code	
240x90x40	1,2	06152040	1



618

Ratchet tap wrenches

- Short model with two jaws, ratchet for clockwise, counter-clockwise, or fixed position operation


n°	mm	L mm	code	
1	2,6÷5,5	85	618001	5
2	4,6÷8	110	618002	5



618 L

Ratchet tap wrenches

- Long model with two jaws, ratchet for clockwise, counter-clockwise, or fixed position operation


n°	mm	L mm	code	
1	2,6÷5,5	255	618101	1
2	4,6÷8	315	618102	1



618 A

Spare jaws

- For 618 and 618 L

n°	gr	code	
1	5	618011	1
2	11	618012	1




618 M

DIN 1814

Manual tap wrenches

- Manual model with removable sliding bar and antislip end
- Aluminium body with steel jaws


n°	capacity mm	L mm	code	
1	M1÷M10	175	06180041	1
2	M3,5÷M12	277	06180042	1
3	M5÷M20	375	06180043	1



622 K/S1

Thread repair assortment

- To restore damaged threads -M5x0.8 - M6x1 - M8x1.25
- M10x1.5 - M12x1.75
- Composed by Inserts/Taps/Tools for insert installation/Tang break-off tools (up to Ø 8 mm)
- Supplied in plastic case

M	LxPxH mm	code	
M5÷M12	360x210x50	06220000	1



622 K12

Thread repair kit for plugs

- To restore damaged threads M12-1,25
- Composed by inserts/tap/tool for installation insert and tang break-off
- Supplied in plastic case

M	LxPxH mm	code	
M12x1,25	190x70x30	06220012	1

622 K14

Thread repair kit for plugs

- To restore damaged threads M14-1,25
- Composed by Inserts/Tap/Tools for installation inserts and tang break-off
- Supplied in plastic case

M	LxPxH mm	code	
M14x1,25	190x70x30	06220014	1



622 A

Spare threads

- Box with 10 pcs. of the same size

M	code	
5x0,8	Q06220005	1
6x1,00	Q06220006	1
8x1,25	Q06220008	1
10x1,50	Q06220010	1
12x1,75	Q06220012	1
14x1,25 (3/8)	Q06220014	1
14x1,25 (3/4)	Q06220015	1
C12x1,25 (1/2)	Q06220021	1
C12x1,25 (3/4)	Q06220022	1



630 AN

Roll-up bag for home maintenance (19 pcs.)

- Nylon bag with belt fastener

pcs	description	item/size
1	Combination pliers	150 C/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Pincers for carpenters	197/200
1	Scissors for electricians	207 A
8	Double ended open jaw wrenches/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22	252 N
2	Screwdrivers for slot-head screws/0,8x4x100-1x2x6,5x150	322
1	Phase-testing screwdriver 110-380 Volts	322 F
2	Screwdrivers for PHILLIPS® screws/1x80-2x100	322 PH
1	Hammer for mechanics	382/300
1	Oiler	418/70

kg	code	
2,7	06300010	1



630 BN

Roll-up bag for motorcycle maintenance (20 pcs.)

- Nylon bag with belt fastener

pcs	description	item/size
1	Combination pliers	150 C/180
1	T-handle spark plug wrenches with jointed socket	278 N/20,8
7	Set of seven keys	280 S7/(2÷6)
7	Combination wrenches/8-10-11-13-14-17-19	285
1	Reversible screwdriver for slot-head and PHILLIPS® screws	322 R
1	Oiler	418/70
2	Tyre levers	427/300

kg	code	
2,2	06300012	1



630 CN

Roll-up bag for car maintenance (18 pcs.)

- Nylon bag with belt fastener

pcs	description	item/size
1	Combination pliers	150 C/180
2	Fullcontact hexagonal sockets/19-21	235 1/2" EN
1	Extension	236 1/2"/75
1	T-handle with sliding square drive	240 1/2" N
8	Double ended open jaw wrenches/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22	252 N
1	T-handle spark plug wrenches with jointed socket	278 N/20,8
1	Reversible screwdriver for slot-head and PHILLIPS® screws	322 R
1	Hammer for mechanics	382/200
1	Oiler	418/70
1	Strap wrench for oil filters	444

kg	code	
3	06300014	1



630 DN

Roll-up bag for boat maintenance (26 pcs.)

- Nylon bag with belt fastener

pcs	description	item/size
1	Combination pliers	150 C/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Scissors for electricians	207 A
1	Knife for electricians	216 N
8	Double ended open jaw wrench/6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22	252 N
1	T-handle spark plug wrench with jointed socket	278 N/20,8
7	Set of seven keys	280 S7/(2÷6)
1	Screwdriver for slot-head screws	322/0,8x4x100
1	Screwdriver for PHILLIPS® screws	322 PH/1x80
1	Reversible screwdriver for slot-head and PHILLIPS® screws	322 R
1	Chisel	362/150
1	Mallet	377
1	Strap wrench for oil filters	444

kg	code	
3,2	06300016	1



630 EA

Belt-bag with assortment for electricians (9 pcs.)

- Plastified polyester fabric
- Rear support with soft rubber and PVC reinforcement 15 mm to prevent piercing
- Spring catch in non-conductor alloy
- Nylon belt with snap-lock

pcs	description	item/size
1	Insulating tape	073/15x10
1	Combination pliers	085 N/180
2	Screwdrivers for slot-head screws/ 0,5x3x75-0,8x4x100	092
1	Screwdriver for PHILLIPS® screws/1x100	092 PH
1	Screwdriver for POZIDRIV® - SUPADRIV® screws/2x125	092 PZ
1	Scissors for electricians	207 C
1	Phase-testing screwdriver 110÷380 Volts	322 F
1	Aluminium level	984/150

kg	code	1
1	06300017	1



630 EN

Folding bag for electrotechnics (17 pcs.)

- Plastic bag

pcs	description	item/size
1	Insulating tape	073/15x10 m
1	Half-round extra-long nose pliers with straight jaws	133 A/160
1	Wire stripper	147 N/160
1	Combination pliers	150 A/160
1	Diagonal cutting nippers	185 A/160
1	Scissors for electricians	207 A
1	Adjustable wrench, Chrome plated	294 A/150
1	Circuit-testing screwdriver 110÷380 Volts	322 C2
4	Screwdrivers for slot-head screws/ 0,5x3x75-0,8x4x100-1x5,5x125-1x2x6,5x150	322
2	Screwdrivers for PHILLIPS screws/ 1x80-2x100	322 PH
1	Chisel	362/150
1	Centre punch	368/4x125
1	Hammer for mechanics	382/200

kg	code	1
2,4	06300018	1



643 V

Plastic tool box - empty

- Model with removable tray, compartments for small objects, flush-type handle on the top and side fasteners with clips
- Shock resistant plastic casing with sheet steel inserts

LxPxH mm	kg	code	1
440x250x260	4	06430001	1

643 A

Tool box 643V with assortment (32 pcs.)

pcs	description	item/size
1	Combination pliers	150 B/180
1	Lay-on slip-joint adjustable pliers	178/240
1	Diagonal cutting nippers	185 B/160
1	Pincers for cement layers	199/225
1	Scissors for electricians	207 A
1	Utility knife with snap-off blades	220 B
8	Set of eight wrenches/(6x7-8x9-10x11- 12x13-14x15-16x17-18x19-20x22)	252 N/SR8
9	Set of nine keys/ (1,5-2-2,5-3-4-5-6-8-10)	280 S9
5	Screwdrivers for slot-head screws/ 0,4x2,5x50-0,5x3x75-0,8x4x100- 1x5,5x125-1,2x6,5x150	324
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
1	Hammer for mechanics	382/300
1	Tape rule	981 G/2x13

kg	code	1
6,5	06430010	1



643 LV

Long plastic tool box - empty

- Long model, same features of box 643 V

LxPxH mm	kg	code	1
570x290x275	5	06430002	1



646/2V

Simple tool box - empty

- Sliding and removable tray
- Preset for padlock
- Sheet steel casing, anaphoretic process
- Inside dimensions: 447x207x102 mm

LxPxH mm	kg	code	1
495x210x230	3	646001	1

646/2A

Tool box 646/2V with assortment (30 pcs.)

pcs	description	item/size
1	Lock-grip pliers with concave jaws	134/250
1	Combination pliers	150 C/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Diagonal cutting nippers	185 C/160
17	Set of seventeen combination wrenches/(6÷22)	285 SE17
1	Adjustable wrench, Chrome plated	294 A/250
3	Screwdrivers for slot-head screws/ 0,5x3x75-0,8x4x100-1,2x6,5x150	324
2	Screwdrivers for Phillips® screws/ 1x75-2x100	324 PH
1	Chisel	362/150
1	Centre punch	368/4x125
1	Hammer for mechanics	382/300

kg	code	1
6,5	06460005	1

646/2LV

Simple tool box, long version - empty

- Long model, same features of box 646/2V
- Inside dimensions: 537x207x102 mm

LxPxH mm	kg	code	1
585x210x230	3,5	646002	1



646/3V

Cantilever tool box, three compartments - empty

- Preset for padlock
- Sheet steel casing, anaphoretic process
- Inside dimensions:
lower compartment 447x207x102 mm,
compartments 447x103x52 mm

LxPxH mm	kg	code	
495x210x270	4,1	646101	1

646/3A

Tool box 646/3V with assortment (66 pcs.)

pcs	description	item/size
1	Combination pliers	150 C/180
1	Lay-on slip-joint adjustable pliers	178 I/240
1	Heavy-duty diagonal cutting nippers	188 C/160
21	Bihexagonal sockets/ 10÷32 (29 excluded)	235 1/2" N
2	Extensions/125-250	236 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"
13	Set of thirteen wrenches/(6x7÷30x32)	252 N/SR13
13	Set of thirteen wrenches/(6x7÷30x32)	283 N/SE13
1	Adjustable wrench	294 A/250
4	Screwdrivers for slot-head screws/0,5x3x75- 0,8x4x100-1x5,5x125-1,2x6,5x150	324
2	Screwdrivers for Phillips® screws/1x75-2x100	324 PH
1	Chisel	362/150
1	Cross cut chisel	364/150
1	Drift punch	366/3x125
1	Centre punch	368/4x125
1	Hammer for mechanics	382/300

kg	code	
10	06460010	1

646/3LV

Long cantilever tool box, three compartments - empty

- Long model, same features of box 646/3V
- Inside dimensions:
lower compartment 537x207x102 mm,
compartments 537x103x52 mm

LxPxH mm	kg	code	
585x210x270	4,7	646102	1



646/5V

Cantilever tool box, five compartments - empty

- Same features of box 646/3V
- Inside dimensions:
lower compartment 447x207x102 mm,
compartments 447x103x52 mm

LxPxH mm	kg	code	
495x210x325	5,9	646201	1

646/5A

Cantilever tool box 646/5V with basic assortment 496 A2 (73 pcs.)

kg	code	
20,6	06460015	1

646/5AP

Cantilever tool box 646/5V with basic assortment 496 AP2 (66 pcs.)

kg	code	
19,6	06460016	1

646/5LV

Long cantilever tool box, five compartments - empty

- Long model, same features of 646/5V
- Inside dimensions:
lower compartment 537x207x102 mm,
compartments 537x103x52 mm

LxPxH mm	kg	code	
585x210x325	6,6	646301	1



654 V

Tool cabinet with roller shutter

- Model with perforated removable panels and Aluminium roller shutter with security lock
- Sheet steel casing, anaphoretic process
- For wall mounting or positioning on workbenches
- Hooks and supports not supplied for the empty cabinet

LxPxH mm	kg	code	
1420x190x820	41	654000	1

654 A

Tool cabinet with assortment 496 B1 for car repair (86 pcs.)

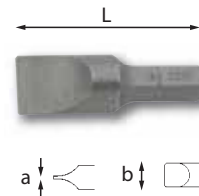
kg	code	
55	06540005	1

654 I

Tool cabinet with assortment 496 E1 for industrial maintenance (94 pcs.)

kg	code	
60	06540008	1

UNI-ISO 1173 DIN 3126 C 6,3



660

UNI ISO 2351 DIN 3127

Bits for slot-head screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

axb mm	L mm	code	
0,5x4	25	660011	5
0,6x4,5	25	660012	5
0,8x5,5	25	660013	5
1x5,5	25	660014	5
1,2x6,5	25	660015	5
1,6x8	25	660016	5



660 E

UNI ISO 3109 DIN 7426

Bits for Allen screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

mm	L mm	code	
1,5	25	660408	5
2	25	660409	5
2,5	25	660401	5
3	25	660402	5
4	25	660403	5
5	25	660404	5
6	25	660405	5
8	25	660406	5
10	25	660410	5



660 PH +

UNI ISO 8764 DIN 3128

Bits for PHILLIPS® screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	
0	25	660107	5
1	25	660101	5
2	25	660102	5
3	25	660103	5
4	32	660105	5



660 PZ +

UNI ISO 8764

Bits for POZIDRIV®-SUPADRIV® screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	
0	25	660207	5
1	25	660201	5
2	25	660202	5
3	25	660203	5
4	32	660205	5



660 TX +

Bits for TORX® screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	
T6	25	660301	5
T7	25	660302	5
T8	25	660303	5
T9	25	660304	5
T10	25	660305	5
T15	25	660306	5
T20	25	660307	5
T25	25	660308	5
T27	25	660309	5
T30	25	660310	5
T40	25	660311	5



660 STX +

Bits for TORX® Tamper Resistant® screws

- For safety screws
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	
T10	25	660325	5
T15	25	660326	5
T20	25	660327	5
T25	25	660328	5
T27	25	660329	5
T30	25	660330	5
T40	25	660331	5



660 TPH +

UNI ISO 8764 DIN 3128

Bits for PHILLIPS® screws

- Wear-resistant Titanium nitride coating
- Special Silicon Chrome Vanadium steel
- Gilt finish with oiled, sandblasted drive

n°	L mm	code	
1	25	660561	5
2	25	660562	5
3	25	660563	5



660 TAPH +

UNI ISO 8764 DIN 3128

Bits for PHILLIPS® screws

- Wear-resistant Titanium nitride coating
- Antislip knurling
- Special Silicon Chrome Vanadium steel
- Gilt finish with oiled, sandblasted drive

n°	L mm	code	
1	25	660566	5
2	25	660567	5
3	25	660568	5



660 TPZ +

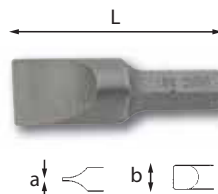
UNI ISO 8764

Bits for POZIDRIV®-SUPADRIV® screws

- Wear-resistant Titanium nitride coating
- Special Silicon Chrome Vanadium steel
- Gilt finish with oiled, sandblasted drive

n°	L mm	code	
1	25	660571	5
2	25	660572	5
3	25	660573	5

UNI-ISO 1173 DIN 3126 C 8



661 -

UNI ISO 2351 DIN 3127

Bits for slot-head screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

axb mm	L mm	code	
0,8x5,5	41	661001	5
1x6,5	41	661002	5
1,2x8	41	661003	5
1,6x10	41	661004	5
2x13	41	661005	5



661 E -

UNI ISO 3109 DIN 7426

Bits for Allen screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

● mm	L mm	code	
3	30	661401	5
4	30	661402	5
5	30	661403	5
6	30	661404	5
7	30	661407	5
8	30	661405	5
10	30	661406	5



661 PH +

UNI ISO 8764 DIN 3128

Bits for PHILLIPS® screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	
1	32	661101	5
2	32	661102	5
3	32	661103	5
4	38	661104	5



661 PZ +

UNI ISO 8764

Bits for POZIDRIV®-SUPADRIV® screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	
1	32	661201	5
2	32	661202	5
3	32	661203	5
4	38	661204	5

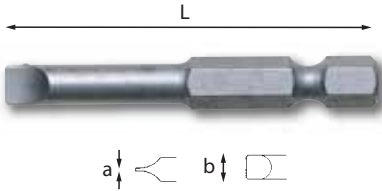


661 TX +

Bits for TORX® screws

- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	
T27	35	661301	5
T30	35	661302	5
T40	35	661303	5
T45	35	661304	5
T50	35	661305	5
T55	35	661306	5



664 UNI ISO 2351 DIN 3127

Bits for slot-head screws

- Direct fitting for electric and pneumatic tools
- Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

axb mm	L mm	code	5
0,5x3	50	664001	5
0,6x4	50	664002	5
0,6x4,5	50	664003	5
0,8x5	50	664004	5
0,8x5,5	50	664005	5
1x6	50	664006	5
1,2x8	50	664008	5
1,6x9	50	664009	5



664 B

Socket bits for hexagonal screws

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Burnished finish

mm	L mm	code	5
5,5	66	06640002	5
7	66	06640004	5
8	66	06640005	5
10	66	06640007	5
13	66	06640010	5



664 E UNI ISO 3109 DIN 7426

Bits for Allen screws

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

mm	L mm	code	5
3	50	664301	5
4	50	664302	5
5	50	664303	5
6	50	664304	5
8	50	664305	5
10	50	664306	5



664 PH UNI ISO 8764 DIN 3128

Bits for PHILLIPS® screws

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	5
1	50	664101	5
2	50	664102	5
3	50	664103	5
4	50	664104	5
1	75	664106	5
2	75	664107	5
1	100	664108	5
2	100	664109	5



664 PZ UNI ISO 8764

Bits for POZIDRIV®-SUPADRIV® screws

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	5
1	50	664201	5
2	50	664202	5
3	50	664203	5
4	50	664204	5
1	75	664206	5
2	75	664207	5
1	100	664208	5
2	100	664209	5



664 S4/75 Assortment in blister (4 pcs.)

pcs description	item/size
1 Bit for PHILLIPS® screws	664 PH1-75
1 Bit for PHILLIPS® screws	664 PH2-75
1 Bit for POZIDRIV®-SUPADRIV® screws	664 PZ1-75
1 Bit for POZIDRIV®-SUPADRIV® screws	664 PZ2-75

g	code	5
100	664110	1



664 S4/100 Assortment in blister (4 pcs.)

pcs description	item/size
1 Bit for PHILLIPS® screws	664 PH1-100
1 Bit for PHILLIPS® screws	664 PH2-100
1 Bit for POZIDRIV®-SUPADRIV® screws	664 PZ1-100
1 Bit for POZIDRIV®-SUPADRIV® screws	664 PZ2-100

g	code	5
120	664210	1

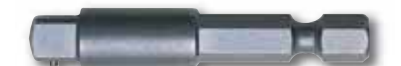


664 TX

Bits for TORX® screws

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

n°	L mm	code	5
T10	50	664501	5
T15	50	664502	5
T20	50	664503	5
T25	50	664504	5
T27	50	664505	5
T30	50	664506	5
T40	50	664507	5



664 Q UNI ISO 3317 DIN 7428

Socket-holder adapters

- Model with retaining pin (IMPACT)
- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

"	L mm	code	5
1/4	50	664401	5
3/8	50	664403	5



664 QS UNI ISO 3317 DIN 7428

Socket-holder adapters

- Model with retaining ball (MANUAL)
- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

"	L mm	code	
1/4	50	06640405	5
3/8	50	06640406	5

5,5 UNI-ISO 1173 DIN 3126 A 5,5

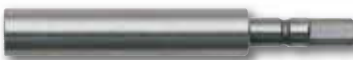


670 UNI ISO 1173 DIN 7427

Bit-holder adapter

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

"	L mm	code	
1/4	60	670001	1



670 MG UNI ISO 1173 DIN 7427

Magnetic bit-holder adapter

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

"	L mm	code	
1/4	79	670102	1

1/4 UNI-ISO 1173 DIN 3126 E 6,3



672 UNI ISO 1173 DIN 7427

Bit-holder adapter

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

"	L mm	code	
1/4	60	672001	1



672 A UNI ISO 1173 DIN 3126

Bit-holder adapter

- Model with quick-release sleeve
- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish with burnished collar

"	L mm	code	
1/4	51	672201	1



672 AMG UNI ISO 1173 DIN 3126

Magnetic bit-holder adapter

- Model with quick-release sleeve
- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish with burnished collar

"	L mm	code	
1/4	52	672302	1

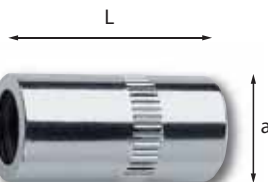


672 MG UNI ISO 1173 DIN 7427

Magnetic bit-holder adapter

- Direct fitting for electric and pneumatic tools
- Special Silicon Chrome Vanadium steel
- Oiled, sandblasted finish

"	L mm	code	
1/4	60	672102	1



684 UNI ISO 1173-1174 DIN 3126

Bit-holder socket

- For use with bits of the 660 and 661 series on manual tools
- Special Chrome Vanadium steel
- Polished chrome plated finish

n°	"	"	axL mm	code	
1	1/4	1/4	11x22	684001	1
6	1/2	5/16	23x37	684006	1

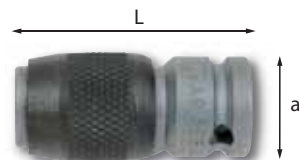


685 UNI ISO 1173-1174 DIN 7427

Bit-holder sockets

- For use with bits of the 660 and 661 series on electric and pneumatic tools
- Special Chrome Vanadium steel
- Phosphatised finish

n°	"	"	axL mm	code	
1	1/4	1/4	13x26	685001	1
3	3/8	1/4	19x32	685003	1
4	3/8	5/16	19x37	685004	1
6	1/2	5/16	25x40	685006	1

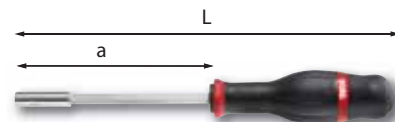


685 A UNI ISO 1173-1174 DIN 3126

Bit-holder sockets

- Model with quick-release sleeve for use with bits of the 660 and 661 series on electric and pneumatic tools
- Special Chrome Vanadium steel
- Oiled sandblasted finish with burnished collar

n°	"	"	axL mm	code	
1	1/4	1/4	14x30	685101	1
3	3/8	1/4	19x43	685103	1
4	3/8	5/16	20x50	685104	1
6	1/2	5/16	24x50	685106	1



690 A 1/4"

Magnetic bit-holder with grip

- Ergonomic three-material grip
- Chrome Vanadium steel body
- Chrome plated finish

a mm	L mm	gr	code	
63	180	120	06900002	1
128	245	150	06900003	1



690 1/4" S28

Assortment in plastic case (28 pcs)

pcs	description	item/size
3	Bits for slot-head screws/ 0,6x4,5-1x5,5-1,2x6,5	660
6	Bits for Allen screws/2-2,5-3-4-5-6	660 E
4	Bits for PHILLIPS® screws/1-2-3-4	660 PH
4	Bits for POZIDRIV®-SUPADRIV® screws/ 1-2-3-4	660 PZ
6	Bits for Torx Tamper Resistant® screws/ T10-T15-T20-T25-T30-T40	660 STX
4	Bits for Torx screws/T6-T7-T8-T9	660 TX
1	Magnetic bit-holder with grip	690 A 1/4"/180

LxPxH mm	g	code	
210x120x70	700	06900013	1



691 NTX TORX®

Assortment in plastic box (10 pcs)

pcs	description	item/size
9	Bits for TORX screws/ T8-T9-T10-T15-T20-T25-T27-T30-T40	660 TX
1	Magnetic bit-holder adapter	672 MG

LxPxH mm	g	code	
115x52x20	120	06910010	1



692 S/11

Assortment in plastic box (10 pcs)

pcs	description	item/size
3	Bits for slot-head screws/ 0,6x4,5-0,8x5,5-1,2x6,5	660
4	Bits for PHILLIPS® screws/0-1-2-3	660 PH
3	Bits for POZIDRIV®-SUPADRIV® screws/ 1-2-3	660 PZ
1	Magnetic bit-holder adapter	672 MG

g	code	
100	06920021	1



692 STX/S11

Assortment in plastic box (10 pcs)

pcs	description	item/size
4	Bits for TORX Tamper Resistant® screws/ 20-25-40	660 STX
6	Bits for TORX Tamper Resistant® screws/ 20-25-40 (2 pcs. per size)	660 STX
1	Magnetic bit-holder adapter	672 MG

g	code	
110	06920026	1



692 SP1

Assortment of bits

- Set of bits with central hole to disassemble air mass gauges and injection pumps
- Composed by a bit holder (1/4 - 5/16") and 7 bits (TS-10 / TS-15 / TS-20 / TS-25 / TS-27 / TS-30 / TS-40)

g	code	
120	06920001	1



692 SP2

Assortment with Ribe bits with hole (20 pcs.)

- Set with 20 short and long bits for RIBE screws with hole composed by:
- Ribe with hole (M4-5-6-7-8-9-10-12-13 L=30mm) (M4-5-6-7-8-9-10-12-13 L=75mm)
- 10mm connection
- Two adapters 3/8" - 1/2"
- Supplied in metal box with inside tray

LxPxH mm	Kg	code	
300x150x50	1,4	06920031	1



692 SP3

Assortment with Ribe bits with hole - XZN - TORX® Tamper Resistant (40 pcs.)

- Set with 40 short and long bits for RIBE screws with hole, XZN, TORX Tamper Resistant composed by:
- Ribe with hole M5-6-7-8-9-10-12 L=30mm) (M5-6-7-8-9-10-12 L=75mm)
- XZN (M5-6-8-10-12 L=30mm) (M5-6-8-10-12 L=75mm)
- Torx Tamper resistant (STX20-25-30-40-45-50-55 L=30mm) (STX20-25-30-40-45-50-55 L=75mm)
- 10mm connection
- Two adapters 3/8" - 1/2"
- Supplied in metal box with inside tray

LxPxH mm	Kg	code	
340x170x40	2,2	06920032	1



691 AN

Assortment in plastic box (10 pcs)

pcs	description	item/size
3	Bits for slot-head screws/ 0,6x4,5-0,8x5,5-1,2x6,5	660
3	Bits for Allen screws/3-4-5	660 E
3	Bits for PHILLIPS screws/1-2-3	660 PH
1	Magnetic bit-holder adapter	672 MG

LxPxH mm	g	code	
115x52x20	120	06910005	1



695 1/2"

Impact screwdriver

- For loosening rusted or locked screws
- Driving direction can be adjusted by turning the grip
- Special Chrome Vanadium steel
- Zinc Chrome plated finish

L mm	a mm	code	
145	34	695001	1



700 1/2"

Assortment in sheet steel box (6 pcs)

pcs	description	item/size
2	Bits for slot-head screws	661/1, 2x8-1,6x10
2	Bits for PHILLIPS screws	661 PH/2-3
1	Bit-holder sockets	685/6
1	Impact screwdriver	695 1/2"

LxPxH mm	kg	code	
200x65x35	1,2	700081	1



746

Crimping pliers for non-insulated open and closed terminals

- Model with screw-cutter, wire-cutter and wire-stripper
- PVC handgrip
- Body in cut sheet steel

L mm	mm ²	code	
235	0,5÷1 1,5÷2,5 4÷6	746001	5



747

Crimping pliers for pre-insulated terminals

- Model with screw-cutter, wire-cutter and wire-stripper
- PVC handgrip
- Body in cut sheet steel

L mm	mm ²	code	
235	0,5÷1 1,5÷2,5 4÷6	747001	5



748

DIN 46247-46248

Crimping pliers for non-insulated open terminals

- Self-locking adjustable model with wire-cutter and wire-stripper
- Jaws in microcast steel
- Body in pressed sheet steel

L mm	mm ²	code	
215	0,5÷1 1,5÷2,5 4÷6	748001	1



749

DIN 46230-46234

Crimping pliers for non-insulated closed terminals

- Self-locking adjustable model with wire-cutter and wire-stripper
- Jaws in microcast steel
- Body in pressed sheet steel

L mm	mm ²	code	
215	0,5÷1 1,5÷2,5 4÷6 10	749001	1

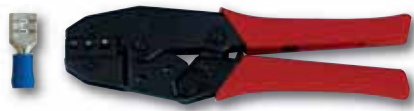


750

Crimping pliers for pre-insulated terminals

- Adjustable self-locking model with wire-cutter and wire-stripper
- Jaws in microcast steel
- Body in pressed sheet steel

L mm	mm ²	code	
215	0,5÷1 1,5÷2,5 4÷6	750001	1



751

Crimping pliers for pre-insulated terminals

- Rack model for progressive and calibrated crimping pressure
- PVC handgrips
- Jaws in microcast steel
- Sheet steel body

L mm	mm ²	code	
215	0,5÷1 1,5÷2,5 4÷6	751002	1



753

Crimping pliers for cable tip terminals

- Rack-type model with frontal insertion and automatic reopening of jaws at the end of the compression
- PVC handles
- Jaws in microcast steel
- Body in pressed sheet steel

L mm	mm ²	code	
225	0,25÷6	753002	1



753A

Crimping pliers for cable tip terminals

- Rack-type model for reducing the compression effort
- Ergonomic PVC grip which facilitates one-handed tightening
- Mould with 5 dies in stainless steel
- Sheet steel body

L mm	mm ²	code	
228	0,5÷1-1,5-2,5-4-6	753003	1



754

Pliers with interchangeable moulds

- Rack-type model with front connection and automatic jaw opening at the end of tightening
- Handles in PVC
- Jaws in microcast steel
- Body in sheet-steel
- Quick and safe mould replacement
- Supplied with 3 moulds for pre-insulated, open-shaft and tip terminals

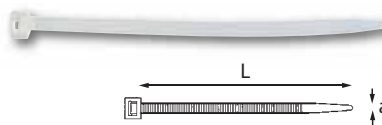
kg	code	
300	07540001	1



765 Cable ties pliers

- Model for nylon straps up to 9 mm wide
- Blade for cutting the projecting length
- Body in pressed sheet steel

L mm	code	
195	765001	1

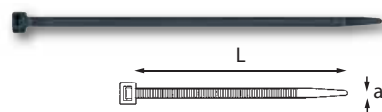


765 EB

Cable ties

- Neutral 6/6 nylon
- Self-extinguishing: UL 94 class V2
- In compliance with regulations MIL-S-23190E
- Approved: R.I.N.a. n. 5/006/91 File E 86244 (M)
- Pack of 100 pieces

axL mm	Ø max	code	
2,2x75	15	765018	1
2,5x98	21	765011	1
2,6x135	32	765019	1
2,6x200	52	765012	1
3,6x140	35	765013	1
3,6x200	50	765020	1
3,6x290	80	765014	1
4,8x200	50	765015	1
4,8x290	79	765016	1
4,8x360	103	765017	1
7,8x365	100	765021	1

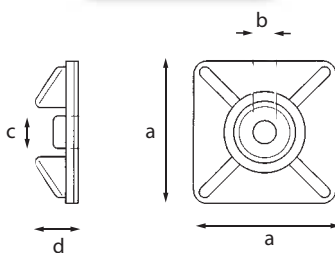


765 EN

Cable ties

- Black 6/6 nylon, resistant to salinity and UV-rays
- Self-extinguishing: UL 94 class V2
- In compliance with regulations MIL-S-23190E
- Approved: R.I.N.a. n. 5/006/91 File E 86244 (M)
- Pack of 100 pieces

axL mm	Ø max	code	
2,5x98	21	765051	1
2,6x135	32	765060	1
2,6x200	52	765061	1
3,6x140	35	765052	1
3,6x200	50	765062	1
3,6x290	80	765063	1
4,8x178	45	765053	1
4,8x200	50	765054	1
4,8x290	79	765055	1
4,8x360	103	765056	1
7,8x240	63	765057	1
7,8x365	100	765058	1
7,8x540	158	765064	1
7,8x750	200	765059	1



765 A

Two-way baseplates

- Adhesive version for cable ties up to 4,8 mm wide
- 6/6 nylon
- Approved: R.I.N.a. no 5/006/91
- Pack of 100 pieces

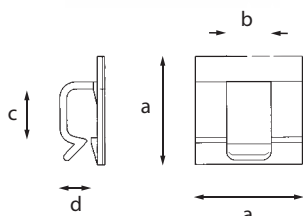
n°	colour	axbxc mm	d mm	code	
1	neutral	26,5x4,3x6	8	765072	1
2	black	26,5x4,3x6	8	765074	1

765 B

Two-way baseplates

- Non-adhesive version for cable ties up to 4,8 mm wide
- Neutral 6/6 nylon
- Approved: R.I.N.a. no 5/006/91
- Pack of 100 pieces

a mm	b mm	c mm	d mm	code	
26,5	4,3	6	8	765076	1



765 C

Supports for round cables

- Adhesive version
- Neutral 6/6 nylon
- Pack of 100 pieces

n°	axbxc mm	d mm	code	
5	19x10x4,5	5	765101	1
8	27x12,5x11	8	765102	1
15	26x16x18	15	765103	1



766/1

Assortment for automotive (451 pcs)

- Supplied in plastic case

pcs	description	item/size
1	Cable ties pliers	765
50	Two-way baseplates	765 A/2
100	Cable ties	765 EN/2,5x98
100	Cable ties	765 EN/3,6x140
100	Cable ties	765 EN/4,8x178
100	Cable ties	765 EN/4,8x200

LxPxH mm	kg	code	
325x273x53	1,3	766081	1

766/2

Assortment for electrotechnics (451 pcs)

- Supplied in plastic case

pcs	description	item/size
1	Cable ties pliers	765
50	Two-way baseplates	765 A/1
25	Supports for round cables	765 C/15
25	Supports for round cables	765 C/5
25	Supports for round cables	765 C/8
100	Cable ties	765 EB/2,5x98
25	Cable ties	765 EB/2,6x200
50	Cable ties	765 EB/3,6x140
25	Cable ties	765 EB/3,6x290
25	Cable ties	765 EB/4,8x200
50	Cable ties	765 EB/4,8x290
50	Cable ties	765 EB/4,8x360

LxPxH mm	kg	code	
380x307x80	1,8	766082	1

766/3

Assortment for electrotechnics (351 pcs)

- Supplied in plastic case

pcs	description	item/size
1	Cable ties pliers	765
50	Two-way baseplates	765 A/1
50	Cable ties	765 EN/2,5x98
25	Cable ties	765 EN/3,6x140
25	Cable ties	765 EN/4,8x178
25	Cable ties	765 EN/4,8x200
50	Cable ties	765 EN/4,8x290
50	Cable ties	765 EN/4,8x360
25	Cable ties	765 EN/7,8x240
50	Cable ties	765 EN/7,8x365

LxPxH mm	kg	code	
380x307x80	2,3	766083	1



767

Universal cross-type wrench

- For cabinets and technical fittings
- 9 different shapes
- Double sockets orientable and reversible
- Slot-head and Phillips shape with tap and hanging chain
- Hanging hole

capacity Nm	gr	code	item/size
200		07670001	1



810 N

Torque wrenches with reversible ratchet

- Adjustable torque model for clockwise tightening
- Precision ± 4% of the preset torque value
- Readings in Nm
- Sensible and audible alarm on reaching preset torque value
- Automatic resetting on pressure release after disengagement
- Supplied with test certificate

capacity Nm	resolution Nm	gr	L mm	code	item/size
5÷25	0,05	1/4	290	08104001	1
10÷50	0,25	3/8	350	08104002	1
20÷100	0,25	1/2	410	08104003	1
40÷200	0,5	1/2	475	08104005	1
68÷340	1	1/2	630	08104006	1



811 N

Torque rod

- Adjustable torque model for use in combination with fittings from the 811-series
- For clockwise and counterclockwise tightening by turning the fittings 180°
- 9x12 or 14x18 mm fittings
- Precision ± 4% of the preset torque value
- Readings in Nm
- Sensible and audible alarm on reaching preset torque value
- Automatic resetting on pressure release after disengagement
- Supplied with test certificate

capacity Nm	resolution Nm	mm	L mm	code	item/size
5÷25	0,05	9x12	270	08114001	1
10÷50	0,25	9x12	335	08114002	1
20÷100	0,25	9x12	395	08114003	1
40÷200	0,5	14x18	460	08114004	1
68÷340	1	14x18	615	08114005	1



811 NE

Torque wrenches with removable reversible ratchet

- Same features as torque wrenches 811 N
- Complete with reversible ratchet 811 E with 72 teeth

capacity Nm	gr	mm	L mm	code	item/size
5÷25	1/4	9x12	300	08114010	1
10÷50	3/8	9x12	370	08114011	1
20÷100	3/8	9x12	430	08114012	1
20÷100	1/2	9x12	430	08114013	1
40÷200	1/2	14x18	510	08114014	1
68÷340	1/2	14x18	665	08114015	1



811 AN 200

Assortment in sheet steel case (10 pcs)

pcs	description	item/size
7	Hexagonal sockets/ 10-13-14-17-19-22-24	235 1/2" EN
1	Extension	236 1/2"/125
1	Reversible ratchet with 72 teeth	811 E/1/2"
1	Torque rod	811 N/200

LxPxH mm	kg	code	item/size
505x233x60	4,2	08112001	1



811 BN 200

Assortment in sheet steel case (16 pcs)

pcs	description	item/size
7	Hexagonal sockets/ 10-13-14-17-19-22-24	235 1/2" EN
1	Extension	236 1/2"/125
1	Reversible ratchet with 72 teeth	811 E/1/2"
6	Open jaw wrenches/13-14-17-19-22-24	811 G
1	Torque rod	811 N/200

LxPxH mm	kg	code	item/size
505x233x60	5	08112002	1

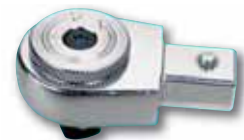


811 CN 200

Assortment in sheet steel case (16 pcs)

pcs	description	item/size
7	Hexagonal sockets/ 10-13-14-17-19-22-24	235 1/2" EN
1	Extension	236 1/2"/125
1	Reversible ratchet with 72 teeth	811 E/1/2"
6	Bi-hexagonal ring wrenches/13-14-17-19-22-24	811 K
1	Torque rod	811 N/200

LxPxH mm	kg	code	item/size
505x233x60	5	08112003	1



811 E

Reversible ratchet with 72 teeth

gr	mm	code	item/size
1/4	9x12	08110010	1
3/8	9x12	08111010	1
R1/2	9x12	08112010	1
1/2	14x18	08112011	1



811 F

Open jaw wrenches

- Fitting 9x12 mm

mm	code	item/size
8	08115005	1
10	08115007	1
12	08115009	1
13	08115010	1
14	08115011	1
17	08115014	1
19	08115016	1



811 G
Open jaw wrenches
 - Fitting 14x18 mm

Ø mm	code	
13	08115030	1
14	08115031	1
17	08115034	1
19	08115036	1
22	08115039	1
24	08115041	1



811 G/SE6
Set of six open jaw wrenches
 - 811 G/13-14-17-19-22-24

gr	code	
840	08115200	1



811 K
Bi-hexagonal ring wrenches
 - Fitting 14x18 mm

Ø mm	code	
13	08115130	1
14	08115131	1
17	08115134	1
19	08115136	1
22	08115139	1
24	08115141	1



811 K/SE6
Set of six bi-hexagonal ring wrenches
 - 811 K/13-14-17-19-22-24

gr	code	
790	08115201	1



812 N
Torque wrenches with reversible ratchet
 - Adjustable torque model for clockwise and counterclockwise tightening by turning the ratchet 180°
 - Precision ± 4% of the preset torque value
 - Readings in Nm
 - Sensible and audible alarm on reaching preset torque value
 - Automatic resetting on pressure release after disengagement
 - Safety block after setting torque
 - Supplied in sheet steel box with test certificate
 - Ratchet with male square drive 3/4"

capacity Nm	resolution Nm	L mm	code	
120÷600	2	1050	08120006	1
200÷1000	4	1490	08120010	1



811 H
Bi-hexagonal ring wrenches
 - Fitting 9x12 mm

Ø mm	code	
8	08115105	1
10	08115107	1
12	08115109	1
13	08115110	1
14	08115111	1
17	08115114	1
19	08115116	1



823 N **UNI-EN 26789**
Torque wrenches with dial

- Dial with dragging needle for storing the torque values reached, or for setting the torque value
- Precision ± 4% of the preset torque value
- Dual and opposed Nm and ft.lbs readings for clockwise and counterclockwise tightening
- Supplied in plastic case with test certificate

n°	capacity in. lbs	ft. lbs	Nm	resolution in. lbs	ft. lbs	1/4"
9	15÷75	-	0,2	1	-	1/4
30	50÷250	-	0,5	5	-	3/8
70	120÷600	-	1	10	-	3/8
240	-	35÷175	2,5	-	5	1/2
800	-	120÷600	10	-	10	3/4

n°	capacity Nm	L mm	code	
9	2÷9	300	823101	1
30	6÷30	300	823102	1
70	14÷70	450	823103	1
240	50÷240	620	823104	1
800	160÷800	1250	823105	1



824 A/75 **UNI-EN 26789**
Torque screwdriver for micromechanics

- Adjustable torque model for clockwise tightening, for use in combination with bits from the 660 series or, using an adapter, with sockets from the 1/4" manual series
- Precision ± 6% of the preset torque value
- Readings in Ncm
- Automatic disengagement on reaching the preset torque value
- Automatic resetting after 120°
- Supplied with regulation key and test certificate

capacity Ncm	resolution Ncm	L mm	code	
15÷75	0,5	135	08240003	1



824 A **UNI-EN 26789**
Torque screwdrivers

- Adjustable torque model for clockwise tightening, for use in combination with bits from the 660 series or, using an adapter, with sockets from the 1/4" manual series
- Precision ± 6% of the preset torque value
- Readings in Nm
- Automatic disengagement on reaching the preset torque value
- Automatic resetting after 120°
- Supplied with regulation key and test certificate

capacity Nm	resolution Nm	L mm	code	
0,5÷2,5	0,1	145	08240004	1
2÷10	0,5	167	08240006	1



824 N 2,5 S1

Assortment in sheet steel box (10 pcs)

pcs	description	item/size
3	Bits for slot-head screws/ 0,8x5,5-1,2x6,5-1,6x8	660
3	Bits for Allen screws	660 E/3-4-5
3	Bits for PHILLIPS screws	660 PH/1-2-3
1	Torque screwdriver	824 A/0,5÷2,5

LxPxH mm	gr	code	1
290x90x40	850	08240002	1

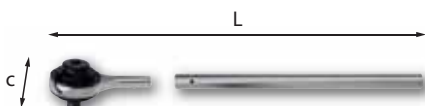


824 N 10 S1

Assortment in sheet steel box (9 pcs)

pcs	description	item/size
7	Hexagonal sockets/ 5-5,5-6-7-8-9-10	235 1/4" EN
1	Socket-holder adapters	664 QS/1/4"
1	Torque screwdriver	824 A/2÷10

LxPxH mm	gr	code	1
290x90x40	970	08240102	1



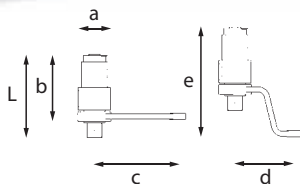
828 X4

Torque multiplier

- Light compact model for use in maintenance of industrial vehicles, agricultural machinery and earth-moving equipment
- Supplied in nylon bag with safety lever and test certificate
- Transmission rate 4:1

input torque max Nm	multiplication ratio	□	■
400	1:3,4	1/2	3/4
800	1:3,4	3/4	1

capacity max Nm	c mm	L mm	code	1
1400	85	600	828401	1
2700	113	680	828402	1



828

Torque multipliers

- Ratchet model with inversion lever for clockwise and counterclockwise tightening
- Non-return safety system for maintaining multiplier tension, thus avoiding dangerous returns at the end of each tightening operation
- Disengagement device to protect the mechanism which activates when the maximum capacity of the multiplier is exceeded
- Supplied in bag with straight and offset safety levers and test certificate

axbxc mm	dxe mm	L mm	□	■
108x196x310	195x285	224	1/2	1
119x231x300	213x351	271	1/2	1 1/2

capacity Nm	multiplication ratio	transmission ratio	code	1
3000	25:1	29,752:1	08280001	1
6000	25:1	29,752:1	08280002	1



830

Angle torque goniometers

- Model for use in combination with torque wrenches to accomplish tightenings with angle control
- Flexible shaft with anchoring magnet
- Steel structure

□	scale	resolution	L mm	code	1
1/2	0÷360°	2°	410	830001	1
3/4	0÷360°	2°	430	830002	1



870

Spring-clips pliers

- For hose clips on cooling, heating, fuel ect.

capacity ø mm	L mm	gr	code	1
12÷60	275	400	08700003	1



870/1

Spring-clip pliers

- Long model supplied with blocking system and pivoting tips

capacity ø mm	L mm	gr	code	1
15÷56	275	395	08700004	1



870/2

Spring-clip pliers

- Short model supplied with blocking system and pivoting tips

capacity ø mm	L mm	gr	code	1
15÷56	215	340	08700005	1



870 C

Hose pliers for fuel hoses

- For petrol and diesel vehicles
- Ergonomic bimaterial handgrip

L mm	code	1
175	08700006	1



871

Pliers for CORBIN clamps

- Model with choice of axial or 90° grip that can be blocked in three different positions

opening max ø mm	L mm	code	1
95	220	871001	1



871/2

Pliers for CORBIN clamps

- Model with device for adjustment and blocking of the jaw opening and pegs that turn up to 180°

opening max ø mm	L mm	code	
45	285	871002	1



871 A

Pliers for CORBIN clamps

- For cooling, heating and fuel hoses
- Adjustable arm (560 mm) that it keeps the set position
- Rack-type system to reduce efforts

capacity ø mm	code	
18÷54	871003	1



871 B

CLIC spring-clips pliers

- Pivoting jaws to 360° for an easy access

L mm	code	
205	871004	1



872 AN

Pliers for metal hose clamps

- To secure sleeves, bellows and rubber caps over homokinetic joints of axle-shafts (to be used with clamps 872 B and clips 872 C)

