



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
- Polypropylene shell with Aluminium frame

LxPxH mm	kg	code		YEN
490x395x200	5,3	00010001	1	110,110

001 MF

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

kg	code		YEN
11,4	00010101	1	OPEN PRICE

001 MH

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

kg	code		YEN
14,4	00010111	1	OPEN PRICE



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
- Polypropylene shell with Aluminium frame

LxPxH mm	kg	code		YEN
490x395x200	6	00010002	1	111,190

001 PF

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

kg	code		YEN
12,1	00010102	1	OPEN PRICE

001 PH

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

kg	code		YEN
15,1	00010112	1	OPEN PRICE



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
- Polypropylene shell with Aluminium frame

LxPxH mm	kg	code		YEN
490x395x200	5,5	00010003	1	117,080

001 QF

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

kg	code		YEN
11,6	00010103	1	OPEN PRICE

001 QH

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

kg	code		YEN
14,6	00010113	1	OPEN PRICE



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		YEN
490x370x180	5,2	003001	1	166,010

003 F

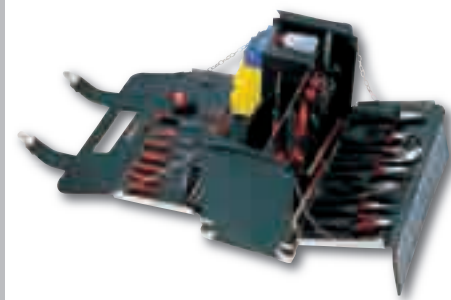
Case with assortment 496 F2 for electronics (98 pcs.)

kg	code		YEN
11,3	00030101	1	OPEN PRICE

003 H

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

kg	code		YEN
14,3	00030111	1	OPEN PRICE



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		YEN
480x230x340	6	004001	1	212,920

004

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

kg	code		YEN
12	00040012	1	OPEN PRICE



005 V

Electrotechnics maintenance case - empty

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

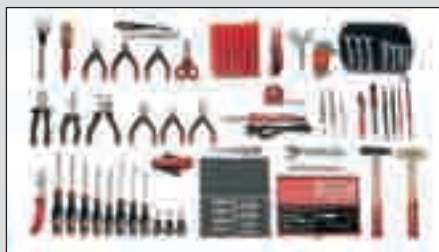
LxPxH mm	kg	code		YEN
480x215x340	5	005001	1	194,100

005

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

kg	code		YEN
12	00050013	1	OPEN PRICE

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		YEN
490x220x350	4	00070002	1	27,700

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		YEN
8	00070010	1	110,200



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		YEN
420x240x340	2,5	00070001	1	21,540

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		YEN
5,3	00070009	1	83,180



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		YEN
440x340x150	1,5	00070005	1	50,170

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		YEN
4,3	00070015	1	135,900



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
- Polypropylene shell with Aluminium frame

LxPxH mm	Kg	code		YEN
515x425x350	8,5	00080001	1	182,800



009 V

Plumbers case - empty

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

LxPxH mm	Kg	code		YEN
410x185x200	3	009001	1	56,230

009 A

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

Kg	code		YEN
7,5	00090014	1	151,140



009 LV

Plumbers case, long model - empty

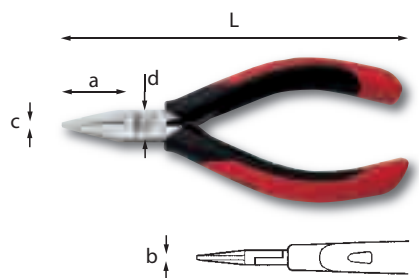
- All-in-one 3 mm thick leather case entirely sheathed with PVC laminate
- Shoulder strap

LxPxH mm	Kg	code		YEN
640x185x200	4	009002	1	79,920

009 LA

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

Kg	code		YEN
19	00090015	1	306,420



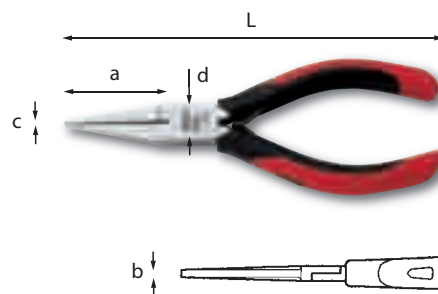
015

ISO 9655

Flat short nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

L mm	axbxc mm	d mm	code		YEN
115	23x1,8x1,5	10,5	015001	2	12,360



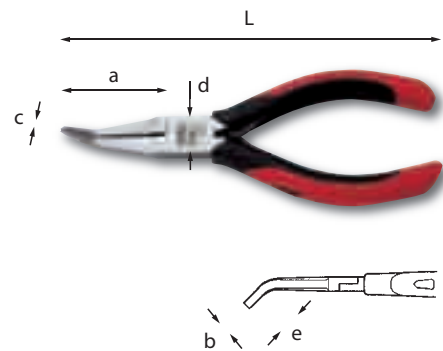
015 L

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		YEN
140	41x2,8x1,5	14	015101	2	13,220

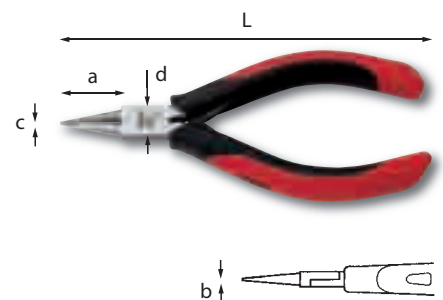


015 LP

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		YEN
135	37,5x2,8x1,5	14	14	015201	2	14,350