L mm	code	
160	872101	1



872 B

Spare hose clamps

strap width mm	L mm	code	
5	50	872002	1
10	25	872012	1



872 C

Clips

strap width mm	code	
5	872003	100
10	872013	100



872 N

Metal straps set

- For secure sleeves, bellows and rubber caps over homokinetic joints of axle-shafts
- Supplied in plastic case 265x225x50 mm

pcs	description	item/size
1	Pliers for metal hose clamps	872 AN
1	Spare hose clamp	872 B
100	Clips	872 C

kg	code	
1,2	872100	1



874

Valve guide seal pliers

- For removing valve guide seals

L mm	code	
235	874001	1



875

Socket wrenches for lambda probes

- For installing or removing lambda probes

ø mm	a mm	L mm	code	
22	30	85	875002	1
22L	30	110	875012	1



876

Adjustable lock-grip pliers

- For cutting exhaust pipes

capacity ø mm	L mm	code	
20÷75	250	876001	1



876 A

Spare chain

gr	code	
180	876101	1



877 CE

Compressed air gas extractor

- For suction and extraction from workshop environment of exhaust gas coming from cars, industrial vehicles and motorcycles
- Adjustable suction power for cars/trucks
- Model with wheels
- Suction cone with adjustable height (10÷100 cm)
- Compliance to the norms 2001/95/CE and 2003/10/CE

characteristics

Suction capacity	Car - up to 550 m³/h Truck - up to 790m³/h
Air consumption	Car - up to 330 l/min Truck - up to 430 l/min
Suction hose length	10 m
Suction hose Ø	120 mm

LxPxH mm	Kg	code	1
500x400x1450	9,5	08770001	1



3/8

884 B Diesel injection-line wrenches

- Bihexagonal opening (Ø 27mm)

Ø mm	L mm	code	1
14	95	08841003	1
17	95	08841005	1



885 K

Remover kit for glowplugs M8-M10

- Allows the removal of broken glowplugs without disassembling cylinders
- Specific for engines Mercedes CDI (engines with in-line cylinders)
- Supplied in plastic case

pcs	description	item/size
1	Ratchet tap wrench	618 L/1
1	Body guide with ball bearing	885 R1
1	Thread male	885 R10/M8x1
1	Thread male	885 R11/M10x1
1	Double diameter drill bit	885 R12/ Ø 7-5,5mm
1	Double diameter drill bit	885 R13/ Ø 9-5,5mm
1	Dummy injector	885 R2
1	Torx socket	885 R3/E10
1	Drill bit holder	885 R4
2	Guides for drill bit	885 R5/Ø 3,5mm
2	Threaded inserts	885 R6/1/4"
2	Drill bits	885 R7/Ø 3,5mm
1	Nut + extraction screw	885 R8
1	Thread male	885 R9/1/4"

LxPxH mm	Kg	code	1
370x77x315	2,2	08850001	1



886

Extractor for Common Rail electronic injectors

- For extracting Common Rail Bosch electronic injectors
- FIAT group

Kg	code	1
1,3	08860003	1



886 A2

Extractor for MERCEDES Common Rail electronic injectors

- It makes easy the extraction operations in cases of difficult access, without damage risk

gr	code	1
560	08860005	1



886 K

Universal kit for diesel injector removal

- To remove injectors
- BOSCH (GM 2.2L included)
- SIEMENS (PIEZO V2 included)
- DELPHI
- Multiple connection system (inside/outside) for injectors
- BOSCH
- Supplied in plastic case

pcs	description	item/size
1	Fork-type extractor for SIEMENS	886 R10
1	Adapter for SIEMENS	886 R11
1	Adapter for SIEMENS PIEZO V2	886 R13
1	Adapter for DELPHI	886 R14
1	Adapter for BOSCH	886 R15
1	Connection for BOSCH	886 R16
1	Screw-type connection for BOSCH	886 R17
1	Fork-type extractor for BOSCH	886 R18
1	Adapter for BOSCH GM 2,2L	886 R19
1	Beating mass 455 mm	886 R6/M18
1	Beating mass 300 mm	886 R7/M18
1	Handle for beating mass	886 R8
1	Beating mass	886 R9
1	Socket 25 mm for electrical connection (SIEMENS)	886 RA25
1	Socket 27 mm for electrical connection (SIEMENS)	886 RA27
1	Socket 29 mm for electrical connection (BOSCH)	886 RA29
1	Socket 30 mm for electrical connection (BOSCH)	886 RA30
1	Hexagonal bit 10 mm for electrode removal	886 RB10

LxPxH mm	Kg	code	1
600x420x150	11	08860010	1



1/2

886 RA

Sockets for removal of diesel injector electric connections

- Hexagonal opening

mm	code	1
25	Siemens Q08860005	1
27	Siemens Q08860006	1
29	Bosch Q08860007	1
30	Bosch Q08860008	1



886 RB10

Hexagonal bit 10 mm for electrode removal

- Hole Ø 7,5 mm

Ø mm	L mm	code	1
10	75	Q08860009	1



1/2



887/21

Socket for diesel engine injectors

- Long socket with bihexagonal opening (Ø 29mm)

Ø mm	L mm	code	
21	83	08870005	1



1/2



887/22L

Socket for diesel engine injectors

- Long socket with bihexagonal opening (Ø 29mm)

Ø mm	L mm	code	
22	98	08870008	1



1/2



887/27

Socket for diesel engine injectors

- Long socket with bihexagonal opening (Ø 29mm)

Ø mm	L mm	code	
27	87	08870010	1



887 FK1

Kit of cutters for diesel Common Rail seat cleaning

- To eliminate carbon deposits from the heater plug bores (BOSCH 15,5 mm BOSCH 17-19 mm SIEMENS and DELPHI 17mm) without risk to damage
 - Nickel Chrome steel for tools
 - Complete with handle and 3 milling heads for injectors

LxPxH mm	g	code	
320x115x45	1250	08870020	1



887 G

Tool for removal of diesel injector gaskets

- For easy and safe removal of Copper injector gaskets
 - Powerful slide-hammer puller 0,5 Kg. for easy removal of jammed seals
 - Adjustable gripper

L mm	g	code	
340	1,5	08870030	1



889 AN

Inspection lamp

- Model with steel protective cage and swivelling suspension hook
 - Level of protection IP 20
 - Oilproof plastic handle
 - Bulb with max power 60 W
 - Power supply 220V
 - Supplied with 10 metres of cable and a plug

ØxL mm	g	code	
95x390	1	08890001	1



889 F

Fluorescent inspection lamp

- Double insulated model with shock resistant rubber extremities and swivelling suspension hook
 - Level of protection IP 65
 - Transformer incorporated in the handle (voltage at the tube terminals 42÷46 V)
 - 8 W interchangeable fluorescent tube
 - Power supply 220 V
 - Supplied with 5 metres of cable and a plug

ØxL mm	g	code	
51x555	800	889003	1



889 KN

Cable reel with inspection lamp

- Model with automatic cable rewind and stops that can be inserted every 50 cm.
 - Shock resistant plastic body with swivelling bracket for attachment to wall
 - Supplied with inspection lamp (technical characteristic as 889 AN)

characteristics

Supply voltage	220 V
Protection level	IP 42
Length of working cable	16 m (1,5 m outside)

g	code	
5,6	08890002	1



889 KBN

Cable reel with transformer 12 V and inspection lamp

- Model with automatic cable rewind and stops that can be inserted every 50 cm
 - Shock resistant plastic body with swivelling bracket for attachment to wall
 - Supplied with inspection lamp (technical characteristics as 889AN)
 - Manual resetting circuit breaker, located on the secondary, prevents short-circuits and overload

characteristics

Supply voltage	220 V
Protection level	IP 42
Length of working cable	16 m (1,5 m outside)
Outputs	12 and 24 V
Power	60 W

g	code	
6,6	08890003	1



889 KR

Spare inspection lamp

- For 889 KN and 889 KBN

g	code	
295	889006	1



889 LN

Cordless LED inspection lamp

- Version with 14 LEDs
- Reinforced structure
- Shock resistant (IK9)
- Waterproof (IP64)
- Resistant to products and solvents used in car repair garages and industries (DOT, engine oil, petrol, diesel, ...)
- Higher brightness: 1000 lux (up to 0,5 m)
- Long lasting LED: 50.000 hours
- Endurance: 6 hours with 1 hour and 30 minutes recharge
- Green LED for charge reading
- Ni-MH rechargeable battery with high efficiency and low weight
- Electronic circuit for efficient battery and charge running
- No overheating when working
- Graduated fixing and orientation hook
- Supplied with charger/lamp holder that can be screwed onto the wall or positioned on the workbench
- Low tension lamp holder power (4,5V): high safety
- Charger cable length: 1,5 m
- Lamp weight: 480 g
- Lamp holder weight: 270 g

LxPxH mm	g	code	
250x55x45	750	08890011	1



889 L5

Cable for cygar lighter

- Cable for connection to the car cygar lighter plugs (12/24 V)
- Cable length 3 m

g	code	
10	Q08890015	1



889 M

Cordless LED lamp

- Reinforced structure
- Shock resistant
- Waterproof IP 55
- Resistant to products and solvents used in car repair garages and industries (DOT, engine oil, petrol, diesel,...)
- High brightness 400 LUX
- 4-hours charge time with a recharging speed of 2 hours and 30 minutes
- Recharging Lithium battery with high efficiency and low weight
- Ray of light adjustable at 360°
- Hook and magnet for safe fixing

g	code	
500	08890016	1



889 TA

Torch

- Body in anodized Aluminium
- LED technology
- Run-time working: 70 hours
- Built-in front glass
- Switching by rear button
- Fabric transport strap
- Powered by battery 2xAAA not included

L mm	code	
140	08890021	1



889 TB

Torch

- Body in anodized Aluminium
- 3 LED technology
- Run-time working: 100 hours
- Built-in front glass
- Switch button
- Fabric transport strap
- Powered by battery 2xAA not included

L mm	code	
180	08890022	1



889 TC

Torch

- Body in anodized Aluminium
- Run-time working: 24 hours
- Focus regulation by rotating the head
- Built-in front glass
- Switch button
- Powered by battery 2xD not included
- Spare bulb included in the rear tap

L mm	code	
260	08890023	1

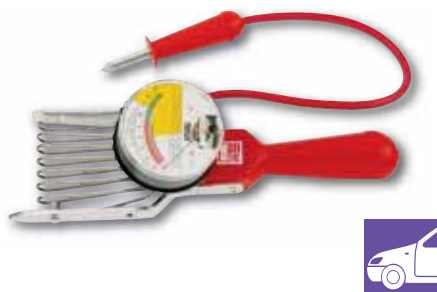


889 TD

Rechargeable torch

- Body in anodized Aluminium
- LED technology
- Brightness 90LM
- Built-in front glass
- Switch button
- Rechargeable battery Ni-MH
- Supplied with 12 V charger for car and 230 Vac charger

L mm	code	
165	08890024	1



890 Battery tester

- For measuring battery charge (6 and 12 V), with turned-off engine, with results within 5 sec
- Allows to check the functioning of the alternator

kg	code	
540	890001	1



891 K CE Digital battery tester with printer

- Checks 6 and 12 V (up to 200 Ah) batteries even when completely uncharged in few seconds whether in stock or mounted in the vehicle
- Measures voltage in Volt and the distribution of CCA current according to the standard selected by the user
- Measures voltage from 1 to 30 V for diagnosing alternator, diodes and regulator at different values of rpm
- Makes diagnosis of the efficiency of the choke and the starter engine
- Compliance to norms EN50082-1, EN50204, EN61010-4-3, EN61010-4-2
- Does not damage the electronic control units
- Supplied in plastic case 185x100x35 mm

characteristics

Battery diagnosis	6 and 12 V
Charge system	12 and 24 V
Voltage measures	1 - 30 V
CCA precision	± 5% (resolution 1 A)
CCA (standard)	SAE: 40÷2000 A, ENc1: 50÷2500 A, ENc2: 40÷2100 A, IEC: 30÷1500 A, DIN: 25÷1300 A
Display	LCD
Supply	4 batteries (LR6-AA) 1,5V

kg	code	
420	08910080	1



892 D Battery fillers

- Made of plastic: acid-resistant, oil-resistant and solvent-resistant

capacity ml	code	
500	892005	1
1000	892006	1



892 E Suction pump for battery liquid

L mm	code	
280	892007	1



899 N Stethoscope

- To locate engine defects
- Plastic grip

shaft mm	code	
230	08990000	1



905 A Antifreeze hydrometer

- Measures antifreeze levels in engine coolant
- Two scales: for cold or warm engines

L mm	code	
350	09050003	1



905 BN Acid hydrometer for batteries

- Measures the density of the battery liquid

L mm	code	
350	09050005	1



905 C Refractometer

- Instant check of battery charge or coolant freezing point of coolant and windshields cleaning fluid
- Temperature-compensated readings
- Supplied with case, sampling pipette and service screwdriver

characteristics

Coolant	0 ÷ -48°C (Prec ±0,55°C)
Battery fluid specific gravity	1,1 ÷ 1,4 Kg/l (Prec ±10%)
Windshields cleaning fluid	0 ÷ -40°C

L mm	kg	code	
240	445	09050010	1



906 N Pump for checking and calibrating diesel engine injectors

- To check the correct working of injectors and atomization pressure
- Tank with filter
- Supplied with connectors

bar	code	
0÷600	09060004	1



906 NL

Test liquid (to use with 906 N)

- In conformity to ISO 4143

capacity l	code	
2	09060006	1



906 NA

Connection pipe (for Bosh injectors)

description	code	
M12 x M14	Q09060003	1

906 NB

Connection pipe (for Bosch injectors)

description	code	
M14 x M14	Q09060004	1



907 N CE

Digital timing light

- For the stroboscopic visualization of the spark lead marks
- Suitable for 2 or 4 stroke engines until 2 sparks/rpm
- Reading memory
- Supplied in plastic box with cables and crocodile clips

characteristics

RPM	400 ÷ 19.999 RPM
Timing advance	0 ÷ 78°/90° (400/465 RPM)
DWELL	0 ÷ 65 ms 0 ÷ 100% 0 ÷ 120° (> 600 RPM)
Direct and peak voltage	1 ÷ 70 V
Timing revolutions counter	60 ÷ 600 RPM
Power supply	9,5 ÷ 15 V

kg	code	
1,7	09070080	1



907 S CE

Timing light

- For the stroboscopic visualization of the spark lead marks
- Suitable for 2 or 4 stroke engines until 2 sparks/rpm
- Supplied in plastic box with cables and crocodile clips

kg	code	
1,4	907082	1



910 B1 3/8" CE

Impact wrench

- Reversible model with power regulator

characteristics

Capacity	M10
Torque range	7-68 Nm
Max torque	102 Nm
Strokes per minute	2200
Speed	10000 RPM
Average air consumption	85 l/min
Air inlet thread	1/4"
Ø min hose size	8 mm
Air pressure	6,2 bar
Sound level (free/working)	85,3 dB(A)/96,8 dB(A)
Vibration level	2,5 m/s ²

L mm	kg	code	
137	1,2	09100005	1



910 B1/S11

Assortment in sheet steel case (11 pcs)

- Supplied with retainer pins and locking rings 235 MC-MD/2-3

pcs	description	item/size
7	Hexagonal sockets/ 8-10-11-12-13-14-15-17	235 3/8" M
1	Extension	236 3/8" M/125
1	Oiler	418/30
1	Impact wrench	910 B1 3/8

LxPxH mm	kg	code	
340x180x65	3,3	09100007	1



910 D1 3/4" CE

Impact wrench

- Reversible model with air exhaust through the handle and power regulator

characteristics

Capacity	M27
Torque range	130-700 Nm
Max torque	1020 Nm
Strokes per minute	1000
Speed	7200 RPM
Average air consumption	198 l/min
Air inlet thread	3/8"
Ø min hose size	13 mm
Air pressure	6,2 bar
Sound level (free/working)	86 dB(A)/97 dB(A)
Vibration level	2,5 m/s ²

L mm	kg	code	
235	4,5	09100015	1



910 D1/S12

Assortment in sheet steel case (12 pcs.)

- Supplied with retainer pin and locking ring 235 MC-MD/7

pcs	description	item/size
8	Hexagonal sockets/ 17-19-22-24-27-30-32-36	235 3/4" M
2	Extensions/100-150	236 3/4" M
1	Oiler	418/30
1	Impact wrench	910 D1 3/4

LxPxH mm	kg	code	
575x250x125	12,6	09100017	1

910 D1/S19

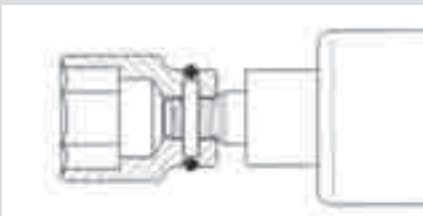
Assortment in sheet steel box (19 pcs)

- Supplied with retainer pin and locking ring 235 MC-MD/7

pcs	description	item/size
8	Hexagonal sockets/ 17-19-22-24-27-30-32-36	235 3/4" M
7	Long hexagonal sockets with thin walls/22-24-27-30-32-33-36	235 3/4" MLS
2	Extensions	236 3/4" M/100-150
1	Oiler	418/30
1	Impact wrench	910 D1 3/4

LxPxH mm	kg	code	
575x250x125	17,4	09100018	1

**With airtools use only
sockets and accessories
from the IMPACT LINE**



910 E1 ■ 1" CE

Impact wrench

- Reversible model with power regulator

characteristics	
Capacity	M33
Torque range	130-1650 Nm
Max torque	2170 Nm
Strokes per minute	720
Speed	4400 RPM
Average air consumption	255 l/min
Air inlet thread	1/2"
Ø min hose size	13 mm
Air pressure	6,2 bar
Sound level (free/working)	101 dB(A)/113 dB(A)
Vibration level	10,4 m/s ²

L mm	kg	code	
300	9,8	09100020	1



910 EL1 ■ 1" CE

Impact wrench

- Reversible model with extended shaft of 170 mm and power regulator

characteristics	
Capacity	M33
Torque range	130-1650 Nm
Max torque	2170 Nm
Strokes per minute	720
Speed	4400 RPM
Average air consumption	255 l/min
Air inlet thread	1/2"
Ø min hose size	13 mm
Air pressure	6,2 bar
Sound level (free/working)	101 dB(A)/113 dB(A)
Vibration level	9,4 m/s ²

L mm	kg	code	
523	11,3	09100022	1



913 B1 ■ 3/8" CE

Ratchet

- Ultra compact reversible model with rear air exhaust

characteristics	
Capacity	M10
Torque range	7-27 Nm
Max torque	27 Nm
Speed	250 RPM
Average air consumption	62 l/min
Air inlet thread	1/4"
Ø min hose size	6 mm
Air pressure	6,2 bar
Sound level (free/working)	88,4 dB(A)/101 dB(A)
Vibration level	3,9 m/s ²

L mm	kg	code	
176	700	09130004	1



913 B1/S10

Assortment in sheet steel case (10 pcs)

- Supplied with retainer pins and locking rings 235 MC-MD/2-3

pcs	description	item/size
7	Hexagonal sockets/ 8-10-11-12-13-15-17	235 3/8" M
1	Extension	236 3/8" M/125
1	Oiler	418/30
1	Ratchet	913 B1 3/8

LxPxH mm	kg	code	
340x180x65	2,4	09130006	1



913 PC1 ■ 1/2" CE

Ratchet (composite material frame)

- Reversible model with adjustable air exhaust
- Air inlet connector 360° revolving

characteristics	
Capacity	M10
Torque range	14-68 Nm
Max torque	81 Nm
Speed	280 RPM
Average air consumption	113 l/min
Air inlet thread	1/4"
Ø min hose size	8 mm
Air pressure	6,2 bar
Sound level (free/working)	98,1 dB(A)/109,9 dB(A)
Vibration level	4,2 m/s ²

L mm	kg	code	
314	1,2	09130008	1



913 PC1/S11

Assortment in sheet steel case (11 pcs)

- Supplied with retainer pins and locking rings 235 MC-MD/4-5

pcs	description	item/size
8	Hexagonal sockets/ 10-13-14-17-19-21-22-24	235 1/2" M
1	Extension	236 1/2" M/125
1	Oiler	418/30
1	Ratchet	913 PC1 1/2

LxPxH mm	kg	code	
383x220x68	4,3	09130010	1



914 A1 CE

Screwdriver (Ø 1/4")

- Reversible model with straight handle, rear air exhaust and adjustable friction clutch for effective torque control

characteristics

Max torque	13 Nm
Power	0,25 Kw
Speed	1800 RPM
Average air consumption	110 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	96,7 dB(A)/108 dB(A)
Vibration level	3,2 m/s ²

L mm	kg	code	
270	1,2	09140002	1



914 B1 CE

Screwdriver (Ø 1/4")

- Reversible model with pistol-grip, air exhaust through the handle and adjustable friction clutch for effective torque control

characteristics

Capacity	13 Nm
Power	0,3 Kw
Speed	1800 RPM
Average air consumption	110 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	99 dB(A)/110 dB(A)
Vibration level	3,1 m/s ²

L mm	kg	code	
216	1,2	09140004	1



916 B2 CE

Drill (10 mm)

- Non-reversible pistol-grip model with self-tightening chuck, air exhaust through the handle and precise speed regulator

characteristics

Capacity	10 mm
Power	0,45 Kw
Speed	2800 RPM
Average air consumption	124 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	88,0 dB(A)/99,0 dB(A)
Vibration level	2,5 m/s ²

L mm	kg	code	
234	1,45	09160012	1



916 C2 CE

Drill (13 mm)

- Non-reversible pistol-grip model with self-tightening chuck, air exhaust through the handle and precise speed regulator
- Supplied with additional handle

characteristics

Capacity	13 mm
Power	0,45 Kw
Speed	1300 RPM
Average air consumption	124 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	88,5 dB(A)/99,5 dB(A)
Vibration level	2,5 m/s ²

L mm	kg	code	
280	1,9	09160013	1



918 B OCE

Hammer with hexagonal attachment

- Model with adjustable speed and power regulator, with attachment for chisels with hexagonal shank 918 BH

characteristics

Ø shank	10 mm
Strokes per minute	3000
Piston stroke	50,8 mm
Average air consumption	90 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	101,4 dB(A)/113 dB(A)
Vibration level	10,0 m/s ²

L mm	kg	code	
169	1,6	09180006	1



918 B/S7

Assortment in sheet steel case (7 pcs)

pcs	description	item/size
1	Oiler	418/30
1	Hammer with hexagonal attachment	918 B
5	Chisels with hexagonal shank	918 BH/1 ÷5

LxPxH mm	kg	code	
383x220x58	4	09180008	1



918 BH

Chisels with hexagonal shank

- Chrome Vanadium steel
- Polished, oiled finish

n°	model	L mm	code	
1	edging tool	150	Q09180011	5
2	punch	165	Q09180012	5
3	straight chisel	160	Q09180013	5
4	cutting chisel	155	Q09180014	5
5	tail pipe cutter	140	Q09180015	5

918 BH/SE5

Set of five chisels (1 ÷5)

- Supplied in plastic wallet

kg	code	
740	09180012	1



918 M1

Spare spring (for 918 B)

kg	code	
55	Q09180020	2



920 AH

Pads with 6 holes for Velcro disks

- 920 AH1 for sander 920 AN1
- 920 AH2 for sander 920 AN2

n°	Ø mm	code	
1	152	Q09200002	1
2	152	Q09200003	1



920 AN1

Roto-orbital sander

- Model with adjustable speed and power regulator for intermediate sanding and finishing
- Supplied with pad for Velcro disks 920 AH1

characteristics	
Ø pad	152 mm
Free speed	10000/min
Ø orbit	5 mm
Average air consumption	105 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free)	78,0 dB(A)
Vibration level	2,9 m/s ²

L mm	kg	code	
221	0,84	09200011	1



920 AN2

Roto-orbital sander (orbit 10 mm)

- Model with adjustable speed and power regulator for roughening operations
- Supplied with pad for Velcro disks 920 AH2

characteristics	
Ø pad	152 mm
Free speed	9000/min
Ø orbit	10 mm
Average air consumption	115 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free)	92,0 dB(A)
Vibration level	73,49 m/s ²

L mm	kg	code	
272	2,25	09200012	1



920 F1

High-speed sander

- Model with pistol-grip, adjustable speed and power regulator, air exhaust through the handle
- Supplied with two pads 920 FH/SE2

characteristics	
Ø pad	76 - 127 mm
Free Speed	16000 RPM
Average air consumption	120 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	82,6 dB(A)
Vibration level	2,5 m/s ²

L mm	kg	code	
137	1,2	09200080	1



920 FH/SE2

Spare pads (Ø 76 and 127 mm)

à gr	code	
45	09200082	1



921 A CE

Angle grinders

- Model with adjustable speed and power regulator, front air exhaust

characteristics

Disk diameter	100mm (125mm)
Ø disk connection	16mm (24mm)
Power	0,75 Kw
Speed	12000 RPM
Average air consumption	120 l/min
Air inlet thread	1/4"
Ø min hose size	10mm
Air pressure	6,2 bar
Sound level (free/working)	86 dB(A)/94 dB(A)
Vibration level	2,5 m/s ²

n°	L mm	à Kg	code	
3 (Ø 100mm)	220	1,7	09210011	1
4 (Ø 125mm)	220	1,9	09210012	1



921 B1 CE

Die grinder

- Multi-purpose model with adjustable speed and power regulator, shaft mounted on ball bearings, front air exhaust

characteristics

Collect size	6 mm
Power	0,3 Kw
Speed	20000 RPM
Average air consumption	113 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	92,1 dB(A)/103,5 dB(A)
Vibration level	2,5 m/s ²

L mm	à gr	code	
142	600	09210015	1



923 A CE

Reciprocating saw

- Model with adjustable speed, for use with blades 923 AH/1-2

characteristics

Strokes/minute	10000
Average air consumption	230 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free)	83 dB(A)
Vibration level	18,5 m/s ²

L mm	à gr	code	
270	800	09230001	1



923 AH

Blades (for 923 A)

- Super high-speed steel
- For sheet steel cutting (923 AH1), light alloy/plastic/wood (923 AH2)

n°	teeth/inch	L mm	code	
1	32	90	Q09230001	5
2	24	90	Q09230002	5



924 A CE

Windshields remover

- Model with speed adjustment
- Supplied with 1 blade by 55 mm

characteristics

Strokes/minute	22000
Oscillation width	3°
Average air consumption	120 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Vibration level	75,6 dB(A)
Livello vibrazioni	2,2 m/s ²

L mm	à Kg	code	
197	1,2	09240001	1



924 L

Blades

- Carbon steel

n°	model	L mm	code	
1	scraper	80	924010	1
2	straight flat	67	924011	1
3	straight angled	60	924012	1
4	short hook	62	924013	1
5	long offset	128	924014	1
6	with middle hook	64	924015	1
7	with long hook	62	924016	1
8	curved offset	88	924017	1

924 L/SE8

Set of eight blades (L1÷L8)

n°	code	
1÷8	924020	1



925 C CE

Silicone gun

- For silicone, adhesives and cements of medium density (standard cartridges 50x215 mm)

characteristics

Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free)	70,0 dB(A)
Vibration level	2,5 m/s ²

L mm	à Kg	code	
310	1,1	09250010	1



925 A Silicone gun

- Model with device to stop the flow of material
- Aluminium body

L mm	code	
340	09250002	1



925 B CE Hot glue gun

- Model for hot glue stick \varnothing 11-12 mm
- Possibility to use without cable thanks to resistance preheating
- Double-insulated body heat-resistant

L mm	code	
192	09250003	1



926 A CE Oleo-pneumatic riveter

- Supplied with four interchangeable nozzles and service key

characteristics	
Capacity \varnothing (Al/inox)	2,4÷4,8 mm
Stroke	14 mm
Average air consumption	113 l/min
Air inlet thread	1/4"
\varnothing min hose size	10 mm
Air pressure	6,2 bar
Vibration level	1,3 m/s ²

L mm	kg	code	
230	1,6	09260001	1

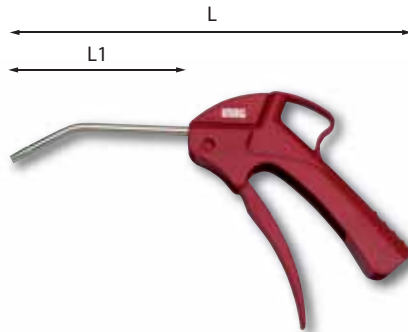


927 A Blow gun with shock resistant plastic body and gradual valve

- Version with soft anti-scratch plastic nozzle

characteristics	
Average air consumption at 6 bar	350 l/min
Air inlet (brass)	1/4"
Sound level at 6 bar	<80 dB (A)

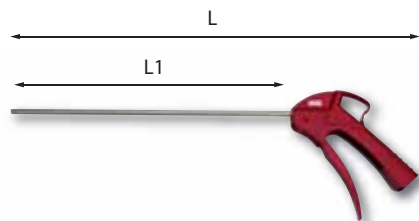
L mm	L1 mm	code	
157	19	09270005	1



927 B Blow gun with shock resistant plastic body and gradual valve

characteristics	
Average air consumption at 6 bar	460 l/min
Air inlet (brass)	1/4"
Sound level at 6 bar	<80 dB (A)

L mm	L1 mm	code	
246	108	09270006	1



927 C Blow gun with shock resistant plastic body and gradual valve

- Version with long nozzle

characteristics	
Average air consumption at 6 bar	430 l/min
Air inlet (brass)	1/4"
Sound level at 6 bar	<80 dB (A)

L mm	L1 mm	code	
450	312	09270007	1



927 MN CE Blow gun with gauge

- Model with double valve, Aluminium body and graduated scale in bar/psi
- Complies with CEE 86/217 standard

characteristics	
Scale	0÷10 bar/0÷140 psi
Inner head \varnothing	6 mm
Air inlet thread	1/4"

L mm	tubo mm	code	
197	440	927003	1



928 C1 1/2" CE Impact wrench

- Reversible model with double hammer, air exhaust through the handle and power regulator

characteristics	
Capacity	M16
Torque range	30-500 Nm
Max torque	610 Nm
Strokes per minute	1100
Speed	7000 RPM
Average air consumption	113 l/min
Air inlet thread	1/4"
\varnothing min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	97 dB(A)/108 dB(A)
Vibration level	3,9 m/s ²

L mm	kg	code	
195	2,6	09280010	1



928 C1/S11

Assortment in sheet steel case (11 pcs)

- Supplied with retainer pins and locking rings 235 MC-MD/4-5

pcs	description	item/size
8	Hexagonal sockets/ 10-13-17-19-21-22-24-27	235 1/2" M
1	Extension	236 1/2" M/125
1	Oiler	418/30
1	Impact wrench	928 C1 1/2

LxPxH mm	kg	code	
471x308x75	6,9	09280012	1

928 C1/S17

Assortment in sheet steel case (17 pcs)

- Supplied with retainer pins and locking rings 235 MC-MD/4-5

pcs	description	item/size
8	Hexagonal sockets/ 10-13-17-19-21-22-24-27	235 1/2" M
6	FULLCONTACT long hexagonal sockets with thin walls/17-19-21-22-24-27	235 1/2" MLS
1	Extension	236 1/2" M/125
1	Oiler	418/30
1	Impact wrench	928 C1 1/2

LxPxH mm	kg	code	
471x308x75	8,9	09280013	1



928 D1 ■ 3/4" CE

Impact wrench

- Reversible model with air exhaust through the handle

characteristics

Capacity	M24
Torque range	270-1220 Nm
Max torque	1495 Nm
Strokes per minute	820
Speed	5500 RPM
Average air consumption	269 l/min
Air inlet thread	3/8"
Ø min hose size	13 mm
Air pressure	6,2 bar
Sound level (free/working)	91 dB(A)/102 dB(A)
Vibration level	3 m/s ²

L mm	kg	code	
222	5,6	09280015	1



928 D1/S12

Assortment in sheet steel case (12 pcs)

- Supplied with retainer pin and locking ring 235 MC-MD/7

pcs	description	item/size
8	Hexagonal sockets/ 17-19-22-24-27-30-32-36	235 3/4" M
2	Extensions/100-250	236 3/4" M
1	Oiler	418/30
1	Impact wrench	928 D1 3/4

LxPxH mm	kg	code	
575x250x125	13,9	09280017	1

928 D1/S19

Assortment in sheet steel case (19 pcs)

- Supplied with retainer pin and locking ring 235 MC-MD/7

pcs	description	item/size
8	Hexagonal sockets/ 17-19-22-24-27-30-32-36	235 3/4" M
7	Long hexagonal sockets with thin walls/ 22-24-27-30-32-33-36	235 3/4" MLS
2	Extensions/100-250	236 3/4" M
1	Oiler	418/30
1	Impact wrench	928 D1 3/4

LxPxH mm	kg	code	
575x250x125	18,7	09280018	1



928 E1 ■ 1" CE

Impact wrench

- Reversible model with air exhaust through the handle and power regulator

characteristics

Capacity	M33
Torque range	150-1800 Nm
Max torque	2440 Nm
Strokes per minute	660
Speed	4200 RPM
Average air consumption	255 l/min
Air inlet thread	1/2"
Ø min hose size	13 mm
Air pressure	6,2 bar
Sound level (free/working)	101,4 dB(A)/113 dB(A)
Vibration level	2,6 m/s ²

L mm	kg	code	
290	11,2	09280020	1



928 PB1 ■ 3/8" CE

Impact wrench (composite material frame)

- Reversible model with double hammer, air exhaust through the handle, power regulator
- Ultra-light casing in high-resistant composite material and steel front housing

characteristics

Capacity	M10
Torque range	30-300 Nm
Max torque	380 Nm
Strokes per minute	1510
Speed	10000 RPM
Average air consumption	119 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	88 dB(A)/99 dB(A)
Vibration level	2,1 m/s ²

L mm	kg	code	img
157	1,3	09280055	1



928 PB1/S11

Assortment in sheet steel case (11 pcs)

- Supplied with retainer pins and locking rings 235 MC-MD/2-3

pcs	description	item/size
8	Hexagonal sockets/ 8-10-11-12-13-14-15-17	235 3/8" M
1	Extension	236 3/8" M/125
1	Oiler	418/30
1	Impact wrench	928 PB1 3/8

LxPxH mm	kg	code	img
340x180x65	3,5	09280057	1



928 PC1 ■ 1/2" CE

Impact wrench (composite material frame)

- Reversible model with double hammer, air exhaust through the handle, power regulator
- Ultra-light casing in high-resistant composite material and steel front housing

characteristics

Capacity	M16
Torque range	65-550 Nm
Max torque	813 Nm
Strokes per minute	1200
Speed	8000 RPM
Average air consumption	138 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	97,7 dB(A)/109,5 dB(A)
Vibration level	2,6 m/s ²

L mm	kg	code	img
180	2,4	09280060	1



928 PC1/S11

Assortment in sheet steel case (11 pcs)

- Supplied with retainer pins and locking rings 235 MC-MD/4-5

pcs	description	item/size
8	Hexagonal sockets/ 10-13-17-19-21-22-24-27	235 1/2" M
1	Extension	236 1/2" M/125
1	Oiler	418/30
1	Impact wrench	928 PC1 1/2

LxPxH mm	kg	code	img
471x308x75	6,2	09280062	1

928 PC1/S17

Assortment in sheet steel case (17 pcs)

- Supplied with retainer pins and locking rings 235 MC-MD/4-5

pcs	description	item/size
8	Hexagonal sockets/ 10-13-17-19-21-22-24-27	235 1/2" M
6	Long hexagonal sockets with thin walls/17-19-21-22-24-27	235 1/2" MLS
1	Extension	236 1/2" M/125
1	Oiler	418/30
1	Impact wrench	928 PC1 1/2

LxPxH mm	kg	code	img
471x308x75	7,9	09280063	1



928 PC2 ■ 1/2" CE

Impact wrench (composite material frame)

- Reversible model with double hammer, air exhaust through the handle, power regulator
- Ultra-light casing in high-resistant composite material and steel front housing

characteristics

Capacity	M10
Torque range	30-300 Nm
Max torque	380 Nm
Strokes per minute	1510
Speed	10000 RPM
Average air consumption	119 l/min
Air inlet thread	1/4"
Ø min hose size	10 mm
Air pressure	6,2 bar
Sound level (free/working)	88 dB(A)/99 dB(A)
Vibration level	2,5 m/s ²

L mm	kg	code	img
157	1,35	09280011	1



928 PD1 ■ 3/4" CE

Impact wrench (composite material frame)

- Reversible model with double hammer, air exhaust through the handle, power regulator
- Ultra-light casing in high-resistant composite material and steel front housing

characteristics

Capacity	M27
Torque range	270-1220 Nm
Max torque	1500 Nm
Strokes per minute	1050
Speed	5500 RPM
Average air consumption	200 l/min
Air inlet thread	3/8"
Ø min hose size	13 mm
Air pressure	6,2 bar
Sound level (free/working)	100,3 dB(A)/111 dB(A)
Vibration level	8,6 m/s ²

L mm	Kg	code	
221	3,9	09280065	1



930

Filter-regulator-lubricator

- Filter with semi-automatic humidity drain (automatic drain for item 930 3/4") and with sintered bronze filter element
- Pressure regulator with incorporated exhaust valve
- Lubricator with incorporated regulator

characteristics

Maximum working pressure	12 bar
Operating temperature	-10°C ÷ +50°C
Filtering capacity	50µ (40µ per 930 3/4")
Throughput (6 bar)	800 l/min (1/4"), 1250 l/min (3/8"-1/2"), 3500 l/min (3/4")

thread "	Kg	LxPxH mm	code	
1/4	1	104x78x191	930001	1
3/8 - 1/2	2	145x96x238	930002	1
3/4	4,7	270x160x290	930004	1



930 FN

Air flange

- To be positioned between the filter-regulator and the lubricator to draw regulated and filtered air before lubrication

thread "	code	
1/4	09300110	1
3/8 - 1/2	09300120	1



930 M

Spare manometer for 930/1/4" ÷ 3/4"

gr	code	
61	930020	1



930 G

Lubricating oil for airtools

- For lubrication line or directly on the airtool

characteristics

Density to 20°	877 Kg/m ³
Viscosity to 40°C	65
Viscosity to 100°C	8,7 cSt
Viscosity index	110
Freezing point	-23°C

ml	code	
500	930032	1



931

Bayonet connectors with sleeve for hose

- Brass body, Nickel plated

hose Ø mm	code	
6x14	931001	5
8x17	931002	5



932

Threaded male connectors for hose

- Cylindrical thread
- Brass body, Nickel plated

n°	thread "	internal hose Ø mm	code	
A6	1/4	6	932001	5
A8	1/4	8	932002	5
A10	1/4	10	932003	5
B10	3/8	10	932004	5
B12	3/8	12	932005	5
C12	1/2	12	932006	5



933 A

Male pipe fitting with milled nut for bayonet connector

- Cylindrical thread
- Brass body, Nickel plated, with Aluminium alloy nut

thread "	code	
1/4	933001	5



934 A

Universal quick couplers with balls and sleeve for hose

- Brass body, Nickel plated, with grip in shock resistant plastic

hose Ø mm	code	
6x14	934001	5
8x17	934002	5
10x19	934003	5



934 B

Male threaded universal quick couplers with balls

- Brass body, Nickel plated, with grip in shock resistant plastic

thread "	code	
1/4	934004	5
3/8	934005	5
1/2	934006	5



934 C

Female threaded universal quick couplers with balls

- Brass body, Nickel plated, with grip in shock resistant plastic

thread "	code	
1/4	934007	5
3/8	934008	5



935 A

Nipples for quick coupler with sleeve for hose

- Brass body, Nickel plated

hose Ø mm	code	
6x14	935001	5
8x17	935002	5
10x19	935003	5



935 B

Male threaded nipples for quick coupler

- Cylindrical thread
- Brass body, Nickel plated

thread "	code	
1/4	935005	5
3/8	935006	5



935 C

Female threaded nipples for quick coupler

- Brass body, Nickel plated

thread "	code	
1/4	935007	5
3/8	935008	5



935 D

Nipple for higher flow rates with sleeve for hose

- Brass body, Nickel plated

hose Ø mm	throughput (6 bar) l/mm	code	
8x17	2200	935004	5



935 E

Male threaded nipples for higher flow rates

- Conical thread
- Steel body, Zinc Chrome plated

thread "	throughput (6 bar) l/mm	code	
1/4	2200	935009	5
3/8	2200	935010	5
1/2	2200	935011	5



935 F

Female threaded nipples for higher flow rates

- Steel body, Zinc Chrome plated

thread "	throughput (6 bar) l/mm	code	
1/4	2200	935012	5
3/8	2200	935013	5



936 A

Universal quick couplers with balls and spiral spring

- Brass body, Nickel plated, with grip in shock resistant plastic

hose Ø mm	code	
6x8	936007	5
8x10	936008	5
10x12	936009	5



936 B

Nipples for quick coupler with spiral spring

- Brass body, Nickel plated

hose Ø mm	code	
6x8	936001	5
8x10	936002	5
10x12	936003	5



936 C

Higher flow rates nipples for quick coupler with spiral spring

- Brass body, Nickel plated, with steel Zinc Chromed plated nipple

hose Ø mm	throughput (6 bar) l/mm	code	
6x8	2200	936004	5
8x10	2200	936005	5
10x12	2200	936006	5



937 A

Self-storing RILSAN hoses with 1/4" fixed and swivelling male connectors

characteristics

Operating temperature	-40°C ÷ +80°C
Air pressure	6-6L: 29 bar / 8-8L: 18 bar
Bursting pressure	6-6L: 63 bar / 8-8L: 50 bar

n°	hose Ø mm	L mm	code	
6	6x8	7,5	937001	1
8	8x10	7,5	937002	1
6L	6x8	15	937004	1
8L	8x10	15	937005	1



937 B

Self-storing RILSAN hoses with bayonet connector and nipple for quick coupler

characteristics

Operating temperature	-40°C ÷ +80°C
Air pressure	6-6L: 29 bar / 8-8L: 18 bar / 10-10L: 17 bar
Bursting pressure	6-6L: 63 bar / 8-8L: 50 bar / 10-10L: 39 bar

n°	hose Ø mm	L m	code	
6	6x8	7,5	937010	1
8	8x10	7,5	937011	1
10	10x12	7,5	937012	1
6L	6x8	15	937013	1
8L	8x10	15	937014	1
10L	10x12	15	937015	1



937 C

Self-storing RILSAN hoses without connectors

characteristics

Operating temperature	-40°C ÷ +80°C
Air pressure	6: 29 bar / 8: 18 bar / 10: 17 bar
Bursting pressure	6: 63 bar / 8: 50 bar / 10: 39 bar

n°	hose Ø mm	L m	code	
6	6x8	30	937020	1
8	8x10	30	937021	1
10	10x12	30	937022	1



939 C1 CE

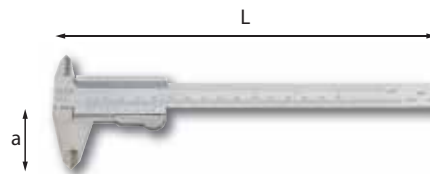
Air hose reel 10 mm

- Model with automatic hose rewind with holding device
- Shock resistant plastic casing with swivel bracket for attachment to wall
- Conformity to Machine Regulation 2006/42/CE and to the norms ISO EN 12100-1 e ISO EN 12100-2
- Glossy polyurethane hose

characteristics

Hose length	16 m
Ø Internal hose	10 mm
Max pressure	15 bar
Length of feeding hose	1,5 m
Output threaded male connector	3/8"

LxPxH mm	kg	code	
450x400x230	8,0	09390004	1



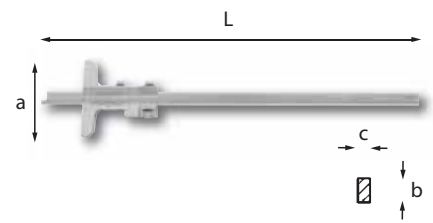
960

UNI-ISO 3599 DIN 862

Vernier caliper to 1/20 mm

- Beam and vernier of hardened stainless steel with protruding sliding guides
- Matt Chrome beam and vernier, anti-reflective
- Monobloc slider with lever lock
- Supplied in a plastic sheath

capacity mm/inch	vernier mm/inch	a mm	L mm	code	
150/6"	0,05/ 1/128"	40	232	960010	1



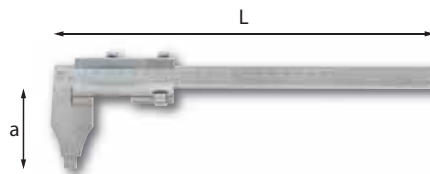
963

DIN 862

Sliding depth gauges to 1/50 mm

- Beam and vernier of hardened stainless steel with protruding sliding guides
- Matt Chrome beam and vernier, anti-reflective
- Micrometric adjustment with screw lock
- Supplied in a wooden case

capacity	vernier	axL mm	bxc mm	code	
200	0,02	80x290	14x4	963001	1
300	0,02	80x390	14x4	963002	1