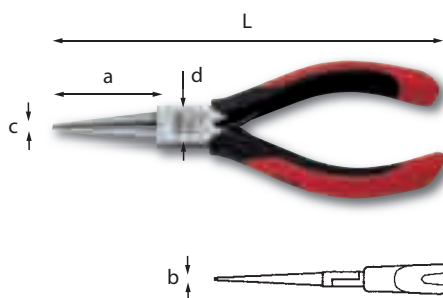
016

ISO 9655

Round short nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

L mm	axbxc mm	d mm	code		YEN
115	23x0,5x1	10,5	016001	2	12,730



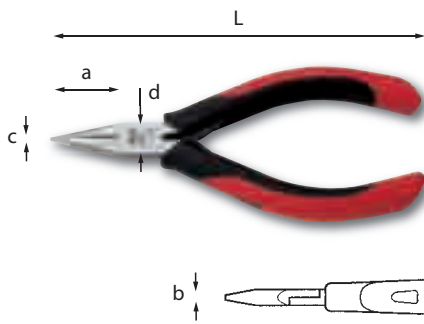
016 L

ISO 9655

Round long nose pliers with straight jaws

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

L mm	axbxc mm	d mm	code		YEN
140	41x1,5x3	14	016101	2	12,550



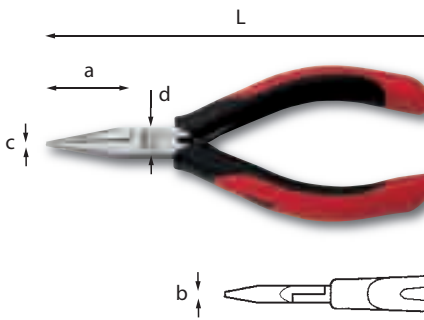
017 ●

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		YEN
115	23x1,5x1,5	10,5	017001	2	13,330



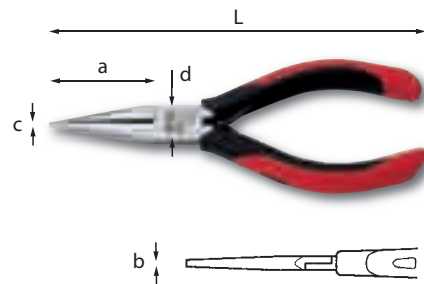
017 BR ●

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		YEN
120	28,5x1,5x1,5	11	017103	2	14,040



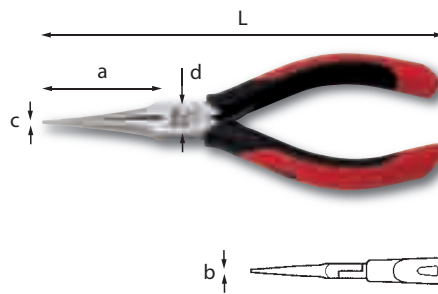
017 L ●

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		YEN
140	41x2x2	14	017101	2	14,340



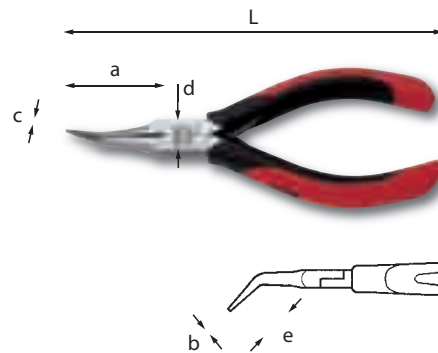
018 L ●

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		YEN
140	43x1,5x1,5	12	018101	2	15,430

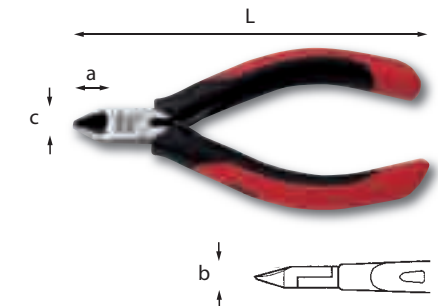


018 LP ●

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		YEN
135	38x1,5x1,5	12	19	018201	2	17,000



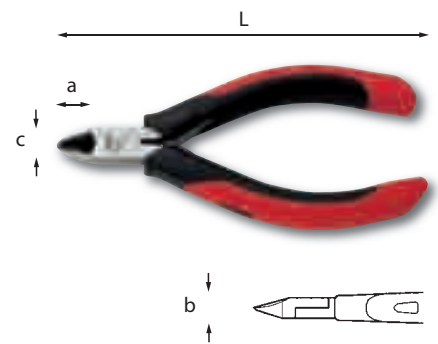
020 ●

ISO 9654

Diagonal cutting nippers with semi-flush cutting edge

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

L mm	axbxc mm	d mm	e mm	code		YEN
110	12,5x6,5x10,5	1	19	020001	2	16,760
120	15x8,5x13	1,5	19	020002	2	17,730



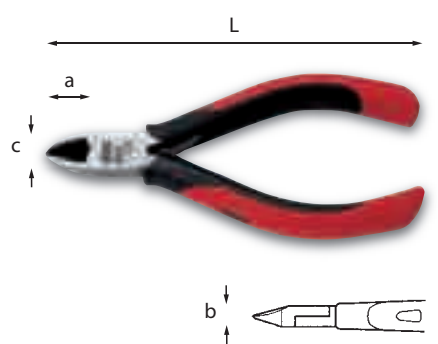
021 ●

ISO 9654

Diagonal cutting nippers with semi-flush cutting edge

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

L mm	axbxc mm	d mm	code		YEN
110	12,5x6,5x10,5	1,2	021001	2	16,760



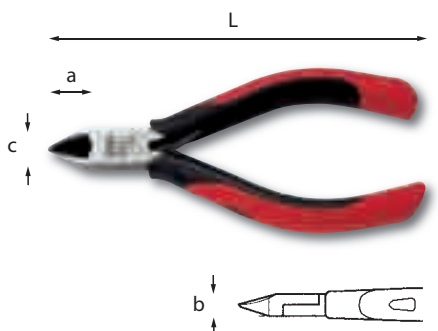
022 ●

ISO 9654

Diagonal cutting nippers with flush cutting edge

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

L mm	axbxc mm	d mm	code		YEN
110	12,5x6,5x10,5	1	022001	2	16,620
120	16x8,5x13	1,5	022002	2	17,470
130	19x9,5x16,5	2,2	022003	2	18,190



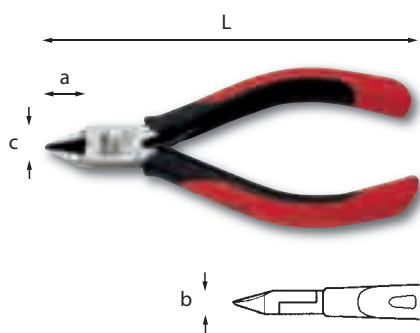
024 ●

ISO 9654

Diagonal cutting nippers with flush cutting edge

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

L mm	axbxc mm	d mm	code		YEN
110	12,5x6,5x10,5	1	024001	2	16,620
120	15x8,5x13	1,5	024002	2	17,470
130	19x9,5x16,5	2	024003	2	18,190

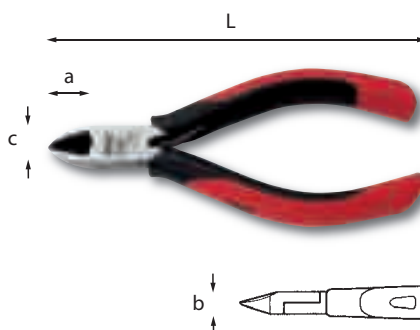


025 ISO 9654

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		YEN
110	1	12,5x6,5x10,5	025001	2	17,300
120	1,5	15x8,5x13	025002	2	18,520

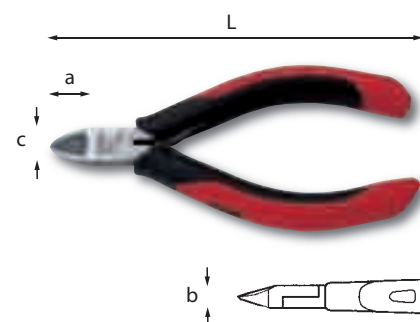


030 ISO 9654

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		YEN
120	2	16x8,5x13	030001	2	17,470

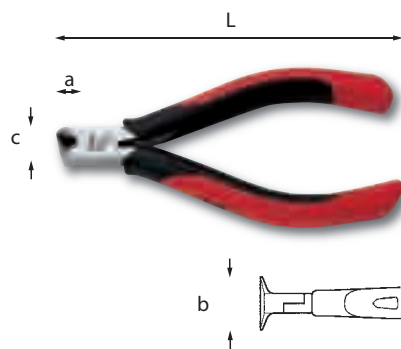


032 ISO 9654

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		YEN
110	1,2	12,5x6,5x10,5	032001	2	23,230

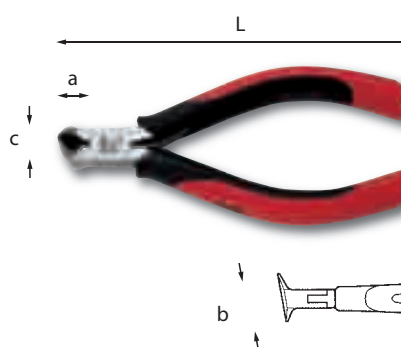


033 ISO 9654

End cutting nippers with flush cutting edge

- Spring-action with interchangeable plates
- Ergonomic bimaterial grip

L mm	Cu ø max mm	axbxc mm	code		YEN
110	1	6x19,5x11,5	033001	2	21,240

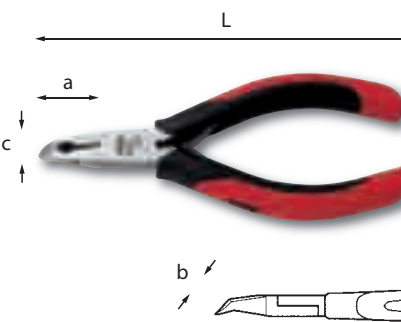


034 ISO 9654

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		YEN
115	1	6x20x11,5	034001	2	22,220

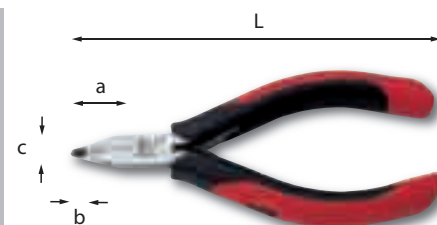


036 ISO 9654

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		YEN
120	0,8	21,5x7x12	036001	2	27,160