960 C

UNI-ISO 6906 DIN 862

Vernier calipers to 1/50 mm

- Beam and vernier of hardened stainless steel with protruding sliding guides
- Matt Chrome beam and vernier, anti-reflective
- Tapered nose for inside measurement (from 10 mm)
- Micrometric adjustment with screw lock
- Supplied in a wooden case

capacity mm/inch	vernier mm	a mm	L mm	code	
200	0,02	65	330	960020	1
300	0,02	90	460	960021	1



965

Screw pitch gauges

- Blades for 60° metric ISO threads and 55° Whitworth threads

characteristics

Metric ISO	0,25-0,30-0,35-0,40-0,45-0,50-0,60-0,70-0,75-0,80-0,90-1,00-1,25-1,50-1,75-2,00-2,50-3,00-3,50-4,00-4,50-5,00-5,50-6,00
Whitworth	4-4,5-5-5,5-6-7-8-9-10-11-12-13-14-16-18-19-20-22-24-25-26-28-30-32-36-40-48-60-62

blades n°	code	
24-28	965001	5



960 D

DIN 862

Digital vernier caliper 1/100

- Stainless steel body
- Reading scale mm/inch
- Digit height: 9 mm
- Depth measurement with round section shaft (Ø1,5 mm)
- Slider screw lock
- Supplied in plastic case
- Battery CR2032

capacity mm/inch	vernier mm/inch	a mm	L mm	code	
150/6"	0,01/0,0005"	40	235	960014	1

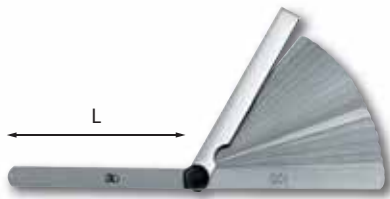


966

Thickness gauges

- Conic-shaped blades with rounded tips

blades n°	blades thickness mm	L mm	code	
8	0,05÷0,50	100	966001	5
13	0,05÷1,00	100	966002	5
20	0,05÷1,00	100	966003	5



966 L
Thickness gauges with long blades

- Conic-shaped blades with rounded tips

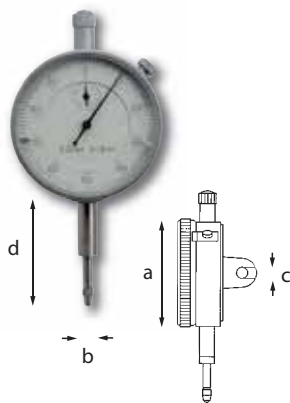
blades n°	blades thickness mm	L mm	code	
19	0,04±1,00	155	966004	1



967 **DIN 863**
Micrometers for outside measurement to 1/100 mm

- Anvil made of hardened steel, contact surfaces with hard metal inserts
 - Matt Chrome bow frame and thimble, anti-reflective
 - Friction-operated thimble and lever lock
 - Supplied in a wooden case with setting gauge and calibration key

capacity mm	resolution mm	a mm	L mm	code	
0÷25	0,01	6,5	126	967001	1
25÷50	0,01	6,5	153	967002	1
50÷75	0,01	6,5	180	967003	1
75÷100	0,01	6,5	206	967004	1



968 **UNI 4180 DIN 878**
Dial indicator to 1/100 mm

- Rack-type feeler of hardened stainless steel, threaded tip (M 2,5) for interchangeable styluses
 - Matt Chrome steel casing, anti-reflective
 - White rotating dial with adjustable tolerance markers and transparent shatterproof protection glass
 - Micrometric screw for manual zero-setting
 - Supplied in a wooden case

capacity mm	resolution mm	axbxc mm	d mm	code	
10	0,01	58x8x6	40	968001	1



968 M
Magnetic support for dial indicators

- Magnetic adherence force: 600 N
 - Intermediate beam height: 150 mm
 - Dial indicator clamp ø: 6-8 mm
 - Joints with quick-sliding jaws
 - Lever switch

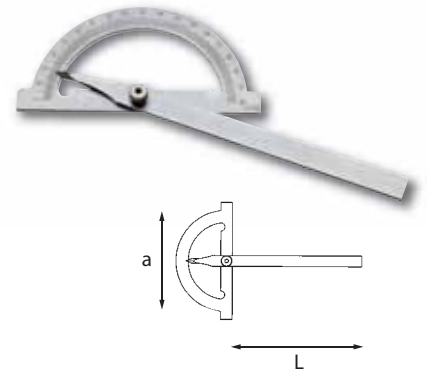
h max mm	base mm	code	
365	70x65x50	968010	1



969 **DIN 2270**
Dial indicator to 1/100 mm with contact stylus

- Matt Chrome monobloc steel body, anti-reflective
 - Hard metal stylus, ø 2,5 mm
 - High-precision clockwork with ruby bearing
 - Feeler tiltable to 220° perpendicular to the dial
 - Automatic inversion of measuring direction
 - Zero-setting by dial rotation
 - Supplied in a wooden case with feeler shafts ø 4 and 8 mm

capacity mm	resolution mm	scale	b mm	code	
0,8	0,01	0-40-0	12,5	969001	1



970 A
Standard steel protractors

- Matt Chrome plated scale, anti-reflective
 - Screw lock

a mm	scale	resolution	L mm	code	
120	0°÷180°	1°	150	970001	1
150	0°÷180°	1°	200	970002	1
200	0°÷180°	1°	300	970003	1



970 CN
Universal protractor

- Sliding rule and hook of hardened stainless steel
 - Matt Chrome plated scale and vernier, anti-reflective, with magnifying glass
 - Sliding rule with 45° and 60° ends
 - Supplied in a plastic case

scale	vernier	rule mm	code	
4x90°	1/12°-5°	300	970009	1



972
Precision dividers

- Fast opening model with fine adjustment screw
 - Straight tips made of special hardened steel
 - Ground finish

capacity mm	L mm	code	
150	195	972001	1
200	245	972002	1
250	295	972003	1

TOLERANCES (± mm)

	L=m	0,5	1	1,5	2	3	5	10	15	20	25	30	50	100
PRECISION CLASS	I	0,15	0,20	0,25	0,30	0,40	0,60	1,10	1,60	2,10	2,60	3,10	5,10	10,10
	II	0,40	0,50	0,60	0,70	0,90	1,30	2,30	3,30	4,30	5,30	6,30	10,30	20,30
	III	0,80	1,00	1,20	1,40	1,80	2,60	4,60	6,60	8,60	10,60	12,60	20,60	40,60



974

Scriber

- Monobloc scriber made of special hardened steel
- Plastic grip
- One straight tip and one tip bent at 110°
- Burnished finish

L mm	code	
220	974001	5



974 A

Carbide scriber

- Monobloc steel scriber, pen-type with pocket clip
- Tungsten carbide tip
- Galvanized finish

L mm	code	
150	974002	5



974 BN

Retractable carbide scriber

- Pen-type steel body with pocket clip
- Double-dressed retractable tip of tungsten carbide

tip ø mm	L mm	code	
2	150	974013	2



974 BNR

Spare tip

- For 974 BN

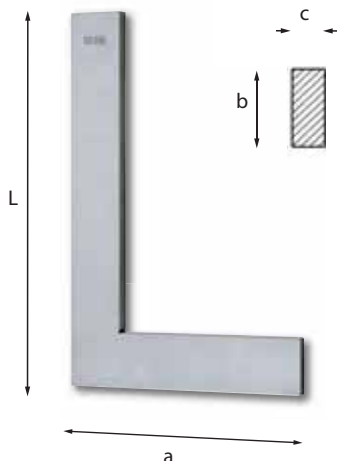
à gr	code	
1	Q974013	5



974 M

Carpenter's pencil

L mm	code	
178	974020	10

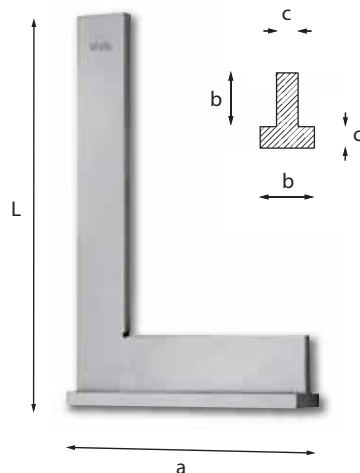


976

Standard squares

- Precision class DIN 875/2
- Normalized steel with ground faces and edges

L mm	a mm	bxc mm	code	
100	70	20x8	976003	1
150	100	25x8	976004	1
200	130	30x8	976005	1
250	165	35x8	976006	1
300	200	35x8	976007	1



976 C

Back squares

- Precision class DIN 875/2
- Normalized steel with ground faces and edges

L mm	a mm	bxc mm	code	
100	70	20x8	976013	1
150	100	25x8	976014	1
200	130	30x8	976015	1
250	165	35x8	976016	1
300	200	35x8	976017	1

978 A

Flexible graduated rules

- Precision class II
- Matt Chrome stainless steel, anti-reflective
- Double graduation photoengraved on one side

L mm	scale	section mm	code	
150	mm/ 1/2 mm	13x0,5	978002	5
200	mm/ 1/2 mm	13x0,5	978003	5
250	mm/ 1/2 mm	13x0,5	978004	5
300	mm/ 1/2 mm	13x0,5	978005	5
500	mm/ 1/2 mm	20x0,5	978006	2
1000	mm/ 1/2 mm	25x0,5	978007	2



978 B

Semi-rigid graduated rules

- Precision class II
- Matt Chrome stainless steel, anti-reflective
- Double graduation photoengraved on both sides (on one side only for 1000 mm rule)

L mm	scale	section mm	code	
300	mm/ 1/2 mm	30x0,8	978015	2
500	mm/ 1/2 mm	30x0,8	978016	2
1000	mm/ 1/2 mm	30x0,8	978017	2



980 A

Wooden folding rule

- Precision class III
- Double graduation on both sides, in black on alternating white and yellow background, red decimals

L m	scale	section mm	code	
2	mm	16x3,2	980020	5



981 B Bimaterial tape rules with stainless steel casing

- Precision class II
- Ergonomic bimaterial casing in shock-resistant stainless steel
- High-rigidity hardened steel tape, coated with anti-reflective, anti-corrosion and anti-wear nylon
- Stainless steel hook
- Stop button and automatic tape rewind
- Double graduation in black on yellow background, decimals highlighted

L m	scale	tape width mm	code	
2	mm	16	09810025	5
3	mm	19	09810026	5
5	mm	25	09810027	5
8	mm	25	09810028	5
10	mm	25	09810029	5



981 G Tape rules with ABS casing

- Precision class II
- Ergonomic casing with stainless steel clip
- High-rigidity hardened steel tape, coated with anti-reflective, anti-corrosion and anti-wear nylon
- Hook with stainless steel reinforcement plate
- Stop button and automatic tape rewind
- Double graduation in black on yellow background, decimals highlighted

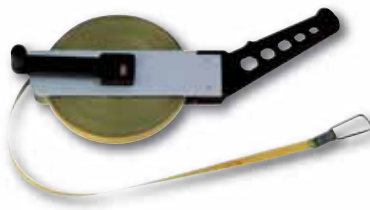
L m	scale	tape width mm	code	
2	mm	13	09810015	5
3	mm	16	09810016	5
5	mm	19	09810018	5
8	mm	25	09810019	5



982 N Steel tape rules

- Precision class II
- Closed casing of shatterproof ABS
- Hardened steel tape, anti-corrosion and anti-wear treated
- Rewinding system with winding handle
- Graduation in black on enamelled yellow background with meter indication in red

L m	scale	tape width mm	code	
10	mm - cm	13	982005	1
20	mm - cm	13	982006	1



982 L Steel tape rule with handle

- Precision class II
- Aluminium body, handle of shatterproof plastic
- Hardened steel tape, anti-corrosion and anti-wear treated
- Rewinding system with winding handle
- Graduation in black on enamelled yellow background with meter indication in red
- Supplied in plastic case

L m	scale	tape width mm	code	
50	cm	13	982003	1



982 F Fiberglass tape rules

- Precision class III
- Closed casing of shatterproof ABS
- Fiberglass tape, PVC-coated
- Rewinding system with winding handle
- Graduation on both sides, black on white background with meter indication in red

L m	scale	tape width mm	code	
10	cm	15	982011	1
20	cm	15	982012	1



984 Aluminium levels

- Body of profiled Aluminium, enamelled
- Shatterproof vials (5 years guarantee)
- Fluorescent liquid, unaffected by temperatures from -50° to +50°C
- Non-dispersing bubble
- Adjustable horizontal vial

L mm	base mm	precision	code	
150	22	0,057° = 1 mm/m	984001	1
400	22	0,057° = 1 mm/m	984002	1
500	22	0,057° = 1 mm/m	984003	1
600	22	0,057° = 1 mm/m	984004	1
800	22	0,057° = 1 mm/m	984005	1
1000	22	0,057° = 1 mm/m	984006	1



984 MN Aluminium levels with magnetic base

- Enamelled Aluminium body with ground base
- Shatterproof vials (5 years guarantee)
- Fluorescent liquid, unaffected by temperatures from -50°C to +50°C
- Non-dispersing bubble
- Adjustable and replaceable horizontal vial

L mm	base mm	precision	code	
300	22	0,057° = 1 mm/m	984024	1
400	22	0,057° = 1 mm/m	984025	1
500	22	0,057° = 1 mm/m	984026	1



984 RH Spare horizontal vial

- For levels 984 and 984 MN

gr	code	
14	Q984002	1



984 L Straight precision level

- For checking and positioning machine tools
- Cast-iron body with ground prismatic base
- Adjustable horizontal vial
- Supplied in a wooden case

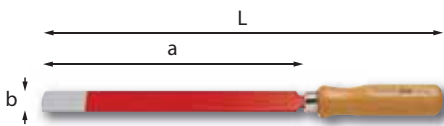
L mm	base mm	precision	code	
200	40	0,05 mm/m	984032	1



984 Q Square frame precision levels

- For checking and positioning machine tools
- Cast-iron body with ground prismatic and flat bases
- Adjustable horizontal vial
- Supplied in a wooden case

L mm	base mm	precision	code	
150	40	0,05 mm/m	984042	1
200	45	0,05 mm/m	984043	1

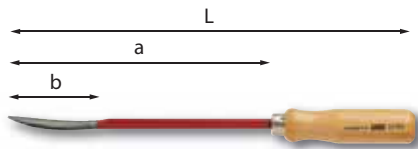


987 A

Flat scrapers

- Wooden handgrip
- Enamelled finish with polished blade edges

a mm	b mm	L mm	code	
150	20	260	987001	2
200	20	310	987002	2
250	25	360	987003	2

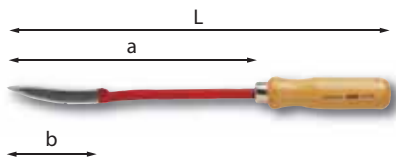


987 B

Half-round scrapers

- Wooden handgrip
- Enamelled finish with polished blade edges

a mm	b mm	L mm	code	
150	75	260	987011	2
200	85	310	987012	2
250	105	360	987013	2



987 C

Triangular scrapers

- Wooden handgrip
- Enamelled finish with polished blade edges

a mm	b mm	L mm	code	
150	70	260	987021	2
200	85	310	987022	2
250	100	360	987023	2



987 E

Flexible scrapers

- Flexible stainless steel blade with polished finish
- Ergonomic antislip bimaterial grip

a mm	L mm	code	
32	218	09870041	5
50	218	09870042	5
75	218	09870043	5

987 E/S3

Set of three flexible scrapers

- Set with 987 E 32-50-75

gr	code	
210	09870050	1



987 F

Rigid scrapers

- Rigid stainless steel blade
- Straight model (32-50) and bent model (32P)
- Ergonomic antislip bimaterial grip
- Steel dome on the rear

a mm	L mm	code	
32	218	09870046	5
32P	218	09870047	5
50	218	09870048	5

987 F/S3

Set of three rigid scrapers

- Set with 987 F 32-32P-50

gr	code	
370	09870051	1



988 A

Cutter for welding spots

- For removing welding spots without deforming the sheet steel
- Reversible cutter in Super Rapid steel

L mm	a mm	b mm	mm	code	
70	9,6	2,5	7	988001	1



988 AR

Spare cutter and awl

gr	code	
6	Q988005	5

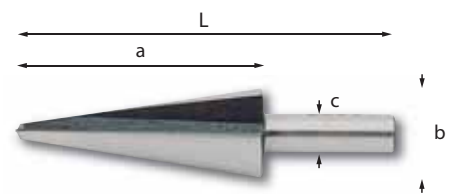


988 B

Drills for welding spots

- Re grindable self-centering Super Rapid steel drill

Ø mm	L mm	code	
6	66	988004	2
8	80	988005	2
10	88	988006	2



988 C

Cone bits

- For perforating sheet steel without leaving burrs and for enlarging, de-burring, or countersinking existing holes
- Super Rapid steel

n	capacity mm	axbxc mm	L mm	code	
1	3÷14	36x14x6	58	988007	1
2	8÷20	41x20x8	63	988008	1
3	16÷30	55x30x10	80	988009	1

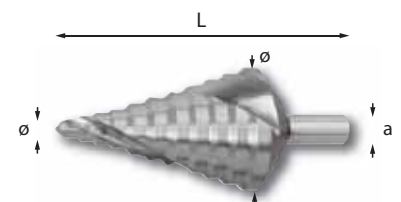


988 C/S6

Assortment in sheet steel case (6 pcs)

- Supplied with three cone bits 988 C/1-2-3, lubricant and fine and medium grain grindstones

LxPxH mm	gr	code	
235x90x35	715	988010	1



988 D

Stepped cutters

- For making round holes in ferrous and non-ferrous materials
- No pilot-hole required
- HSS steel

n°	capacity min-max mm	a mm	L mm	code	
1	4÷12	6	65	09880011	1
2	4÷20	8	75	09880012	1
3	4÷30	10	100	09880013	1
4	6÷38	10	100	09880014	1
5	6,5÷40,5	10	96	09880015	1
6	6÷37	10	100	09880016	1

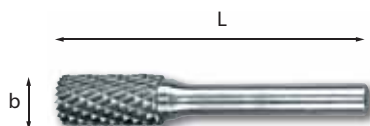


988 D/S3

Set in sheet steel case (3 pcs)

- Supplied with three stepped cutters 988 D/1-2-3

LxPxH mm	á gr	code	
150x112x35	500	09880020	1

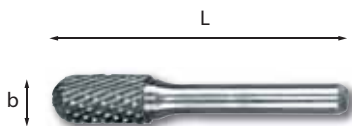


988 EA

Rotary burrs in hard metal

- To work special steel, stainless steel, generic ferrous materials and plastics
- High cutting capacity
- Shaft Ø 6mm

b mm	L mm	code	
10	60	09880038	1
12	65	09880039	1

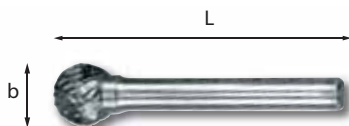


988 EC

Rotary burrs in hard metal

- To work special steel, stainless steel, generic ferrous materials and plastics
- High cutting capacity
- Shaft Ø 6mm

b mm	L mm	code	
10	60	09880042	1
12	65	09880043	1



988 ED

Rotary burrs in hard metal

- To work special steel, stainless steel, generic ferrous materials and plastics
- High cutting capacity
- Shaft Ø 6mm

b mm	L mm	code	
10	50	09880046	1
12	50	09880047	1



988 EF

Rotary burrs in hard metal

- To work special steel, stainless steel, generic ferrous materials and plastics
- High cutting capacity
- Shaft Ø 6mm

b mm	L mm	code	
10	60	09880050	1
12	65	09880051	1



988 EG

Rotary burrs in hard metal

- To work special steel, stainless steel, generic ferrous materials and plastics
- High cutting capacity
- Shaft Ø 6mm

b mm	L mm	code	
10	60	09880054	1
12	65	09880055	1



988 EM

Rotary burrs in hard metal

- To work special steel, stainless steel, generic ferrous materials and plastics
- High cutting capacity
- Shaft Ø 6mm

b mm	L mm	code	
10	60	09880058	1
12	65	09880059	1



988 E/S10

Set of ten rotary burrs in hard metal

- Supplied with 10 pieces in sheet steel box:
8 pcs. (Ø 10 e 12 shapes EA-EC-EF-EG)
2 pcs. (Ø 12 shapes ED-EM)

á gr	code	
600	09880062	1



988 G

Bimetallic hole saws

- To bore any kind of material with thin thickness
- Variable toothing in HSS steel
- Side notches
- Cutting depth Max 38 mm

a mm	L mm	code	
19	51	Q09880102	1
22	51	Q09880103	1
25	51	Q09880105	1
29	51	Q09880108	1
35	51	Q09880111	1
38	44	Q09880113	1
44	44	Q09880116	1
51	44	Q09880119	1
57	44	Q09880121	1
64	44	Q09880124	1



988 GA2

Bimetallic hole saws

- Adapter for bimetallic hole saws by 35÷64

á gr	code	
140	Q09880135	1



988 GA4

Bimetallic hole saws

- Adapter for bimetallic hole saws by 19÷29

à gr	code	
30	Q09880137	1



988 G/S12

Set of ten bimetallic hole saws

- Supplied in plastic case with:
 - 10 pcs 988 G (Ø 19-22-25-29-35-38-44-51-57-64)
 - 1 pcs 988 GA2
 - 1 pcs 988 GA4

à Kg	code	
1,2	09880100	1



988 LA/S14

DIN 338 DIN 371/376

Assortment with tap and drills

- Assortment with tap and drills for standard and through holes HSS-G
 - Grinded
 - Supplied in ABS box

Ø drills	M taps
2,5	3x0,5
3,3	4x0,7
4,2	5x0,8
5,0	6x1
6,8	8x1,25
8,5	10x1,5
10,2	12x1,75

à Kg	code	
2,7	09880070	1



988 MA/S19

DIN 338

Assortment with drills

- Assortment with HSS-G drills
 - Grinded
 - Supplied in ABS box
 - Ø drills: 1,0-1,5-2,0-2,5-3,0-3,5-4,0-4,5-5,0-5,5-6,0-6,5-7,0-7,5-8,0-8,5-9,0-9,5-10,0

à Kg	code	
2,9	09880073	1

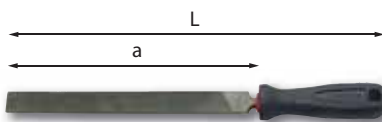
988 MA/S25

DIN 338

Assortment with drills

- Assortment with HSS-G drills
 - Grinded
 - Supplied in ABS box
 - Ø drills: 1,0-1,5-2,0-2,5-3,0-3,5-4,0-4,5-5,0-5,5-6,0-6,5-7,0-7,5-8,0-8,5-9,0-9,5-10,0-10,5-11,0-11,5-12,0-12,5-13,0

à Kg	code	
1,23	09880074	1



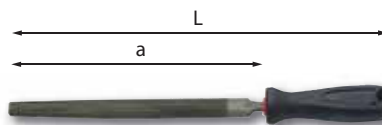
990 B PA

UNI 5487 ISO 234 DIN 7285

Flat square file

- Bastard cut
 - Plastic handgrip

a mm	a "	L mm	code	
200	8	320	09900136	5



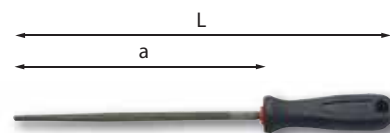
990 B PB

UNI 5489 ISO 234 DIN 7285

Half-round file

- Bastard cut
 - Plastic handgrip

a mm	a "	L mm	code	
200	8	320	09900137	5



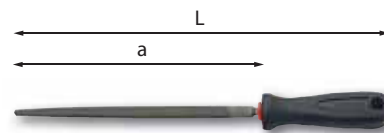
990 B PC

UNI 5494 ISO 234 DIN 7285

Round file

- Bastard cut
 - Plastic handgrip

a mm	a "	L mm	code	
200	8	320	09900138	5



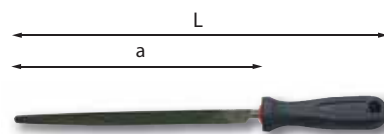
990 B PD

UNI 5493 ISO 234 DIN 7285

Square file

- Bastard cut
 - Plastic handgrip

a mm	a "	L mm	code	
200	8	320	09900139	5



990 B PE

UNI 5492 ISO 234 DIN 7285

Triangular file

- Bastard cut
 - Plastic handgrip

a mm	a "	L mm	code	
200	8	320	09900140	5



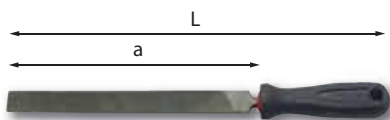
990 B2/SE5

Set of five files (990 B PA÷B PE)

- Supplied in plastic wallet
 - Bastard cut

pcs	description	item/size
1	Flat square file	990 B PA/200
1	Half-round file	990 B PB/200
1	Round file	990 B PC/200
1	Square file	990 B PD/200
1	Triangular file	990 B PE/200

à gr	code	
850	09900404	1

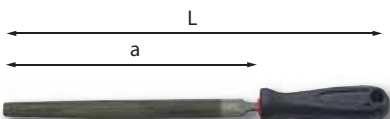


990 M PA UNI 5487 ISO 234 DIN 7285

Flat square file

- Second cut
- Plastic handgrip

a mm	a "	L mm	code	5
200	8	320	09900116	5

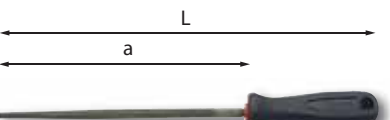


990 M PB UNI 5489 ISO 234 DIN 7285

Half-round file

- Second cut
- Plastic handgrip

a mm	a "	L mm	code	5
200	8	320	09900117	5

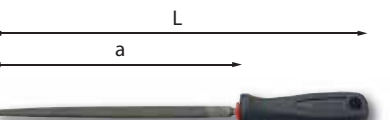


990 M PC UNI 5494 ISO 234 DIN 7285

Round file

- Second cut
- Plastic handgrip

a mm	a "	L mm	code	5
200	8	320	09900118	5

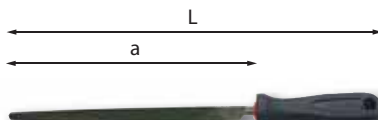


990 M PD UNI 5493 ISO 234 DIN 7285

Square file

- Second cut
- Plastic handgrip

a mm	a "	L mm	code	5
200	8	320	09900119	5



990 M PE UNI 5492 ISO 234 DIN 7285

Triangular file

- Second cut
- Plastic handgrip

a mm	a "	L mm	code	5
200	8	320	09900120	5



990 M2/SE5
Set of five files (990 M PA÷M PE)

- Supplied in plastic wallet
- Second cut

pcs	description	item/size
1	Flat square file	990 M PA/200
1	Half-round file	990 M PB/200
1	Round file	990 M PC/200
1	Square file	990 M PD/200
1	Triangular file	990 M PE/200

g	code	1
850	09900405	1



990 F
Flat file and rasp

- Second cut and rough cut
- Plastic handgrip

a mm	a "	L mm	code	5
200	8	320	990086	5



990/1
Spare handgrip
- For files BPA-BPB-BPC-F-MPA-MPB-MPC

g	code	5
35	990011	5

990/2

Spare handgrip

- For files BPD-BPE-MPD-MPE

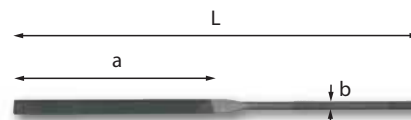
g	code	5
35	990012	5



990 RV9
Empty holders for files and scrapers

- Enamelled sheet steel

L mm	g	code	1
330	165	Q990100	1

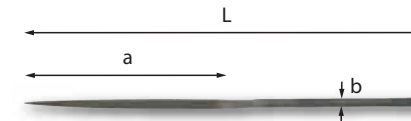


991 A UNI 5669

Flat needle file with flat edges

- Second cut

L mm	a mm	b mm	code	5
160	80	3,5	991001	5

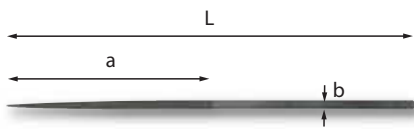


991 B UNI 5670

Triangular needle file

- Second cut

L mm	a mm	b mm	code	5
160	80	3,5	991002	5

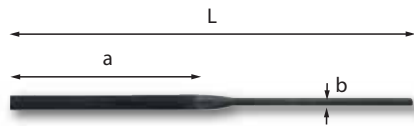


991 C
Round needle file

UNI 5670

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991003	5

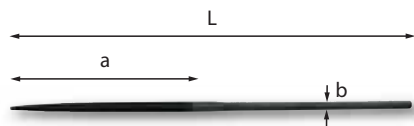


991 D
Slitting needle file

UNI 5669

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991004	5

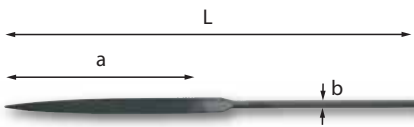


991 E
Square needle file

UNI 5670

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991005	5

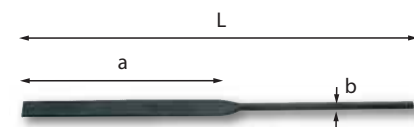


991 F
Flat tapering needle file

UNI 5670

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991006	5

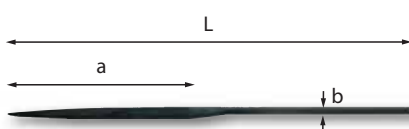


991 G
Flat needle file with round edges

UNI 5669

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991007	5

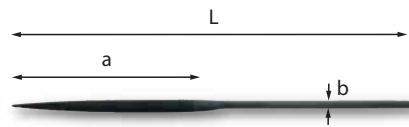


991 H
Half-round needle file

UNI 5670

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991008	5

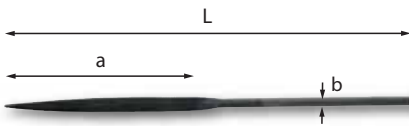


991 I
Half-round needle file

UNI 5670

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991009	5

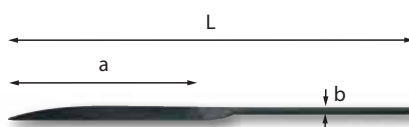


991 J
Crossing needle file

UNI 5670

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991011	5

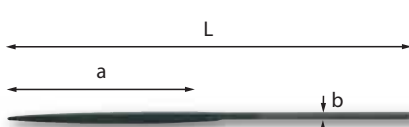


991 K
Knife needle file

UNI 5670

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991012	5



991 L
Bar needle file

UNI 5670

- Second cut

L mm	a mm	b mm	code	
160	80	3,5	991013	5



991 SE6

Set of six needle files

- Supplied in plastic wallet (A-B-C-D-E-F-I)

pcs	description	item/size
1	Flat needle file with flat edges	991 A/160
1	Triangular needle file	991 B/160
1	Round needle file	991 C/160
1	Square needle file	991 E/160
1	Flat tapering needle file	991 F/160
1	Half-round needle file	991 I/160

gr	code	
80	991021	1

991 SE12

Set of twelve needle files

- Supplied in plastic wallet (A÷L)

pcs	description	item/size
1	Flat needle file with flat edges	991 A/160
1	Triangular needle file	991 B/160
1	Round needle file	991 C/160
1	Slitting needle file	991 D/160
1	Square needle file	991 E/160
1	Flat tapering needle file	991 F/160
1	Needle file with round edges	991 G/160
1	Half-round needle file	991 H/160
1	Half-round needle file	991 I/160
1	Crossing needle file	991 J/160
1	Knife needle file	991 K/160
1	Bar needle file	991 L/160

gr	code	
140	991022	1



993 A

Metal brush

- Model with stainless steel wire bristles

L mm	code	
270	993001	5



993 B

Metal brush for disk brake-shoes

- For cleaning disk brake-shoes
- Steel bristles

L mm	code	
225	993003	5



993 C

Brush for spark plugs

- For cleaning electrodes
- Brass wires

L mm	code	
150	993005	5



994 A

Brush

- Model with soft bristles

L mm	section mm	code	
210	30x5	994001	5

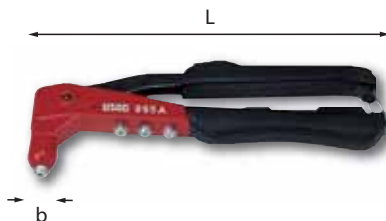


994 B

Brush

- Model with natural bristles

L mm	section mm	code	
210	40x15	994002	5



995 A

Hand riveter

- Light alloy body
- Pressed sheet steel pressure lever
- Handgrips with spring-action opening
- Supplied with four interchangeable nozzles and service key

capacity ø mm(Al) ø mm(Inox)	b mm	L mm	code	
2,4÷4,8	2,4÷4	22 273	995001	1

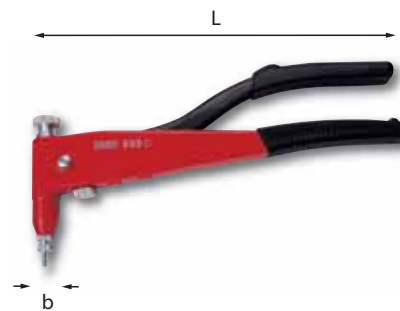


995 B

Hand riveter

- Light alloy body
- Pressed sheet steel pressure lever
- Supplied with three interchangeable nozzles

capacity ø mm(Al) ø mm(Inox)	b mm	L mm	code	
2,9÷4,8	2,9÷4,8	25 337	995002	1



995 C

Hand riveter for blind-nut rivets

- Light alloy body
- Pressed sheet steel pressure lever
- Supplied with three interchangeable nozzles

capacity ø mm	b mm	L mm	code	
4÷6	23,5	335	995000	1

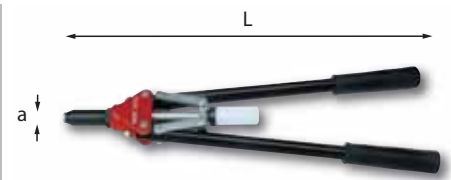


995 AC

Blind-nut rivets

- Steel body
- Zinc Chrome plated finish
- Pack of 100 pcs.

M ø mm	a ø mm	b ø mm	L mm	code	
4	5,9	6,75	10	995031	1
5	6,9	8	12	995032	1
6	8,9	10	13,5	995033	1

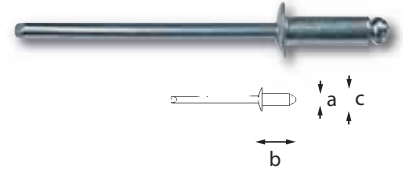


995 L

Hand riveter

- Light alloy body
- Handles in tubular steel
- Holder for spent nails
- Supplied with three interchangeable nozzles

capacity ø mm(Al) ø mm(Inox)	a mm	L mm	code	
2,9÷6	2,9÷5	22 510	995003	1



995 AL

DIN 7337

Aluminium rivets

- Standard round head
- Aluminium alloy with Zinc plated steel rivet
- Pack of 100 pcs.

a mm	b mm	c mm	hole ø mm	code	
3	8	6,5	3	995010	1
3	10	6,5	3	995011	1
3	12	6,5	3	995012	1
4	10	8	4	995013	1
4	12	8	4	995014	1
4	14	8	4	995015	1
4	16	8	4	995016	1
4,8	12	9,5	5	995017	1
4,8	14	9,5	5	995018	1
4,8	16	9,5	5	995019	1
4,8	20	9,5	5	995020	1



995 K

Assortment in plastic case (501 pcs)

pcs	description	item/size
1	Hand riveter	995 A
100	Aluminium rivets	995 AL/3x8
100	Aluminium rivets	995 AL/3x10
100	Aluminium rivets	995 AL/4x10
100	Aluminium rivets	995 AL/4x12
100	Aluminium rivets	995 AL/4,8x12

LxPxH mm	kg	code	
325x250x38	2	995005	1

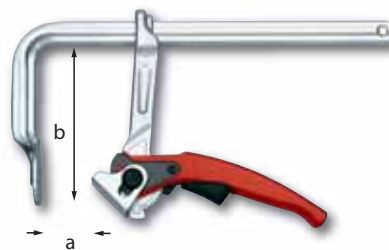


997 A

Screw-type clamp

- Basic model
- Body and sliding arm in forged steel
- Pressure screw with adjustable joint

a mm	b mm	section mm	kg	code	
160	80	16x7,5	0,5	09970002	2
200	100	19,5x9,5	0,9	09970003	2
250	120	22x10,5	1,2	09970004	2
300	140	25x12	1,8	09970005	2
400	120	25x12	1,9	09970006	2
500	120	25x12	2,1	09970007	2
600	120	25x12	2,3	09970008	2
800	120	27x13	3,3	09970009	1
1000	120	27x13	3,7	09970010	1

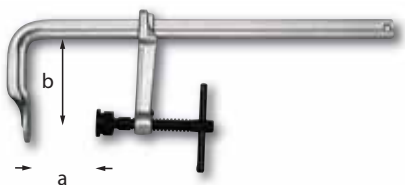


997 B

Lever-type clamp

- Quick lever model with precise regulation
- Body and sliding arm in forged steel
- Adjustable pressure cap

a mm	b mm	section mm	kg	code	
120	60	13,5x6,5	0,7	09970013	2
160	80	16x7,5	1	09970014	2
200	100	19,5x9,5	1,3	09970015	2
250	120	22x10,5	1,9	09970016	2
300	140	25x12	2,7	09970017	2
400	120	25x12	2,8	09970018	2
500	120	25x12	3	09970019	2



997 C

Screw-type clamp

- Medium-duty model
- Body and sliding arm in forged steel
- Pressure screw with adjustable joint

a mm	b mm	section mm	kg	code	
250	120	27x13	2	09970021	2
300	120	27x13	2,2	09970022	2
400	120	27x13	2,4	09970023	2
500	120	27x13	2,7	09970024	2
600	120	27x13	2,9	09970025	2
800	120	27x13	3,4	09970026	1



998 140A

EN 60974-1 60974-10

Inverter soldering equipment

- Inverter technology soldering equipment for MMA/TIG soldering
- Power supply 230 VAC
- Nominal current 140 A
- Regulation range 8-140 A
- Working cycle 130 A at 35%
- Electrode diameter Max 3.25
- HOT START: automatic
- ANTI-STICKING: automatic
- ARC FORCE: automatic
- Forced ventilation
- Thermostatic protection
- TIG SOLDERING (Tungsten Inert Gas) with scratch arc starting
- Protection class IP21
- Compact and light (only 4 kg) complete with electrode soldering kit
- In compliance with EN 60974-1 60974-10 norms

kg	code	
4	09980000	1



998/1

Electrode soldering kit for 998 140A - 998 K1

kg	code	
1	Q09980002	1



998/2

TIG torch for soldering equipment 998 140A + 998 K1

kg	code	
1	Q09980004	1



EN 60974-1 EN 50199
73/23 CEE 93/68 CEE
89/336 CEE

998 K1 170A

Inverter soldering equipment

- Inverter soldering equipment for MMA/TIG soldering
- Power supply 230 VAC
- Nominal current 170 A
- Regulation range 8-170 A
- Exceptional working cycle 160 A at 40%
- Electrode diameter Max 4 mm
- Efficiency 0.85
- Power factor (cos) 0.9
- Can be used for soldering with any type of electrode (rutile, basic, inoxidizable, cast iron,...) in a professional and reliable way
- HOT START : automatic
- ANTI-STICKING: automatic
- ARC FORCE: automatic
- Forced ventilation
- Thermostatic protection
- Overvoltage protection
- TIG SOLDERING (Tungsten Inert Gas) with scratch arc starting
- Working with motor generators
- Protection class IP23
- Compact and light (only 5 kg) with minimum dimensions (120x310x270 mm) complete with: shockproof case, electrode soldering kit, face guard with protection glass, brush-hammer
- Modern design
- In compliance with EN 60974-1 EN 50199 73/23CEE 93/68 CEE 89/336 CEE norms

kg	code	
5	09980001	1





1001 A/K1 Plasma airbox

- Power supply 230 VAC
- Frequency 50-60 Hz
- Automatic adjusting range
- Pilot arc current 20A
- Duty cycle 20A 60%
- Equipped with incorporated compressed air and pilot arc striking
- To be used on every type of material as well as for grating cutting
- Automatic current control for simple and easy use
- Working with motor generators
- Automatic ventilation
- Automatic thermostatic protection
- Automatic overvoltage protection
- Protection class IP21
- Insulation class H
- Precision cut 6 mm
- Separation cut 10 mm
- In compliance with EN 60974-1 60974-10 60974-7 norms

kg	code	
18	10010001	1



1308 N Timing tool set for RENAULT/OPEL

- DIESEL engines
- RENAULT 1.5, 1.9, 2.2 dCi (Clio, Kangoo, Megane, Scenic, Laguna, Laguna II, Trafic, Espace, Master)
- OPEL 2.2, 2.5 DTI (Omega, Frontera, Movano, Vectra, Signum, Zafira)
- Supplied in sheet steel case

LxPxH mm	kg	code	
283x192x51	2,7	13080082	1



1309 Timing tool set for BMW

- PETROL and DIESEL engines: 316, 318, 320, 323, 328, 518, 520, 530, 535, 728, 735, 750, 840, M3, X5, Z3
- Supplied in sheet steel case

LxPxH mm	kg	code	
418x380x51	7,8	13090080	1



1311 N Timing tool set for FORD

- PETROL and DIESEL models (Fiesta, Escort, Orion, Focus, Mondeo, Cougar, Sierra, P100, Transit, Puma, Courier, Galaxy)
- Supplied in sheet steel case

LxPxH mm	kg	code	
283x192x51	2,4	13110084	1



1311/1 N Timing tool set for FORD/PSA

- DIESEL engines
- FORD Duratorq 1.4, 1.6, 2.2, 2.4 TDCI (Fiesta, Fusion, Focus, Mondeo, Transit)
- PSA 1.4, 1.6 HDI (C3, 206, 307)
- Supplied in sheet steel case

LxPxH mm	kg	code	
283x192x51	2,4	13110083	1



1312 Timing tool set for OPEL

- PETROL and DIESEL engines
- Corsa, Agila, Nova, Astra, Kadett, Tigra, Vectra, Zafira, Cavalier, Calibra, Frontera, Omega
- Supplied in sheet steel case

LxPxH mm	kg	code	
418x380x51	6	13120080	1



1313 Timing tool set for PEUGEOT - CITROEN

- PETROL and DIESEL engines
- Peugeot: 106, 205, 307, 309, 405, 306, 605, 607, 806, Boxer, 206, 406, Expert, Ulysse (Fiat)
- Citroen: AX, ZX, BX, Xsara, Saxo, Berlingo, Visa, Evasion, Xantia, XM, C5, Picasso, Jumper
- Supplied in sheet steel case

LxPxH mm	kg	code	
418x320x51	6,6	13130080	1



1314

Timing tool set for RENAULT

- PETROL and DIESEL engines
- Twingo, Clio, Kangoo, R19, R21, Trafic, Express, Megane, Scenic, Laguna, Espace, R25, Safrane, Master
- Supplied in sheet steel case

LxPxH mm	kg	code	
418x380x51	6,1	13140080	1



1315/1

Timing tool set for VAG (SEAT - VW - SKODA)

- PETROL engines 1.2 3 cyl. 6V and 12V Seat, Skoda, VW
- SEAT (Ibiza), SKODA (Fabia), VW (Polo, Fox, Lupo)
- Supplied in sheet steel case

LxPxH mm	kg	code	
283x192x51	1,1	13150081	1



1315/2

Timing tool set for VAG (AUDI - SEAT - VW - SKODA)

- PETROL engines 1.4-1.6 FSI and 1.4 TSI
- AUDI (A3)
- SEAT (Leon)
- SKODA (Octavia)
- VW (Polo, Golf, Passat, Touran, Jetta, Tiguan)
- Supplied in sheet steel case

LxPxH mm	kg	code	
275x200x51	2,1	13150083	1



1315 N

Timing tool set for VAG (AUDI - SEAT - VOLKSWAGEN - SKODA)

- PETROL and DIESEL engines
- AUDI (80, 100, A2, A3, A4, A6, A8, TT)
- SEAT (Arosa, Ibiza, Cordoba, Inca, Toledo, Leon, Alhambra, Terra, Altea)
- SKODA (Felicia, Octavia, Fabia)
- VW (Corrado, Scirocco, Trasporter, Lupo, Polo, Golf, Vento, Bora, Caddy, Passat, Sharon, New Beetle, Santana, Touran)
- FORD (Galaxy)
- Supplied in sheet steel case

LxPxH mm	kg	code	
418x192x51	3,6	13150082	1



1316

Timing tools set for DIESEL PUMPS

- Bosch VE, Lucas, DPC/CAV, Rotodiesel
- Supplied in sheet steel case

LxPxH mm	kg	code	
283x192x51	1,7	13160080	1



1318

Timing tool set for FIAT 1.6 16V

- PETROL engines 1.6 16V (Multipla, Stilo, Bravo, Brava)
- Supplied in plastic box

LxPxH mm	kg	code	
320x112x44	1,6	13180080	1



1319

Timing tool set for FIAT - LANCIA 1.2 16V

- PETROL engines 1.2 16V (Fiat Punto and Lancia Y)
- Supplied in plastic case

LxPxH mm	kg	code	
320x112x44	1,1	13190080	1



1319/1

Timing tool set for FIAT/LANCIA 1.2 8V - 1.4

- Petrol engines 1.2 8V and 1.4 FIRE EVO (FIAT Grande Punto, Panda, Idea, Doblò)
- Supplied in plastic case