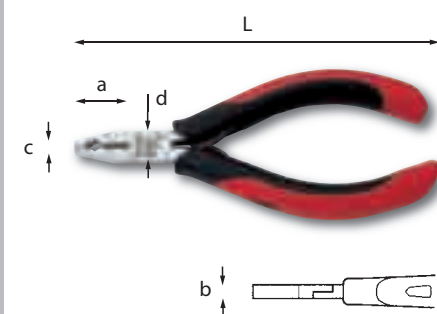


037 ISO 9654

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		YEN
110	0,6	18x4x9	037001	2	17,950



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		YEN
115	1,6	19x5x5	12	039001	2	16,220



040/00

Tweezers with strong rigid tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code		YEN
120	040001	2	4,130



040 AA

Tweezers with fine rigid tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code		YEN
127	040004	2	3,500



040/2A

Tweezers with flat rounded tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code		YEN
115	040007	2	4,360



040/3

Tweezers with fine tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code		YEN
117	040010	2	3,930



040/5

Tweezers with extra-fine tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code		YEN
110	040016	2	4,720



040/5A

Tweezers with extra-fine angled tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code		YEN
115	040019	2	5,450



040/7

Tweezers with extra-fine curved tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code		YEN
120	040022	2	4,720



040/35A

Tweezers with broad tips

- Acid-resistant and anti-magnetic stainless steel

L mm	code		YEN
123	040025	2	4,720



040 SE6

Set of six tweezers

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

gr	code		YEN
150	040081	1	27,870



041

Tweezers with long rigid tips

- Stainless steel body
- Satin finish

L mm	code		YEN
160	041001	2	3,570



042

Tweezers with straight tips and guide pin

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

L mm	code		YEN
150	042001	5	3,570



042 P

Tweezers with tips bent to 45° and guide pin

- Knurled gripping surface
- Stainless steel body
- Satin finish

L mm	code		YEN
150	042011	5	3,570

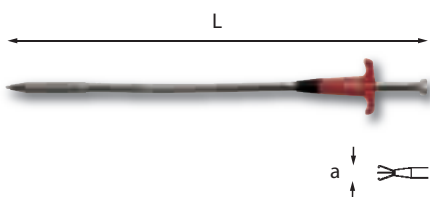


045 N

Tweezers with crossed self-locking tips bent to 45°

- Gripping pads
- Stainless steel body
- Satin finish

L mm	code		YEN
160	045002	2	4,040

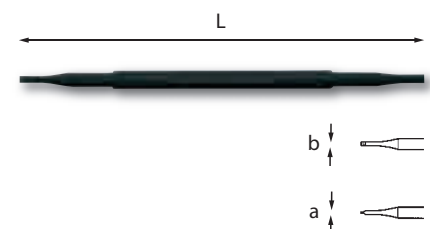


046

Flexible mechanical retrievers

- Retractable three-clawed pincers with push-button control

L mm	a ø max mm	code		YEN
350	30	046035	1	9,780
500	30	046050	1	10,400
700	30	046070	1	14,020

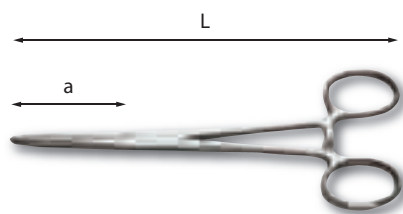


048

Screwdrivers for electronic tuning, for slot-head screws

- For adjusting electronic components
- Anti-static plastic

n°	axb mm	L mm	code		YEN
1	0,5x2 - 0,5x2,4	175	048002	5	1,330
2	0,8x3 - 0,8x4	175	048003	5	1,330



052 N

Self-locking pliers

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

L mm	a mm	code		YEN
140	35	00520003	1	8,790



053 N

Spring puller

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

L mm	code		YEN
200	00530003	1	4,310



054

Pen oiler

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

L mm	capacity cm³	code		YEN
140	5	054001	2	5,330



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		YEN
137	17	00550001	5	2,150



056

Rigid mirror

- Plastic body

L mm	a mm	code		YEN
170	25	056001	5	940



056/1

Articulated mirror

- Telescopic brass rod with pocket clip

L mm	a mm	code		YEN
690	38	056002	2	8,070



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	a gr	code		YEN
100	500	140	00600005	1	24,400



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	a gr	code		YEN
275x170x45	250	00600008	1	45,880



061

Pen-type soldering irons

- Power supply 220 Volts
- Straight long-life tip

power W	temperature max °C	code		YEN
20	320	061002	1	17,740
30	370	061003	1	18,140
50	380	061005	1	19,930



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		YEN
20-40	320-420	063001	1	19,930



063 A

Spare tip, straight

- For 061 and 063

a gr	code		YEN
16	063011	1	4,640



065 C

Suction desoldering pump

- Antistatic tip in teflon

L mm	Ø tip mm	code		YEN
200	2,4	00650001	2	8,530



066

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		YEN
100	540	066001	1	28,300



066 A

Spare tip, extra-fine

gr	code		YEN
20	066101	1	2,880



066 B

Spare tip, fine

gr	code		YEN
20	066102	1	2,880



066 C

Spare tip, medium

gr	code		YEN
20	066103	1	2,880



068 N

Standard soldering irons

- Medium-power traditional model
- Power supply 220 Volts

power W	temperature max °C	code		YEN
50	400	00680005	1	24,330
80	410	00680008	1	29,250



068 NA

Spare tips

power W	code		YEN
50	Q00680002	1	5,380
80	Q00680004	1	5,810



070 N

Standard soldering irons

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

power W	temperature max °C	code		YEN
100	300	070004	1	27,650
180	310	070005	1	31,830



070 NA

Spare tips

power W	code		YEN
100	Q070104	1	6,950
180	Q070105	1	10,000



071A

Soldering wire in Tin alloy with antioxidant

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

gr	code		YEN
500	Q00710001	1	OPEN PRICE



071B

Soldering wire in Tin alloy with antioxidant

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

gr	code		YEN
250	Q00710002	1	OPEN PRICE



073

Insulating tape

- Self-extinguishing PVC

size (mm x m)	code		YEN
15x10	073001	10	500
19x25	073002	10	1,230



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

gr	code	YEN
400	00750002	1 OPEN PRICE



075 D1

Spare fuse for 075 D

- 200 mA

gr	code	YEN
2	Q00750001	1 930



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÷1000V
alternating voltage AC	400mV÷750V
direct current DC	400 μA ÷10A
alternating current AC	400 μA ÷10A
resistance	400 Ω ÷40M Ω
capacity	4nF÷200 μF
temperature with K probe	-40°C÷1000°C
frequency	100Hz÷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	YEN
400	00750003	1 OPEN PRICE



075 E1

Spare fuse for 075 E

- 500 mA

gr	code	YEN
2	Q00750004	1 930



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

gr	code	YEN
250	00750004	1 OPEN PRICE



075 G

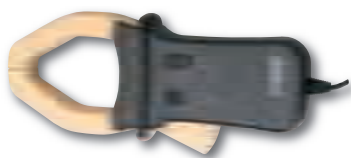
Voltage and continuity tester

- 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 ÷20M Ω
continuity	200 Ω
power	2 batteries 1,5V type AAA

gr	code	YEN
250	00750006	1 33,540



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

gr	code	YEN
520	00750010	OPEN PRICE



075 PD

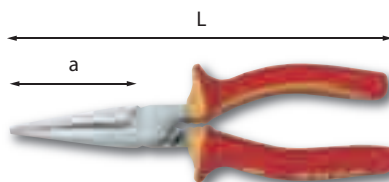
Ammeter and digital multimeter

- 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

gr	code	YEN
520	00750013	OPEN PRICE



1000V

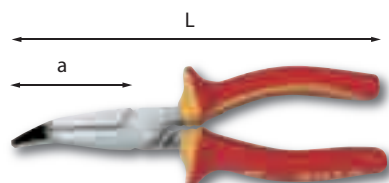
077 N

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/mm² ø max mm	a mm	code	YEN
160	1,6	52	00770003	12,540
200	2	75	00770005	13,700



1000V

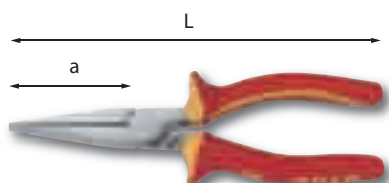
077 PN

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/mm² ø max mm	a mm	code	YEN
160	1,6	46	00770013	13,360
200	2	70	00770015	14,750



1000V

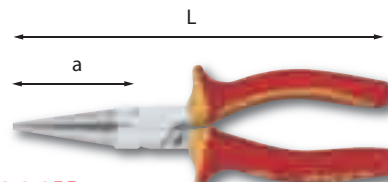
078 N

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	YEN
160	52	00780003	11,300



1000V

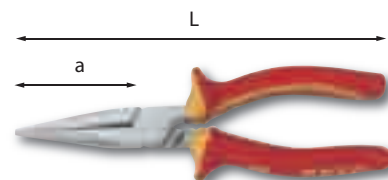
079 N

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	YEN
160	52	00790003	11,300



1000V

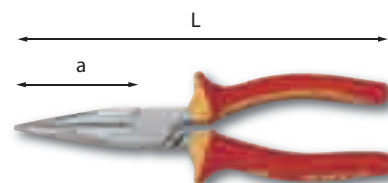
080 N

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	YEN
160	52	00800003	11,080



1000V

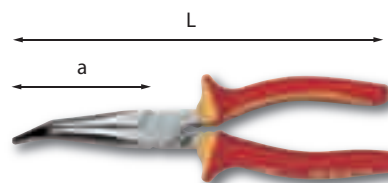
081 N

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/mm² ø max mm	a mm	code	YEN
160	1,6	52	00810003	12,310
200	2	75	00810005	13,060



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/mm² ø max mm	a mm	code	YEN
160	1,6	46	00810013	13,100
200	2	70	00810015	14,020



1000V

082 N

UNI 7923

Wire stripper

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

max mm²	L mm	code		YEN
7	170	00820003	1	11,270



1000V

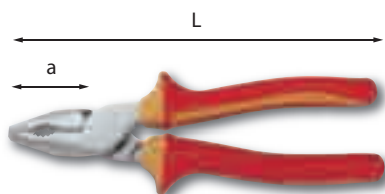
083 N

UNI 8791

Cable cutters for Copper and Aluminium cables

- Insulated ergonomic bimaterial grip
- Chrome plated finish

max mm²	L mm	code		YEN
17	240	00830007	1	24,230



1000V

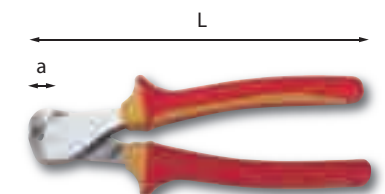
085 N

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	1600 N/mm² ø max mm	a mm	code		YEN
160	1,6	34	00850003	1	11,130
180	1,8	36	00850004	1	11,840
200	2	42	00850005	1	13,550