LxPxH mm	kg	code	img
380x300x80	2,5	13190081	1



1320/1

Timing tools set for FIAT - ALFA ROMEO - LANCIA

- Kit composed by: 23 adapters, 1 tool for variable valve timing rotation (1340/1), 1 tool for TDC (1343)
- Supplied in plastic case

pcs	description	item/size
2	1400 12V (FIAT - LANCIA)	1320 A
2	2000 20V (LANCIA)	1320 B
2	1800 16V 113CV (FIAT - LANCIA)	1320 F
2	1800 16V 130CV (FIAT - LANCIA - ALFA ROMEO)	1320 G
2	2000 20V (FIAT)	1320 H
2	1600 16V (ALFA ROMEO)	1320 I
2	1400 16V 103CV (ALFA ROMEO); 1600 16V 105CV (ALFA ROMEO); 1600 16V 120CV (ALFA ROMEO)	1320 L
2	1800 TS 16V 140-144CV (ALFA ROMEO); 2000 TS 16V 150-155CV (ALFA ROMEO)	1320 M
2	1600 eco (ALFA ROMEO)	1320 N
2	2000 JTS 16V 165CV (ALFA ROMEO)	1320 P
2	1800 16V 132 CV (FIAT - LANCIA)	1320 Q
2	2000 20V Turbo (FIAT - LANCIA)	1320 R
1	Tool for T.D.C. control	1343

LxPxH mm	kg	code	img
383x305x81	4,2	13200081	1



1320 A Adapters

- 1.4 12V (Bravo, Brava, Ypsilon)

kg	code	img
400	Q13200010	1



1320 B Adapters

- 5 cylinders VIS > 1996 (Kappa)

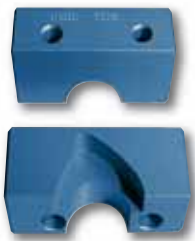
kg	code	img
250	Q13200011	1



1320 C Adapters

- Engines 3.0 V6 24 V

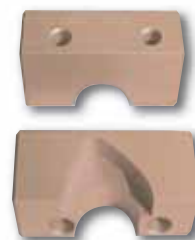
kg	code	img
250	Q13200013	1



1320 D Adapters

- Engines VIS 4 cylinders

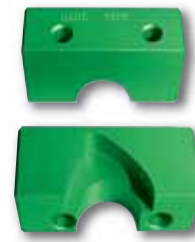
kg	code	img
250	Q13200017	1



1320 E Adapters

- Engines 5 cylinders < 1996

kg	code	img
250	Q13200019	1



1320 F Adapters

- 1.8 16V 113cv (Bravo, Brava, Marea, Dedra, Delta)

kg	code	img
250	Q13200021	1



1320 G Adapters

- 1.8 16V 130cv (Bravo, Brava, Barchetta, Coupé)

kg	code	img
250	Q13200023	1



1320 H Adapters

- 2.0 20V (Bravo, Brava, Marea)

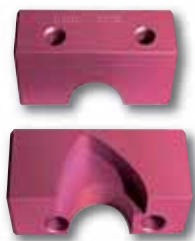
kg	code	img
250	Q13200025	1



1320 I

Adapters

- 1.6 16V (145,146,147, 156 step A)



♠ gr	code	
250	Q13200027	1



1320 L

Adapters

- 1.4 16V 103cv (145, 146)
- 1.6 16V 105cv (147)
- 1.6 16V 120cv (145, 146, 147, 155, 156)



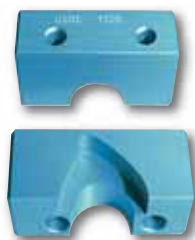
♠ gr	code	
200	Q13200029	1



1320 M

Adapters

- 1.8 TS 16V 140-144cv (145, 146, 155, 156)
- 2.0 TS 16V 150-155cv (145, 146, 147, 155, 156, 164, GTV, Spider)



♠ gr	code	
200	Q13200031	1



1320 N

Adapters

- 1.6 eco (147)



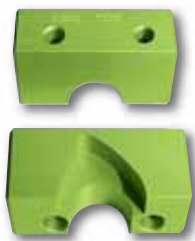
♠ gr	code	
250	Q13200033	1



1320 P

Adapters

- 2.0 JTS 16V 165cv (147, 156, 166, GTV, Spider GT)



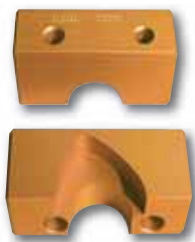
♠ gr	code	
400	Q13200035	1



1320 Q

Adapters

- 1.8 16V 132cv (Barchetta, Coupé, Punto HJT, Dedra, Delta "step A")



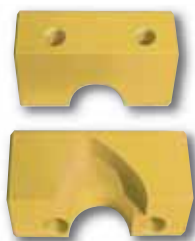
♠ gr	code	
400	Q13200037	1



1320 R

Adapters

- 2.0 20V Turbo (Coupé, Kappa)



♠ gr	code	
400	Q13200039	1



1343

Tool for T.D.C. control

- To be used with a comparator
- M14 threading

L mm	♠ gr	Ø mm	code	
277	405	21	13430002	1



1344

Timing tool set for FIAT Multijet

- Multijet Diesel engines 1.3 (FIAT, LANCIA, OPEL, SUZUKI)
- Supplied in plastic case

LxPxH mm	♠ Kg	code	
320x275x60	2	13440080	1



1344/1

Timing tool set for FIAT/ALFA/LANCIA/OPEL

- Multijet Diesel engines (JTD) 1.9 and 2.4
- Supplied in plastic case

LxPxH mm	♠ Kg	code	
320x275x60	1,1	13440081	1



1345

Timing tool set for FIAT/IVECO/PSA/FORD

- For commercial vehicles with Multijet Diesel engines 2.2
- 2.3 - 3.0 (FIAT New Ducato, IVECO Daily, FORD Transit Van, PEUGEOT Boxer, CITROEN Jumper)
- Supplied in plastic case

LxPxH mm	♠ Kg	code	
380x275x80	4,5	13450080	1



1410 Compression tester for petrol engines

- 1÷10 cylinders
- Supplied in plastic case

pcs	description	item/size
1	Test cards	1410 B10
1	Spare rubber retainer	1410 B2
1	Spark plug adaptor	1410 B6

LxPxH mm	bar	kg	code	
440x380x100	4÷17	2,2	14100080	1



1410 B Spark plug adapters

item	n°	description	code	
1410 B1	1	long spark plug adapter M14	14100011	1
1410 B3	3	spark plug adapter M14	14100013	1
1410 B4	4	spark plug adapter M18	14100014	1
1410 B5	5	spark plug adapter M10	14100015	1
1410 B6	6	spark plug adapter M12	14100016	1

1410 B2 Spare rubber retainer (5 pcs)

kg	code	
40	14100012	1



1410 B10 Test cards - petrol (50 pcs)

kg	code	
120	Q14100001	1



1450 Compression tester for diesel engines

- 1÷10 cylinders
- Supplied in plastic case

LxPxH mm	bar	kg	code	
440x380x100	8÷40	2,3	14500080	1



1450 DC1 Dummy heater plug

kg	code	
65	14500010	1



1450 DI1 Dummy injector

kg	code	
330	14500015	1



1450 DI2 Dummy injector

kg	code	
215	14500016	1



1450 DI3 Dummy injector

kg	code	
227	14500017	1



1450 D10 Test cards - diesel (50 pcs)

kg	code	
120	Q14500001	1



1510 N Cooling system tester

- Checks cooling system tightness (hoses, clips, pump, radiator, cylinder-head gasket)
- Supplied in plastic case with pump, pressure gauge and screw cups

LxPxH mm	kg	code	
445x335x95	2,1	15100081	1



1547 Vacuum cooling system filler

- To fill quickly and completely the cooling systems, even without bleeding screw
- For quick and safe operations
- Supplied in plastic case with 5 adapters

LxPxH mm	code	
315x315x150	15470001	1



1612 CE

Memory protector (12V and 24V)

- Saves configuration and stored data of electronic vehicle accessories when the power is temporarily interrupted

kg	code	
225	16120002	1



1612 B CE

Instrument for protecting the central power (12V)

- Protects electronic units from tension peaks which can occur during welding operations
- ON/OFF led signal

kg	code	
115	16120004	1



1613 CE

Portable start booster for cars 12 V/1800 A

- It can be used as emergency starter as battery charger or as an additional power source for vehicles (to save the memories) and for electrical 12 V devices
- Supplied with charger for power grid and cigarette lighters

characteristics

Starting current	1800 A
Power supply	Power grid 220 V and cigarette lighters 12 V
Battery	Hermetic lead (AGM)
Clamps	400 A (6 wires Copper cable)
Protection	Automatic reset breaker
Charge check	Button with leds

kg	code	
10	16130001	1



1613/1 CE

Engine start booster 24 V/2200 A

- It can be used as emergency starter as battery charger or as an additional power source for vehicles (to save the memories) and for electrical 24 V devices
- Supplied with charger for power grid

characteristics

Starting current	2200 A
Power supply	Power grid 220 V
Battery	2 Hermetic lead (AGM)
Clamps	400 A (6 wires Copper cable)
Charge check	Button with leds

kg	code	
19	16130004	1

FIAT Group homologation (cod. TS1121)



1650 CE

Infrared thermometer

- For measuring the temperature of different vehicle components: air conditioning, brake disks, tyres, engine
- Laser pointer
- Data hold and automatic power-off
- Conformity to directive EMC 89/336/CEE and to the norm EN 60825-1
- Supplied in nylon bag

characteristics

Measuring range (°C/°F)	-50°C +538°C, -58°F +1000°F
Resolution	-50°C 200°C: 0,1°C, 201°C 538°C: 1°C
Laser pointer	output <1mW
Emissivity	0,95 fix
Optical report (D:S)	8:1 mm c.a.
Display	3 1/2 LCD 1999 dot backlight
Power supply	Battery 9V

kg	code	
180	16500001	1



1710

Fuel pressure tester

- Tests multi-point fuel injectors
- Measures: petrol pump pressure, system pressure, residual pressure and checking pressure regulator
- Supplied in plastic case with 26 adapters and couplers

LxPxH mm	bar	kg	code	
480x340x130	0÷10	4,6	17100080	1



1710 M

Single-point fuel injection pressure gauge

- For a more accurate control of single-point injectors
- Supplied with adaptor

bar	code	
0÷2	17100020	1



1870

Oil pressure tester

- Quick coupler connection
- Supplied in plastic case complete with adaptors, seals and fittings

LxPxH mm	bar	kg	code	
360x340x130	0÷8	2,1	18700080	1



1881 S1

Universal kit for disassembling and assembling pulleys of alternators

- Supplied in plastic box

pcs	description	item/size
1	Key XZM/M10	1881 A/M10
1	Long bit TORX/T50	1881 B/M10
1	Long bit TORX/T50	1881 C/T50
1	Bit-holder socket	1881 D
1	Socket Z33	1881 E
1	Socket	1881 F
1	Tool for alternator disassembling	1881/1

LxPxH mm	kg	code	
225x170x45	1	18810081	1



1881/1

Tool for disassembling and assembling alternators

- To disassemble and assemble the alternators mounted on the new FIAT Grande Punto and Cromia

thread profile XZM	z	code	
M8	31	18810005	1



1950 A CE

Pair of jack stands 2,2 t

- Adjustable in 6 positions
- Blocking pin with chain
- CE certificates

characteristics	
Capacity	2,2 t
Max height	492 mm
Min height	295 mm

LxPxH mm	code	
300x230x300	19501000	1



1951 A CE

Bottle jacks

- Screw displacement
- Overcharge valve
- EC certificates

	1951 A2 2 T	1951 A6 6 T	1951 A12 12 T	1951 A20 20 T
Capacity (kg)	2000	6000	12000	20000
Min height (mm)	183	219	240	242
Max height (mm)	398	427	473	475
Base length (mm)	95	115	134	159
Base width (mm)	95	102	134	150
Screw displacement (mm)	50	75	80	80
Hydraulic displacement (mm)	115	133	153	153
Weight (kg)	2,6	5,5	8,9	13,5

	LxPxH mm	code	
2 (2t)	95x95x183	19510001	1
6 (6t)	115x102x219	19510002	1
12 (12t)	134x134x240	19510003	1
20 (20t)	159x150x242	19510004	1



2200 BK

Teflon protection support

- Suitable for use in combination with the service jack USAG 2520
- Protects alloy chassis from damages

LxPxH mm	kg	code	
320x170x70	4,4	Q22000022	1



2500 CE

Hydraulic service jack 1,5 t - high lift

- Compliance to the Machines Regulation 2006/42/CE
- Safety air valve to prevent falls out of control
- Model with 7 wheels: central wheel for great manoeuvrability

characteristics

Capacity	1,5 t
Max height	775 mm
Min height	110 mm
Saddle pad	Polyurethane covered
Wheels	Polyamide

LxPxH mm	kg	code	
1310x435x165	61,5	25000001	1



2510 CE

Hydraulic service jack 2t - 4 wheels

- Compliance to the Machines Regulation 2006/42/CE
- Safety air valve to prevent falls out of control

characteristics

Capacity	2 t
Max height	465 mm
Min height	75 mm
Saddle pad	Polyurethane covered
Wheels	Polyamide

LxPxH mm	kg	code	
880x260x135	32	25100001	1



2510 A CE

Hydraulic service jack 2t - 6 wheels

- Compliance to the Machines Regulation 2006/42/CE
- Safety air valve to prevent falls out of control
- Model with 6 wheels: exceptional manoeuvrability also on gratings or uneven ground

characteristics

Capacity	2 t
Max height	465 mm
Min height	75 mm
Saddle pad	Polyurethane covered
Wheels	Polyamide

LxPxH mm	kg	code	
940x330x135	33	25100002	1



2510 B CE

Hydraulic service jack 2t - MECHANICAL PAD STOP

- Compliance to the Machines Regulation 2006/42/CE
- Safety air valve to prevent falls out of control
- Mechanical pad stop at 290 mm lifting height

characteristics

Capacity	2 t
Max height	465 mm
Min height	75 mm
Saddle pad	Polyurethane covered
Wheels	Polyamide

LxPxH mm	kg	code	
650x270x135	32,5	25100003	1



2520 CE

Hydraulic service jack 2t - EXTRA-FLAT

- Compliance to the Machines Regulation 2006/42/CE
- Safety air valve to prevent falls out of control
- Model with 5 wheels: central wheel for great manoeuvrability

characteristics

Capacity	2 t
Max height	520 mm
Min height	48 mm (without pad)
Min height	65 mm (with pad)
Saddle pad	Polyurethane covered
Wheels	2 Polyamide / 2 Aluminium

LxPxH mm	kg	code	
920x260x135	43	25200001	1



2530 CE

Hydraulic service jack 3t - COMMERCIAL VEHICLES

- Compliance to the Machines Regulation 2006/42/CE
- Safety air valve to prevent falls out of control

characteristics

Capacity	3 t
Max height	525 mm
Min height	140 mm
Saddle pad	Polyurethane covered
Wheels	Polyamide

LxPxH mm	kg	code	
1150x260x185	50	25300001	1



2800 N/S11

Tool assortment for brake pistons

- Moves disk brake pistons back by pushing and turning operations, with our without hand brake
- Pressure on pistons released from the angle of rotation
- Clock and counterclockwise back screw
- Supplied in plastic case

LxPxH mm	kg	code	
340x240x45	1,6	28000082	1



2847/1 CE

Clutch and brake bleeder

- For changing, filling and bleeding the circuits of brakes and hydraulic clutch on industrial vehicles
- Portable and "self governing"

characteristics

Operating liquid system	Peristaltic pump (no direct pump/liquid contact, no air pressure on liquid)
Power supply	12 V (battery terminals)
Tank capacity	5 liters (visible level)
Pressure limiting device	2 bar (ABS systems)
Spiral hose	4 m (flexible)
Power cable	4 m
Accessories case	1 universal cap 2847 N4, 1 multi-diameter cap 44-45-46mm (2847 N11), reutilization tank oil

kg	code	
16 (with full tank)	28470082	1



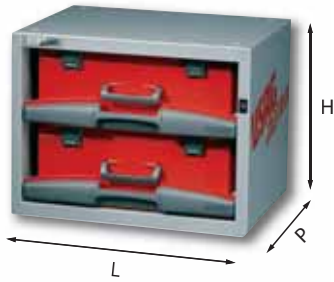
2847 N4

Universal plug (for 2847/1)

gr	code	
450	Q28470098	1

FIAT Group homologation (cod. TS1121)



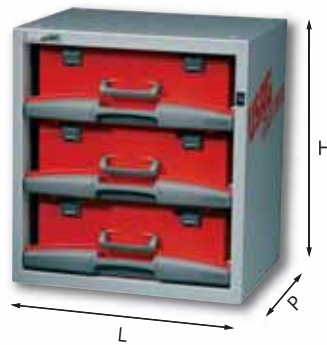


5000 A2

Composition with removable boxes

- Drawer chest with 2 boxes 5000 H2
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	17	50000001	1

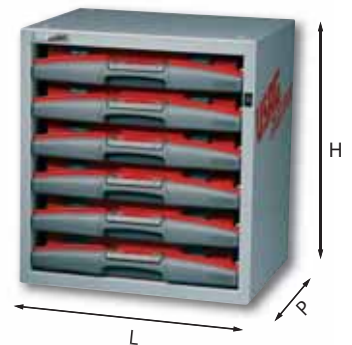


5000 B3

Composition with removable boxes

- Drawer chest with 3 boxes 5000 H2
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x542	25	50000022	1

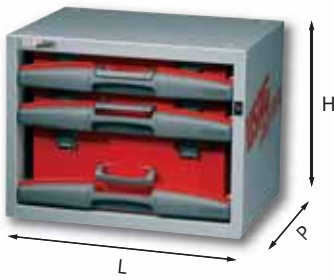


5000 B6

Composition with removable boxes

- Drawer chest with 6 boxes 5000 H1
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x542	32	50000025	1

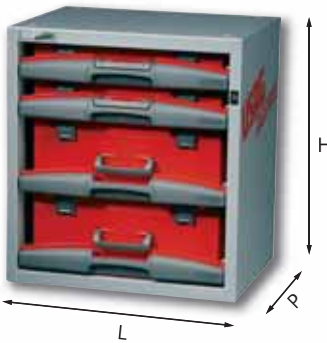


5000 A3

Composition with removable boxes

- Drawer chest with 2 boxes 5000 H1 and 1 box 5000 H2
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	19	50000002	1

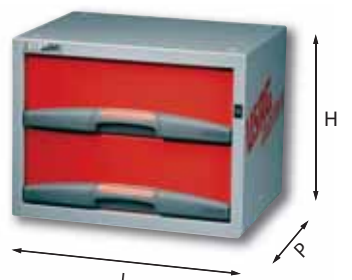


5000 B4

Composition with removable boxes

- Drawer chest with 2 boxes 5000 H1 and 2 boxes 5000 H2
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x542	28	50000023	1

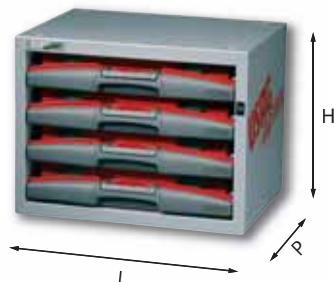


5000 C2

Composition with drawers

- Drawer chest with 2 drawers H 155 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	13	50000041	1



5000 A4

Composition with removable boxes

- Drawer chest with 4 boxes 5000 H1
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	22	50000003	1

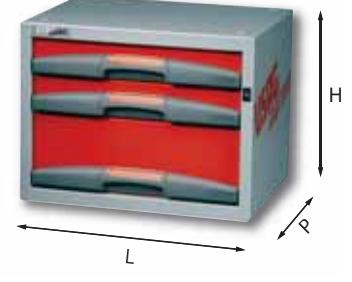


5000 B5

Composition with removable boxes

- Drawer chest with 4 boxes 5000 H1 and 1 box 5000 H2
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x542	30	50000024	1

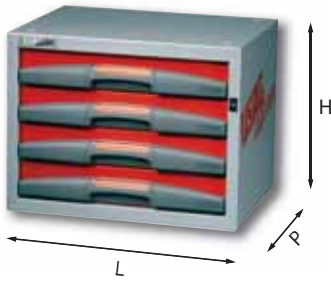


5000 C3

Composition with drawers

- Drawer chest with 2 drawers H 75 mm and 1 drawer H 155 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	14	50000042	1



5000 C4

Composition with drawers

- Drawer chest with 4 drawers H 75 mm
- Supplied with fixing bracket 5002 S4N


LxPxH mm	kg	code	
495x375x382	15	50000043	1

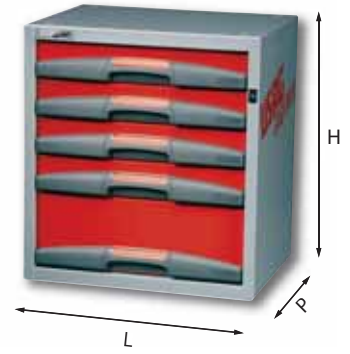


5000 CL4N

Composition with long drawers

- Drawer chest with 4 drawers H 75 mm
- Supplied with fixing bracket 5002 S4N


LxPxH mm	kg	code	
990x375x382	41	50000086	1

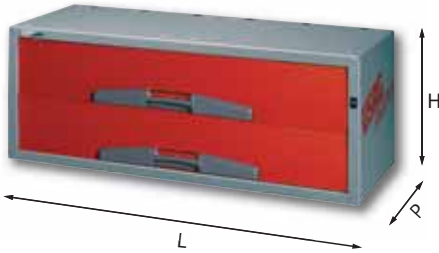


5000 D5

Composition with drawers

- Drawer chest with 4 drawers H 75 mm and 1 drawer H 155 mm
- Supplied with fixing bracket 5002 S4N


LxPxH mm	kg	code	
495x375x542	22	50000064	1

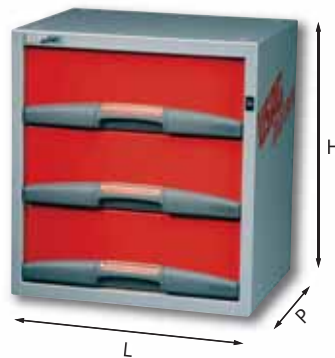


5000 CL2N

Composition with long drawers

- Drawer chest with 2 drawers H 155 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
990x375x382	35	50000084	1

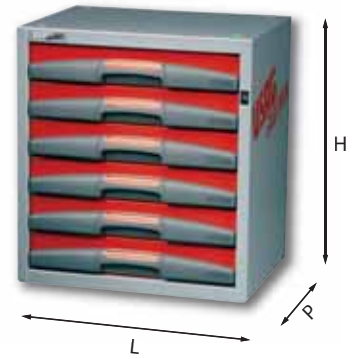


5000 D3

Composition with drawers

- Drawer chest with 3 drawers H 155 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x542	19	50000062	1

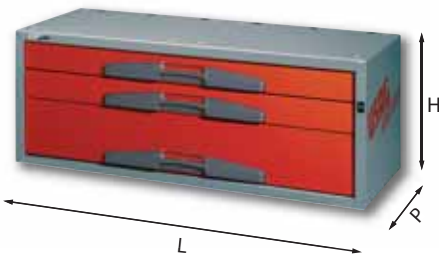


5000 D6

Composition with drawers

- Drawer chest with 6 drawers H 75 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x542	23	50000065	1

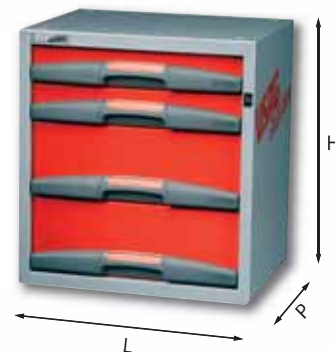


5000 CL3N

Composition with long drawers

- Drawer chest with 2 drawers H 75 mm and 1 drawer H 155 mm
- Supplied with fixing bracket 5002 S4N


LxPxH mm	kg	code	
990x375x382	38	50000085	1

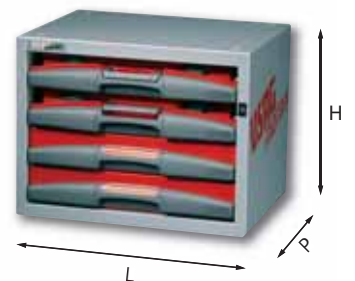


5000 D4

Composition with drawers

- Drawer chest with 2 drawers H 75 mm and 2 drawers H 155 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x542	20	50000063	1

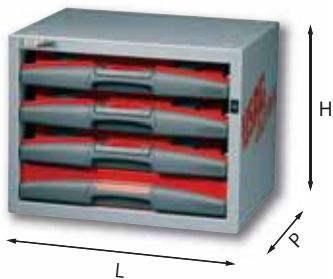


5000 E1

Composition with boxes and drawers

- Drawer chest with 2 boxes 5000 H1 and 2 drawers H 75 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	19,6	50000101	1

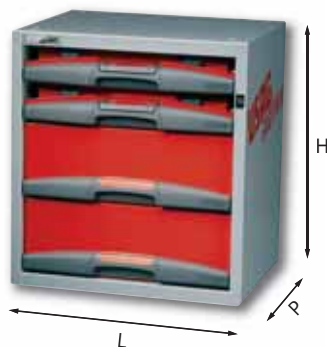


5000 E2

Composition with boxes and drawers

- Drawer chest with 3 boxes 5000 H1 and 1 drawer H 75 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	21,3	50000102	1



5000 F1

Composition with boxes and drawers

- Drawer chest with 2 boxes 5000 H1 and 2 drawers H 155 mm
- Supplied with fixing bracket 5002 S4N


LxPxH mm	kg	code	
495x375x542	25,4	50000151	1

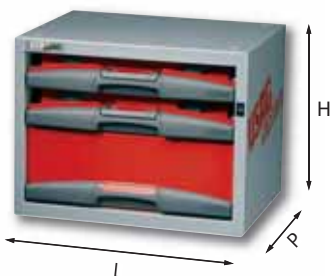


5000 H1

Removable tool box

- Tool box arranged to store the plastic trays 5003/8H÷20H-5003/2A÷2D
- Clip lock and handle for transport
- Maximum load 5 Kg

LxPxH mm	kg	code	
400x320x59	2	50000301	1

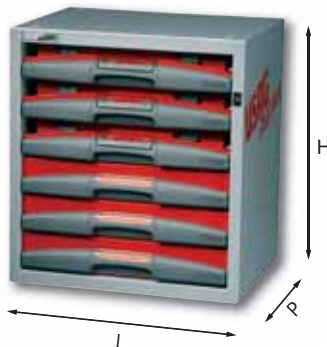


5000 E3

Composition with boxes and drawers

- Drawer chest with 2 boxes 5000 H1 and 1 drawer H 155 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	18,3	50000103	1



5000 F2

Composition with boxes and drawers

- Drawer chest with 3 boxes 5000 H1 and 3 drawers H 75 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x542	28,8	50000152	1

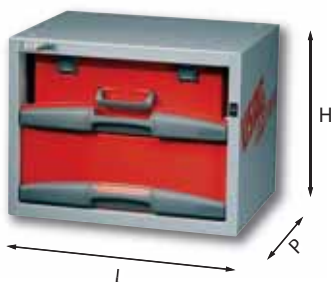


5000 H2

Removable tool box

- Tool box with clip lock and handle for transport
- Maximum load 12 Kg

LxPxH mm	kg	code	
400x320x135	3	50000302	1

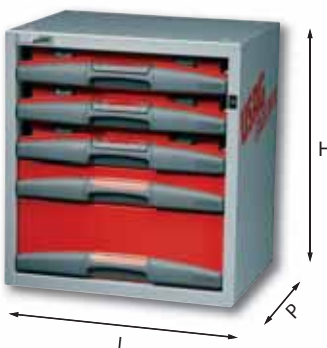


5000 E5

Composition with boxes and drawers

- Drawer chest with 1 box 5000 H2 and 1 drawer H 155 mm
- Supplied with fixing bracket 5002 S4N

LxPxH mm	kg	code	
495x375x382	16,3	50000105	1

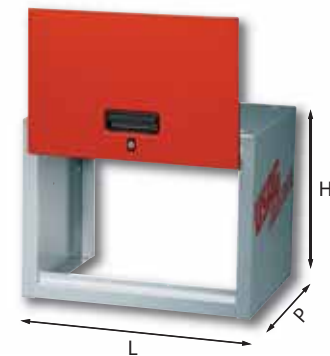


5000 F3

Composition with boxes and drawers

- Drawer chest with 3 boxes 5000 H1, 1 drawer H 75 mm and 1 drawer H 155 mm
- Supplied with fixing bracket 5002 S4N


LxPxH mm	kg	code	
495x375x542	28	50000153	1



5002 A1N

Base

- Open model for wheel-side
- Up-and-over door with security locking
- Inside available height 355 mm

LxPxH mm	kg	code	
495x375x382	10	50020003	1

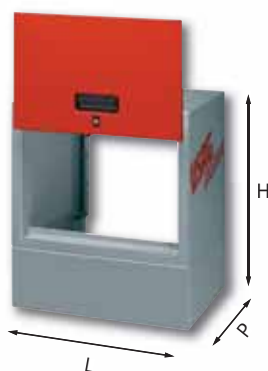


5002 A2N

Base

- Open model for wheel-side
- Up-and-over door with security locking
- Inside available height 355 mm

LxPxH mm	kg	code	
990x375x382	15,2	50020004	1

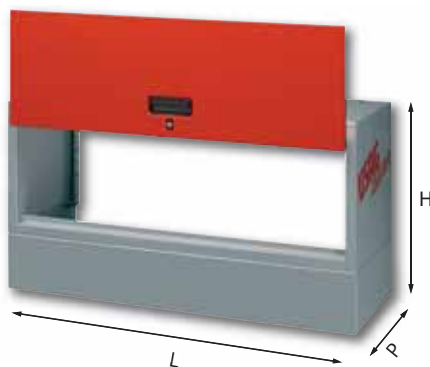


5002 B1N

Base

- Open model for wheel-side
- Up-and-over door with security locking
- Inside available height 510 mm

LxPxH mm	kg	code	
495x375x542	13	50020008	1

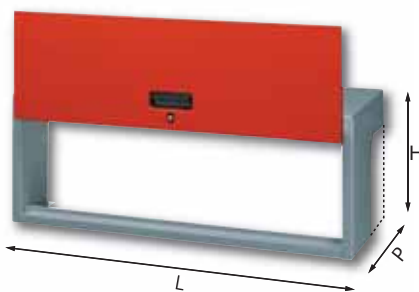


5002 B2N

Base

- Open model for wheel-side
- Up-and-over door with security locking
- Inside available height 510 mm

LxPxH mm	kg	code	
990x375x542	18	50020009	1

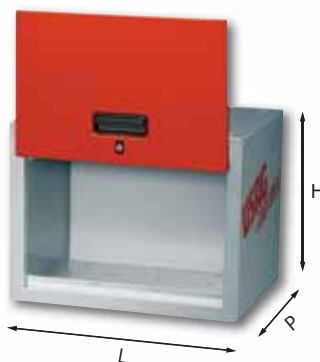


5002 C2N

Base

- Open model for SHAPED wheel-side
- Up-and-over door and security locking
- Inside available height 355 mm

LxPxH mm	kg	code	
990x375x382	15	50020012	1



5002 D1N

Base

- Closed model
- Up-and-over door with security locking
- Inside available height 355 mm

LxPxH mm	kg	code	
495x375x382	14	50020019	1



5002 D2N

Base

- Closed model
- Up-and-over door and security locking
- Inside available height 355 mm

LxPxH mm	kg	code	
990x375x382	20	50020020	1

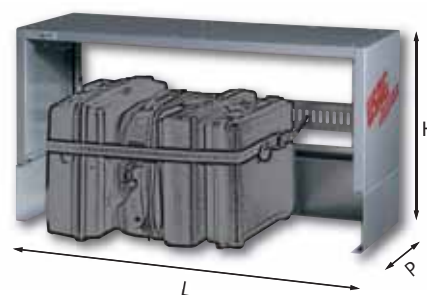


5002 D3N

Base

- Closed model
- Up-and-over door with security locking
- Inside available height 355 mm

LxPxH mm	kg	code	
1485x375x382	30	50020021	1

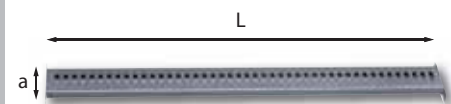


5002 E2

Case holder base

- Belt-type case holder
- Belt in syntetic anti-graze material
- Inside available dimensions L920xP340xH510 mm

LxPxH mm	kg	code	
990x375x542	19,5	50020024	1



5002 EB

Case bar

- Spare bar for case holder 5002 E2
- Can be used also with uprights 5003 MD-ME-MF
- Steel casing

L mm	a mm	kg	code	
930	130	1,8	Q50020035	1

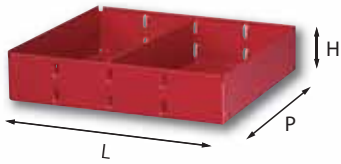


5002 EC

Belt

- Spare belt in syntetic anti-graze material
- For case holder 5002 E2
- Blocking clamp and hooks in steel
- ATTENTION: NOT SUITABLE FOR LIFTING

L mm	kg	code	
2130	400	Q50020036	1

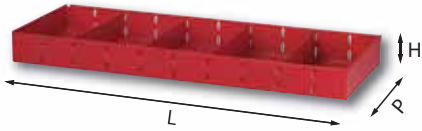


5002 R1

Shelf

- Model for 1 module with 2 dividers
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
495x375x90	4	50020030	1



5002 R2

Shelf

- Model for 2 modules with 4 dividers
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
990x375x90	8	50020031	1



5002 R3

Shelf

- Model for 3 modules with 6 dividers
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
1485x375x90	11	50020032	1



5002 R10

Shelf

- Extensible shelf for pipe storing

LxPxH mm	kg	code	
1650÷3100x300x90	16	50020035	1



5002 S

Multilayer top

n°	LxPxH mm	code	
7L	990x375x30	50020054	1
7L1	1485x375x30	50020055	1



5002 S1

Holder

- Bottle-holder (2 pcs)
- Sheet steel casing
- Nylon belt with ratchet device

kg	code	
2	50020045	1

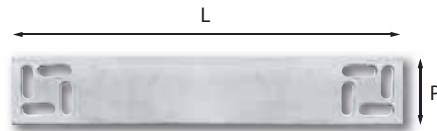


5002 S2

Holder

- Cable-holder
- Completely in plastic material

LxPxH mm	gr	code	
260x160x150	250	50020046	1



5002 S4N

Fixing bracket

L mm	P mm	kg	code	
250	45	146	50020047	1



5002 S9

Inclined plan

- Sheet steel casing
- Security locking

LxPxH mm	kg	code	
495x375x250	7	50020060	1



5002 S10

Wheel set for tool chests (2 pcs)

- Composed by 2 fixing brackets, 4 swivelling wheels, 2 of which with brake
- Rubber wheels Ø 80mm

kg	code	
2	50020061	1



5002 SA2

Document holder

LxPxH mm	kg	code	
360x50x262	0,8	50020064	1



5002 SA4

Roll holder with paper cutter

L mm	H mm	kg	code	
360	265	1,1	50020066	1



5002 SA5

Spray-holder

LxPxH mm	kg	code	
360x70x135	0,6	50020067	1

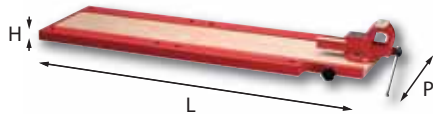


5002 ZA2

Base

- Open model for wheel-side and vice assembly
- Inside available height 500 mm

LxPxH mm	kg	code	img
990x375x502	12	50020070	1

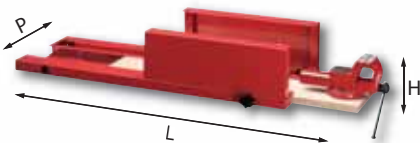


5002 ZM2

Worktop with vice

- Sheet steel structure
- Multilayer wooden plan with vice 498 B100

LxPxH mm	kg	code	img
1310x375x40	23	50020074	1



5002 ZM3

Worktop with vice

- Sheet steel structure
- Sliding multilayer wooden plan with vice 498 B100

LxPxH mm	kg	code	img
990x375x200	20	50020075	1



5002 ZM4

Worktop with vice

- Sheet steel structure
- Multilayer wooden plan with vice 498 B100
- To be used in combination with base 5002 ZA2

LxPxH mm	kg	code	img
990x375x40	18	50020076	1

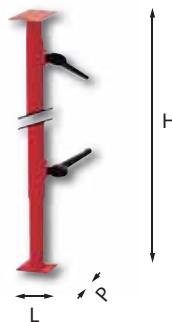


5002 Z1

Spacer

- To level the module heights on vice sides
- Sheet steel casing

LxPxH mm	kg	code	img
495x375x40	3	50020081	1

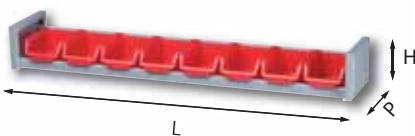


5002 Z2

Vice holder

- Sheet steel tubular casing
- Max opening: 1080 mm

LxPxH mm	kg	code	img
70x110x710	4	50020082	1

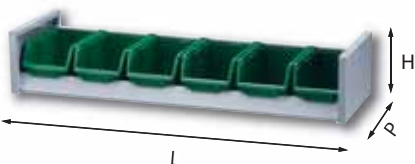


5003 A1

Tray-holder

- Model to fit 8 plastic trays 5003/1A

LxPxH mm	kg	code	img
990x199x128	4	50030001	1

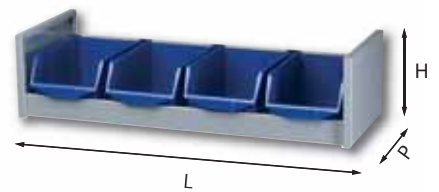


5003 A2

Tray-holder

- Model to fit 6 plastic trays 5003/1B

LxPxH mm	kg	code	img
990x320x188	7	50030002	1

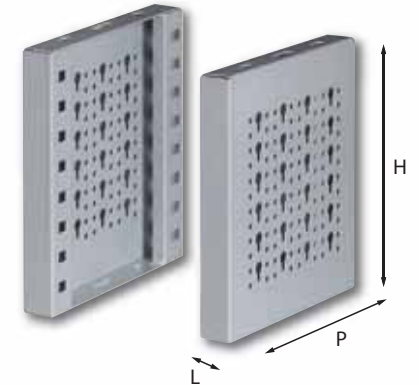


5003 A3

Tray-holder

- Model to fit 4 plastic trays 5003/1C

LxPxH mm	kg	code	img
990x375x248	9	50030003	1

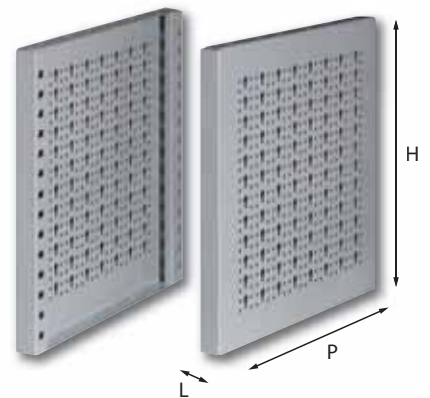


5003 MD

Uprights 200 mm

- Two uprights for shelves 5003 RA-RB-RC-RIB-RIC
- Side holes for hooks 5003 SG and 552-557
- Can be put on vehicle plans or on modules

n°	LxPxH mm	code	img
1	30x200x222	50030046	1
2	30x200x382	50030047	1
3	30x200x542	50030048	1

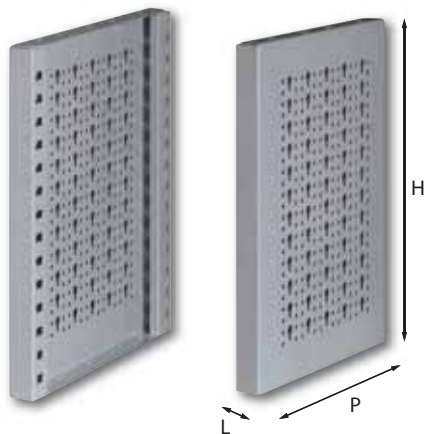


5003 ME

Uprights 375 mm

- Two uprights for shelves 5003 RC-RIC
- Side holes for hooks 5003 SG and 552-557
- Can be put on vehicle plans or on modules

n°	LxPxH mm	code	img
1	30x375x222	50030049	1
2	30x375x382	50030050	1
3	30x375x542	50030051	1

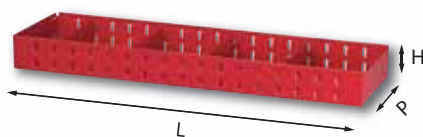


5003 MF

Uprights 275 mm

- Two uprights for shelves 5003 RB-RC-RIB-RIC
- Side holes for hooks 5003 SG and 552-557
- Can be put on vehicle plans or on modules

n°	LxPxH mm	code	
1	30x275x222	50030052	1
2	30x275x382	50030053	1
3	30x275x542	50030054	1

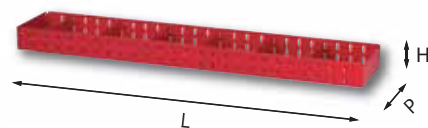


5003 RA1

Shelf

- Shelf with 4 removable dividers
- To combine with the uprights of line 5003 MD
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
930x200x90	5,1	50030024	1

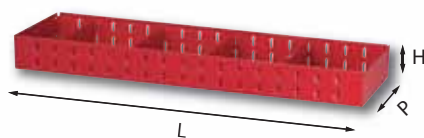


5003 RA2

Shelf

- Shelf with 6 removable dividers
- To combine with the uprights of line 5003 MD
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
1425x200x90	7,4	50030025	1

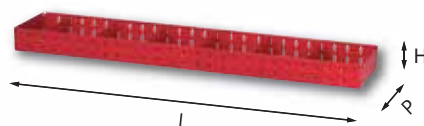


5003 RB1

Shelf

- Shelf with 4 removable dividers
- To combine with the uprights of line 5003 MF
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
930x275x90	6,5	50030026	1



5003 RB2

Shelf

- Shelf with 6 removable dividers
- To combine with the uprights of line 5003 MF
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
1425x275x90	9	50030027	1



5003 RC1

Shelf

- Shelf with 4 removable dividers
- To combine with the uprights of line 5003 ME
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
930x375x90	7	50030031	1



5003 RC2

Shelf

- Shelf with 6 removable dividers
- To combine with the uprights of line 5003 ME
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
1425x375x90	10,5	50030032	1

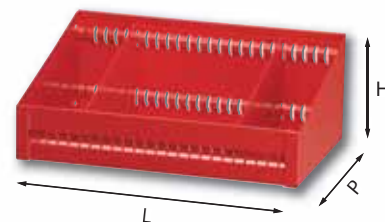


5003 RC3

Shelf

- Shelf with 5 removable dividers
- To combine with the uprights of line 5003 ME
- Supplied with antislip rubber mat
- For shelving only - cannot be used with modules

LxPxH mm	kg	code	
1177,5x375x90	11	50030033	1

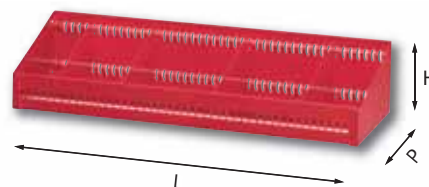


5003 RIB1

Shelf

- Inclined shelf with 2 removable dividers
- To combine with the uprights of line 5003 MF
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
435x275x85-175	3	50030036	1

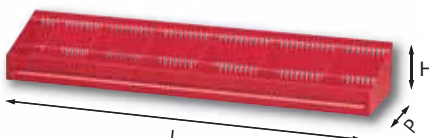


5003 RIB2

Shelf

- Inclined shelf with 4 removable dividers
- To combine with the uprights of line 5003 MF
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
930x275x85-175	6,5	50030037	1

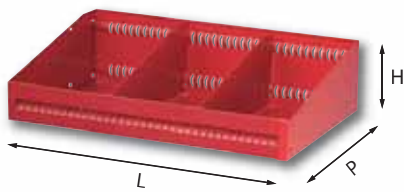


5003 RIB3

Shelf

- Inclined shelf with 6 removable dividers
- To combine with the uprights of line 5003 MF
- Supplied with antislip rubber mat

LxPxH mm	kg	code	
1425x275x85-175	9	50030038	1

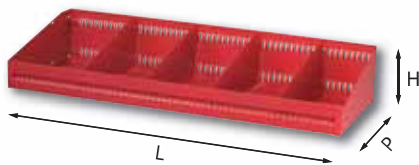


5003 RIC1

Shelf

- Inclined shelf with 2 removable dividers
- To combine with the uprights of line 5003 ME
- Supplied with antislip rubber mat

LxPxH mm	Kg	code	
435x375x85-175	3,5	50030041	1

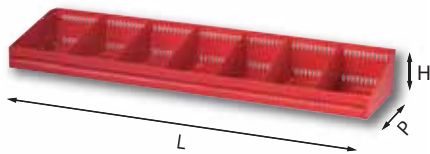


5003 RIC2

Shelf

- Inclined shelf with 4 removable dividers
- To combine with the uprights of line 5003 ME
- Supplied with antislip rubber mat