1000V

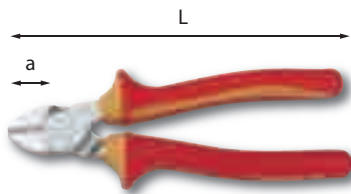
086 N

UNI DIN ISO 5748

End cutting nippers

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

L mm	1600 N/mm² ø max mm	a mm	code		YEN
160	1,6	6,5	00860003	1	14,310



1000V

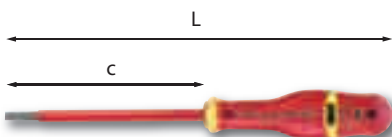
087 N

UNI DIN ISO 5749

Diagonal cutting nippers

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

L mm	1600 N/mm² ø max mm	a mm	code		YEN
140	1,8	15,5	00870002	1	11,080
160	2	16,5	00870003	1	11,570



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		YEN
0,4x2,5x50	144	00920003	5	1,870
0,4x2,5x75	169	00920004	5	1,880
0,5x3x75	179	00920005	5	2,150
0,6x3,5x75	179	00920006	5	2,170
0,6x3,5x100	204	00920007	5	2,240
0,8x4x100	209	00920008	5	2,450
0,8x4x125	259	00920009	5	2,580
1x5,5x125	234	00920010	5	2,840
1x5,5x150	259	00920011	5	2,940
1,2x6,5x150	270	00920012	5	3,670
1,2x8x150	275	00920013	1	4,180
1,6x10x200	325	00920014	1	5,620



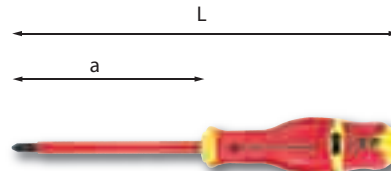
1000V

092 SE4

Set of four screwdrivers for slot-head screws

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

gr	code		YEN
260	00920110	1	6,650



1000V

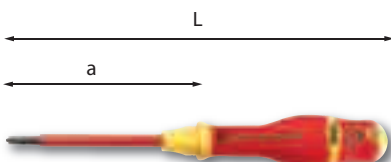
092 PH

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		YEN
0x75	179	00920023	5	2,180
1x100	209	00920025	5	2,640
2x125	245	00920027	5	3,250
3x150	275	00920029	1	4,180
4x200	325	00920031	1	5,230



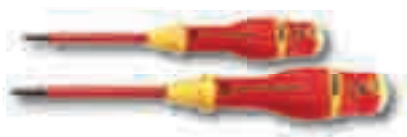
1000V

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		YEN
1x100	209	00920037	1	3,300
2x125	245	00920038	1	3,610



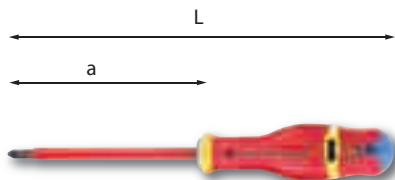
1000V

092 PHB/SE2

Set of two screwdrivers for coupled shape

- 092 PHB/1x100-2x125

gr	code		YEN
250	00920120	1	6,900



1000V

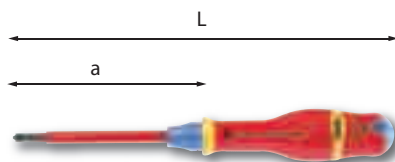
092 PZ

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		YEN
0x75	179	00920040	5	2,140
1x100	209	00920042	5	2,710
2x125	245	00920044	5	3,340
3x150	275	00920046	1	4,320



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		YEN
1x100	209	00920052	1	3,300
2x125	245	00920054	1	3,610