LxPxH mm	Kg	code	
930x375x85-175	7	50030042	1

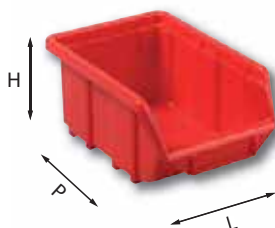


5003 RIC3

Shelf

- Inclined shelf with 6 removable dividers
- To combine with the uprights of line 5003 ME
- Supplied with antislip rubber mat

LxPxH mm	Kg	code	
1425x375x85-175	10,5	50030043	1



5003/1A

Plastic tray

- Plastic tray for 5003 A1

LxPxH mm	gr	code	
115x165x75	86	Q50030001	1

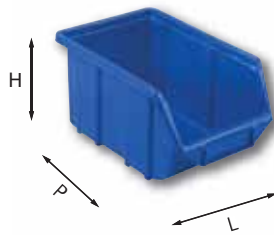


5003/1B

Plastic tray

- Plastic tray for 5003 A2

LxPxH mm	gr	code	
160x230x125	180	Q50030002	1

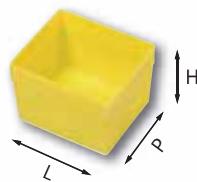


5003/1C

Plastic tray

- Plastic tray for 5003 A3

LxPxH mm	gr	code	
220x340x165	412	Q50030003	1

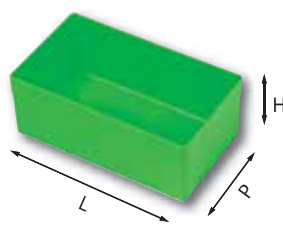


5003/2A

Plastic tray

- Plastic tray for tool boxes 5000 H1

LxPxH mm	gr	code	
64x74x51	22	Q50030010	1

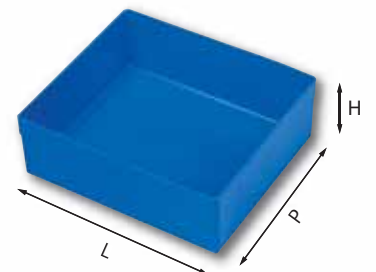


5003/2B

Plastic tray

- Plastic tray for tool boxes 5000 H1

LxPxH mm	gr	code	
128x74x51	38	Q50030011	1

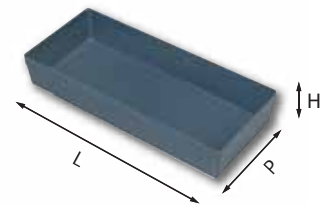


5003/2C

Plastic tray

- Plastic tray for tool boxes 5000 H1

LxPxH mm	gr	code	
148x128x51	70	Q50030012	1

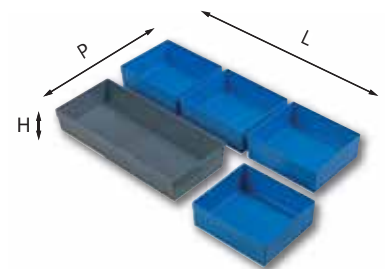


5003/2D

Plastic tray

- For tool boxes 5000 H1

LxPxH mm	gr	code	
296x128x51	118	Q50030013	1

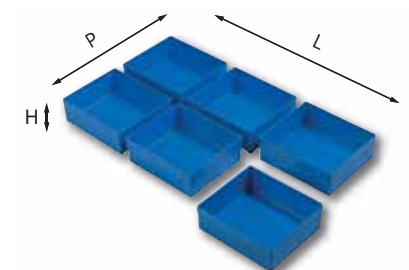


5003 HA 5

Assortment of plastic trays

- For tool boxes 5000 H1
- Composed by 4 plastic trays 5003/2C and 1 plastic tray 5003/2D

LxPxH mm	gr	code	
384x296x51	398	Q50030086	1

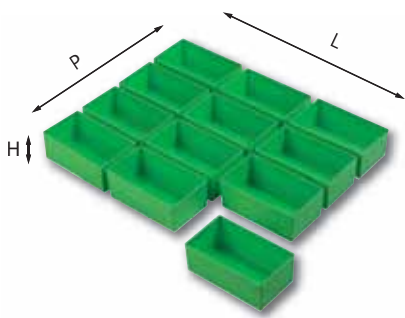


5003 HA 6

Assortment of plastic trays

- For tool boxes 5000 H1
- Composed by 6 plastic trays 5003/2C

LxPxH mm	gr	code	
384x296x51	420	Q50030087	1

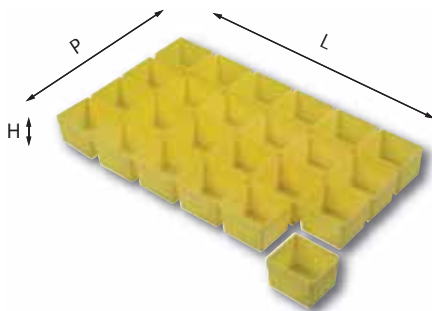


5003 HA12

Assortment of plastic trays

- For tool boxes 5000 H1
- Composed by 12 plastic trays 5003/2B

LxPxH mm	á gr	code	
384x296x51	456	Q50030089	1

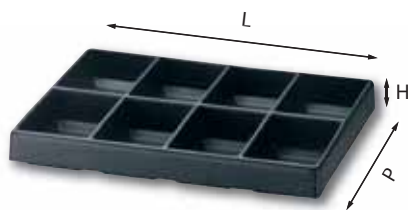


5003 HA24

Assortment of plastic trays

- For tool boxes 5000 H1
- Composed by 24 plastic trays 5003/2A

LxPxH mm	á gr	code	
384x296x51	528	Q50030091	1



5003/8H

Plastic tray

- For tool boxes 5000 H1
- Model with 8 compartments
- Not suitable for drawer chests 5000 CLN

LxPxH mm	á gr	code	
380x295x50	200	Q50030025	1

5003/8

Plastic tray

- For drawers
- Model with 8 compartments 5000 CLN
- Not suitable for drawer chests 5000 CLN

LxPxH mm	á gr	code	
400x315x50	260	Q50030026	1



5003/12H

Plastic tray

- For tool boxes 5000 H1
- Model with 12 compartments
- Not suitable for drawer chests 5000 CLN

LxPxH mm	á gr	code	
380x295x50	200	Q50030029	1

5003/12

Plastic tray

- For drawers
- Model with 12 compartments
- Not suitable for drawer chests 5000 CLN

LxPxH mm	á gr	code	
400x315x50	260	Q50030030	1



5003/13H

Plastic tray

- For tool boxes 5000 H1
- Model with 13 compartments
- Not suitable for drawer chests 5000 CLN

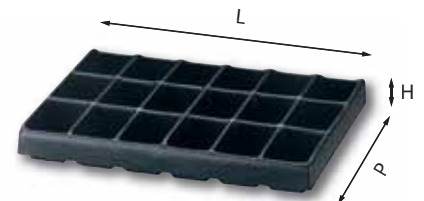
LxPxH mm	á gr	code	
380x295x50	200	Q50030031	1

5003/13

Plastic tray

- For drawers
- Model with 13 compartments
- Not suitable for drawer chests 5000 CLN

LxPxH mm	á gr	code	
400x315x50	260	Q50030032	1



5003/18H

Plastic tray

- For tool boxes 5000 H1
- Model with 18 compartments
- Not suitable for drawer chests 5000 CLN

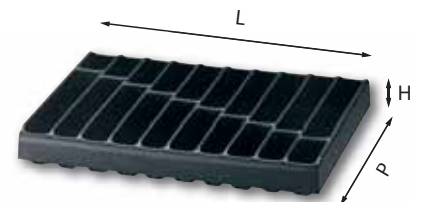
LxPxH mm	á gr	code	
380x295x50	200	Q50030037	1

5003/18

Plastic tray

- For drawers
- Model with 18 compartments
- Not suitable for drawer chests 5000 CLN

LxPxH mm	á gr	code	
400x315x50	260	Q50030038	1



5003/20H

Plastic tray

- For tool boxes 5000 H1
- Model with 20 compartments
- Not suitable for drawer chests 5000 CLN

LxPxH mm	á gr	code	
380x295x50	200	Q50030041	1

5003/20

Plastic tray

- For drawers
- Model with 20 compartments
- Not suitable for drawer chests 5000 CLN

LxPxH mm	á gr	code	
400x315x50	260	Q50030042	1



5003/285A

Plastic tray for drawers (21 pcs.)

pcs	description/size	item
9	Set of nine keys/1,5÷10	280 LTS/S9
12	Combination wrenches/ 7-8-9-10-11-12-13-14-17-19-22-24	285

L mm	P mm	kg	code	img
400	315	1,8	50031046	1

5003/285AV

Empty plastic tray for drawers

L mm	P mm	code	img
400	315	Q50030046	1



5003/294

Plastic tray for drawers (6 pcs.)

pcs	description	item/size
1	Scissors for electricians	207 S
1	Utility knife with snap-off blades	220 B
1	Adjustable wrench	294 A/250
1	Mallet	376/35
1	Hammer for mechanics	382/500
1	Tape rule with ABS casing	981 G/3

L mm	P mm	kg	code	img
400	315	2	50031048	1

5003/294V

Empty plastic tray for drawers

L mm	P mm	code	img
400	315	Q50030048	1



5003/613C

Plastic tray for drawers (22 pcs.)

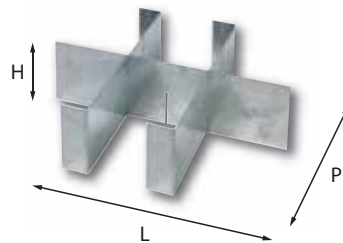
pcs	description/size	item
17	Hexagonal sockets/ 10-11-12-13-14-15-16-17-18-19-20- 21-22-24-27-30-32	235 1/2" EN
2	Extensions/125-250	236 1/2"
1	Reversible ratchet	237 A 1/2"
1	T-handle with sliding square drive	240 1/2" N
1	Universal joint	241 1/2"

L mm	P mm	kg	code	img
400	315	3,5	50031056	1

5003/613CV

Empty plastic tray for drawers

L mm	P mm	code	img
400	315	Q50030056	1



5003 S60

Dividers

- Zinc plated sheet steel dividers (3 pcs)
- For drawers with height 75 mm
- Not suitable for drawer chests 5000 CLN

LxPxH mm	kg	code	img
400x317x60	0,8	Q50030080	1

5003 S120

Dividers

- Zinc plated sheet steel dividers (3 pcs)
- For drawers with height 155 mm
- Not suitable for drawer chests 5000 CLN

LxPxH mm	kg	code	img
400x317x120	1,6	Q50030081	1



5003 SG2

Plastic hooks for uprights 5003 MD - MF - ME

- Straight hook
- Ø 5 mm

L mm	kg	code	img
30	3	50030062	50



5003 SG3

Plastic hooks for uprights 5003 MD - MF - ME

- Bent hook
- Ø 5 mm

L mm	kg	code	img
20	4	50030063	50



5003 SG4

Plastic hooks for uprights 5003 MD - MF - ME

- Straight hook
- Ø 5 mm

L mm	kg	code	img
50	5	50030064	50



5003 SG6

Plastic hooks for uprights 5003 MD - MF - ME

- Ring hook
- Ø inside ring: 14 mm

kg	code	img
4	50030066	50



5005 A/CIT

Phenolic platform

- Made of multilayer Finnish birch (Schauman Wood), with phenolic non-slip surface
- 9 mm thick
- Mat Aluminium edges
- Maximum load 1400 kg/m², evenly distributed
- All platforms are supplied in a SINGLE PIECE up to a length of 3,7 m
- No holes for hooks to keep charge

n°	vehicle model	wheelbase	code	
1	BERLINGO	2693	50050041	1
2	JUMPY OLD	2824	50050042	1
3	JUMPER OLD	2850	50050043	1
4	JUMPER OLD	3200	50050044	1
5	JUMPER OLD	3700	50050045	1
6	JUMPER 2006	3000	50050046	1
7	JUMPER 2006	3450	50050047	1
8	JUMPER 2006	4035	50050048	1
9	JUMPER 2006	4035 XL	50050049	1
10	JUMPY 2007	3000	50050050	1
11	JUMPY 2007	3122	50050051	1
12	NEMO not methane powered	2513	50050052	1

5005 A/FIA

Phenolic platform

n°	vehicle model	wheelbase	code	
1	DOBLO	2583	50050001	1
2	SCUDO OLD	2824	50050002	1
3	SCUDO OLD	3224	50050003	1
4	DUCATO OLD	2850	50050004	1
5	DUCATO OLD	3200	50050005	1
6	DUCATO OLD	3700	50050006	1
7	DOBLO MAXI	2963	50050007	1
8	DUCATO 2006	3000	50050008	1
9	DUCATO 2006	3450	50050009	1
10	DUCATO 2006	4035	50050011	1
11	DUCATO 2006	4035 XL	50050012	1
12	SCUDO 2007	3000	50050013	1
13	SCUDO 2007	3122	50050014	1
14	FIORINO 2008 not methane powered	2513	50050015	1
15	FIORINO methane powered	2513	50050016	1
16	DOBLO 2010	2755	50050017	1
17	DOBLO 2010	3105	50050018	1

5005 A/FOR

Phenolic platform

n°	vehicle model	wheelbase	code	
1	TRANSIT 2000	2933	50050061	1
2	TRANSIT 2000	3300	50050062	1
3	TRANSIT 2000	3750	50050063	1
4	CONNECT	2664	50050064	1
5	CONNECT	2912	50050065	1
6	TRANSIT JUMBO	3750	50050066	1

5005 A/IVE

Phenolic platform

n°	vehicle model	wheelbase	code	
1	NEW DAILY	3000	50050021	1
2	NEW DAILY	3000L	50050022	1
3	NEW DAILY single wheels	3300	50050023	1
4	NEW DAILY twinned wheels	3300	50050024	1
5	NEW DAILY twinned wheels	3950	50050025	1

5005 A/MER

Phenolic platform

n°	vehicle model	wheelbase	code	
3	VITO COMPACT	3200	50050083	1
4	VITO LONG	3200	50050084	1
5	VITO EXTRA LONG	3430	50050085	1

5005 A/NIS

Phenolic platform

n°	vehicle model	wheelbase	code	
1	PRIMASTAR	3098	50050091	1
2	INTERSTAR	3078	50050092	1
3	INTERSTAR	3478	50050093	1
4	INTERSTAR	4078	50050094	1
5	PRIMASTAR	3498	50050095	1

5005 A/OPE

Phenolic platform

n°	vehicle model	wheelbase	code	
1	COMBO 2003	2716	50050101	1
2	VIVARO	3098	50050102	1
3	VIVARO	3498	50050103	1
4	MOVANO	3078	50050104	1
5	MOVANO	3578	50050105	1
6	MOVANO	4078	50050106	1
7	VIVARO	3098 DX-SX	50050107	1

5005 A/PEU

Phenolic platform

n°	vehicle model	wheelbase	code	
1	BOXER OLD	2850	50050121	1
2	BOXER OLD	3200	50050122	1
3	BOXER OLD	3700	50050123	1
4	BOXER OLD	2824	50050124	1
5	PARTNER OLD	2716	50050125	1
6	BOXER 2006	3000	50050126	1
7	BOXER 2006	3450	50050127	1
8	BOXER 2006	4035	50050128	1
9	BOXER 2006	4035 XL	50050129	1
10	EXPERT 2007	3000	50050130	1
11	EXPERT 2007	3122	50050131	1
12	BIPPER not methane powered	2513	50050132	1
13	PARTNER 2008	2728	50050133	1
14	PARTNER 2008	2728 long	50050134	1

5005 A/REN

Phenolic platform

n°	vehicle model	wheelbase	wheel drive	code	
1	KANGOO	2600		50050141	1
2	KANGOO	2600 long		50050142	1
3	NEW TRAFIC	3098		50050143	1
4	NEW TRAFIC	3498		50050144	1
5	MASTER	3078		50050145	1
6	MASTER	3578		50050146	1
7	MASTER	4078		50050147	1
8	KANGOO 2009	2697	no side door	50050148	1
9	KANGOO 2009	2697 long		50050149	1
10	NEW TRAFIC	3098 right-left		50050150	1
11	MASTER 2010	3682	front	50050151	1
15	MASTER 2010	4332	front	50050155	1
18	MASTER 2010	4332	rwd twin	50050158	1

5005 A/VW

Phenolic platform

n°	vehicle model	wheelbase	code	
2	T5	3000	50050162	1
3	T5	3400	50050163	1
6	LT	3000	50050166	1
7	LT	3550	50050167	1
8	LT	4025	50050168	1
9	CADDY after 2004	2682	50050169	1
10	CRAFTER	3250	50050170	1
11	CRAFTER	3665	50050171	1
12	CRAFTER	4325	50050172	1
13	CRAFTER	4325 XL	50050173	1


5005 B/CIT
Internal covering

- Made of multilayer maritime pine (Okumè)
- Average thickness of covering 9 mm
- Platform thickness 10 mm
- Supplied with brackets, screws and assembly instructions

n°	vehicle model	wheel-base	roof	side doors	type	code	
1F FIAN	JUMPER 2006	3000	1662	RIGHT	Sides	50054501	1
2F FIAN	JUMPER 2006	3450	1662	RIGHT	Sides	50054502	1
3F FIAN	JUMPER 2006	3450	1932	RIGHT	Sides	50054503	1
4F FIAN	JUMPER 2006	4035	1932	RIGHT	Sides	50054504	1
5F FIAN	JUMPER 2006	4035	2172	RIGHT	Sides	50054505	1
6F FIAN	JUMPER 2006	4035XL	1932	RIGHT	Sides	50054506	1
7F FIAN	JUMPER 2006	4035XL	2172	RIGHT	Sides	50054507	1

5005 B/FIA
Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
1P PIAN	DOBLO	2583	1305-1550	RIGHT	Platform	50054001	1
1F FIAN	DOBLO	2583	1305-1550	RIGHT	Sides	50054002	1
1K KIT	DOBLO	2583	1305-1550	RIGHT	Complete kit	50054003	1
2P PIAN	DOBLO	2583	1305-1550	without side door	Platform	50054004	1
2F FIAN	DOBLO	2583	1305-1550	without side door	Sides	50054005	1
2K KIT	DOBLO	2583	1305-1550	without side door	Complete kit	50054006	1
3P PIAN	SCUDO OLD	2824	1415	RIGHT	Platform	50054007	1
3F FIAN	SCUDO OLD	2824	1415	RIGHT	Sides	50054008	1
3K KIT	SCUDO OLD	2824	1415	RIGHT	Complete kit	50054009	1
4P PIAN	SCUDO OLD	3224	1415	RIGHT	Platform	50054010	1
4F FIAN	SCUDO OLD	3224	1415	RIGHT	Sides	50054011	1
4K KIT	SCUDO OLD	3224	1415	RIGHT	Complete kit	50054012	1
5P PIAN	DUCATO OLD	2850	1562-1881	RIGHT	Platform	50054013	1
5F FIAN	DUCATO OLD	2850	1562-1881	RIGHT	Sides	50054014	1
5K KIT	DUCATO OLD	2850	1562-1881	RIGHT	Complete kit	50054015	1
6P PIAN	DUCATO OLD	3200	1562-1881-2115	RIGHT	Platform	50054016	1
6F FIAN	DUCATO OLD	3200	1562	RIGHT	Sides	50054017	1
6K KIT	DUCATO OLD	3200	1562	RIGHT	Complete kit	50054018	1
7F FIAN	DUCATO OLD	3200	1881-2115	RIGHT	Sides	50054019	1
7K KIT	DUCATO OLD	3200	1881-2115	RIGHT	Complete kit	50054020	1
8P PIAN	DUCATO OLD	3700	1881-2115	RIGHT	Platform	50054021	1
8F FIAN	DUCATO OLD	3700	1881-2115	RIGHT	Sides	50054022	1
8K KIT	DUCATO OLD	3700	1881-2115	RIGHT	Complete kit	50054023	1
9F FIAN	DUCATO 2006	3000	1662	RIGHT	Sides	50054024	1
10F FIAN	DUCATO 2006	3450	1662	RIGHT	Sides	50054025	1
11F FIAN	DUCATO 2006	3450	1932	RIGHT	Sides	50054026	1
12F FIAN	DUCATO 2006	4035	1932	RIGHT	Sides	50054027	1
13F FIAN	DUCATO 2006	4035XL	1932	RIGHT	Sides	50054028	1
14F FIAN	SCUDO 2007	3000	1449	RIGHT	Sides	50054029	1
15F FIAN	SCUDO 2007	3122	1449	RIGHT	Sides	50054030	1
16F FIAN	DUCATO 2006	4035	2172	RIGHT	Sides	50054031	1
17F FIAN	DUCATO 2006	4035XL	2172	RIGHT	Sides	50054032	1
18P PIAN	DOBLO	2963	1305	RIGHT	Platform	50054033	1
18F FIAN	DOBLO	2963	1305	RIGHT	Sides	50054034	1

5005 B/FOR
Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
2P PIAN	TRANSIT rear w. drive	3300	1645-1885	RIGHT	Platform	50054084	1
2F FIAN	TRANSIT rear w. drive	3300	1645-1885	RIGHT	Sides	50054085	1
2K KIT	TRANSIT rear w. drive	3300	1645-1885	RIGHT	Complete kit	50054086	1
3P PIAN	TRANSIT rear w. drive	3750	1645-1885	RIGHT	Platform	50054087	1
3F FIAN	TRANSIT rear w. drive	3750	1645-1885	RIGHT	Sides	50054088	1
3K KIT	TRANSIT rear w. drive	3750	1645-1885	RIGHT	Complete kit	50054089	1
4P PIAN	TRANSIT front w. drive	2933	1430-1745	RIGHT	Platform	50054090	1
4F FIAN	TRANSIT front w. drive	2933	1430-1745	RIGHT	Sides	50054091	1
4K KIT	TRANSIT front w. drive	2933	1430-1745	RIGHT	Complete kit	50054092	1
5P PIAN	TRANSIT front w. drive	3300	1745-1985	RIGHT	Platform	50054093	1
5F FIAN	TRANSIT front w. drive	3300	1745-1985	RIGHT	Sides	50054094	1
5K KIT	TRANSIT front w. drive	3300	1745-1985	RIGHT	Complete kit	50054095	1
6P PIAN	TRANSIT front w. drive	3750	1745-1985	RIGHT	Platform	50054096	1
6F FIAN	TRANSIT front w. drive	3750	1745-1985	RIGHT	Sides	50054097	1
6K KIT	TRANSIT front w. drive	3750	1745-1985	RIGHT	Complete kit	50054098	1

5005 B/VE
Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
1P PIAN	NEW DAILY single wheels	3000	1545-1900	RIGHT	Platform	50054051	1
1F FIAN	NEW DAILY single wheels	3000	1545-1900	RIGHT	Sides	50054052	1
1K KIT	NEW DAILY single wheels	3000	1545-1900	RIGHT	Complete kit	50054053	1
2P PIAN	NEW DAILY single wheels	3000L	1545-1900	RIGHT	Platform	50054054	1
2F FIAN	NEW DAILY single wheels	3000L	1545-1900	RIGHT	Sides	50054055	1
2K KIT	NEW DAILY single wheels	3000L	1545-1900	RIGHT	Complete kit	50054056	1
3P PIAN	NEW DAILY single wheels	3300	1900-2100	RIGHT	Platform	50054057	1
3F FIAN	NEW DAILY single wheels	3300	1900-2100	RIGHT	Sides	50054058	1
3K KIT	NEW DAILY single wheels	3300	1900-2100	RIGHT	Complete kit	50054059	1
4P PIAN	NEW DAILY twinned wheels	3950	1900-2100	RIGHT	Platform	50054060	1
4F FIAN	NEW DAILY twinned wheels	3950	1900-2100	RIGHT	Sides	50054061	1
4K KIT	NEW DAILY twinned wheels	3950	1900-2100	RIGHT	Complete kit	50054062	1

5005 B/MER
Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
3F FIAN	SPRINTER OLD	3000	1633-1855	RIGHT	Sides	50054127	1
4F FIAN	SPRINTER OLD	3550	1633-1855	RIGHT	Sides	50054128	1
5F FIAN	SPRINTER OLD	4025	1855	RIGHT	Sides	50054129	1
6F FIAN	VITO COMPACT	3200	1353	RIGHT and back doors	Sides	50054130	1
7F FIAN	VITO COMPACT	3200	1353	RIGHT and 2 back doors	Sides	50054131	1
8F FIAN	VITO LONG	3200	1353-1760	RIGHT and back doors	Sides	50054132	1
9F FIAN	VITO LONG	3200	1353-1760	RIGHT and 2 back doors	Sides	50054133	1
10F FIAN	VITO EXTRA LONG	3430	1348	RIGHT and back doors	Sides	50054134	1
11F FIAN	VITO EXTRA LONG	3430	1348	RIGHT and 2 back doors	Sides	50054135	1
12F FIAN	SPRINTER 2006	3250	1650	RIGHT	Sides	50054136	1
13F FIAN	SPRINTER 2006	3665	1650	RIGHT	Sides	50054137	1
14F FIAN	SPRINTER 2006	4325	1940	RIGHT	Sides	50054138	1
15F FIAN	SPRINTER 2006	4325XL	1940	RIGHT	Sides	50054139	1

5005 B/NIS
Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
5P PIAN	PRIMASTAR	3098	1387	RIGHT	Platform	50054163	1
5F FIAN	PRIMASTAR	3098	1387	RIGHT	Sides	50054164	1
5K KIT	PRIMASTAR	3098	1387	RIGHT	Kit	50054165	1
6P PIAN	INTERSTAR	3078	1670	RIGHT	Platform	50054166	1
6F FIAN	INTERSTAR	3078	1670	RIGHT	Sides	50054167	1
6K KIT	INTERSTAR	3078	1670	RIGHT	Kit	50054168	1
7P PIAN	INTERSTAR	3078	1912	RIGHT	Platform	50054169	1
7F FIAN	INTERSTAR	3078	1912	RIGHT	Sides	50054170	1
7K KIT	INTERSTAR	3078	1912	RIGHT	Kit	50054171	1
8P PIAN	INTERSTAR	3578	1912-2146	RIGHT	Platform	50054172	1
8F FIAN	INTERSTAR	3578	1912-2146	RIGHT	Sides	50054173	1
8K KIT	INTERSTAR	3578	1912-2146	RIGHT	Kit	50054174	1
9P PIAN	INTERSTAR	4078	1912-2146	RIGHT	Platform	50054175	1
9F FIAN	INTERSTAR	4078	1912-2146	RIGHT	Sides	50054176	1

5005 B/NIS

Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
9K KIT	INTERSTAR	4078	1912-2146	RIGHT	Kit	50054177	1
10P PIAN	PRIMASTAR	3498	1387	RIGHT	Platform	50054178	1
10F FIAN	PRIMASTAR	3498	1387	RIGHT	Sides	50054179	1
11P PIAN	KUBISTAR	2600	1257	RIGHT	Platform	50054180	1
11F FIAN	KUBISTAR	2600	1257	RIGHT	Sides	50054181	1
12F FIAN	KUBISTAR	2600	1257	without side door	Sides	50054182	1

5005 B/OPE

Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
2P PIAN	VIVARO	3098	1387	without side door	Platform	50054204	1
2F FIAN	VIVARO	3098	1387	without side door	Sides	50054205	1
2K KIT	VIVARO	3098	1387	without side door	Complete kit	50054206	1
3P PIAN	VIVARO	3098	1387	RIGHT	Platform	50054207	1
3F FIAN	VIVARO	3098	1387	RIGHT	Sides	50054208	1
3K KIT	VIVARO	3098	1387	RIGHT	Complete kit	50054209	1
4P PIAN	VIVARO	3098	1387	RIGHT-LEFT	Platform	50054210	1
4F FIAN	VIVARO	3098	1387	RIGHT-LEFT	Sides	50054211	1
4K KIT	VIVARO	3098	1387	RIGHT-LEFT	Complete kit	50054212	1
5P PIAN	VIVARO	3498	1387	without side door	Platform	50054213	1
5F FIAN	VIVARO	3498	1387	without side door	Sides	50054214	1
5K KIT	VIVARO	3498	1387	without side door	Complete kit	50054215	1
6P PIAN	VIVARO	3498	1387	RIGHT	Platform	50054216	1
6F FIAN	VIVARO	3498	1387	RIGHT	Sides	50054217	1
6K KIT	VIVARO	3498	1387	RIGHT	Complete kit	50054218	1
7P PIAN	VIVARO	3498	1387	RIGHT-LEFT	Platform	50054219	1
7F FIAN	VIVARO	3498	1387	RIGHT-LEFT	Sides	50054220	1
7K KIT	VIVARO	3498	1387	RIGHT-LEFT	Complete kit	50054221	1
8P PIAN	MOVANO	3078	1670	RIGHT	Platform	50054222	1
8F FIAN	MOVANO	3078	1670	RIGHT	Sides	50054223	1
8K KIT	MOVANO	3078	1670	RIGHT	Complete kit	50054224	1
9P PIAN	MOVANO	3078	1912	RIGHT	Platform	50054225	1
9F FIAN	MOVANO	3078	1912	RIGHT	Sides	50054226	1
9K KIT	MOVANO	3078	1912	RIGHT	Complete kit	50054227	1
10P PIAN	MOVANO	3478	1912-2146	RIGHT	Platform	50054228	1
10F FIAN	MOVANO	3478	1912-2146	RIGHT	Sides	50054229	1
10K KIT	MOVANO	3478	1912-2146	RIGHT	Complete kit	50054230	1
11P PIAN	MOVANO	4078	1912-2146	RIGHT	Platform	50054231	1
11F FIAN	MOVANO	4078	1912-2146	RIGHT	Sides	50054232	1
11K KIT	MOVANO	4078	1912-2146	RIGHT	Complete kit	50054233	1
12F FIAN	VIVARO	3498	1913	RIGHT	Sides	50054234	1
13F FIAN	VIVARO	3498	1913	without side door	Sides	50054235	1

5005 B/PEU

Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
1P PIAN	BOXER OLD	2850	1562-1881	RIGHT	Platform	50054251	1
1F FIAN	BOXER OLD	2850	1562-1881	RIGHT	Sides	50054252	1
1K KIT	BOXER OLD	2850	1562-1881	RIGHT	Complete kit	50054253	1
2P PIAN	BOXER OLD	3200	1562-1881-2115	RIGHT	Platform	50054254	1
2F FIAN	BOXER OLD	3200	1562-1881	RIGHT	Sides	50054255	1
2K KIT	BOXER OLD	3200	1562-1881	RIGHT	Complete kit	50054256	1
3F FIAN	BOXER OLD	3200	1881-2115	RIGHT	Sides	50054257	1
3K KIT	BOXER OLD	3200	1881-2115	RIGHT	Complete kit	50054258	1
4P PIAN	BOXER OLD	3700	1881-2115	RIGHT	Platform	50054259	1
4F FIAN	BOXER OLD	3700	1881-2115	RIGHT	Sides	50054260	1
4K KIT	BOXER OLD	3700	1881-2115	RIGHT	Complete kit	50054261	1
5P PIAN	EXPERT OLD	2824	1415	RIGHT	Platform	50054262	1
5F FIAN	EXPERT OLD	2824	1415	RIGHT	Sides	50054263	1
6F FIAN	EXPERT OLD	2824	1415	RIGHT	Complete kit	50054264	1
5K KIT	EXPERT OLD	2824	1415	RIGHT-LEFT	Sides	50054265	1
6K KIT	EXPERT OLD	2824	1415	RIGHT-LEFT	Complete kit	50054266	1
7P PIAN	PARTNER OLD	2693	1250	RIGHT	Platform	50054267	1
7K KIT	PARTNER OLD	2693	1250	RIGHT	Complete kit	50054268	1
8K KIT	PARTNER OLD	2693	1250	RIGHT	Complete kit	50054269	1
9F FIAN	BOXER 2006	3000	1662	RIGHT	Sides	50054270	1
10F FIAN	BOXER 2006	3450	1662	RIGHT	Sides	50054271	1
11F FIAN	BOXER 2006	3450	1932	RIGHT	Sides	50054272	1
12F FIAN	BOXER 2006	4035	1932	RIGHT	Sides	50054273	1
13F FIAN	BOXER 2006	4035	2172	RIGHT	Sides	50054274	1
14F FIAN	BOXER 2006	4035XL	1932	RIGHT	Sides	50054275	1
15F FIAN	BOXER 2006	4035XL	2172	RIGHT	Sides	50054276	1
16F FIAN	EXPERT 2007	3000	1449	RIGHT	Sides	50054277	1
17F FIAN	EXPERT 2007	3122	1449	RIGHT	Sides	50054278	1

5005 B/REN

Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
1P PIAN	KANGOO	2600	1257	RIGHT	Platform	50054291	1
1F FIAN	KANGOO	2600	1257	RIGHT	Sides	50054292	1
2F FIAN	KANGOO	2600	1257	without side door	Complete kit	50054293	1
1K KIT	KANGOO	2600	1257	RIGHT	Sides	50054294	1
2K KIT	KANGOO	2600	1257	without side door	Complete kit	50054295	1
3P PIAN	KANGOO	2600	1257	RIGHT	Platform	50054296	1
3F FIAN	KANGOO	2600 long	1257	RIGHT	Sides	50054297	1
3K KIT	KANGOO	2600 long	1257	RIGHT	Complete kit	50054298	1
4P PIAN	TRAFIC	3098	1387	without side door	Platform	50054299	1
4F FIAN	TRAFIC	3098	1387	without side door	Sides	50054300	1
4K KIT	TRAFIC	3098	1387	without side door	Complete kit	50054301	1
5P PIAN	TRAFIC	3098	1387	RIGHT	Platform	50054302	1
5F FIAN	TRAFIC	3098	1387	RIGHT	Sides	50054303	1
5K KIT	TRAFIC	3098	1387	RIGHT	Complete kit	50054304	1
6P PIAN	TRAFIC	3098	1387	RIGHT-LEFT	Platform	50054305	1
6F FIAN	TRAFIC	3098	1387	RIGHT-LEFT	Sides	50054306	1
6K KIT	TRAFIC	3098	1387	RIGHT-LEFT	Complete kit	50054307	1
7P PIAN	TRAFIC	3498	1387	without side door	Platform	50054308	1
7F FIAN	TRAFIC	3498	1387	without side door	Sides	50054309	1
7K KIT	TRAFIC	3498	1387	without side door	Complete kit	50054310	1
8P PIAN	TRAFIC	3498	1387	RIGHT	Platform	50054311	1
8F FIAN	TRAFIC	3498	1387	RIGHT	Sides	50054312	1
8K KIT	TRAFIC	3498	1387	RIGHT	Complete kit	50054313	1
9P PIAN	TRAFIC	3498	1387	RIGHT-LEFT	Platform	50054314	1
9F FIAN	TRAFIC	3498	1387	RIGHT-LEFT	Sides	50054315	1
9K KIT	TRAFIC	3498	1387	RIGHT-LEFT	Complete kit	50054316	1
10P PIAN	MASTER L1H1	3078	1670	RIGHT	Platform	50054317	1
10F FIAN	MASTER L1H1	3078	1670	RIGHT	Sides	50054318	1
10K KIT	MASTER L1H1	3078	1670	RIGHT	Complete kit	50054319	1
11P PIAN	MASTER L1H2	3078	1912	RIGHT	Platform	50054320	1
11F FIAN	MASTER L1H2	3078	1912	RIGHT	Sides	50054321	1
11K KIT	MASTER L1H2	3078	1912	RIGHT	Complete kit	50054322	1
12P PIAN	MASTER L2H2	3478	1912-2146	RIGHT	Platform	50054323	1
12F FIAN	MASTER L2H2	3478	1912-2146	RIGHT	Sides	50054324	1
12K KIT	MASTER L2H2	3478	1912-2146	RIGHT	Complete kit	50054325	1
13P PIAN	MASTER L3H2	4078	1912-2146	RIGHT	Platform	50054326	1
13F FIAN	MASTER L3H2	4078	1912-2146	RIGHT	Sides	50054327	1
13K KIT	MASTER L3H2	4078	1912-2146	RIGHT	Complete kit	50054328	1
14P PIAN	KANGOO 2009	2697	1188	RIGHT	Platform	50054329	1
15F FIAN	TRAFIC	3498	1913	RIGHT	Sides	50054330	1
18F FIAN	MASTER 2010	3682	1894	RIGHT	Sides	50054333	1
20F FIAN	MASTER 2010	4332	1894	RIGHT	Sides	50054335	1
23F FIAN	MASTER 2010	4332	1894	RIGHT	Sides	50054338	1

5005 B/VW

Internal covering

n°	vehicle model	wheel-base	roof	side doors	type	code	
4P PIAN	LT	3000	1633	RIGHT	Platform	50054360	1
4F FIAN	LT	3000	1633	RIGHT	Sides	50054361	1
4K KIT	LT	3000	1633	RIGHT	Complete kit	50054362	1
5P PIAN	LT	3550	1633-1855	RIGHT	Platform	50054363	1
5F FIAN	LT	3550	1633-1855	RIGHT	Sides	50054364	1
5K KIT	LT	3550	1633-1855	RIGHT	Complete kit	50054365	1
6P PIAN	LT	4025	1855	RIGHT	Platform	50054366	1
6F FIAN	LT	4025	1855	RIGHT	Sides	50054367	1
6K KIT	LT	4025	1855	RIGHT	Complete kit	50054368	1
7F FIAN	TRANSPORTER T5	3000	1410-1626	RIGHT and back doors	Sides	50054369	1
8F FIAN	TRANSPORTER T5	3000	1410-1626	RIGHT and 2 back doors	Sides	50054370	1
9F FIAN	TRANSPORTER T5	3400	1410-1940	RIGHT and back doors	Sides	50054371	1
10F FIAN	TRANSPORTER T5	3400	1410-1626-1940	RIGHT and 2 back doors	Sides	50054372	1
11P PIAN	CADDY after 2004	2682	1257	RIGHT	Platform	50054373	1
11F FIAN	CADDY after 2004	2682	1257	RIGHT	Sides	50054374	1
12F FIAN	CRAFTER	3250	1650	RIGHT	Sides	50054375	1
13F FIAN	CRAFTER	3665	1650	RIGHT	Sides	50054376	1
14F FIAN	CRAFTER	4325	1940	RIGHT	Sides	50054377	1
15F FIAN	CRAFTER	4325XL	1940	RIGHT	Sides	50054378	1



5005 H/FIA1

Wheel-side cover

- Two wheel-side covers
- FIAT Ducato (before 2007)
- CITROEN Jumper (before 2007)
- PEUGEOT Boxer (before 2007)

LxPxH mm	á gr	code	
900x220x375	1,7	50050010	1

5005 H/FIA2

Wheel-side cover

- Two wheel-side covers
- FIAT Ducato (after 2007)
- CITROEN Jumper (after 2007)
- PEUGEOT Boxer (after 2007)

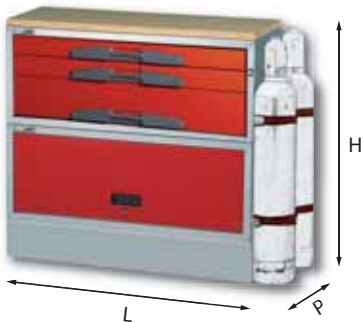
LxPxH mm	á gr	code	
900x220x375	1,7	50051000	1

5005 H/REN1

Wheel-side cover

- Two wheel-side covers
- RENAULT Trafic
- NISSAN Primastar
- OPEL Vivaro

LxPxH mm	á gr	code	
990x230x340	1,5	50050020	1



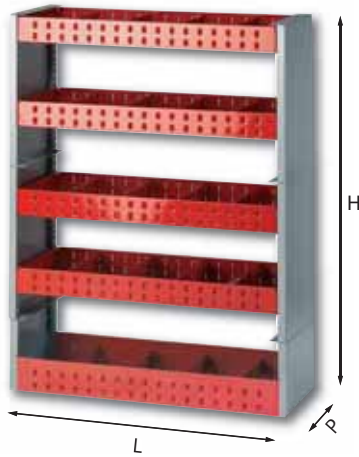
5006 A4

Assortment for plumbers

- For FIAT DUCATO, wheelbase 3200 roof 1881
- Right side

pcs description	item/size
1 Composition with long drawers	5000 CL3N
1 Base	5002 B2N
1 Multilayer top	5002 S/7L
1 Bottle-holder	5002 S1

LxPxH mm	code	
990x375x964	50060007	1



5006 A5

Assortment for plumbers

- For FIAT DUCATO, wheelbase 3200 roof 1881
- Rear side

pcs description	item/size
1 Upright 275 mm	5003 ME/1
2 Uprights 275 mm	5003 MF/3
3 Shelves	5003 RB1
2 Shelves	5003 RC1

LxPxH mm	code	
990x375x1306	50060008	1



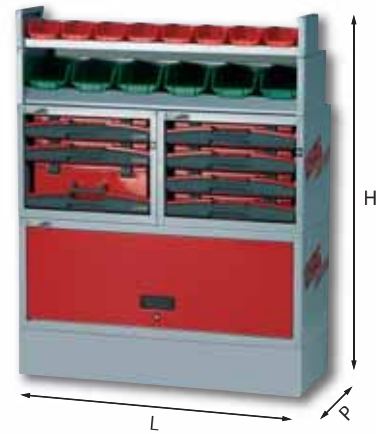
5006 A6

Assortment for plumbers

- For FIAT DUCATO, wheelbase 3200 roof 1881
- Left side

pcs description	item/size
1 Composition with removable boxes	5000 A3
1 Composition with drawers	5000 C3
1 Composition with boxes and drawers	5000 E5
1 Composition with boxes and drawers	5000 F3
1 Base	5002 B2N
1 Accessory	5002 Z1
1 Accessory	5002 Z2
1 Worktop with vice	5002 ZM2
1 Upright 375 mm	5003 ME/3
2 Shelves	5003 RIC3

LxPxH mm	code	
1785x375x1506	50060009	1



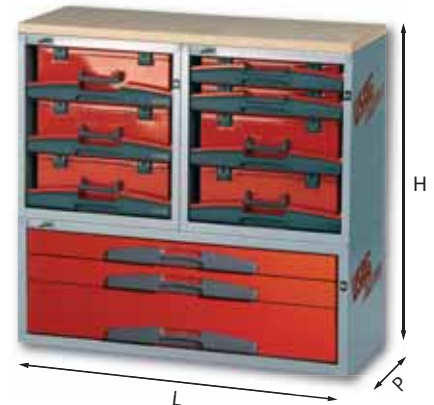
5006 B4

Assortment for electrotechnics

- For FIAT DUCATO, wheelbase 3200 roof 1881
- Right side

pcs description	item/size
1 Composition with removable boxes	5000 A3
1 Composition with removable boxes	5000 A4
1 Base	5002 B2N
1 Trays-holder	5003 A1
1 Trays-holder	5003 A2

LxPxH mm	code	
990x375x1240	50060010	1



5006 B5

Assortment for electrotechnics

- For FIAT DUCATO, wheelbase 3200 roof 1881
- Rear side

pcs description	item/size
1 Composition with removable boxes	5000 B3
1 Composition with removable boxes	5000 B4
1 Composition with long drawers	5000 CL3N
1 Multilayer top	5002 S/7L

LxPxH mm	code	
990x375x964	50060011	1



5006 B6

Assortment for electrotechnics

- For FIAT DUCATO, wheelbase 3200 roof 1881
- Left side

pcs	description	item/size
1	Composition with removable boxes	5000 B6
1	Composition with drawers	5000 D4
1	Composition with drawers	5000 D5
1	Composition with boxes and drawers	5000 F2
1	Base	5002 B2N
1	Shelf	5002 R2
1	Complement element	5002 S9

LxPxH mm	code	
1485x375x1334	50060012	1



Time saving, energy saving, improved working efficiency.
In other words: everything on board.

Matrix is a highly versatile system: today, indeed every model of commercial vehicle on the market can be fitted out with Matrix. The modular system is designed to allow personalized fitting out, with rational use of available space ensuring the optimum solution for every possible combination. Along with safety guaranteed by USAG. Matrix gives added certainty when travelling to any job: an ingenious mobile workshop that puts everything in order for you.



Ample storage capacity:
modules with removable tool boxes or fixed drawers.
Organization and convenience now go hand in hand.