1000V

092 PZB/SE2

Set of two screwdrivers for coupled shape

- 092 PZB/1x100-2x125

gr	code		YEN
250	00920121	1	6,900



1000V

092 SH5

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

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

gr	code		YEN
440	00920100	1	13,290



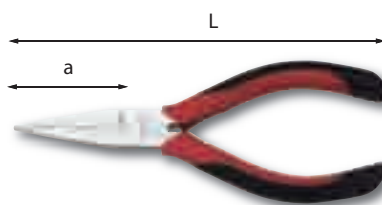
1000V

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

gr	code		YEN
740	00920105	1	22,710



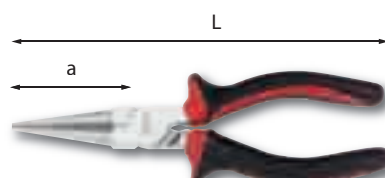
113 M

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		YEN
140	41	113110	2	9,050



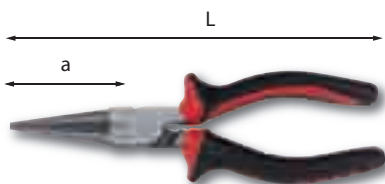
114 A

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		YEN
160	52	114051	2	8,910



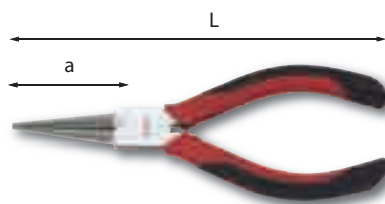
114 B

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		YEN
160	52	114053	2	7,680



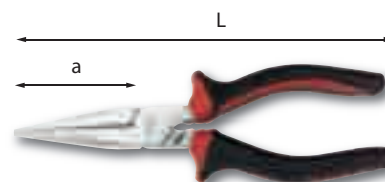
114 M

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		YEN
140	41	114110	2	8,930



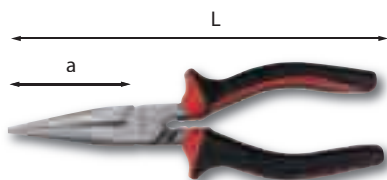
115 A

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		YEN
160	52	115051	2	9,350

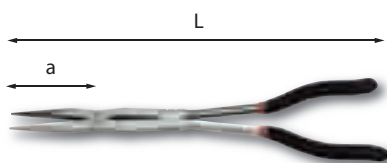


115 B ● UNI 10295 DIN ISO 5745

Half-round long nose pliers with straight jaws

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

L mm	a mm	code		YEN
160	52	115053	2	8,580



115 CL

Double-joint pliers with STRAIGHT half-round jaws

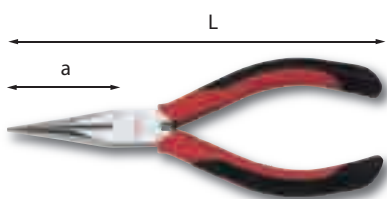
L mm	a mm	code		YEN
340	70	01150020	1	11,620



115 CLP

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

L mm	a mm	code		YEN
340	65	01150021	1	11,620

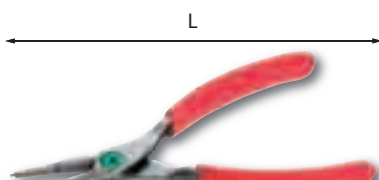


115 M ● ISO 9654

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		YEN
140	41	115110	2	9,050

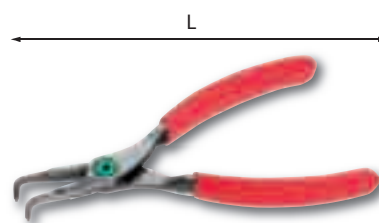


127 N ○ UNI 7914 DIN 5256

Pliers with straight nose for internal circlips

- Handles sheathed in antislip PVC
- Protective enamelled finish

capacity mm	L mm	code		YEN
8÷13	130	01270002	5	6,030
12÷25	140	01270003	5	6,120
19÷60	185	01270004	5	6,700
40÷100	220	01270005	5	8,150
85÷200	280	01270006	2	10,320

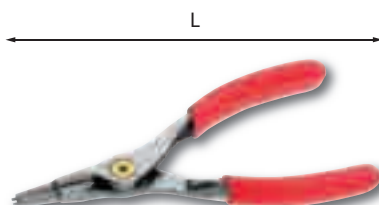


127 PN ○ UNI 7914 DIN 5256

Pliers with nose bent to 90° for internal circlips

- Handles sheathed in antislip PVC
- Protective enamelled finish

capacity mm	L mm	code		YEN
8÷13	122	01270022	5	6,600
12÷25	130	01270023	5	6,760
19÷60	175	01270024	5	7,200
40÷100	205	01270025	5	9,130
85÷200	265	01270026	2	11,170

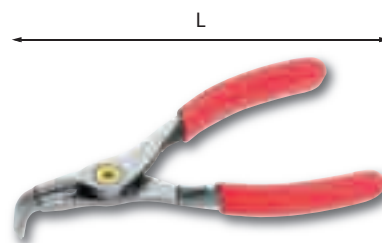


128 N ○ UNI 7915 DIN 5254

Pliers with straight nose for external circlips

- Handles sheathed in antislip PVC
- Protective enamelled finish

capacity mm	L mm	code		YEN
3÷9	140	01280002	5	8,710
10÷25	140	01280003	5	6,700
19÷60	180	01280004	5	7,180
40÷100	220	01280005	5	8,880
85÷200	310	01280006	2	13,100



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		YEN
3÷9	140	01280022	5	8,890
10÷25	140	01280023	5	7,200
19÷60	180	01280024	5	7,800
40÷100	220	01280025	5	9,560
85÷200	310	01280026	2	13,610

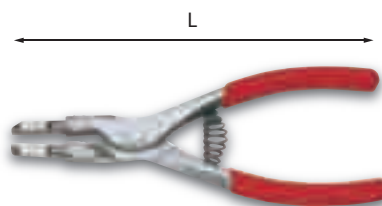


128 SP ○

Pliers with flat knurled jaws for external rings

- Handles sheathed in PVC
- Protective enamelled finish

capacity mm	L mm	code		YEN
30÷100	224	128201	2	14,060

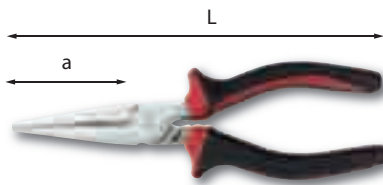


129 ○

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		YEN
15÷62	190	01290002	1	13,420

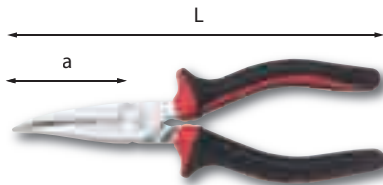


131 A UNI 7925

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 σ max mm	a mm	code		YEN
160	1,6	52	131050	5	10,110
200	2	75	131051	5	10,790

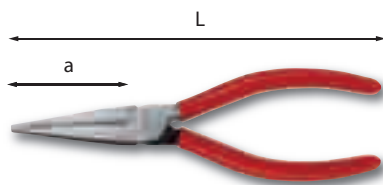


131 AP UNI 7925

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 σ max mm	a mm	code		YEN
160	1,6	46	131060	5	11,110
200	2	70	131061	5	11,990

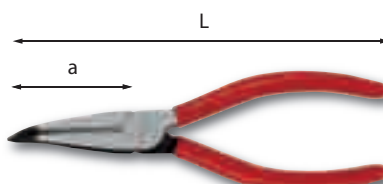


131 C UNI 7925

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 σ max mm	a mm	code		YEN
160	1,6	52	131054	5	8,500
200	2	75	131055	5	8,940