Usag Griffe



Red/blue apron

- Strong fabric: 65% polyester, 35% cotton

Size	code	
M	Y08027282	1
L	Y08027283	1
XL	Y08027284	1
XXL	Y08027285	1



Red/blue dungaree

- Strong fabric: 65% polyester, 35% cotton
- Wadded knees

Size	code	
M	Y08027320	1
L	Y08027321	1
XL	Y08027322	1
XXL	Y08027323	1



Red/blue working overall

- Strong fabric: 65% polyester, 35% cotton
- Wadded knees and elbows

Size	code	
M	Y08027324	1
L	Y08027325	1
XL	Y08027326	1
XXL	Y08027327	1



Red/blue working jacket

- 2 in 1: jacket with long sleeves/gilet
- Detachable arms
- 100% polyester
- Inside lined and stuffed

Size	code	
M	Y08027304	1
L	Y08027305	1
XL	Y08027306	1
XXL	Y08027307	1



Red/blue multipocket vest

- Strong fabric: 65% polyester, 35% cotton
- Inside lined

Size	code	
M	Y08027358	1
L	Y08027359	1
XL	Y08027360	1
XXL	Y08027364	1



Red/blue sweatshirt

- 100% cotton
- Stretch collar and cuffs

Size	code	
M	Y08027295	1
L	Y08027296	1
XL	Y08027297	1
XXL	Y08027298	1



Red/blue T-shirt

- 100% combed cotton

Size	code	
S	Y08027391	1
M	Y08027310	1
L	Y08027311	1
XL	Y08027312	1
XXL	Y08027313	1



Shirt with short sleeves

- 100% cotton

Size	code	
S	Y08027392	1
M	Y08027333	1
L	Y08027334	1
XL	Y08027335	1
XXL	Y08027336	1



USAG shirt with long sleeves

- 100% cotton

Size	code	
S	Y08027393	1
M	Y08027299	1
L	Y08027300	1
XL	Y08027301	1
XXL	Y08027302	1



Red/blue USAG cap

- 100% combed cotton
- Single size: rear adjusting buckle

code	
Y08027303	1



T-shirt, short sleeves

- 100% combed cotton

Size	code	
S	Y08027438	1
M	Y08027439	1
L	Y08027440	1
XL	Y08027441	1
XXL	Y08027442	1



Polo, short sleeves

- 100% combed cotton

Size	code	
S	Y08027443	1
M	Y08027444	1
L	Y08027445	1
XL	Y08027446	1
XXL	Y08027447	1



Sweatshirt

- 100% cotton
- Stretch collar and cuffs
- 2 front pockets

Size	code	
S	Y08027448	1
M	Y08027449	1
L	Y08027450	1
XL	Y08027451	1
XXL	Y08027452	1



Blue cap

- 100% combed cotton
- Single size: rear adjusting buckle

code	
Y08027453	1



Multi-purpose band

- Stretch cotton, seamless
- Protects against wind, cold and dust
- Can be used as bandanna, neck-warmer, hairband, armband...

code	
Y08027470	1



Black/grey USAG jacket

- 2 in 1: jacket with long sleeves/gilet
- Detachable arms
- 100% polyester
- "Pile" inside

Size	code	
M	Y08027337	1
L	Y08027338	1
XL	Y08027339	1
XXL	Y08027340	1



Raincoat

- Windbreaker jacket, net wadded
- Pull-out hood
- 2 outside pockets and 1 inside pocket
- Elastic casing

Size	code	
M	Y08027355	1
L	Y08027356	1
XL	Y08027357	1



Working trousers

- 2 in 1: long trousers/bermuda
- Detachable legs
- Side pockets
- Strong fabric: 65 polyester, 35 cotton

Size	code	
48	Y08027315	1
50	Y08027316	1
52	Y08027317	1
54	Y08027318	1
56	Y08027319	1



Fabric belt

- 100% cotton
- Metal buckle

code	
Y08027469	1



Black chronograph

- Analogic
- Quartz movement
- Stainless steel case
- Water resistant 5 atm
- Leather strap

code	
Y08027370	1



Watch

- Analogic
- Quartz movement
- Polyarbonate strap

code	
Y08027464	1



Sun glasses "Voyager"

- Frames in TR90 Grilamid
- Rubber ends
- Grey lenses

code	
Y08027472	1



Red/blue multipocket backpack

- Polyester 600D
- 2 side pockets and 1 front pocket
- Phone holder

code	
Y08027345	1



Shoulder bag

- Large inside space with zip
- Front pocket for documents
- Side phone pocket
- Adjustable shoulder strap
- Closure in velcro

code	
Y08027463	1



Umbrella "Golfer"

- Metal structure
- Wooden handle
- 130 cm diameter

code	
Y08027416	1



Suomy scooter Jet helmet

- Technical characteristics: high impact resistant fibreglass, lightweight, special sound-absorbing polymers, top quality hypoallergenic lining, quick release chin strap closure, scratch-proof high impact resistant visor, safety lock visor system

Size	code	
S	Y08027265	1
M	Y08027266	1
L	Y08027267	1
XL	Y08027268	1



Mouse pad

- Dimensions: 23x19 cm

code	
Y08027435	1



Mini optical mouse

- Compact dimensions: for lap-top and netbook
 - Retractable cable, maximum length 76 cm
 - Central roll for quick page scroll
 - USB connection

code	
Y08027436	1



Memory stick USB 324

- Capacity: 2GB

code	
Y08027437	1



Mechanical pencil

- 0,5 mm leads
 - With pocket clip
 - Antislip

code	
Y08027434	1



"Xara Frost" pen

- With pocket clip
 - Antislip

code	
Y08027415	1



USAG block notes

- Size: 15x21 cm
 - Squared paper

code	
Y08027278	25



Lanyard

- Band in syntetic fabric with safety device anti-strangling
 - Metal releasable buckle
 - Spring catch for keys/badge
 - Hook for phone/memory key

code	
Y08027414	1



Key ring 324

- Body in PVC
 - Metal chain and hook

code	
Y08027429	1



Bracelet

- In PVC

code	
Y08027430	1



Phone display cleaner

- Particularly suitable for phone display cleaning
 - With felt pad on the rear side and hanging strap

code	
Y08027431	1



Deodorizer for cars

- Lemon fragrance
 - Whith elastic for hanging
 - Dimensioni 7,5x7,5 cm

code	
Y08027428	1



Steel knife

- Stainless steel
- Safety device to prevent accidental closure
- Supplied in metal box

code	
Y08027432	1



Multi-purpose steel knife

- Stainless steel
- 9 different functions
- Supplied with nylon wallet with belt hanging loop

code	
Y08027433	1



Paper shopping bag

- In paper kraft 170gr
- Cotton handle 45 mm
- Reinforced bottom
- Dimensions: 36x12x45 cm

code	
Y08027482	1



USAG sticker - horizontal

Dimensions cm	code	
10x2,6	Y08027427	1
20x5,2	Y08027426	1
50x13,2	Y08027468	1



Workshop set service

- Composed by:
- 1 display stand,
- 1 coil of 250 seat covers,
- 250 paper floor mats,
- 1 coil of steering wheel cover+handgrip

code	
Y08027083	1



Steering wheel cover

- To protect steering wheel in workshops
- Stretchable film
- Complete with unroll device in plastics
- Pack with 5 coils

code	
Y08027078	1



Seat cover

- Polyethylene
- Double format, covers completely the seat, including the rear part
- Thickness: 13 micron
- Dimensions: 70x165 mm
- Coil of 250 pieces

code	
Y08027076	1



Paper floor mats

- Moquette-cover in blotting paper
- Dimensions: 45x35 cm
- Pack with 250 pieces

code	
Y08027079	1



Fender cover

- PVC and flock
- Magnetic
- Dimensions: 115x70 cm

code	
Y08027081	10



Adhesive coil

- Film sticker with USAG logo, in coil 25 meters

code	
Y08027455	1



Shop hours display

- To put on shop entrance, states open/closing days and hours
- Dimensions: 17,5x21 cm

code	
Y08027424	1



Change dish

- For counter
- In transparent PVC
- Dimensions: 20x17 cm

code	
Y08027425	1



Leaflet holder

- In cardboard
- For documents A4 format
- Dimensions: 26x35 cm

code	
Y08027473	1



Wall clock

- Analogic
- Quartz movement
- Dial in Forex, diameter 30 mm

code	
Y08027465	1



Banner

- Banner in PVC, single side, with boss on sides for easy fixing
- Internal/external use

Dimensions cm	code	
200x65	Y08027474	1
400x100	Y08027475	1
600x125	Y08027476	1



Banner with products

- Banner in PVC, single side, with boss on sides for easy fixing
- Internal/external use

Dimensions cm	code	
200x65	Y08027477	1
400x100	Y08027478	1
600x125	Y08027479	1



Entrance carpet

- In strong moquette
- Bottom in antislip material

Dimensions cm	code	
60x85	Y08027466	1
85x150	Y08027467	1



Flag

- Outside model: strong fabric resistant to atmospheric conditions
- Dimensions 1250x80 mm
- Complete with side hooks to anchorage at pennon

code	
Y08027423	1



Flag - sail type

- Telescopic shaft with base to fix at ground
- Height 190 cm
- Can be stored in a fabric bag 100x25 cm

code	
Y08027413	1



Inside lighting

- Single side
- Dimensions: 100x30 cm
- Support in shockproof plastic material
- Front in methacrylate
- Electrical system with fluorescent lamps in compliance with CEI/UNI CE norms
- Delivered in wooden case

code	
Y08027480	1



Outside lighting

- Single side
- Dimensions: 100x100 cm
- Aluminium casing
- Front in plexiglass
- Electrical system with fluorescent lamps in compliance with CEI/UNI CE norms
- Delivered in wooden case

code	
Y08027481	1



The brand COMEC, company specialized in the production of tool containers, has always been a guarantee to its end-users of practical and sturdy products combined with an essential and agreeable design.


COMEC's strength has traditionally been a successful interface between product design and its integrated production line: all our products have been conceived and produced in full compliance with international quality and safety standards. Besides our company's competitive price policy, COMEC constantly strives towards higher quality and user-friendlier products.



RMD 280/1

Modular drawer units

- Model with 5 drawers h 140 mm
- Telecopic slides
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)


version	LxPxH mm	kg	code	
AT	662x722x960	97	10204378	1



RMD 280/3

Modular drawer units

- Model with 10 drawers h 60 mm
- Telecopic slides
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)


version	LxPxH mm	kg	code	
AT	662x722x960	137	10204380	1



RMD 280/5

Modular drawer units

- Model with 2 drawers h 60 mm, 4 drawers h 100 mm and 1 drawer h 140 mm
- Telecopic slides
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)


version	LxPxH mm	kg	code	
AT	662x722x960	113	10204382	1



RMD 280/2

Modular drawer units

- Model with 6 drawers h 60 mm and 2 drawers h 140 mm
- Telecopic slides
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)


version	LxPxH mm	kg	code	
AT	662x722x960	121	10204379	1



RMD 280/4

Modular drawer units

- Model with 1 drawer h 60 mm and 6 drawers h 100 mm
- Telecopic slides
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)


version	LxPxH mm	kg	code	
AT	662x722x960	113	10204381	1



RMD 280/6

Modular drawer units

- Model with 3 drawers h 60 mm, 2 drawers h 100 mm and 2 drawers h 140 mm
- Telecopic slides
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)

version	LxPxH mm	kg	code	
AT	662x722x960	113	10204383	1



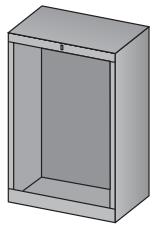
RMD 280/7

Modular drawer units

- Model with 5 drawers h 60 mm, 2 drawers h 100 mm and 1 drawer h 140 mm
- Telescopic slides
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)

version	LxPxH mm	kg	code	
AT	662x722x960	121	10204384	1

x 10U



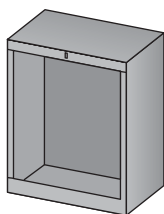
RMD 280 IA

Modular drawer unit

- Structure for 10 drawers height 60 mm
- Fair grey RAL 9006

LxPxH mm	kg	code	
662x722x960	37	10204340	1

x 8U



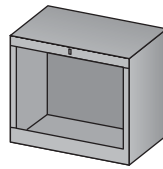
RMD 281 IA

Modular drawer unit

- Structure for 8 drawers height 60 mm
- Fair grey RAL 9006

LxPxH mm	kg	code	
662x722x800	32	10204341	1

x 6U



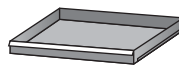
RMD 282 IA

Modular drawer unit

- Structure for 6 drawers height 60 mm
- Fair grey RAL 9006

LxPxH mm	kg	code	
662x722x630	28	10204342	1

1U



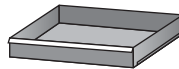
RMD CA H60

Drawers

- Telescopic slides
- Dark grey ELIAN (RAL 7016)

version	LxPxH mm	kg	code	
AT	555x555x60	10	10204350	1

3U (2 pcs)



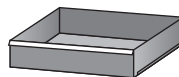
RMD CA H100

Drawers

- Telescopic slides
- Dark grey ELIAN (RAL 7016)

version	LxPxH mm	kg	code	
AT	555x555x100	11	10204351	1

2U



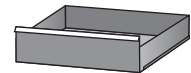
RMD CA H140

Drawers

- Telescopic slides
- Dark grey ELIAN (RAL 7016)

version	LxPxH mm	kg	code	
AT	555x555x140	12	10204352	1

3U



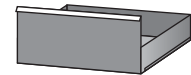
RMD CA H222

Drawers

- Telescopic slides
- Dark grey ELIAN (RAL 7016)

version	LxPxH mm	kg	code	
AT	555x555x222	13	10204353	1

4U



RMD CA H303

Drawers

- Telescopic slides
- Dark grey ELIAN (RAL 7016)

version	LxPxH mm	kg	code	
AT	555x555x303	14	10204354	1

RMD 280 RPA

Shelf

- Dark grey ELIAN (RAL 7016)

LxPxH mm	kg	code	
598x580x30	4	10204388	1



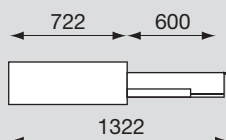
RMD 280 DA

Catalogue-desk

- Upper drawer dimensions L555xP550xH60 mm
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)

LxPxH mm	kg	code	
662x722x960	76	10204386	1

Drawers with telescopic slides



Drawer with telescopic slides for total opening loading capacity kg. 62



RMD 280 FA

Cabinet with doors

- Upper drawer dimensions L555xP550xH60 mm
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)

LxPxH mm	kg	code	
662x722x960	59	10204387	1



RMD 284 A1

Corner unit with doors

- (for open corners)
- Drawer dimensions L555xP350xH60 mm
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)

LxPxH mm	kg	code	
1120x655x1042	39	10204516	1

RMD 284 A2

Corner unit with doors

- (for closed corners)
- Drawer dimensions L555xP350xH60 mm
- Structure: fair grey RAL 9006, drawers dark grey ELIAN (RAL 7016)

LxPxH mm	kg	code	
1120x655x1042	39	10204517	1



RMD 284 CA1

Corner unit

- For open corners
- Structure: fair grey RAL 9006

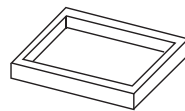
LxPxH mm	kg	code	
1120x655x1042	39	10204526	1

RMD 284 CA2

Corner unit

- For closed corners
- Structure: fair grey RAL 9006

LxPxH mm	kg	code	
1120x655x1042	39	10204527	1



RMD 280 ZA

Baseboard

- Grey colour

LxPxH mm	kg	code	
662x670x82	5	10204343	1



RMD TOP B

Top

- Top in rubber oil-resistant coating or non-scratch material
- For models RMD 280-281-282
- Depth 800 mm

thickness mm	code	
40	10211144	1

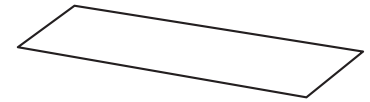
Price per linear millimeter

RMD TOP B1

Top

- Top in rubber oil-resistant coating or non-scratch material
- For models RMD 284

thickness mm	code	
40	10211149	1



RMD TOP F

Top

- Ribbed rubber mat
- For models RMD 280-281-282
- Depth 722 mm

thickness mm	code	
2	10211109	1

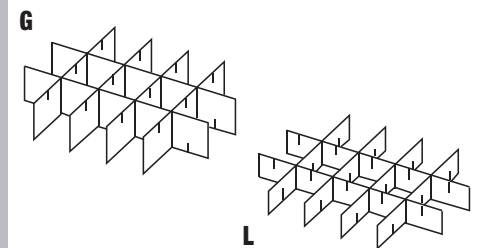
Price per linear meter

RMD TOP F1

Top

- Ribbed rubber mat
- For models RMD 284

thickness mm	code	
2	10211445	1



RMD 200

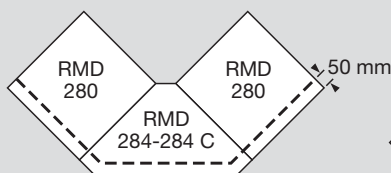
Cross-type dividers

- For drawers 555x555 mm
- Composed by 6 pieces

version	H mm	code	
G	120	10211021	1
L	100	10211022	1

Non linear compositions

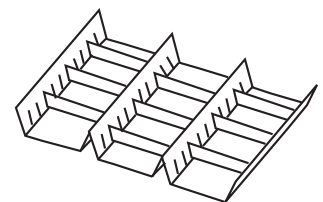
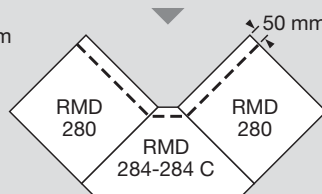
1 OPEN CORNER



USER'S SIDE

2 CLOSED CORNER

USER'S SIDE

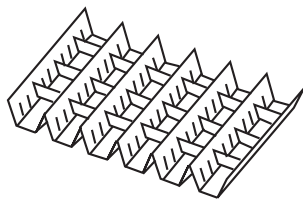


RMD 200 M

Cradle-type dividers

- For drawers 555x555 mm
- Composed by 3 cradle-type dividers and 9 separators

H mm	code	
50	10211005	1



RMD 200 N

Craddle-type dividers

- For drawers 555x555 mm
- Composed by 6 craddey-tipe dividers and 18 separators

H mm	code	
50	10211006	1



RMD 200 MS

Separator

- For cradde 200 M

H mm	code	
50	10211074	1

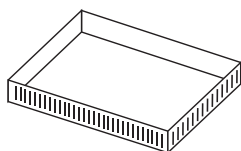


RMD 200 NS

Separator

- For cradde 200 N

H mm	code	
50	10211075	1

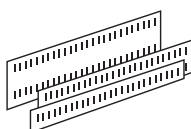


RMD 200 FRP

Outside supports

- For drawers 555x555 mm

H mm	code	
56	10211280	1
96	10211281	1
140	10211282	1

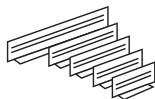


RMD 200 FRL

Longitudinal dividers

- For RMD 200 FRP
- Length 555 mm

H mm	code	
50	10211262	1
90	10211263	1
130	10211264	1

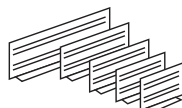


RMD 200 FRD1

Cross dividers

- For RMD 200 FRP
- Height 60 mm
- Aluminium

L mm	code	
98	10211265	1
115	10211266	1
149	10211267	1
166	10211268	1
249	10211269	1

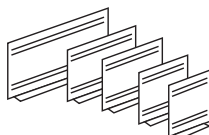


RMD 200 FRD2

Cross dividers

- For RMD 200 FRP
- Height 100 mm
- Aluminium

L mm	code	
98	10211270	1
115	10211271	1
149	10211272	1
166	10211273	1
249	10211274	1

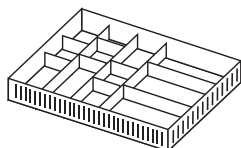


RMD 200 FRD3

Cross dividers

- For RMD 200 FRP
- Height 140 mm
- Aluminium

L mm	code	
98	10211275	1
115	10211276	1
149	10211277	1
166	10211278	1
249	10211279	1

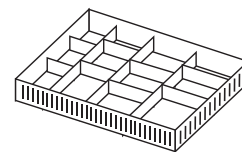


RMD 200 FR1

Kit dividers

- Composition: 1 200 FPR - 3 200 FRL - 6 200 FRD (L98) - 2 200 FRD (L249)

H mm	code	
60	10211250	1
100	10211251	1
140	10211252	1

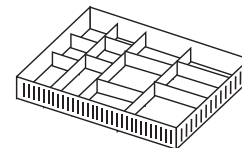


RMD 200 FR2

Kit dividers

- Composition: 1 200 FPR - 3 200 FRL - 2 200 FRD (L98) - 6 200 FRD (L149)

H mm	code	
60	10211253	1
100	10211254	1

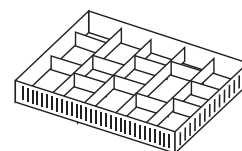


RMD 200 FR3

Kit dividers

- Composition: 1 200 FPR - 3 200 FRL - 2 200 FRD (L98) - 2 200 FRD (L115) - 4 200 FRD (L166)

H mm	code	
60	10211256	1
140	10211258	1



RMD 200 FR4

Kit dividers

- Composition: 1 200 FPR - 4 200 FRL - 4 200 FRD (L98) - 6 200 FRD (L115)

H mm	code	
60	10211259	1
100	10211260	1



CO HELP 200/1 MAGNUM

MAGNUM roller cabinet

- Model with 3 shelves
- Handle for optimal manoeuvrability
- Two swivelling wheels (Ø 100 mm), one for which with brake and two fixed wheels (Ø 100 mm)
- Welded structure
- Max loading capacity: 280 Kg


LxPxH mm	♯ Kg	code	
1020x530x960	40	C010203002	1



CO HELP 200 S

HELP roller cabinet

- Model with 3 shelves and rubber mat
- Handle for optimal manoeuvrability
- Two swivelling wheels (Ø 80 mm) and two fixed wheels (Ø 80 mm)
- Supplied disassembled
- Max loading capacity: 200 Kg
- Using the optional panel CO 206 P1 it is not possible to assemble the handle


LxPxH mm	kg	code	
890x490x815	16	C010203010	1



CO HELP 204

HELP roller cabinet - 3 drawers

- Work top and shelves protected with non-slip rubber mat
- Shockproof handle and outside corner protection
- Centralized lock for drawers
- Total opening drawers on telescopic ball-bearing slides
- Side compartments for small items
- Two swivelling wheels (Ø 100 mm) one of which with brake and two fixed wheels (Ø 125 mm)
- Dimensions: 2 side drawers 310x350x83 mm, front drawer 570x420x70 mm,
- Max loading capacity (roller cabinet): 280 Kg
- Max loading capacity (front drawer): 30 Kg
- Using the optional panel CO 206 P1 it is not possible to assemble the handle


LxPxH mm	kg	code	
890x490x840	32	C010203030	1

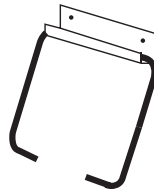


CO HELP 208/6A

HELP roller cabinet - 6 drawers

- Work top in high resistance plastic material
- Shockproof handle
- Centralized lock for drawers with front locking
- Total opening drawers on telescopic ball-bearing slides
- 8 side compartments for small items or spray holder
- Two swivelling wheels (Ø 100 mm one of which with brake and two fixed wheels (Ø 125 mm))
- Dimensions: 2 drawers 570x420x50 mm, 2 drawers 570x420x75 mm, 2 drawers 570x420x175 mm
- Max loading capacity (roller cabinet): 280 Kg
- Max loading capacity (drawer): 30 Kg


LxPxH mm	kg	code	
890x490x880	46	C010203120	1

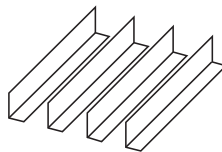


CO 200 A

Roll-paper holder

- For item: 200/1, 200 S, 204, 208/6A


kg	code	
0,8	C010211001	1

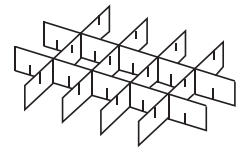


CO 200 C

Bar-type dividers

- For front drawers
- For item: 204, 208/6A, 302


LxH mm	code	
415x40	C010211003	1

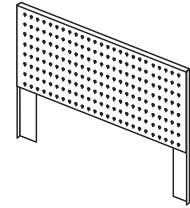


CO 200 D

Cross-type dividers

- For front drawers
- For item: 204, 208/6A, 302


H mm	code	
48	C010211004	1

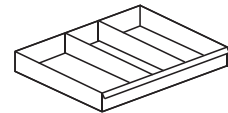


CO 206 P1

Panel

- For item: 200 S, 204


LxH mm	code	
780x460	C010211065	1



CO 230 C1

Drawer

- Optional drawer with dividers
- For item: 200/1, 200 S


LxPxH mm	code	
405x305x60	C010211080	1



CO 230/5

Cantilever box

- Sheet steel casing
- Double fold-down handle for easy opening and transport
- 5 compartments


LxPxH mm	kg	code	
460x210x225	5	C010209020	4



CO 230/5L

Long cantilever box

- Same features of model CO 230/5


LxPxH mm	kg	code	
550x210x225	6,5	C010209021	4



CO HELP 302

Mobile workbench

- Work top in multilayer wood preset to fix a vice
- Steel structure with a retractable tool-holder panel
- Drawer chest with 5 drawers and side compartment with shelves
- Four wheels (Ø 100 mm) in wulkolan, two of them retractable that can be run by the side handle
- Complete with hooks and supports for panel
- Dimensions:
3 drawers 570x420x73 mm,
2 drawers 570x420x173 mm
- Max loading capacity (drawer): 30 Kg
- Max loading capacity (panel): 20 Kg


LxPxH mm	kg	code	
1110x660x890	120	C010206010	1



ex CO 305 L

Workbench without drawers

- Model with multilayer wooden top, 30 mm thickness
- Arranged for ground fixing
- Sheet steel casing with anaphoretic process
- 4 uprights for size 1m and 1,5 m
- 6 uprights for size 2 m
- Possibility to add drawer 501 U 175
- Static load:
L 1000 = 1000 Kg
L 1500 = 1500 Kg
L 2000 = 2000 Kg


LxPxH mm	kg	code	
1000x700x880	43	05010118	1
1500x700x880	55	05010119	1
2000x700x880	76	05010120	1



ex CO 305

Workbench without drawers

- Model with sheet steel top, 2,5 mm thickness
- Work top with sides
- Arranged for ground fixing
- Sheet steel casing with anaphoretic process
- 4 uprights for size 1m and 1,5 m
- 6 uprights for size 2 m
- Possibility to add drawer 501 U 175
- Static load:
L 1000 = 1000 Kg
L 1500 = 1500 Kg
L 2000 = 2000 Kg


LxPxH mm	kg	code	
1000x700x880	45	05010108	1
1500x700x880	57	05010109	1
2000x700x880	77	05010110	1

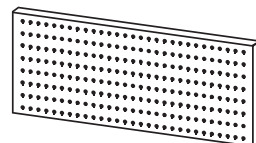


501 U175

Drawer with slides for workbenches 501 E1 and 501 E2 (ex CO 305)

- Lock for workbench included
- Inside dimensions: 570x420x175 mm
- Combinable with plastic trays for tools


kg	code	
9	Q05010129	1



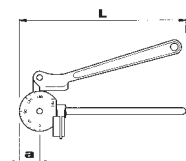
CO 305 P

Perforated panels in sheet steel

- For workbenches CO 305
- Supplied with fixing brackets
- Combined drilling: slot and hole Ø 5 mm
- Colour red RAL 3020

LxH mm	code	
1500x460	C010211068	1
1000x460	C010211069	1

THERMOHYDRAULICS



ex USAG 316 CN

Tube bending pliers for steel pipes

Bending capacity on hardened and annealed Copper pipes: \varnothing 6 to 18 mm and \varnothing 1/4" to 5/8 OD / wall thickness 1 to 1,2 mm. Bending radius: 2 to 3,5 D.

For forming very short radius bends and counter-bends.

Bending angle: up to 180° 0 to 180° graduations°.

Steel handle. Machined grooved.

hose \varnothing mm	AxL mm	kg	code
6	11,5x190	0,190	V251106
8	14,5x210	0,210	V251108
10	23,5x250	0,250	V251110
12	30x270	0,270	V251112
14	42,5x350	0,350	V251114
16	55x380	0,380	V251116



Crossbow bender

Lightweight alloy body.

For annealed Copper pipes: \varnothing 10 to 22 mm - Wall thickness: 1 mm.

For PEX/AL/PEX pipes: \varnothing 10 a 26 mm.

Bending radius: from 3 to 4 D. Bending angle: up to 90°.

Supplied in plastic case.

\varnothing tube	tube	kg	code
10-12-14-16-18-20-22 mm	Copper	5,150	V250100
14-16-18-20-26 mm	pex/al/pex	5,440	V250151

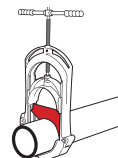


Guillotine pipe cutters Max thickness 18 mm

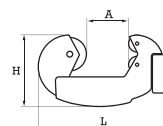
Square drive 14 mm

A wrench or extension can be used for cutting pipes in deep trenches. Releasing the catch on the hinged lower V-shaped jaw allows the cutter to be positioned anywhere along the pipe.

Stainless steel blade.



A tube "	A tube mm	kg	code
4	125	7,500	V211512
8	225	17,000	V211522



ex USAG 314 AN

Mini Copper pipe cutter 4-28 mm

Max thickness 2 mm.

Designed in particular for maintenance applications.

Compact cutter, can be used on pipes in situ.

Thumb-wheel slider control.

A tube "	A tube mm	LxH mm	kg	code
3/16-5/8	4-16	63x39	0,140	V210310
1/4-1.1/8	6-28	80x46	0,205	V210312



Spare cutting wheel

For pipe cutter	kg	code	
210310-312	10	0,030	V210350



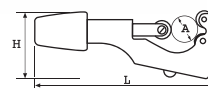
ex USAG 314 CN

Copper pipe cutter 6-28 mm

Max thickness: 2 mm.

Slide-mounted rollers.

Reamer inside adjustment knob.



A tube "	A tube mm	LxH mm	kg	code
1/4-1.1/8	6-28	170x49	0,305	V210320



Spare cutting wheel

For pipe cutter	kg	code	
V210320	10	0,030	V210350



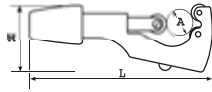
Copper pipe cutter 6-42 mm

Max thickness: 2 mm.

Slide-mounted cutting wheel.

Spare cutting wheel in the knob.

Retractable reamer in the body.

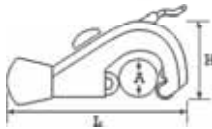


A tube "	A tube mm	LxH mm	kg	code
1/4-1.5/8	6-42	165x75	0,440	V210335



Spare cutting wheel

For pipe cutter	kg	code
V210335	10	0,030



ex USAG 314 D

Copper pipe cutter ZR35 3-35 mm

Max thickness 2 mm.

Fast.

Control knob allows very fast cutting wheel adjustment in both directions.

Grooved rollers

For cutting tight up against flanges.

Special steel cutting wheel mounted on a removable shaft for quick and easy replacement.

Rotating reamer

Interchangeable and retractable.

Spare cutting wheel supplied in the body of the pipe cutter.

A tube "	A tube mm	LxH mm	kg	code
1/8-1.3/8	3-35	135x55	0,470	V210443



Spare cutting wheel

For pipe cutter	kg	code
V210443	10	0,030



Spare reamer

For pipe cutter	kg	code
V210443	5	0,200



COPPER



PLASTICS



STAINLESS STEEL

ex USAG 314 F

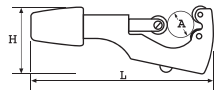
Tube cutter for Copper, light alloy, stainless steel and plastic tubes

Ratchet-type model for rapid advance and return

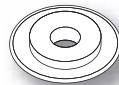
Grooved guide-rollers for cutting flanged tubes

Light alloy body

Enamelled finish



A tube "	A tube mm	for tubes	kg	code
5/16-2.5/8	8-67	Copper	0,750	V210451
5/16-2.9/16	8-65	plastics	0,750	V210493
5/16-2.5/8	8-67	stainless steel	0,750	V210479



Spare cutting wheel

For pipe cutter	kg	code
V210451 (Copper)	1	0,030
V210493 (Plastics)	1	0,030
V210479 (Stainless steel)	1	0,030



Pencil-type reamer with interchangeable blades

For Copper, PVC, PEHD pipes.

Possibility to replace the used blade.

Spare blade holder.

Possibility to choose the blade for the different pipes.

Supplied with 3 blades Cu, PCV and PEHD

Kg	code
0,500	V221261



Standard reamer

Pencil-type with non-removable blade.

For deburring the inside of Copper or other pipes, sheet metal edges, etc.

Pocket clip

For copper, PEHD, PVC pipes.

Kg	code
0,064	V221242

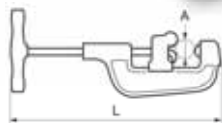


ex USAG 313

Stainless steel pipe cutter

Max thickness: 5 mm.

For quickly cutting steel pipes (gas-API-etc.) cleanly and squarely. Also works on stainless steel pipes (thickness >2 mm.) with cutting wheels V210123 and cast iron with cutting wheels V210122.

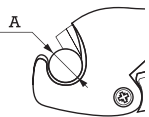


A tube "	A tube mm	L mm	kg	code
1/8 - 1.1/4	10 - 42	310	1,740	V210110
1/2 - 2	21 - 60	400	3,020	V210120
3/4 - 3	27 - 90	460	4,220	V210130
2 - 4	60 - 114	1030	9,00	V210145



Spare cutting wheels

Type	For pipe cutter	kg	code	
Steel	V210110-120-130	5	0,170	V210121
Cast iron	V210110-120-130	5	0,170	V210122
Steel	V210145	5	0,170	V210141
Cast iron	V210145	5	0,170	V210142



ex USAG 317 K

Pipe cutter PC 28, for PCV, PP, PE, PER, ABS, PEHD 28 mm

Composite body.

Very ergonomic design, excellent grip.

Performs perfect cuts on most PE and multi-layer pipes

A tube "	A tube mm	kg	code
1	28	0,170	V214026



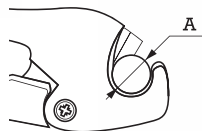
Pipe cutter PC 32 for pipes PCV, PP, PE, PER, ABS, PEHD 32 mm

V-shaped profile: easy cut, perpendicular and without pipe deformation.

Soft touch grip: antislip and perfect hold

Automatic opening: a spring keeps open the lower handle

A tube "	A tube mm	kg	code
1.1/4	32	0,19	V215032



ex USAG 317 B

Pipe cutter PC 42 for pipes PVC, PP, PE, PER, ABS, PEHD 42 mm

Integral electrical wire-cutter

Ø max. 12 mm., cross section 4x2,5mm².

Accurate

The "V" shaped profile of the upper arm perfectly guides the blade when cutting pipes of any diameter or material.

Chamfering too

Incorporated with the handle.

Bivelling angle: 15°.

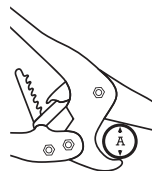
Patented mechanism allows easy cutting action preventing the return of the blade.

A tube "	A tube mm	kg	code
1.5/8	42	0,670	V215042



Spare blade

For pipe cutter	kg	code	
V215042	1	0,100	V214041



ex USAG 317 C

Pipe cutter for PVC, PP, PE, PER, ABS, PEHD 63 mm

Effort-reducing rack system.

Used for quickly cutting polyethylene and polypropylene pipes.

Hardened blades ensures a clean, square cut

A tube "	A tube mm	kg	code
2.1/212-63	63	1,210	V211463



Spare blade

For pipe cutter	kg	code	
V211463	1	0,200	V211403



Double ratchet housing for manual threader with interchangeable heads

Capacity "	Pawls	kg	code
3/8-1.1/4	1	2,100	V136295



Single ratchet housing for manual threader with interchangeable heads

Capacity "	Pawls	kg	code
1.1/2-2	1	2,480	V136490



ex USAG 300 B Complete heads with steel dies

Heads

with notched octagonal (or splined) drive for securing within the housing.

Lubrication and chip removal

assisted by large openings.

Cap

for accurate positioning of dies. Also allows them to be turned around to cut threads tight up against walls without risking to be pulled out.

Die position markings

remain perfectly visible at all times.

Guide hole

for self-centring of die-head.

Long-reach centring guide

for easy working.

Threading	Ø "	Ø mm	code
BSPT dx	3/8	12/17	V136233
BSPT dx	1/2	15/21	V136234
BSPT dx	3/4	20/27	V136235
BSPT dx	1	26/34	V136236
BSPT dx	1.1/4	33/42	V136237
BSPT dx	1.1/2 *	40/49	V136438
BSPT dx	2 *	50/60	V136439

* For use with Phenix III (item V137550) remove the retaining ring



ex USAG 300 BA

Set of steel dies

Precision machined

from a special alloy steel guaranteeing a high cutting performance, excellent resilience and hardness.

Cutting profile

with a clearance angle to reduce friction.

Threading	Ø "	Ø mm	code
BSPT dx	3/8	12/17	V136203
BSPT dx	1/2	15/21	V136204
BSPT dx	3/4	20/27	V136205
BSPT dx	1	26/34	V136206
BSPT dx	1.1/4	33/42	V136207
BSPT dx	1.1/2-2	40/49-50/60	V136408



Assortment 1.1/2"-2"

Tubular steel handles.

Right ratchet.

Ergonomic grip.

Easy head installation and removal.

Heads can also be used on Phenix II B portable electric threading machine.

Sheet steel case.

Description	Case	kg	code
1 head 1 pawl + 1 handle	sheet steel	12,8	V136460
BSPT Right: 1/2--2	660 x 200 x 110 mm		



ex USAG 300 T
Assortment 1/2"-2"

Tubular steel handles.
Reversible ratchet for increased manoeuvrability.
Ergonomic grip.
Easy head installation and removal.
Heads can also be used on Phenix III portable electric threading machine.
Sheet steel case.

Capacity:
Steel
BSPT Right: Ø 1/8" a 2"
BSPT Left: Ø 1/8" a 2"
NPT: Ø 1/8" a 2"
Stainless steel
BSPT Right: Ø 3/8" a 1.1/4"

Description	Case	kg	code
2 heads + 1 pawl + 1 handle	sheet steel	20	V136280
BSPT Right: 1/2-3/4-1-1.1/4-1.1/2-2	670 x 230 x 150 mm		



ex USAG 300 N-R
Assortment 3/8" and 1.1/4"

Tubular steel handles.
Reversible ratchet for increased manoeuvrability.
Ergonomic grip.
Heads can also be used on Phenix III portable electric threading machine.
Plastic case.

Capacity:
Steel
BSPT Right: Ø 1/8" a 1.1/4"
BSPT Left: Ø 1/8" a 1.1/4"
NPT: Ø 1/8" a 1.1/4"
Stainless steel
BSPT Right: Ø 3/8" a 1.1/4"

Description	Case	kg	code
Head 1 pawl with handle	Plastic	6	V136301
BSPT Right: 3/8 - 1/2 - 3/4 - 1 - 1.1/4	(429 x 240 x 125 mm)		
Head 1 pawl with handle	Plastic	5,6	V136311
BSPT Right: 1/2 - 3/4 - 1 - 1.1/4	(429 x 240 x 125 mm)		



Portable electric threading machine Phenix III

Compact and strong:
ideal for use on site, in the workshop and in restricted spaces.

Very reliable singlephase universal 750 W motor (220 V - 50/60 Hz or 115 V - 50/60 Hz.).

Geared reverse for a quick return.
Heads can also be used with manual threaders.

Capacity:
Steel
BSPT Right: Ø 1/8" a 2"
BSPT Left: Ø 1/8" a 2"
NPT: Ø 1/8" a 2"
Stainless steel
BSPT Right: Ø 3/8" a 1.1/4"

capacity "	Kg	code
1/2-2	7,800	V137550

Assortment portable electric threading machine Phenix III

Supplied in plastic case with:
- 1 blocking vice
- 1 reducer for octagonal heads 1/8" to 1.1/4"



BSPT dx "	Voit	W	Kg	code
1/2-3/4-1-1.1/4-1.1/2-2	230	750	22,600	V137563

Cutting oil

Specially designed for manual and powered threading. With its very high lubricating ability, Virax cutting oil ensures better quality threads and lengthens the service life of both dies and machines.
Water emulsifiable. Odourless.



contents	code
5 liters	V110105



WARNING: if using for drinking water networks, it is essential to rinse the detergent

Cutting oil

supplied in spray can

contents	code
500 ml	V110200

Single-phase asynchronous motor 230 V
 Power: 1100 Watt
 Dimensions: 1160x650x1100 mm
 Weight: 58 Kg



Threading machine 2"

Easy and effective threading.
 Assembly, regulation, start: everything has been conceived to make threads in the best conditions.

Supplied with:

- 1 self opening head 1/2" to 2" BSPT
- 1 set of chasers 1/2"-3/4" BSPT right
- 1 set of chasers 1"-2" BSPT right
- 1 set of brushes
- 1 steel cutting wheel
- 1 container of cutting oil 5 L (code V110105)
- 4 legs
- 1 safety pedal

capacity "	Kg	code
1/2-3/4-1-2	57,700	V162120

Single-phase asynchronous motor 230 V
 Power: 1600 Watt
 Dimensions: 1200x870x1200 mm
 Weight: 142 Kg



Threading machine 4"

Specially studied for large series; high resistance.
 Ideal for work on site and in workshops.

Supplied with:

- 1 self opening die head 1/2" to 2" BSPT
- 1 self opening die head 2.1/2" to 4" BSPT
- 1 set of chasers 1/2"-3/4" BSPT right
- 1 set of chasers 1"-2" BSPT right
- 1 set of chasers 2.1/2"-4" BSPT right
- 1 steel cutting wheel
- 2 containers of cutting oil 5 L (code V110105)
- 4 legs

capacity "	Kg	code
1/2-3/4-1-2-2.1/2-4	142,200	V162140



Threading head
with automatic opening
or manual connection



Easy and quick setting
of the threading size



Gear oil pump
with self-trigger.
Adjustable oil flow



Clutch chuck and long vices
for quick grip



Long vices for safe
tightening.



Quick vice change



Tube-cutter with
self-centring system



High-resistant dies
available in HSS and
standard



Dies with groove for quick
and easy change



Position ball for easy
and quick change



Folding trolley for threading machine 2" (V162120)

A man by himself can load and download the machine from vehicles.
 The trolley is provided with service jacks to lift and down the machine.
 Loading system without disassembling the machine.
 Stability legs.
 Supplied with 1 download system and 1 set of service screws.

for machine	Kg	code
V162120	24,500	V162460



Easy displacement



Position the upper part of the trolley on the vehicle entrance



Lift and push to load the equipment



Support surface for tools and connections



Trolley for threading machine 4" (V162140)

Equipped with 4 wheels and handles for easy transport.
 Supplied with service screws

for machine	Kg	code
V162140	31,500	V162461



Easy displacement



Load on a small vehicle



Easy transit on sidewalk



Support surface for tools and connections



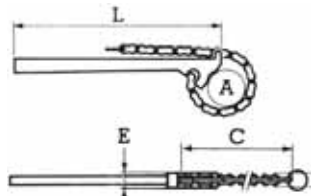
Quick pipe wrench

To tighten quickly and automatically the pipes: by running the wrench, the jaws tighten the pipes very strongly.

Suitable also to tighten/untighten nuts



A "	A mm	L mm	kg	code
1	34	250	0,550	V010123
1.1/2	49	350	1,450	V010124
2	60	450	2,600	V010126



ex USAG 306 R

Chain wrench

Reversible jaws: longer life of the wrench.

Very strong model for heavy duty applications in chemical and oil industry, shipyards etc.

A tube "	A tube mm	LxC mm	kg	code
1/4-2.1/2	13-76	550x415	3,200	V010731
3/4-4	27-114	900x560	5,900	V010732
1-6	34-165	1065x690	8,700	V010733
1.1/2-8	48-219	1285x1090	14,500	V010734
2-12	60-320	1600x1440	24,000	V010735



For the complete range of pipe wrenches see page. 82÷83



Drum-type manual pipe cleaner

Red lacquered metal pay-off drum for quick cable storage. Locking screw.

Ergonomic black lacquered wooden handle

Supplied with a pair of gloves.

Ø hose mm	Ø cable mm	L cable m	kg	code
25-50	6,35	7,50	2,075	V290600



Basin wrench

For washbasins and mixers with nut-fixing.

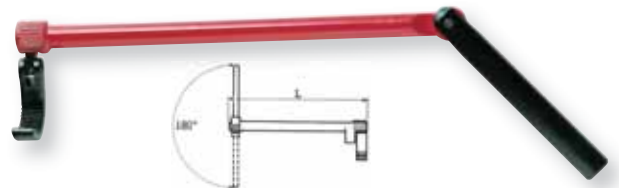
Hollow shaft, 25 mm length.

Hollow end for hexagonal nuts 13 mm.

Supplied with adapters:

9,10, 11, 12,14,17 mm

capacity mm	Kg	code
9-10-11-12-13-14-17	0,350	V261470



Reversible Sanicrom® basin wrench

For nuts and connections on washbasins, bathtubs, sinks or bidets.

Direction of rotation reversed by pivoting the jaw without removing it from the tool.

Designed for tightening and loosening in difficult-to-reach locations.

Self-tightening jaw designed.

capacity "	Kg	code
1,1/2	0,565	V261420



Folding portable stand

Very sturdy angle-section legs.
Supplied without vice

H mm	P mm	P1 mm	kg	code
900	870	500	17,000	V200500



Single chain vice

Presetting screw. V-shaped pipe holder. Forged cam locking handle for immediate clamping. High-strength hardened steel chain. High yield malleable cast iron vice.

A tube "	A tube mm	kg	code
1/8-4	10-114	4,3000	V200340



Vice Etaugriff®

Trapezoidal thread screw. High yield malleable cast iron vice.
Reversible frame for obtaining the best working position on workbench, tripod or table.
Hardened steel jaws.
V-shaped pipe holder.



A tube "	A tube mm	kg	code
1/8-2	10-60	3,700	V200200
1/4-3	13-90	6,400	V200210



Professional friger with eccentric-mounted turn-pin

for an impeccable finish and a perfect seal.
End-of-travel release system for smoothing the flange.
Feed screw fitted with a large handle for minimum effort.

Capacity on annealed Copper pipe:

45° tapered flange: Ø 3/16" a 3/4" OD.
Precision tool for forming flanges on Copper refrigeration pipes.
Supplied in a plastic case containing die and yoke.

Ø external tube "	kg	code
3/16- 1/4- 5/16- 3/8- 1/2- 5/8- 3/4	1,970	V250580



Flaring set for Copper

Reduced operating efforts thanks to:

- efficient demultiplication mechanism
- long, rigid arms
- tapered expansion pointe;

Lightweight alloy pliers (less than 800 gr) and high-strength T-profile handles.

Quick-change expander heads.

Ergonomic polypropylene grips solvents and grease-resistant.

Ø expansions	kg	code
12-14-16-18-22 mm	2,120	V252641



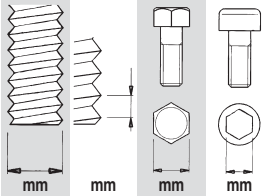
Spare expansion tool

Ø external mm	code
10	V252602
12	V252603
14	V252604
16	V252606
18	V252607
22	V252609

CONVERSION TABLE FROM INCHES INTO MILLIMETERS

0"		1"		2"		3"		4"		5"		6"		7"		8"		inches	
+	=	+	=	+	=	+	=	+	=	+	=	+	=	+	=	+	=	=	=
	mm		mm		mm		mm		mm		mm		mm		mm		mm		mm
1/64	0,397	0	25,400	0	50,800	0	76,200	0	101,600	0	127,000	0	152,400	0	177,800	0	203,200	9	228,6
1/32	0,794	1/64	25,797	1/64	51,197	1/64	76,597	1/64	101,997	1/64	127,397	1/64	152,797	1/64	178,197	1/64	203,597	10	254,0
3/64	1,191	1/32	26,194	1/32	51,594	1/32	76,994	1/32	102,394	1/32	127,794	1/32	153,194	1/32	178,594	1/32	203,994	11	279,4
1/20	1,270	3/64	26,591	3/64	51,991	3/64	77,391	3/64	102,791	3/64	128,191	3/64	153,591	3/64	178,991	3/64	204,391	12	304,8
1/16	1,588	1/16	26,988	1/16	52,388	1/16	77,788	1/16	103,188	1/16	128,588	1/16	153,988	1/16	179,388	1/16	204,788	13	330,2
5/64	1,984	5/64	27,384	5/64	52,784	5/64	78,184	5/64	103,584	5/64	128,984	5/64	154,384	5/64	179,784	5/64	205,184	14	355,6
3/32	2,381	3/32	27,781	3/32	53,181	3/32	78,581	3/32	103,981	3/32	129,381	3/32	154,781	3/32	180,181	3/32	205,581	15	381,0
7/64	2,778	7/64	28,178	7/64	53,578	7/64	78,978	7/64	104,378	7/64	129,778	7/64	155,178	7/64	180,578	7/64	205,978	16	406,4
1/8	3,175	1/8	28,575	1/8	53,975	1/8	79,375	1/8	104,775	1/8	130,175	1/8	155,575	1/8	180,975	1/8	206,375	17	431,8
9/64	3,572	9/64	28,972	9/64	54,372	9/64	79,772	9/64	105,172	9/64	130,572	9/64	155,972	9/64	181,372	9/64	206,772	18	457,2
5/32	3,969	5/32	29,369	5/32	54,769	5/32	80,169	5/32	105,569	5/32	130,969	5/32	156,369	5/32	181,769	5/32	207,169	19	482,6
11/64	4,366	11/64	29,766	11/64	55,166	11/64	80,566	11/64	105,966	11/64	131,366	11/64	156,766	11/64	182,166	11/64	207,566	20	508,0
3/16	4,762	3/16	30,162	3/16	55,562	3/16	80,962	3/16	106,362	3/16	131,762	3/16	157,163	3/16	182,563	3/16	207,963	21	533,4
13/64	5,159	13/64	30,559	13/64	55,959	13/64	81,359	13/64	106,759	13/64	132,159	13/64	157,559	13/64	182,959	13/64	208,359	22	558,8
7/32	5,556	7/32	30,956	7/32	56,356	7/32	81,756	7/32	107,156	7/32	132,556	7/32	157,956	7/32	183,356	7/32	208,756	23	584,2
15/64	5,953	15/64	31,353	15/64	56,753	15/64	82,153	15/64	107,553	15/64	132,953	15/64	158,353	15/64	183,753	15/64	209,153	24	609,6
1/4	6,350	1/4	31,750	1/4	57,150	1/4	82,550	1/4	107,950	1/4	133,350	1/4	158,750	1/4	184,150	1/4	209,550	25	635,0
17/64	6,747	17/64	32,147	17/64	57,547	17/64	82,947	17/64	108,347	17/64	133,747	17/64	159,147	17/64	184,547	17/64	209,947	26	660,4
9/32	7,144	9/32	32,544	9/32	57,944	9/32	83,344	9/32	108,744	9/32	134,144	9/32	159,544	9/32	184,944	9/32	210,344	27	685,8
19/64	7,541	19/64	32,941	19/64	58,341	19/64	83,741	19/64	109,141	19/64	134,541	19/64	159,941	19/64	185,341	19/64	210,741	28	711,2
5/16	7,938	5/16	33,338	5/16	58,738	5/16	84,138	5/16	109,538	5/16	134,938	5/16	160,338	5/16	185,738	5/16	211,138	29	736,6
21/64	8,334	21/64	33,734	21/64	59,134	21/64	84,534	21/64	109,934	21/64	135,334	21/64	160,734	21/64	186,134	21/64	211,534	30	762,0
11/32	8,731	11/32	34,131	11/32	59,531	11/32	84,931	11/32	110,331	11/32	135,731	11/32	161,131	11/32	186,531	11/32	211,931	31	787,4
23/64	9,128	23/64	34,528	23/64	59,928	23/64	85,328	23/64	110,728	23/64	136,128	23/64	161,528	23/64	186,928	23/64	212,328	32	812,8
3/8	9,525	3/8	34,925	3/8	60,325	3/8	85,725	3/8	111,125	3/8	136,525	3/8	161,925	3/8	187,325	3/8	212,725	33	838,2
25/64	9,922	25/64	35,322	25/64	60,722	25/64	86,122	25/64	111,522	25/64	136,922	25/64	162,322	25/64	187,722	25/64	213,122	34	863,6
13/32	10,319	13/32	35,719	13/32	61,119	13/32	86,519	13/32	111,919	13/32	137,319	13/32	162,719	13/32	188,119	13/32	213,519	35	889,0
27/64	10,716	27/64	36,116	27/64	61,516	27/64	86,916	27/64	112,316	27/64	137,716	27/64	163,116	27/64	188,516	27/64	213,916	36	914,4
7/16	11,112	7/16	36,512	7/16	61,912	7/16	87,312	7/16	112,712	7/16	138,112	7/16	163,512	7/16	188,912	7/16	214,312	37	939,8
29/64	11,509	29/64	36,909	29/64	62,309	29/64	87,709	29/64	113,109	29/64	138,509	29/64	163,909	29/64	189,309	29/64	214,709	38	965,2
15/32	11,906	15/32	37,306	15/32	62,706	15/32	88,106	15/32	113,506	15/32	138,906	15/32	164,306	15/32	189,706	15/32	215,106	39	990,6
31/64	12,303	31/64	37,703	31/64	63,103	31/64	88,503	31/64	113,903	31/64	139,303	31/64	164,703	31/64	190,103	31/64	215,503	40	1016,0
1/2	12,700	1/2	38,100	1/2	63,500	1/2	88,900	1/2	114,300	1/2	139,700	1/2	165,100	1/2	190,500	1/2	215,900	41	1041,4
33/64	13,097	33/64	38,497	33/64	63,897	33/64	89,297	33/64	114,697	33/64	140,097	33/64	165,497	33/64	190,897	33/64	216,297	42	1066,8
17/32	13,494	17/32	38,894	17/32	64,294	17/32	89,694	17/32	115,094	17/32	140,494	17/32	165,894	17/32	191,294	17/32	216,694	43	1092,2
35/64	13,891	35/64	39,291	35/64	64,691	35/64	90,091	35/64	115,491	35/64	140,891	35/64	166,291	35/64	191,691	35/64	217,091	44	1117,6
9/16	14,288	9/16	39,688	9/16	65,088	9/16	90,488	9/16	115,888	9/16	141,288	9/16	166,688	9/16	192,088	9/16	217,488	45	1143,0
37/64	14,684	37/64	40,084	37/64	65,484	37/64	90,884	37/64	116,284	37/64	141,684	37/64	167,084	37/64	192,484	37/64	217,884	46	1168,4
19/32	15,081	19/32	40,481	19/32	65,881	19/32	91,281	19/32	116,681	19/32	142,081	19/32	167,481	19/32	192,881	19/32	218,281	47	1193,8
39/64	15,478	39/64	40,878	39/64	66,278	39/64	91,678	39/64	117,078	39/64	142,478	39/64	167,878	39/64	193,278	39/64	218,678	48	1219,2
5/8	15,875	5/8	41,275	5/8	66,675	5/8	92,075	5/8	117,475	5/8	142,875	5/8	168,275	5/8	193,675	5/8	219,075	49	1244,6
41/64	16,272	41/64	41,672	41/64	67,072	41/64	92,472	41/64	117,872	41/64	143,272	41/64	168,672	41/64	194,072	41/64	219,472	50	1270,0
21/32	16,669	21/32	42,069	21/32	67,469	21/32	92,869	21/32	118,269	21/32	143,669	21/32	169,069	21/32	194,469	21/32	219,869	51	1295,4
43/64	17,066	43/64	42,466	43/64	67,866	43/64	93,266	43/64	118,666	43/64	144,066	43/64	169,466	43/64	194,866	43/64	220,266	52	1320,8
11/16	17,462	11/16	42,862	11/16	68,262	11/16	93,662	11/16	119,062	11/16	144,462	11/16	169,862	11/16	195,262	11/16	220,662	53	1346,2
45/64	17,859	45/64	43,259	45/64	68,659	45/64	94,059	45/64	119,459	45/64	144,859	45/64	170,259	45/64	195,659	45/64	221,059	54	1371,6
23/32	18,256	23/32	43,656	23/32	69,056	23/32	94,456	23/32	119,856	23/32	145,256	23/32	170,656	23/32	196,056	23/32	221,456	55	1397,0
47/64	18,653	47/64	44,053	47/64	69,453	47/64	94,853	47/64	120,253	47/64	145,653	47/64	171,053	47/64	196,453	47/64	221,853	56	1422,4
3/4	19,050	3/4	44,450	3/4	69,850	3/4	95,250	3/4	120,650	3/4	146,050	3/4	171,450	3/4	196,850	3/4	222,250	57	1447,8
49/64	19,447	49/64	44,847	49/64	70,247	49/64	95,647	49/64	121,047	49/64	146,447	49/64	171,847	49/64	197,247	49/64	222,647	58	1473,2
25/32	19,844	25/32	45,244	25/32	70,644	25/32	96,044	25/32	121,444	25/32	146,844	25/32	172,244	25/32	197,644	25/32	223,044	59	1498,6
51/64	20,241	51/64	45,641	51/64	71,041	51/64	96,441	51/64	121,841	51/64	147,241	51/64	172,641	51/64	198,041	51/64	223,441	60	1524,0
13/16	20,638	13/16	46,038	13/16	71,438	13/16	96,838	13/16	122,238	13/16	147,638	13/16	173,038	13/16	198,438	13/16	223,838	61	1549,4
53/64	21,034	53/64	46,434	53/64	71,834	53/64	97,234	53/64	122,634	53/64	148,034	53/64	173,434	53/64	198,834	53/64	224,234	62	1574,8
27/32	21,431	27/32	46,831	27/32	72,231	27/32	97,631	27/32	123,031	27/32	148,431	27/32	173,831	27/32	199,231	27/32	224,631	63	1600,2
55/64	21,828	55/64	47,228	55/64	72,628	55/64	98,028	55/64	123,428	55/64	148,828	55/64	174,228	55/64	199,628	55/64	225,028	64	1625,6
7/8	22,225	7/8	47,625	7/8	73,025	7/8													

PRELOADINGS AND TORQUE DATA

BOLTS AND NUTS CLASSES (METRIC THREADS, TRIANGULAR SHAPE, HIGH PITCH)																								
	4,8				5,8				6,8															
	friction coefficient 0,10		friction coefficient 0,15		friction coefficient 0,20		friction coefficient 0,10		friction coefficient 0,15		friction coefficient 0,20		friction coefficient 0,10		friction coefficient 0,15		friction coefficient 0,20		friction coefficient 0,10		friction coefficient 0,15		friction coefficient 0,20	
	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque
	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm
M 3	0,5	5,5	2,5	1221	0,5	1102	0,64	991	0,75	1508	0,62	1362	0,8	1224	0,92	1724	0,71	1556	0,91	1399	1,06			
M 4	0,7	7	3	2117	1,17	1909	1,48	1716	1,71	2615	1,44	2359	1,83	2120	2,11	2988	1,65	2696	2,09	2422	2,42			
M 5	0,8	8	4	3460	2,3	3126	2,93	2812	3,4	4275	2,85	3862	3,62	3473	4,2	4885	3,25	4414	4,14	3970	4,81			
M 6	1	10	5	4885	4,01	4410	5	3965	5,9	6034	4,95	5448	6,2	4898	7,2	6896	5,6	6226	7,1	5598	8,3			
M 8	1,25	13	6	8958	9,7	8097	12,3	7283	14,3	11066	11,9	10003	15,2	8997	17,7	12647	13,6	11432	17,4	10283	20			
M 10	1,5	16	8	14257	19,1	12896	24	11604	28	17612	23	15930	30	14334	35	20128	27	18206	34	16382	40			
M 12	1,75	18	10	20782	33	18806	42	16925	49	25672	40	23231	52	20908	60	29339	46	26550	59	23895	69			
M 14	2	21	12	28532	52	25828	67	23249	78	35245	65	31905	83	28719	97	40280	74	36463	95	32822	111			
M 16	2	24	14	39210	81	35569	105	32051	123	48436	100	43939	130	39592	152	55356	115	50216	148	45248	174			
M 18	2,5	27	14	47707	113	43207	145	35901	169	58932	139	53373	179	48054	209	67351	159	60998	205	54919	239			
M 20	2,5	30	17	61267	159	55578	206	50079	241	75682	196	68655	254	61863	298	86494	225	78463	291	70700	341			
M 22	2,5	34	17	76512	217	69503	283	62671	332	94515	269	85857	350	77418	411	108017	307	98123	400	88478	470			
M 24	3	36	19	88224	274	80032	354	72114	415	108983	338	98863	438	89083	513	124552	387	112986	500	101809	586			
M 27	3	41	19	116045	403	105448	525	95098	617	143350	498	130259	649	117474	762	163829	569	148868	741	134257	871			
M 30	3,5	46	22	141090	548	128118	712	115502	835	174287	677	158263	880	142679	1032	199185	773	180872	1005	163062	1180			
M 33	3,5	50	24	175760	741	159810	968	144171	1138	217116	915	197412	1195	178094	1406	248132	1046	225614	1366	203536	1607			
M 36	4	55	27	206303	953	187464	1242	169064	1459	254845	1177	231573	1534	208844	1803	291252	1346	264655	1754	238679	2060			
M 39	4	60		247823	1233	225432	1614	203418	1900	306135	1523	278474	1994	251282	2348	349868	1741	318257	2279	287179	2683			
M 42	4,5	65	32	283685	1527	257933	1995	232699	2346	350435	1887	318624	2464	287452	2898	400497	2156	364141	2816	328516	3312			
M 45	4,5	70		332033	1905	302161	2497	272726	2943	410158	2353	373258	3085	336897	3635	468752	2690	426580	3525	385025	4154			
M 48	5	75	36	373155	2303	339467	3013	306364	3548	460956	2845	419342	3722	378449	4383	526807	3251	479248	4254	432514	5009			
M 52	5	80		447673	2955	407642	3882	368064	4579	553008	3651	503558	4795	454668	5657	632009	4172	575495	5480	519620	6465			
M 56	5,5	85	41	516980	3689	470528	4839	424704	5705	638822	4557	581240	5978	524635	7048	729854	5208	664275	6832	599582	8054			
M 60	5,5	90		603945	4570	550138	6013	496782	7102	746050	5645	679583	7428	613672	8772	852629	6451	776666	8490	701340	10026			
M 64	6	95	46	683166	5503	622164	7233	561767	8537	843911	6798	768556	8935	693947	10546	964470	7769	878350	10212	793082	12052			

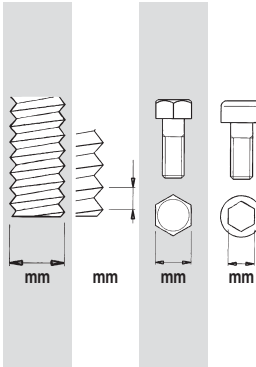
PRELOADINGS AND TORQUE DATA

BOLTS AND NUTS CLASSES (METRIC THREADS, TRIANGULAR SHAPE, HIGH PITCH)

8,8

10,9

12,9



	mm	mm	mm	mm	friction coefficient 0,10		friction coefficient 0,15		friction coefficient 0,20		friction coefficient 0,10		friction coefficient 0,15		friction coefficient 0,20		friction coefficient 0,10		friction coefficient 0,15		friction coefficient 0,20			
					Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque	Pre-loading	Torque
					N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm	N	Nm
M 3	0,5	5,5	2,5	2298	0,95	2075	1,21	1866	1,41	3376	1,4	3048	1,79	2740	2,07	3951	1,64	3567	2,09	3207	2,43			
M 4	0,7	7	3	3985	2,2	3594	2,78	3230	3,22	5853	3,23	5279	4,09	4744	4,74	6849	3,78	6178	4,79	5552	5,5			
M 5	0,8	8	4	6514	4,34	5886	5,5	5293	6,4	9568	6,3	8645	8,1	7774	9,4	11196	7,4	10116	9,5	9098	11			
M 6	1	10	5	9195	7,5	8302	9,5	7464	11,1	13506	11	12194	14	10962	16,3	15805	12,9	14269	16,4	12828	19,1			
M 8	1,25	13	6	16863	18,2	15242	23	13710	27	24768	26	22388	34	20137	39	28984	31	26198	40	23565	46			
M 10	1,5	16	8	26838	36	24275	46	21843	53	39418	52	35655	67	32082	78	46128	61	41724	79	37542	92			
M 12	1,75	18	10	39119	62	35401	79	31860	92	57457	91	51995	116	46795	136	67236	106	60845	136	54760	159			
M 14	2	21	12	63707	99	48618	127	43763	140	78882	145	71408	187	64277	218	92309	170	83563	219	75218	255			
M 16	2	24	14	73808	153	66955	198	60331	232	108406	225	98340	291	88611	341	126858	263	115079	341	103694	399			
M 18	2,5	27	14	92440	220	83746	283	75421	330	131897	313	119454	402	107549	469	154348	366	139787	471	125856	649			
M 20	2,5	30	17	119003	311	107941	402	97253	471	169385	440	153657	570	138456	667	198216	515	179811	667	162023	781			
M 22	2,5	34	17	148374	424	134806	552	121574	648	211534	602	192157	783	173269	920	247540	704	224865	917	202762	1077			
M 24	3	36	19	171437	534	155489	691	140084	809	243914	758	221266	981	199376	1148	285432	887	258928	1148	233313	1343			
M 27	3	41	19	225110	784	204577	1022	184517	1201	320832	1114	291534	1452	262920	1706	375442	1304	341157	1700	307672	1997			
M 30	3,5	46	22	274030	1067	248811	1387	224292	1628	390072	1515	354209	1969	319331	2311	456467	1773	414500	2305	373685	2704			
M 33	3,5	50	24	341347	1442	310343	1884	279953	2216	485926	2048	441828	2676	398593	3148	568637	2397	517033	3132	466438	3684			
M 36	4	55	27	400571	1855	363972	2418	328236	2840	570369	2636	518282	3435	467413	4036	667453	3085	606501	4020	546973	4723			
M 39	4	60		481158	2399	437669	3139	394919	3697	685159	3410	623253	4463	562393	5255	801782	3990	729339	5223	658119	6150			
M 42	4,5	65	32	550683	2965	500694	3872	451710	4554	784306	4223	713110	5515	643344	6486	917805	4941	834491	6453	752849	7690			
M 45	4,5	70		644534	3698	586548	4847	529410	5712	917973	5267	835386	6903	754008	8136	1074223	6164	977579	8079	882350	9620			
M 48	5	75	36	724359	4470	658966	5849	594706	6887	1031663	6367	938528	8330	847006	9809	1207265	7450	1098277	9748	991177	11476			
M 52	5	80		869013	5737	791306	7535	714478	8889	1237685	8171	1127011	10731	1017590	12661	1448354	9562	1318843	12558	1190797	14816			
M 56	5,5	85	41	1003549	7161	913378	9394	824426	11075	1429298	10199	1300871	13379	1174182	15773	1672582	11935	1522296	15656	1374043	18458			
M 60	5,5	90		1172365	8871	1067916	11673	964342	13785	1669732	12634	1520971	16625	1373457	19634	1953941	14785	1779860	19455	1607237	22976			
M 64	6	95	46	1326146	10683	1207731	14041	1090488	16572	1888753	15215	1720102	19998	1553119	23603	2210243	17805	2012885	23402	1817480	27620			

ELIMINATED ITEMS - SUGGESTED REPLACEMENTS

FROM PRICE LIST 51/2010 TO PRICE LIST 52/2011

ELIMINATED ITEM	ELIMINATED CODE	NEW ITEM	NEW CODE	REPLACEMENT ITEM	SUGGESTED CODE	ELIMINATED ITEM	ELIMINATED CODE	NEW ITEM	NEW CODE	REPLACEMENT ITEM	SUGGESTED CODE
094 0,4X2,5X50	00940003	092 0,4X2,5X50	00920003			255 K 14X15	02550026				
094 0,4X2,5X75	00940004	092 0,4X2,5X75	00920004			255 K 16X18	02550027				
094 0,5X3X75	00940005	092 0,5X3X75	00920005			255 K 17X19	02550028				
094 0,6X3,5X100	00940007	092 0,6X3,5X100	00920007			255 K 8X9	02550023				
094 0,6X3,5X75	00940006	092 0,6X3,5X75	00920006			255 K/SE6	02550071				
094 0,8X4X100	00940008	092 0,8X4X100	00920008			280 DN 1,5	02800201	280 D 1,5	02800221		
094 0,8X4X125	00940009	092 0,8X4X150	00920009			280 DN 2	02800202	280 D 2	02800222		
094 1,2X6,5X150	00940012	092 1,2X6,5X150	00920012			280 DN 2,5	02800203	280 D 2,5	02800223		
094 1,2X8X150	00940013	092 1,2X8X150	00920013			280 DN 3	02800204	280 D 3	02800224		
094 1,6X10X200	00940014	092 1,6X10X200	00920014			280 DN 4	02800206	280 D 4	02800226		
094 1X5,5X125	00940010	092 1X5,5X125	00920010			280 DN 5	02800208	280 D 5	02800228		
094 1X5,5X150	00940011	092 1X5,5X150	00920011			280 DN 6	02800210	280 D 6	02800230		
094 PH 0X60	00940023	092 PH 0X75	00920023			280 NTS 2,5	02800240	280 TS 2,5	02800260		
094 PH 1X80	00940025	092 PH 1X100	00920025			280 NTS 3	02800241	280 TS 3	02800261		
094 PH 2X100	00940027	092 PH 2X125	00920027			280 NTS 4	02800243	280 TS 4	02800263		
094 PH 3X150	00940029	092 PH 3X150	00920029			280 NTS 5	02800245	280 TS 5	02800265		
094 PH 4X200	00940031	092 PH 4X200	00920031			280 NTS 6	02800247	280 TS 6	02800267		
094 PH/SE4	00940101					322 B	03220002			322 F	322401
094 PZ 0X60	00940040	092 PZ 0X75	00920040			323 0,4X2,5X50	323001	322 D 0,4x2x50	03220025		
094 PZ 1X80	00940042	092 PZ 1X100	00920042			323 0,4X2,5X75	323002	322 0,4x2,5x75	03220005		
094 PZ 2X100	00940044	092 PZ 2X125	00920044			323 0,5X3X100	323004	322 0,5x3x100	03220007		
094 PZ 3X150	00940046	092 PZ 3X150	00920046			323 0,5X3X75	323003	322 0,5x3x75	03220006		
094 PZB 1X100	00940052	092 PZB 1X100	00920052			323 0,8X4X100	323006	322 0,8x4x100	03220008		
094 PZB 2X125	00940054	092 PZB 2X125	00920054			323 0,8X4X125	323007	322 0,8x4x125	03220009		
094 PZB/SE2 100	00940082	092 PZB/SE2	00920121			323 0,8X4X150	323008				
094 SE6	00940100					323 1,2X6,5X125	323013	322 1,2x6,5x125	03220014		
150 B 160	150053	150 A 160	150051			323 1,2X6,5X150	323014	322 1,2x6,5x150	03220015		
197 180	197004			199/190	199010	323 1,6X10X200	323017	322 1,6x10x200	03220023		
197 200	197005			199/190	199010	323 1,6X8X150	323015				
197 250	197006			199/250	199013	323 1,6X8X175	323016	322 1,6x8x175	03220017		
207 S	207002	207 A	207101			323 1X5,5X100	323009	322 1x5,5x100	03220011		
208 S	208002	208 A	208101			323 1X5,5X125	323010	322 1x5,5x125	03220012		
218	02180001					323 1X5,5X150	323011				
233 1/2 PS 6L1	02332062					323 2X12X250	323018	322 2x12x250*	03220024		
233 1/2 PS 7L1	02332065					323 N 0,8X4X30	323086	322 N 0,8x4x30	03220063		
233 1/2 PS 8L1	02332070					323 N 1,2X6,5X3	323088	322 N 1,2x6,5x3	03220065		
235 1 EN 36	02354104					323 N 1X5,5X30	323087	322 N 1x5,5x30	03220064		
235 1 N 36	02354004					323 NPH 1X30	323091	322 NPH 1x30	03220068		
235 1 N 41	02354006			235 1 EN 41	02354106	323 NPH 2X30	323092	322 NPH 2x30	03220069		
235 1 N 46	02354008			235 1 EN 46	02354108	323 NR 1X6-PH2	323098				
235 1 N 50	02354010			235 1 EN 50	02354110	323 PH 0X100	323027	322 PH 0x75	03220039		
235 1 N 55	02354012			235 1 EN 55	02354112	323 PH 0X60	323026				
235 1 N 60	02354013			235 1 EN 60	02354113	323 PH 1X125	323029	322 PH 1x100	03220041		
235 1 N 70	02354015			235 1 EN 70	02354115	323 PH 1X80	323028				
235 1 N 75	02354016			235 1 EN 75	02354116	323 PH 2X100	323031				
235 1 N 80	02354017			235 1 EN 80	02354117	323 PH 2X150	323032	322 PH 2x125	03220043		
235 3/4 EN 37	02353122					323 PH 3X150	323034	322 PH 3x150*	03220047		
235 3/4 EN 60	02353133					323 PH/SE4	323515				
235 3/4 EPN 7/8	02353154			235 3/4 PN 7/8	02353054	323 PH/SE7	323517				
235 3/4 EPN 15/16	02353156			235 3/4 PN 15/16	02353056	323 PZ 0X60	323041	322 PZ 0x75	03220056		
235 3/4 EPN1	02353157			235 3/4 PN1	02353057	323 PZ 1X80	323042	322 PZ 1x100	03220057		
235 3/4 EPN1 1/16	02353158			235 3/4 PN1 1/16	02353058	323 PZ 2X100	323043	322 PZ 2x125	03220058		
235 3/4 EPN1 1/2	02353167			235 3/4 PN1 1/2	02353067	323 R 1X6-PH2	323097	322 R	03220097		
235 3/4 EPN1 1/4	02353161			235 3/4 PN1 1/4	02353061	323 S10	323507	322 SH10	03220255		
235 3/4 EPN1 1/8	02353159			235 3/4 PN1 1/8	02353059	323 S7	323506	322 SH7	03220254		
235 3/4 EPN1 11/16	02353173			235 3/4 PN1 11/16	02353073	323 SE10	323516				
235 3/4 EPN1 13/16	02353176			235 3/4 PN1 13/16	02353076	323 SE6	323514				
235 3/4 EPN1 3/4	02353174			235 3/4 PN1 3/4	02353074	323 STX/S7	323509	322 STX/S7	03220263		
235 3/4 EPN1 3/8	02353165			235 3/4 PN1 3/8	02353065	323 STX/SE7	323537				
235 3/4 EPN1 5/16	02353163			235 3/4 PN1 5/16	02353063	323 STX/SV7	0323505				
235 3/4 EPN1 5/8	02353171			235 3/4 PN1 5/8	02353071	323 STX/T10X75	323205	322 STX T10x75	03220086		
235 3/4 EPN1 7/16	02353166			235 3/4 PN1 7/16	02353066	323 STX/T15X75	323206	322 STX T15x75	03220087		
235 3/4 EPN1 7/8	02353177			235 3/4 PN1 7/8	02353077	323 STX/T20X100	323207	322 STX T20x100	03220088		
235 3/4 EPN2	02353180			235 3/4 PN2	02353080	323 STX/T25X100	323208	322 STX T25x100	03220089		
235 3/4 EPN2 1/16	02353181					323 STX/T27X115	323209	322 STX T27x100	03220090		
235 3/4 N 37	02353022					323 STX/T30X115	323210	322 STX T30x125	03220091		
235 3/4 N 60	02353033					323 STX/T40X130	323211	322 STX T40x125	03220092		
255 DSV6	02550109					323 SV10	0323507				
255 K 10X11	02550024					323 SV7	0323506				
255 K 12X13	02550025					324 A 0,4X2,5X75	03240200				

ELIMINATED ITEMS - SUGGESTED REPLACEMENTS

FROM PRICE LIST 51/2010 TO PRICE LIST 52/2011

ELIMINATED ITEM	ELIMINATED CODE	NEW ITEM	NEW CODE	REPLACEMENT ITEM	SUGGESTED CODE	ELIMINATED ITEM	ELIMINATED CODE	NEW ITEM	NEW CODE	REPLACEMENT ITEM	SUGGESTED CODE
324 A 0,6X3,5X75	03240201					325 PZ 2X100	03250073	324 PZ 2X100	03240058		
324 A 0,8X4X100	03240203					325 S10	03250682				
324 A 1,2X6,5X150	03240210					325 S7	03250680				
324 A 1X5,5X150	03240207					325 SE10	03250652	324 SH10	03240255		
324 A/SH7	03240230					325 SE6	03250650	324 SE6	03240252		
324 APH 1X100	03240221					325 SH8	03251010	324 SH8	03240250		
324 APH 2X125	03240223					325 STX T10X75	03250116	324 STX T10X75	03240086		
325 0,4X2,5X75	03250001					325 STX T15X75	03250117	324 STX T15X75	03240087		
325 0,5X3X100	03250002					325 STX T20X100	03250118	324 STX T20X100	03240088		
325 0,5X3X75	03250003	324 0,5X3X100	03240002			325 STX T25X100	03250119	324 STX T25X100	03240089		
325 0,8X4X100	03250005	324 0,8X4X100	03240003			325 STX T27X115	03250120	324 STX T27X115	03240090		
325 0,8X4X125	03250006	324 0,8X4X125	03240004			325 STX T30X115	03250121	324 STX T30X125	03240091		
325 0,8X4X150	03250014	324 0,8X4X150	03240005			325 STX T40X130	03250122	324 STX T40X150	03240092		
325 1,2X6,5X125	03250009	324 1,2X6,5X125	03240009			325 STX/SE7	03250660	324 STX/S7	03240093		
325 1,2X6,5X150	03250010	324 1,2X6,5X150	03240010			325 TX T10X75	03250104	324 TX T10X75	03240075		
325 1,6X8X150	03250011					325 TX T15X75	03250105	324 TX T15X75	03240076		
325 1,6X8X175	03250012	324 1,2X8X200	03240011			325 TX T20X100	03250106	324 TX T20X100	03240077		
325 1X5,5X100	03250015	324 1X5,5X100	03240006			325 TX T25X100	03250107	324 TX T25X100	03240078		
325 1X5,5X125	03250007	324 1X5,5X125	03240007			325 TX T27X115	03250108	324 TX T27X100	03240079		
325 1X5,5X150	03250008	324 1X5,5X150	03240008			325 TX T30X115	03250109	324 TX T30X125	03240080		
325 D 0,4X2,5X50	03250020	324 D 0,4X2,5X50	03240026			325 TX T40X130	03250110	324 TX T40X150	03240081		
325 D 0,5X3X75	03250021	324 D 0,5X3X75	03240027			325 TX T45X130	03250111				
325 D 0,6X3,5X100	03250022	324 D 0,6X3,5X100	03240028			325 TX T6X50	03250100	324 TX T 6X50	03240071		
325 D 0,8X4X100	03250023	324 D 0,8X4X100	03240029			325 TX T7X50	03250101	324 TX T 7X50	03240072		
325 D 0,8X4X150	03250024	324 D 0,8X4X150	03240030			325 TX T8X60	03250102	324 TX T 8X50	03240073		
325 D 1,2X6,5X150	03250027	324 D 1,2X6,5X150	03240033			325 TX T9X60	03250103	324 TX T 9X75	03240074		
325 D 1X5,5X125	03250025	324 D 1X5,5X125	03240031			325 TX/SE12	03250662	324 TX/S11	03240266		
325 D 1X5,5X150	03250026	324 D 1X5,5X150	03240032			417/150	417101			420/200	420000
325 E 1,2X6,5X150	03250030	324 E 1,2X6,5X150	03240096			417/250	417102			420/300	420001
325 E 1,2X8X150	03250031	324 E 1,2X8X175	03240097			447 P	447005			447 T	04470101
325 E 1,6X10X200	03250033	324 E 1,6X10X175	03240099			447 P/SE3	447004				
325 E 1,6X8X175	03250032	324 E 1,6X8X175	03240098			447 P/SE4	447003				
325 E 2X12X250	03250034	324 E 2X12X250	03240100			447 P1	447011				
325 EPH 2X100	03250063	324 EPH 2X125	03240104			447 P2	447012				
325 EPH 3X150	03250064	324 EPH 3X150	03240105			447 P3	447013				
325 EPH 4X200	03250065	324 EPH 4X200	03240106			447 P5	447015				
325 EPZ 2X100	03250078	324 EPZ 2X125	03240110			447 PA	447016				
325 EPZ 3X150	03250079	324 EPZ 3X150	03240111			474 K1	Q474021				
325 EPZ 4X200	03250080	324 EPZ 4X200	03240112			474 K2	Q474022				
325 K 0,6X3,5X75	03250507					474 K3	Q474023				
325 K 0,8X4X100	03250510	324 E 0,8X4X100	03240116			474 K4	Q474024				
325 K 1,2X6,5X150	03250516					474 K5	Q474025				
325 K 1,6X8X175	03250518					474 K6	Q474026				
325 K 1X5,5X125	03250513	324 E 1X5,5X125	03240117			474 S2	474013				
325 K/SE6	03250664					474/1	474001				
325 KPH 1X100	03250530	324 EPH 1X100	03240121			474/2	474003				
325 KPH 2X125	03250533					474 S1	474011				
325 KPH 3X150	03250535					485 K1	04850080				
325 L 0,4X2,5X200	03250040					5003/150A	50031044				
325 L 0,6X3,5X250	03250041	324 L 0,6X3,5X250	03240019			5003/150AV	Q50030044				
325 L 0,8X4X300	03250042	324 L 0,8X4X300	03240020			5003/325H	50031050				
325 L 1X5,5X350	03250043	324 L 1X5,5X300	03240021			5003/325HV	Q50030050				
325 LPH 1X250	03250067	324 LPH 1X250	03240050			511 NA	05110031				
325 LPH 2X250	03250068	324 LPH 2X250	03240051			511 NV	05110030				
325 N 0,8X4X30	03250127	324 N 0,8X4X35	03240063			519 M 127	05190807				
325 N 1,2X6,5X30	03250129	324 N 1,2X6,5X35	03240065			519 M 127V	Q05190401				
325 N 1X5,5X30	03250128	324 N 1X5,5X35	03240064			519 M 150A	05190808				
325 NPH 1X30	03250133	324 NPH 1X35	03240068			519 M 150AV	Q05190402				
325 NPH 2X30	03250134	324 NPH 2X35	03240069			519 M 276	05190816				
325 PH 0X100	03250052	324 PH 0X75	03240039			519 M 276V	Q05190423				
325 PH 0X60	03250051					519 M 285A	05190845				
325 PH 1X125	03250054	324 PH 1X100	03240041			519 M 285AV	Q05190437				
325 PH 1X80	03250053	324 PH 1X75	03240040			519 M 285B	05190822				
325 PH 2X100	03250055	324 PH 2X100	03240042			519 M 285BV	Q05190407				
325 PH 2X150	03250056	324 PH 2X125	03240043			519 M 325H	05190829				
325 PH 3X150	03250058	324 PH 3X150	03240044			519 M 325HV	Q05190431				
325 PH/SE4	03250654	324 PH/SE4	03240268			519 M 366	05190832				
325 PZ 0X60	03250071	324 PZ 0X75	03240056			519 M 366V	Q05190412				
325 PZ 1X80	03250072	324 PZ 1X75	03240057			519 M 382	05190833				
						519 M 382V	Q05190418				

ELIMINATED ITEMS - SUGGESTED REPLACEMENTS

FROM PRICE LIST 51/2010 TO PRICE LIST 52/2011

ELIMINATED ITEM	ELIMINATED CODE	NEW ITEM	NEW CODE	REPLACEMENT ITEM	SUGGESTED CODE	ELIMINATED ITEM	ELIMINATED CODE	NEW ITEM	NEW CODE	REPLACEMENT ITEM	SUGGESTED CODE
519 M 613A	05190835					711 8	711006				
519 M 613AV	Q05190415					711 F 4	711103				
519 M 613C	05190839					711 F 5	711104				
519 M 613CV	Q05190413					713 10	713006				
519 RA6	05190212					713 5	713003				
519 RX5A	05190301					713 6	713004				
519 RX5AP	05190304					713 8	713005				
519 RX5GV	05190225					713 F 5	713103				
519 RX5I	05190303					713 F 6	713104				
519 RX5IP	05190305					716	716001				
519 RX5V	05190213	519 RACING R5/3V	05190413			717	717001				
519 RX6A	05190308					718	718001				
519 RX6GV	05190226					719 2,8	719002				
519 RX6I	05190313					719 6,3	719004				
519 RX6V	05190214	519 RACING R6/3V	05190414			720	720001				
519 RX7A	05190315					721	721001				
519 RX7AP	05190318					722	722001				
519 RX7C	05190316					723	723001				
519 RX7GV	05190227					724	724001				
519 RX7I	05190320					725	725001				
519 RX7IP	05190321					726	726001				
519 RX7V	05190215	519 RACING R7/3V	05190415			728	728001				
519 RX8A	05190322					729	729001				
519 RX8GV	05190228					730	730001				
519 RX8I	05190327					731	731001				
519 RX8V	05190216	519 RACING R8/3V	05190416			734/100	734001				
519/094	Q05190336					735/100	735001				
519/094H	05190711	519/092 H	05190771			736/100	736001				
519/325	Q05190331					740	740001				
519/325	Q05190332					745	745001				
519/325H	05190738	519/324 H	05190774			758	758081				
519/325TX	05190739	519/324 TX	05190775			759	759001				
519/325ZN	05190769					760	760003				
522 RX4RV	05220046					764	764082				
522 RX4V	05220041					813 A 135	08130002				
542/2	542000					813 A 200	08130003				
542/4	542001					813 A 30	08130001				
545 TP	545002	545 PT	05450001			813 A 340	08130004				
547	547001					813 AE 135+CRIC	08130011				
690 1/4 S16	06900011			690 1/4 S26	06900013	813 AE 200+CRIC	08130013				
690 1/4 TX	Q690002					813 AE 30+CRIC	08130010				
690 1/4 TX S12	06900012					813 AE 340+CRIC	08130014				
690 AN 1/4	06900005	690 A 1/4 180	06900002			813 AER 135+CRIC	08130012				
692 1/4 TX	692083	692 STX/S11	06920026			827 N	08270100				
705 0,25	705003					870 A	08700001				
705 0,34	705004					878 A 15-28	08780004				
705 0,50	705005					878 A 25-55	08780005				
705 0,75	705006					878 A 8-15	08780003				
705 1	705007					892	892001				
705 1,5	705008					939 B	09390001	939 C1	09390004		
705 2,5	705009					939 CN	09390003	939 C1	09390004		
705 4	705010					1785	17850002				
705 6	705011					RMD 280 2 AS	10204372				
706 2X0,5	706005					RMD 280 CA H 60	10204345				
706 2X0,7	706006					RMD 280 CA H100	10204346				
706 2X1	706007					RMD 280 CA H140	10204347				
706 2X1,5	706008					RMD 280 CA H222	10204348				
706 2X2,5	706009					RMD 280 CA H303	10204349				
709 3	709003					RMD 280/1 AS	10204371				
709 4	709005					RMD 280/3 AS	10204373				
709 5	709006					RMD 280/4 AS	10204374				
709 F 3	709103					RMD 280/5 AS	10204375				
709 F 4	709105					RMD 280/6 AS	10204376				
709 F 5	709106					RMD 280/7 AS	10204377				
711 4	711003										
711 5	711004										
711 6	711005										

NEW items: products with the same characteristics of the cancelled items

SUGGESTED items: products with characteristics similar or slightly different from the cancelled ones but with the same functions

ALPHABETICAL INDEX

A			
Adapters, socket and bit holders	164	Clamps	197
Aligner, clutch disk	114	Clamps, valve lifter	105
Ammeter, clip-on	31	Compressors, piston rings	104
Assortment for alternators pulleys	204	Compressors, shock absorber springs	108
Assortment for brake pistons	205	Cooling system filler, vacuum	202
Assortments	116	Cutter, for welding spots	191
Assortments for bodywork	102	Cutters, Copper and Aluminium cables	38
		Cutters, for bolts	42
		Cutters, for steel cables	42
		Cutters, stepped	191
B		D	
Bag for tools	23	Dial indicators	188
Bags for electronics	22	Diesel injector removal kit	173
Bags for plumbers	24	Digital multimeters	30
Bags, roll-up	160	Dismantler, for shock absorbers	109
Bars, for carpenters	94	Dividers	188
Belt-tension gauge, universal	105	Dollies, for bodywork	99
Benders, for tubes	85	Drawer chests	149
Bit holders, with handgrip	165	Drifts	94
Bits, cone	191	Drill drifts	95
Bits, for manual, electrical and air tools	162	Drills, pneumatic	179
Booster, for cars	203		
Boxes, for tools	151	E	
Boxes, for tools	161	Electrotechnics maintenance bags	22
Brake bleeder	206	Extractor, for glowplugs	173
Brush, for spark plugs	196	Extractor, for tyre valves	103
Brushes	196	Extractors for broken bolts and stud bolts	112
Brushes, metal	195	Extractors, ball-joint	109
Burrs, rotary	192	Extractors, bolts and studs	111
		Extractors, for injectors	173
C		F	
Cabinets	135	File holder, adjustable	101
Cable reels	174	Files	193
Cable ties	168	Files, needle	194
Caliper, vernier	187	Filter regulator-lubricator, for airtools	185
Cases, for tools	151	Fittings, for airtools	185
Chasers, for dies	81	Flaring tools	84
Chisels	94		
Chisels, cross cut	94		
Chisels, extra flat	94		
Chisels, extra wide cutter	94		
Chisels, for masons	95		

G		Keys, T-handle, for Torx screws	72
Gas extractor	173	Keys, T-handle, hexagonal	72
Gauge, for belt tension	105	Knife, for boat maintenance	46
Gauges, screw pitch	187	Knife, for electricians	46
Goniometers, angle torque tightenings	171	Knives, utility	46
Grease pumps (lever type) and accessories	102		
Grinder, for valves	106		
Grinders, pneumatic	181	L	
Gun, blowing, pneumatic	182	Lamp, inspection	174
Gun, for hot glue	182	Lamp, LED	175
Gun, for silicon	182	Levels	190
Gun, for silicon, pneumatic	181	Lever, for pressure trims	104
Gun, heating (and accessories)	99	Lever, for windshields	103
		Levers	104
H			
Hacksaw frames	43	M	
Hammers	98	Mallets	97
Hammers, for bodywork	99	Mallets, sledge	97
Hammers, pneumatic	179	Mallets, with graphite handle	97
Hammers, with graphite handle	98	Micrometers	188
Hooks	152	Mirrors	28
Hose reels	187	Multimeters	30
Hoses, elastic	186		
Housing for manual threaders, ratchet-type	81	N	
Hydrometer, antifreeze	176	Nibbler, for steel cables	43
		Nippers, diagonal and end cutting	41
I		Nippers, for electronics	25
Impact wrenches	177	Nippers, for plastic materials	41
Instrument, for memory protection	203	Nippers, toggle joint	42
Instrument, for protecting the central power	203	Nut splitters	114
Insulating tape	29		
		O	
J		Oiler, pen type	28
Jack, bottle-type	204	Oilers	101
Jack, hydraulic	113		
Jack, hydraulic service	204		
		P	
K		Panel for tools	133
Keys, angled, for Torx screws	72	Pencil, for carpenters	189
Keys, angled, for XZN screws	73	Pincers	43
Keys, hexagonal, angled	68	Plasma airbox	198
Keys, hexagonal, angled, with handgrip	71	Pliers, adjustable	40
		Pliers, combination	38

Pliers, crimping	167	Ratchets, reversible 3/4"	56
Pliers, double-joint	34	Ratchets, reversible 3/8"	56
Pliers, extra-long nose	35	Refractometer	176
Pliers, for brake springs	106	Remover, for fuel gauge	108
Pliers, for cable ties	168	Remover, for windshields	181
Pliers, for cock nuts	40	Retrievers, flexible magnetic	106
Pliers, for Corbin clamps	171	Retrievers, flexible mechanical	27
Pliers, for cutting exhaust pipes	172	Riles, folding	189
Pliers, for electronics	24	Rivet tools	196
Pliers, for fuel hoses	171	Rivets in Aluminium	196
Pliers, for metal hose clamps	172	Roller cabinets	136
Pliers, for piston rings	105	Rules	189
Pliers, for rings	34		
Pliers, for spar plug caps	68		
Pliers, for terminals	167		
Pliers, for valve guide seals	172	S	
Pliers, lock-grip	36	Safety tools 1000V	31
Pliers, long nose	33	Sanders, pneumatic	180
Pliers, punching and folding panels	46	Saw, reciprocating, pneumatic	181
Pliers, revolving punch	39	Saws, hole	192
Pliers, safety-twist	39	Scissors, for electricians	45
Pliers, wheel weight	103	Scissors, multi-purpose	45
Protractors	188	Scissors, professional	45
Puller, for windshields	103	Scrapers	191
Pullers, 2 jaws, outside	111	Scrapers	191
Pullers, 3 jaws, inside	110	Scredrivers, for electronic tuning	27
Pullers, 3 jaws, outside	110	Screwdriver, circuit-testing	86
Pullers, expansion, inside	113	Screwdriver, impact	167
Pullers, for stud bolts	112	Screwdriver, impact	86
Pullers, for wheel hubs	110	Screwdriver, phase-testing	93
Pulley block, universal	105	Screwdrivers, bimaterial grip	86
Pulley extractors	105	Screwdrivers, for Allen screws	71
Pump, desoldering	28	Screwdrivers, for electronics	91
Pump, for diesel injection test	176	Screwdrivers, offset	91
Punches	39	Screwdrivers, pneumatic	179
Punches	95	Screwdrivers, precision	93
Punches, centre	96	Screwdrivers, trimaterial grip	88
Punches, for masons	95	Screwdrivers, with wooden grip	91
Punches, pin	95	Scribers	189
		Shears, for sheet steel	44
		Socket wrenches for splined screws (RIBE)	48
		Sockets and accessories 1 1/2", impact series	54
R		Sockets and accessories 1", impact series	54
Ratchet, pneumatic	178	Sockets and accessories 1", manual series	52
Ratchets, reversible 1/2"	56	Sockets and accessories 1/2", impact series	53
Ratchets, reversible 1/4"	56	Sockets and accessories 1/2", manual series	51



ALPHABETICAL INDEX - AUTOMOTIVE ITEMS



A		P	
Aligner, clutch disk	114	Pliers, double-joint	34
Ammeter, clip-on	31	Pliers, for brake springs	106
Assortment for alternators pulleys	204	Pliers, for Corbin clamps	171
Assortment for brake pistons	205	Pliers, for cutting exhaust pipes	172
Assortments for bodywork	102	Pliers, for fuel hoses	171
		Pliers, for metal hose clamps	172
		Pliers, for piston rings	105
		Pliers, for spar plug caps	68
		Pliers, for valve guide seals	172
		Pliers, punching and folding panels	46
		Pliers, wheel weight	103
		Puller, for windshields	103
		Pullers, for wheel hubs	110
		Pulley block, universal	105
		Pulley extractors	105
		Pump, for diesel injection test	176
		R	
		Refractometer	176
		Remover, for fuel gauge	108
		Remover, for windshields	181
		S	
		Socket wrenches for splined screws (RIBE)	48
		Sockets, for diesel engine injectors	174
		Sockets, for hub-nuts	64
		Sockets, for Lambda probes	172
		Soons	100
		Spoons, for tyres	104
		Stethoscope	176
		Suction pads	103
		T	
		Tester, compression, for diesel engines	202
		Tester, compression, for petrol engines	202
		Tester, for batteries	176
		Tester, for cooling system	202
		Tester, for fuel pressure	203
		Tester, for oil pressure	203
		Thermometer, infrared	203
		Thread repair kits	159
		Timing lights	177
		Timing tools	198
		W	
		Wrenches, cross-type	65
		Wrenches, for belt tension nuts	104
		Wrenches, for diesel injection-line	173
		Wrenches, for glowplugs	67
		Wrenches, for oil filters	107
		Wrenches, for oil plugs	64
		Wrenches, T-handle, wheel nuts	64
B			
Belt-tension gauge, universal	105		
Booster, for cars	203		
Brake bleeder	206		
Brush, for spark plugs	196		
C			
Clamps, valve lifter	105		
Compressors, piston rings	104		
Compressors, shock absorber springs	108		
Cooling system filler, vacuum	202		
D			
Diesel injector removal kit	173		
Digital multimeters	30		
Dismantler, for shock absorbers	109		
Dollies, for bodywork	99		
E			
Extractor, for glowplugs	173		
Extractor, for tyre valves	103		
Extractors, ball-joint	109		
Extractors, for injectors	173		
F			
File holder, adjustable	101		
G			
Gas extractor	173		
Gauge, for belt tension	105		
Grinder, for valves	106		
Gun, blowing, pneumatic	182		
H			
Hammers, for bodywork	99		
Hose reels	187		
Hydrometer, antifreeze	176		
I			
Instrument, for memory protection	203		
Instrument, for protecting the central power	203		
J			
Jack, bottle-type	204		
Jack, hydraulic service	204		
L			
Lever, for pressure trims	104		
Lever, for windshields	103		

CONDIZIONI GENERALI DI VENDITA SWK Utensilerie S.r.l. (ESPORTAZIONE)**1. NORMATIVA CONTRATTUALE**

- 1.1 Le ordinazioni sono assunte da SWK Utensilerie S.r.l. (in seguito "il Venditore") alle condizioni sotto specificate che si intendono accettate dal Compratore con il conferimento dell'ordine. Eventuali deroghe alle stesse saranno efficaci solo se concordate per iscritto tra le parti. Tutti i contratti di vendita fra le parti, nonché le presenti Condizioni Generali, saranno disciplinati dalla legge italiana ed in particolare dalla Convenzione delle Nazioni Unite sui contratti di vendita internazionale di merci, firmata a Vienna l'11 aprile 1980. Fa fede unicamente il testo in lingua italiana delle presenti Condizioni Generali.
- 1.2 Qualsiasi riferimento ad eventuali termini commerciali (ad es. Franco Fabbrica, FOB, CIP, ecc.) si intendrà fatto agli Incoterms della Camera di Commercio Internazionale, nel testo in vigore al momento della conclusione del contratto di vendita.

2. CARATTERISTICHE DEI PRODOTTI

- 2.1 I pesi, le dimensioni, i prezzi, i colori e gli altri dati figuranti nei cataloghi, prospetti, circolari, od altri documenti illustrativi del Venditore, hanno carattere di indicazioni approssimative.
- 2.2 Il Venditore si riserva di variare in qualsiasi momento, senza preavviso, i dati tecnici o costruttivi dei suoi Prodotti.

3. ORDINI - RIMANENZE - CONFEZIONI E IMBALLO

- 3.1 Salvo quanto indicato al punto 4.1, gli ordini sono irrevocabili da parte del Compratore. Il Venditore può accettare l'ordine mediante spedizione della merce, conformemente all'art. 1327 c.c.
- 3.2 Il Venditore ha la facoltà di evadere l'ordine solo in parte o in diverse riprese. Nel caso di evasione incompleta dell'ordine, sarà inviata una **DISTINTA RIMANENZE** aggiornata che annulla ogni eventuale distinta precedente. I Prodotti non inviati verranno inclusi, nei limiti delle disponibilità, nella spedizione successiva.
- 3.3 Nell'ordine dev'essere specificato il codice dell'articolo e le relative quantità omettendo di indicare prezzi, sconti e condizioni di pagamento (specificare solo: "Condizioni in vigore").
- 3.4 I quantitativi, per ogni articolo e misura, debbono essere ordinati attenendosi alle confezioni standard del Venditore, come indicato nell'apposita colonna del listino del Venditore. Imballi particolari verranno fatturati al costo. Il Venditore si riserva il diritto di evadere l'ordine in base alle proprie confezioni standard anche quando tali confezioni non corrispondano all'ordine.

4. TERMINI DI CONSEGNA

- 4.1 I termini di consegna eventualmente concordati dalle parti sono computati per giorni lavorativi. Essi hanno natura meramente indicativa e non vincolano quindi il Venditore. Tuttavia, in presenza di un ritardo imputabile al Venditore che superi i 120 giorni, il Compratore potrà risolvere il contratto di vendita relativamente ai Prodotti di cui la consegna è ritardata con un preavviso di 20 giorni, da comunicarsi per iscritto (anche via telex) al Venditore.
- 4.2 Non si considera imputabile al Venditore l'eventuale ritardo dovuto a cause di forza maggiore o ad atti od omissioni del Compratore.
- 4.3 Salvo il caso di dolo o colpa grave del Venditore, è espressamente escluso qualsiasi risarcimento del danno per mancata o ritardata consegna dei Prodotti.

5. RESA E SPEDIZIONE - RISERVA DI PROPRIETÀ

- 5.1 Salvo patto contrario, la fornitura dei Prodotti s'intende Franco Fabbrica e ciò anche quando sia convenuto che la spedizione o parte di essa venga curata dal Venditore. La consegna avverrà quindi a tutti gli effetti presso lo stabilimento del venditore all'atto del caricamento sul mezzo del primo trasportatore.
- 5.2 I rischi passano al compratore al più tardi con la consegna della merce al primo trasportatore.

6. RECLAMI

- 6.1 Eventuali reclami relativi allo stato dell'imballo, quantità o caratteristiche esteriori dei Prodotti (vizi apparenti), dovranno essere notificati al Venditore per iscritto, a pena di decadenza, entro 15 giorni dalla data di ricevimento dei Prodotti. Inoltre, ove la merce o il relativo imballaggio risultino danneggiati o in presenza di merce mancante, il Compratore è tenuto a formulare le riserve del caso nei confronti del trasportatore, secondo le forme previste per la modalità di trasporto utilizzata.
- 6.2 Eventuali reclami relativi a difetti non individuabili mediante un diligente controllo al momento del ricevimento (vizi occulti) dovranno essere notificati al Venditore, a pena di decadenza, entro 15 giorni dalla data della scoperta del difetto e comunque non oltre dodici mesi dalla consegna. Il reclamo dovrà specificare con precisione il difetto riscontrato ed i Prodotti cui esso si riferisce.
- 6.3 E' inteso che eventuali reclami o contestazioni non danno diritto al Compratore di sospendere o comunque ritardare i pagamenti dei Prodotti oggetto di contestazione, né, tanto meno, di altre forniture. Inoltre il Compratore non potrà effettuare resi di merce senza preventivo accordo tra le parti.

7. GARANZIA PER VIZI

- 7.1 Il Venditore si impegna a porre rimedio a qualsiasi difetto di conformità (vizio) dei Prodotti a lui imputabile, verificatosi entro dodici mesi dalla consegna dei Prodotti, purché lo stesso gli sia stato notificato tempestivamente in conformità all'art. 6. In tal caso il Venditore provvederà, a sua scelta, alla sostituzione o riparazione dei Prodotti risultati difettosi. La suddetta garanzia non si applica a Prodotti che presentano normale usura, segni di manomissione o di uso improprio. La suddetta garanzia non si applica ai prodotti di consumo, ossia i prodotti (o parti di prodotti) che si usano o si danneggiano per effetto del normale utilizzo, come ad esempio guarnizioni, cuscinetti, lame di seghe, pile e batterie. Le spese di trasporto dei Prodotti da sostituire o riparare e dei Prodotti sostituiti o riparati sono a carico del Compratore.
- 7.2 Salvo il caso di dolo o colpa grave, il Venditore sarà tenuto, in caso di difetto di conformità (vizi) dei Prodotti, unicamente alla riparazione o sostituzione dei Prodotti difettosi. E' inteso che la suddetta garanzia (consistente nell'obbligo di riparare o sostituire i Prodotti) è assorbente e sostitutiva delle garanzie o responsabilità previste per legge, ed esclude ogni altra responsabilità del Venditore (sia contrattuale che extracontrattuale) comunque originata dai Prodotti forniti (ad es. risarcimento del danno, mancato guadagno, ecc.).
- 7.3 Il Compratore accetta di assumere in via esclusiva la responsabilità per eventuali obblighi derivanti da azioni intentate da successivi venditori (in via diretta o di regresso) ai sensi degli artt. 1519-bis c.c. (o di analoghe norme di altro Stato membro dell'Unione Europea, basate sulla direttiva europea 1999/44/CE del 25 maggio 1999). Pertanto le parti convengono espressamente di escludere qualsiasi diritto di regresso nei confronti del Venditore ai sensi dell'art. 1519-quinquies c.c. (o di analogo norma di altro Stato membro basata sulla direttiva 1999/44/CE) da parte del Compratore che abbia posto rimedio ad un difetto di conformità nei confronti del consumatore (o che abbia subito il regresso di un successivo venditore per tale ragione). Inoltre il Compratore si impegna a tenere il Venditore indenne da qualsiasi azione di regresso che quest'ultimo possa subire da eventuali successivi acquirenti del Compratore.

8. PREZZI

- 8.1 Salvo patto contrario, i prezzi sono quelli riportati nel listino ufficiale del venditore, si intendono franco fabbrica, imballo normale compreso. Tali prezzi possono essere modificati in ogni momento dal Venditore.
- 8.2 I prezzi si intendono al netto dell'IVA, di eventuali imposte o tasse, nonché di tributi, diritti ed oneri fiscali o di qualsiasi specie eventualmente gravanti sul contratto.

9. CONDIZIONI DI PAGAMENTO

- 9.1 Il pagamento dev'essere fatto esclusivamente al Venditore alle condizioni convenute.
- 9.2 Sconti per pagamenti a ricevimento fattura vanno calcolati sull'importo netto della merce, escluso imballo, spese postali o di trasporto e IVA. Trascorsi 15 giorni dalla data della fattura o dal periodo concordato, si intende evocato il beneficio dello sconto condizionato e pertanto la rimessa va effettuata per il totale della fattura.
- 9.3 In caso di ritardo di pagamento rispetto alla data pattuita, il Compratore sarà tenuto a corrispondere al Venditore un interesse di mora pari al tasso d'interesse del principale strumento di finanziamento della Banca centrale europea, più sette punti percentuali, conformemente all'art. 4 del decreto legis. n. 231 del 9 ottobre 2002 che attua la direttiva CE 35/2000. L'eventuale ritardo di pagamento superiore a 30 gg. dalla data indicata in fattura darà al Venditore il diritto di risolvere il contratto, con facoltà di trattenere la parte di prezzo pagata e di pretendere la restituzione dei Prodotti forniti, a cura e spese del Compratore, oltre il risarcimento dell'eventuale danno.
- 9.4 Il Compratore non è autorizzato ad effettuare alcuna deduzione dal prezzo pattuito (ad es. in caso di pretesi difetti dei Prodotti), se non previo accordo scritto con il Venditore.
- 9.5 Qualora il Venditore abbia motivo di temere che il Compratore non possa o non intenda pagare i Prodotti alla data pattuita, egli potrà subordinare la consegna dei Prodotti alla prestazione di adeguate garanzie di pagamento (ad es. fidejussione o garanzia bancaria). Inoltre, in caso di ritardi di pagamento, il Venditore potrà modificare unilateralmente i termini di eventuali altre forniture e/o sospendere l'esecuzione fino all'ottenimento di adeguate garanzie di pagamento.

10 FORO COMPETENTE

Per ogni controversia derivante dal contratto o ad esso collegata sarà esclusivamente competente il foro di Milano (Italia); tuttavia, in deroga a quanto sopra, il Venditore avrà sempre la facoltà di adire il foro del Compratore.

SWK Utensilerie S.r.l. GENERAL CONDITIONS OF SALE (EXPORT)**1. APPLICABLE RULES**

- 1.1 Orders are received by SWK Utensilerie S.r.l. (hereafter "the Seller") at the conditions specified hereunder, which are deemed to have been accepted by the Seller by placing the order. Any derogation from the above conditions may be effective only if agreed upon in writing between the parties. All contracts of sale between the parties as well as these general conditions of sale are governed by the laws of Italy and in particular by the United Nations Convention on the International Sales of Goods, signed in Vienna on the 11th of April 1980. The Italian text of the present General Conditions shall be the only authentic text.
- 1.2 Any reference made to trade terms (such as EXW, FOB, CIP, etc.) is deemed to be made to the Incoterms published by the International Chamber of Commerce and current at the date of conclusion of the sales contract.

2. CHARACTERISTICS OF THE PRODUCTS

- 2.1 Weights, dimensions, prices, colours and other data contained in catalogues, prospects, circulars or other descriptive documents of the Seller shall all constitute an approximate indication only.
- 2.2 The Seller reserves the right to modify, at any time, without notice, the technical and construction data of its Products.

3. ORDERS - BACK-ORDER PRODUCTS - PACKAGING AND PACKING

- 3.1 Save as indicated under clause 4.1, the orders are irrevocable for the Purchaser. The Seller is entitled to accept the order by delivering the goods, in conformity with Article 1327 of the Italian civil code.
- 3.2 The Seller may perform the order partially or in different instalments. If the order is carried out only partially, the Seller will enclose an updated list of back-order Products which replaces any previous list. The Products not sent will be included, as far as available, in the following shipment.
- 3.3 The order must specify the reference number of each article and the respective quantities without indication of the price, discount and payment conditions (only specify "Conditions in force").
- 3.4 The quantities, for each article and size, must be ordered in conformity with the standard packings of the Seller, as indicated in the proper column of the Seller's price list. The Seller reserves the right to carry out the order according to its standard packings, even where these standard packings do not conform to the order. Special packaging will be invoiced at cost.

4. DELIVERY TERMS

- 4.1 Delivery terms which the parties may have agreed will be calculated in working days. Such terms are merely indicative and do consequently not bind the Seller. However, should a delay in delivery for which the Seller is liable exceed 120 days, the Purchaser will be entitled to terminate the sales contract with respect to the Products the delivery of which is delayed, by giving the Seller a 20 days' prior notice in writing (also by telex).
- 4.2 A delay due to force majeure or to acts or omissions of the Purchaser shall not be considered as a delay for which the Seller is liable.
- 4.3 Except in case of fraud or gross negligence of the Seller, any claim for damages arising out of non-delivery of or delay in delivery is expressly excluded.

5. DELIVERY AND SHIPMENT - RESERVATION OF TITLE

- 5.1 Unless otherwise agreed, the supply shall be deemed to be made Ex-Works (EXW) even if it is agreed that the shipment has to be carried out totally or in part by the Seller. Delivery will consequently take place for all effects at the Seller's premises when the goods are loaded on the means of transportation of the first carrier.
- 5.2 The risks shall pass to the Purchaser at the latest when the Products are handed over to the first carrier.

6. COMPLAINTS

- 6.1 Any complaints concerning the conditions of packing, quantity or outward features of the Products (apparent defects) must be notified to the Seller in writing within 15 days from receipt of the Products; failing such notification the Purchaser's right to claim the above defects will be forfeited. Furthermore, if the goods or respective packing are damaged or if some goods are missing, the Purchaser must make the necessary reservations towards the carrier, in conformity with the formalities required for the respective mode of transportation.
- 6.2 Any complaints relating to defects which cannot be discovered on the basis of a careful inspection upon receipt (hidden defects) must be notified to the Seller in writing within 15 days from discovery of the defect and in any case not later than twelve months from delivery; failing such notification the Purchaser's right to claim the above defects will be forfeited. The notice must indicate precisely the defect and the Products to which it refers.
- 6.3 It is agreed that no complaints or objections entitle the Purchaser to suspend or to delay payment of the Products as well as payment of any other supplies. Furthermore, no returns of Products may be made by the Purchaser without prior agreement between the parties.

7. GUARANTEE FOR DEFECTS

- 7.1 The Seller undertakes to remedy any non-conformity (defect) of the Products for which he is liable, occurring within twelve months from delivery of the Products, provided he has been notified timely about such defect according to Article 6. In such case the Seller will, at his choice, either replace or repair the Products which result to be defective. This guarantee does not apply to Products showing normal wear and tear or signs of alteration or improper use. This guarantee does not apply to the so-called consume products, i.e., products (or parts of products) that are subject to wear or that are damaged as consequence of the normal use such as, for example, gaskets, bearings, saw blades and batteries. The transport cost of the Products to be replaced or repaired or having been replaced or repaired are for the Purchaser's account.
- 7.2 Except in case of fraud or gross negligence, the Seller's only obligation in case of non-conformity (defects) of the Products will be that of replacing or repairing the defective Products. It is agreed that the above mentioned guarantee (i.e. the obligation to repair or to replace the Products) is in lieu of any other legal guarantee or liability with the exclusion of any other Seller's liability (both contractual or extracontractual) which may arise from the Products supplied (e.g. compensation of damages, loss of profit, etc.).
- 7.3 The Purchaser accepts to assume the exclusive responsibility for any obligation arising out of possible claims made by subsequent purchasers (whether direct or by way of redress) under articles 1519-bis and following of the Italian civil code (or under similar provisions of other member States of the European Union, based on the European directive 1999/44/CE of 25 May 1999). Consequently the parties expressly agree to exclude any right of redress against the Seller by the Purchaser, when the latter has remedied a non-conformity in favour of a consumer (or has suffered an action in redress by a subsequent seller), in conformity with Article 1519-quinquies of the Italian civil code (or any other similar provision of another member State based on directive 1999/44/CE). Furthermore, the Purchaser agrees to hold the Seller harmless against any action in redress he may suffer from possible subsequent buyers of the Purchaser.

8. PRICES

- 8.1 Unless otherwise agreed, prices are those stated on the official price-list of the Seller, they are to be considered Ex-Works, normal packing included. Such prices may be changed at any moment by the Seller.
- 8.2 The prices are net of VAT and of possible taxes or other fiscal charges or duties of any kind which may be due with respect to the contract.

9. PAYMENT CONDITIONS

- 9.1 Payment must be made exclusively to the Seller at the agreed conditions.
- 9.2 Discounts for payments made on the receipt of invoices are calculated on the net amount of the goods excluding packing, postage or transport and VAT. After fifteen days have elapsed from the date of the invoice or the period agreed, the benefit of the conditional discount is considered null and payment must be made for the invoice total.
- 9.3 Should payment be delayed with respect to the agreed date, the Purchaser shall pay to the Seller interest for late payment at a rate corresponding to the interest rate applied by the European Central Bank to its main refinancing operations plus seven percentage points, in conformity with Article 4 of decree n. 231 of 9 October 2002 which implements the EC Directive 35/2000. Should the delay exceed 30 days from the date indicated in the invoice, the Seller will be entitled to terminate the contract, to retain the part of the price already paid and to claim the return, at the Purchaser's expense, of the Products delivered, plus possible damages.
- 9.4 The Purchaser is not authorised to make any deduction from the agreed price (e.g. if he pretends that the goods are defective), unless agreed in writing with the Seller.
- 9.5 Should the Seller have reasons to fear that the Purchaser cannot or does not intend to pay the Products on the agreed date, he may make delivery dependant on obtaining an appropriate payment guarantee (e.g. surety or bank guarantee). Furthermore the Seller may, in case of delayed payment, unilaterally modify the terms of payment of other supplies and/or suspend their performance until he obtains appropriate payment guarantees.

10 JURISDICTION

The Courts of Milano (Italy) shall have exclusive jurisdiction with respect to any dispute arising out of or in connection with this contract; however, as an exception to the above, the Seller is in any case entitled to bring an action before the competent Courts at the seat of the Purchaser.

CONDITIONS GENERALES DE VENTE SWK Utensilerie S.r.l. (EXPORTATION)

1. NORMES APPLICABLES

- 1.1 Les commandes sont acceptées par SWK Utensilerie S.r.l. (par la suite "l'acheteur") aux conditions spécifiées ci-après qui ne sont considérées acceptées par l'acheteur avec le placement de la commande. D'éventuelles dérogations à ces conditions générales ne seront valables que si elles auront été convenues par écrit entre les parties. Tous les contrats de vente entre les parties ainsi que ses Conditions Générales seront régies par la loi italienne et en particulier par la Convention des Nations Unies sur les contrats internationaux de vente de marchandises (signée à Vienne le 11 avril 1980. Le texte en langue italienne des présentes Conditions Générales est le seul faisant foi.
- 1.2 Toute référence à des termes commerciaux (par ex. EXW, FOB, CIP etc.) sera interprétée comme une référence aux Incoterms de la Chambre de Commerce Internationale, dans le texte en vigueur à la date de conclusion du contrat de vente.

2. CARACTÉRISTIQUES DES PRODUITS

- 2.1 Les poids, dimensions, prix, couleurs et autres données figurant dans les catalogues, prospectus, circulaires ou autres documents illustratifs du Vendeur ne constituent que des indications approximatives.
- 2.2 Le Vendeur se réserve de modifier à tout moment, sans préavis, les données techniques et constructives de ses Produits.

3. COMMANDES - RELIQUATS - CONDITIONNEMENT ET EMBALLAGE

- 3.1 Sauf ce qui est indiqué à la clause 4.1, les commandes sont irrévocables pour l'acheteur. Le Vendeur a la faculté d'accepter la commande en expédiant les marchandises, conformément à l'article 1327 du code civil italien.
- 3.2 Le Vendeur pourra exécuter la commande partiellement ou à plusieurs reprises. Dans le cas d'exécution partielle de la commande le Vendeur attachera une liste mise à jour des Produits reliquats qui remplacera toute liste précédente. Les Produits non envoyés seront inclus, dans la mesure des disponibilités, dans la livraison suivante.
- 3.3 La commande devra spécifier le code de l'article et les quantités respectives, sans indication des prix, rabais et conditions de paiement (spécifier seulement "Conditions en vigueur").
- 3.4 Les quantités devront être commandées, pour chaque article et mesure, en respectant les conditionnements standard du Vendeur, comme indiqué dans la colonne correspondante de la liste de prix du Vendeur. Le Vendeur se réserve le droit d'exécuter la commande conformément à ses conditionnements standard même lorsque ces conditionnements ne se conforment pas à la commande. Des emballages particuliers seront facturés au coût.

4. DÉLAIS DE LIVRAISON

- 4.1 Les délais de livraison éventuellement convenus entre les parties sont calculés en jours ouvrables. Ils sont purement indicatifs et ne lient par conséquent pas le Vendeur. Toutefois en présence d'un retard imputable au Vendeur excédant les 120 jours, l'acheteur pourra résilier le contrat de vente pour les Produits dont la livraison est retardée avec un préavis de 20 jours qui devra être communiqué au Vendeur par écrit (aussi par téléphone).
- 4.2 N'est pas considéré imputable au Vendeur le retard éventuel dû à force majeure ou résultant d'agissements ou d'omissions imputables à l'acheteur.
- 4.3 Sauf fraude ou faute lourde du Vendeur, toute prétention de l'acheteur au titre de préjudice résultant d'une absence de fourniture ou d'une fourniture tardive est expressément exclue.

5. LIVRAISON ET TRANSPORT - RÉSERVE DE PROPRIÉTÉ

- 5.1 Sauf convention contraire, la livraison sera présuimée être faite Ex-Works (EXW), même s'il est convenu que le transport doit être opéré totalement ou partiellement par le Vendeur. La livraison aura lieu à tous effets auprès de l'établissement du Vendeur lorsque les Produits sont chargés sur le moyen de transport du premier transporteur.
- 5.2 Le risque passera à l'acheteur au plus tard lorsque le Vendeur remet les Produits au premier transporteur.

6. RÉCLAMATIONS

- 6.1 Toute réclamation concernant l'état de l'emballage, les quantités ou les caractéristiques extérieures des Produits (vices apparents) devra être notifiée au Vendeur, par écrit, dans les 15 jours suivant la date de réception des Produits; à défaut d'une telle notification l'acheteur ne pourra invoquer ce type de défaut. En outre, s'il apparaît que les marchandises ou les emballages sont endommagés ou en cas de Produits manquants, l'acheteur devra formuler envers le transporteur les réserves appropriées selon les formes prévues pour le moyen de transport utilisé.
- 6.2 Toute réclamation relative à des défauts ne pouvant pas être reconnus au terme d'une inspection diligente au moment de la réception (vices cachés) devra être notifiée au Vendeur, par écrit, dans les 15 jours suivant la constatation du défaut et en tout état de cause, dans les deux mois suivant la livraison. En l'absence d'une telle notification l'acheteur ne pourra invoquer le défaut en question. La réclamation devra spécifier avec précision le défaut et les Produits auxquels il se réfère.
- 6.3 Il est convenu que toute réclamation ou plainte émise par l'acheteur ne saurait lui permettre de suspendre ou de retarder le paiement des Produits objet de la contestation de même que le paiement de toute autre fourniture. En outre l'acheteur ne pourra pas effectuer aucune restitution des Produits sans accord préalable des parties.

7. GARANTIES

- 7.1 Le Vendeur s'engage à remédier à toute non conformité (vice) des Produits dont il serait responsable et qui apparaîtrait dans les douze mois après leur livraison, sous condition que celle-ci lui ait été notifiée en temps utile conformément à l'article 6. Dans ce cas le Vendeur remplacera ou réparera, à son choix, les Produits résultant de défauts. Cette garantie ne s'applique pas aux Produits présentant une usure normale ou des signes d'altération ou d'usage impropre. Cette garantie ne concerne pas les produits de consommation, c'est à dire les produits (ou parts de produits) sujets à usure ou bien qui s'endommagent pour effet du normal emploi comme, par exemple, garnitures, roulements, lames de scie, piles et batteries. Les frais de transport des Produits à remplacer ou à réparer, et des Produits remplacés ou réparés, sont à la charge de l'acheteur.
- 7.2 Sauf fraude ou faute lourde du Vendeur, la seule obligation du Vendeur en cas de non conformité (vices) des Produits sera de réparer ou de remplacer les Produits défectueux. Il est convenu que les garanties ci-dessus (c'est à dire de réparer ou de remplacer les Produits) excluent toute autre obligation à titre de la garantie ou responsabilité légale ainsi que toute autre responsabilité (soit contractuelle qu'extracontractuelle) du Vendeur qui pourrait être mise en jeu par le fait des Produits livrés (par exemple réparation du préjudice, perte de profit, etc.).
- 7.3 L'acheteur accepte d'assumer en voie exclusive la responsabilité pour toute obligation découlant d'éventuelles actions (directes ou en voie de régis) engagée par des acheteurs successifs, basées sur les articles 1519-bis et suivants du code civil italien (ou sur des dispositions analogues d'autres États membres de l'Union Européenne, en application de la directive européenne 1999/44/CE du 25 mai 1999). Par conséquent les parties conviennent d'exclure tout droit de régis envers le Vendeur basé sur l'art. 1519-quinquies du code civil italien (ou sur une disposition analogue de la loi d'un autre État membre, basée sur la directive 1999/44/CE) par l'acheteur qui aurait remédié à une non conformité envers le consommateur (ou qui aurait subi le régis d'un vendeur successif pour la même raison). En outre l'acheteur s'engage à tenir le Vendeur indemne contre toute action de régis qui pourrait être intentée contre lui par d'éventuels acheteurs successifs de l'acheteur.

8. PRIX

- 8.1 Sauf convention contraire, les prix sont ceux indiqués sur le Tarif officiel du Vendeur et sont considérés Ex-Works, avec l'emballage normal. Ces prix peuvent être modifiés à tout moment par le Vendeur.
- 8.2 Les prix sont au net de la TVA et d'éventuelles taxes ou impôts, droits ou charges fiscales de tout genre qui pourraient s'appliquer au contrat.

9. CONDITIONS DE PaiEMENT

- 9.1 Le paiement doit être fait exclusivement au Vendeur aux conditions convenues.
- 9.2 Remises pour paiements à réception facture doivent être calculées sur le montant net de la marchandise, sauf emballage, frais postaux ou de transport et TVA. Après 15 jours de la date de facture ou du délai établi par les parties la remise conditionnée sera révoquée et le paiement devra être effectué sur le montant total de la facture.
- 9.3 En cas de retard de paiement par rapport à la date convenue, l'acheteur devra payer au Vendeur des intérêts de retard correspondant au taux d'intérêt de la principale facilité de refinancement de la Banque centrale européenne majoré de sept points, conformément à l'article 4 du décret n. 231 du 9 octobre 2002 qui donne application à la directive européenne CE 35/2000. Si le retard dépasse les 30 jours suivant la date de paiement indiquée dans la facture, le Vendeur aura le droit de résilier le contrat, de retenir la partie du prix payée et de prétendre la restitution, aux soins et dépenses de l'acheteur, des Produits fournis, outre la réparation d'éventuels dommages.
- 9.4 L'acheteur n'est autorisé à effectuer aucune déduction du prix convenu (par ex. en cas de prétendus défauts des Produits), sauf en cas d'accord écrit préalable avec le Vendeur.
- 9.5 Au cas où le Vendeur aurait des raisons de redouter que l'acheteur ne puisse pas ou n'ait pas l'intention de payer à la date convenue, il pourra subordonner la livraison à l'octroi de garanties de paiement appropriées (par exemple sûreté ou garantie bancaire). En outre, le Vendeur pourra, en cas de retards de paiement, modifier unilatéralement les termes d'autres fournitures et/ou en suspendre l'exécution jusqu'à l'obtention de garanties de paiement appropriées.

10 JURIDICTION COMPÉTENTE

Les tribunaux de Milano seront exclusivement compétents pour trancher tout différend survenant du fait ou en rapport avec ce contrat. Cependant, par exception, le Vendeur est habilité, en tout état de cause, à agir devant des juridictions compétentes du siège de l'acheteur.

CONDICIONES GENERALES DE VENTA SWK Utensilerie S.r.l. (EXPORTACIÓN)

1. NORMATIVA CONTRACTUAL

- 1.1 SWK Utensilerie S.r.l. de aquí en adelante llamado "el vendedor", asumirá los pedidos en las condiciones abajo especificadas, las que se entenderán aceptadas por el comprador desde el momento de la entrega del pedido. Eventuales excepciones a lo anterior sólo tendrán valor cuando las partes las hayan acordado por escrito. Todos los contratos de venta entre las partes como así también las presentes Condiciones Generales se regirán por la ley italiana y, en particular, por la Convención de las Naciones Unidas sobre Contratos de Venta Internacional de Mercaderías, suscrita en Viena el 11 de abril de 1980. Para todos los efectos legales derivados del presente contrato hará fe única y exclusivamente el texto en lengua italiana de las presentes Condiciones Generales.
- 1.2 Cualquier referencia a eventuales términos comerciales (por ej. Ex-fábrica, FOB, CIP, etc.) se entenderá hecha según los Incoterms de la Cámara de Comercio Internacional, considerando el texto vigente en el momento de la celebración del contrato de venta.

2. CARACTERÍSTICAS DE LOS PRODUCTOS

- 2.1 Los pesos, las dimensiones, los precios, los colores y los demás datos que figuren en los catálogos, folletos, circulares u otros documentos ilustrativos del vendedor, tendrán el carácter de indicaciones meramente aproximativas.
- 2.2 El vendedor se reserva la facultad de cambiar en cualquier momento y sin aviso previo, los datos técnicos o de fabricación de sus productos.

3. PEDIDOS - SALDOS - ENVASES Y EMBALAJES

- 3.1 Con la sola excepción contemplada en el punto 4.1, los pedidos efectuados por el comprador serán irrevocables. El vendedor podrá aceptar el pedido mediante la expedición de la mercadería, de conformidad con lo dispuesto por el art. 1327 del C.C.
- 3.2 El vendedor se reserva la facultad de despachar sólo parcialmente el pedido o mediante varios envíos parciales. En caso de expedición sólo parcial del pedido, se enviará una LISTA DE SALDO actualizada, que anulará toda eventual lista precedente. Los productos incluidos en la lista antedicha serán despachados, dentro de los límites de disponibilidad, en la expedición sucesiva.
- 3.3 En el pedido se deberá especificar el código del artículo y la respectiva cantidad, omitiendo las indicaciones de precio, descuento y condiciones de pago (especificar sólo: "Condiciones vigentes").
- 3.4 Las cantidades relativas a cada artículo y tamaño deberán ser pedidas ateniéndose a los envases estándar del vendedor y de la forma indicada en la respectiva columna de la lista del vendedor. El Vendedor se reserva el derecho de realizar los pedidos en función de sus envases estándares aunque estos envases no correspondan a el pedido. Los embalajes especiales serán facturados al costo.

4. PLAZOS DE ENTREGA

- 4.1 Los plazos de entrega eventualmente concertados por las partes se contarán considerando sólo los días de trabajo. Dichos plazos tendrán un carácter meramente ilustrativo y, por lo tanto, no serán obligatorios para el vendedor. Sin embargo, en caso de retrasos imputables al vendedor que superen los 120 días, el comprador podrá revocar el contrato de venta sólo respecto de los productos cuya entrega haya sufrido retraso mediante un preaviso de veinte días que deberá enviar por escrito al vendedor (incluso mediante fax).
- 4.2 No será imputable al vendedor el eventual retraso debido a fuerza mayor o a actos u omisiones del comprador.
- 4.3 Salvo en caso de dolo o culpa grave del vendedor, queda expresamente excluido del presente contrato cualquier tipo de rescaramiento por daños debidos a retraso o falta de entrega de los productos.

5. ENTREGA Y EXPEDICIÓN. RESERVA DE PROPIEDAD

- 5.1 Salvo pacto en contrario, la entrega de los productos se entiende Ex-fábrica, aun cuando se haya acordado que la expedición o parte de ésta será de cargo del vendedor. La entrega se entenderá efectuada, para todos los efectos legales a que hubiera lugar, en el establecimiento del vendedor y al momento de efectuar la carga en el vehículo del primer transportista.
- 5.2 Los riesgos serán de cargo del comprador, a contar de la entrega de la mercadería al primer transportista.

6. RECLAMOS

- 6.1 Eventuales reclamos relativos al estado del embalaje, cantidad o características exteriores de los productos (vicios aparentes), deberán notificarse por escrito al vendedor, dentro de los 15 días siguientes a la fecha de recepción de los productos, so pena de caducidad. Además, en caso de que la mercadería o su respectivo embalaje resulten dañados o bien en caso de falta de mercadería, el comprador deberá formular las reservas del caso al transportista respetando las formas previstas para la modalidad de transporte utilizado.
- 6.2 Eventuales reclamos relativos a defectos imposibles de identificar mediante un control diligente efectuado en el momento de la recepción (vicios ocultos) deberán notificarse al vendedor, so pena de caducidad, dentro de los 15 días siguientes a la fecha en que dichos defectos hayan sido descubiertos y, en ningún caso, más allá de doce meses, contados desde la fecha de entrega. En el reclamo se deberá especificar con precisión el defecto encontrado y los productos a los cuales se refiere.
- 6.3 Se establece que eventuales reclamos o impugnaciones no facultarán al comprador para suspender o retardar el pago de los productos objeto de impugnación ni, menos aún, el pago relativo a otras entregas. Además, el comprador tampoco podrá efectuar devolución de la mercadería sin previo acuerdo de ambas partes.

7. GARANTÍA RELATIVA A VICIOS DE LOS PRODUCTOS

- 7.1 El vendedor se obliga a subsanar cualquier defecto de conformidad (vicio) de los productos que le sea imputable y que se verifique dentro del plazo de doce meses, contados desde la fecha de entrega de los productos, siempre y cuando dicho defecto se le notifique oportunamente, de conformidad con lo dispuesto por el art. 6°. En este caso, el vendedor procederá, a su elección, a la sustitución o reparación de los productos que resulten defectuosos. Dicha garantía no se aplicará a productos que presenten desgaste normal o señales de haber sido alterados ni en caso de uso impropio de los mismos. Dicha garantía no se aplicará a productos desgastados por efecto de normal empleo como, por ejemplo, guarniciones, hojas de sierra, cojinetes, pilas y baterías. Los gastos de transporte tanto de los productos que se deban sustituir o reparar como de los productos sustituidos o reparados serán de cargo del comprador.
- 7.2 Salvo el caso de dolo o culpa grave, si existiera algún defecto de conformidad (vicios) de los productos, el vendedor estará obligado sólo a la reparación o sustitución de los productos defectuosos. Se establece que esta garantía (consistente en la obligación de reparar o sustituir los productos) es extintiva y sustitutiva de las garantías o responsabilidades previstas por la ley y excluye cualquier otro tipo de responsabilidad del vendedor (tanto contractual como extracontractual) que pudiera derivar de la entrega de los productos (por ej.: resarcimiento de daños, ausencia de ganancias, etc.).
- 7.3 El comprador acepta asumirse de modo exclusivo la responsabilidad por eventuales obligaciones derivadas de acciones ejercidas por vendedores sucesivos (por vía directa o por derecho de reembolso), de conformidad con lo dispuesto por el art. 1519-bis del C.C. (o por normas análogas de otro Estado miembro de la Unión Europea, basadas en la directiva europea 1999/44/CE del 25 de mayo de 1999). Por lo tanto, las partes acuerdan expresamente liberar al vendedor de cualquier eventual obligación de reembolso, de conformidad con lo establecido por el art. 1519-quinquies del C.C. (o por normas análogas de otro Estado miembro, basadas en la directiva 1999/44/CE) respecto del comprador que haya subsanado un defecto de conformidad respecto del consumidor (o al que un vendedor sucesivo le haya solicitado el reembolso por dicha razón). Además, el comprador se obliga a liberar al vendedor respecto de cualquier acción de reembolso que en contra de éste último pudieran intentar eventuales sucesivos adquirentes del comprador.

8. PRECIOS

- 8.1 Salvo pacto en contrario, los precios son los de la lista de precios oficial del Vendedor, se entienden Ex-fábrica, embalaje normal incluido. Dichos precios podrán ser modificados en cualquier momento por el vendedor.
- 8.2 Los precios se entienden al neto del IVA y de eventuales impuestos o tasas, como así también de tributos, derechos o cargas fiscales o de cualquier otra especie que eventualmente graven el contrato.

9. CONDICIONES DE PAGO

- 9.1 El pago deberá ser efectuado exclusivamente al vendedor, de conformidad con las condiciones convenidas.
- 9.2 Los descuentos previstos para los pagos efectuados inmediatamente después de haberse recibido la factura, serán calculados sobre el importe neto de la mercadería, excluidos el embalaje, los gastos de correo y/o transporte y el IVA. Transcurridos 15 días desde la fecha de la factura o del período convenido en su caso sin que se haya efectuado el pago, se entenderá caducado el beneficio del descuento condicionado y, por lo tanto, el pago deberá efectuarse por el valor total de la factura.
- 9.3 En caso de existir retraso en el pago con respecto a la fecha pactada, el comprador deberá pagar al vendedor un interés de mora equivalente a la tasa de interés del principal instrumento de refinanciamiento del Banco Central Europeo más el 7%, de conformidad con lo dispuesto por el art. 4° del Decreto legis. N° 231 del 9 de octubre de 2002, aplicativo de la directiva CE 35/2000. El eventual retraso de pago que supere en la medida de 30 días la fecha indicada en la factura, facultará al vendedor para revocar el contrato, retener para sí la parte del precio que haya sido pagada y demandar la restitución por cuenta y cargo del comprador de los productos suministrados, además del resarcimiento de los eventuales daños.
- 9.4 El comprador no está autorizado para efectuar deducción alguna sobre el precio pactado (por ej.: en caso de supuestos defectos de los productos), sin previo acuerdo manifestado por el vendedor por escrito.
- 9.5 En caso de que el vendedor tenga motivos suficientes para temer que el comprador no pueda o no quiera pagar el precio de los productos en la fecha pactada, podrá subordinar la entrega de los productos al otorgamiento de adecuadas garantías de pago (por ej.: fianza o garantía bancaria). Asimismo, en caso de retrasos en el pago, el vendedor podrá modificar unilateralmente las condiciones de otros eventuales suministros y/o suspender su ejecución hasta obtener adecuadas garantías de pago.

10 TRIBUNAL COMPETENTE

En caso de verificarse cualquier controversia derivada de la interpretación y/o aplicación del presente contrato, será exclusivamente competente para conocer de ella el tribunal de Milano (Italia). No obstante lo anterior, el vendedor tendrá siempre la facultad de recurrir al tribunal del domicilio del comprador.



SWK Utensilerie S.r.l.

Via Volta, 3 · 21020 Monvalle (VA) Italia
Tel. 0332 790111 · Fax 0332 790363
info.mv@usag.it · www.usag-tools.com