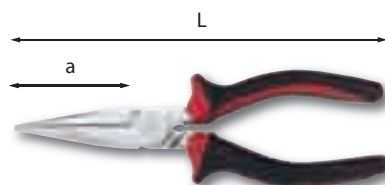


131 CP UNI 7925

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 σ max mm	a mm	code		YEN
160	1,6	46	131064	5	9,130
200	2	70	131065	5	9,660



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 σ max mm	a mm	code		YEN
160	1,6	50	133050	5	9,230
200	2	74	133051	5	9,970



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 σ max mm	a mm	code		YEN
160	1,6	46	133060	5	9,970
200	2	69	133061	5	10,790

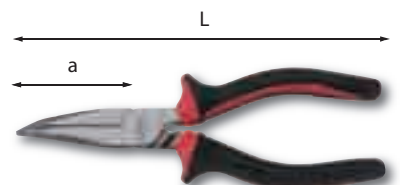


133 B UNI 7926 DIN ISO 5745

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 σ max mm	a mm	code		YEN
160	1,6	50	133052	5	8,450
200	2	74	133053	5	9,070

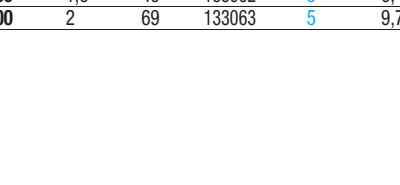


133 BP UNI 7926

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 σ max mm	a mm	code		YEN
160	1,6	46	133062	5	9,420
200	2	69	133063	5	9,720



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 σ max mm	a mm	code		YEN
160	1,6	50	133054	5	7,960
200	2	74	133055	5	8,310

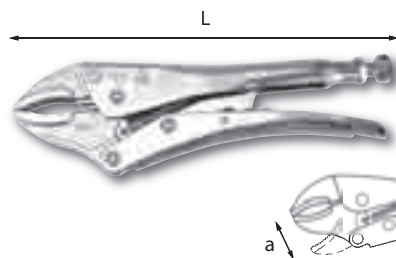


133 CP UNI 7926

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 σ max mm	a mm	code		YEN
160	1,6	46	133064	5	8,740
200	2	69	133065	5	8,850

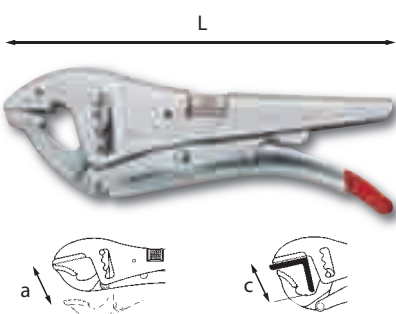


134

Lock-grip pliers with concave jaws

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

L mm	a mm	code		YEN
180	28	134001	5	7,110
250	42	134002	5	7,580
300	65	134003	1	12,850

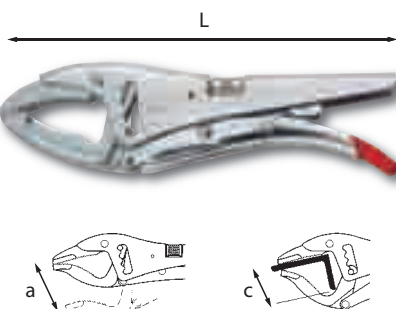


135 F1

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		YEN
230	50	40	135501	1	21,030

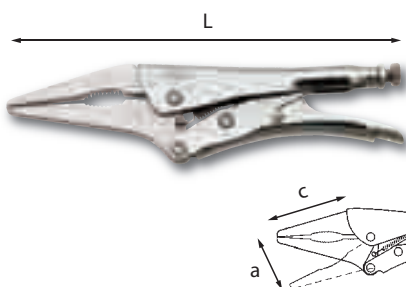


135 F2

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		YEN
255	80	50	135502	1	21,900

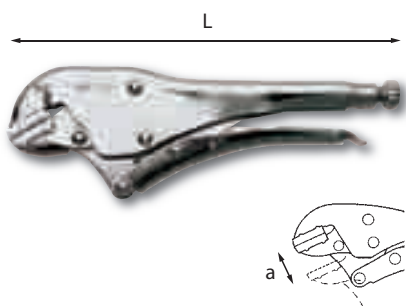


135 L

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		YEN
235	70	80	135401	1	10,160

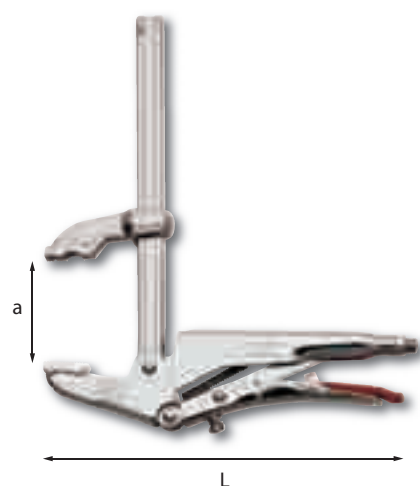


136

Lock-grip pliers with straight parallel jaws

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

L mm	a mm	code		YEN
250	50	136301	1	15,590



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		YEN
100	260	136510	1	28,500
200	260	136511	1	30,960



136 MA

Pair of jaw-covers

- In plastic for use on delicate parts

g gr	code		YEN
20	136520	1	950

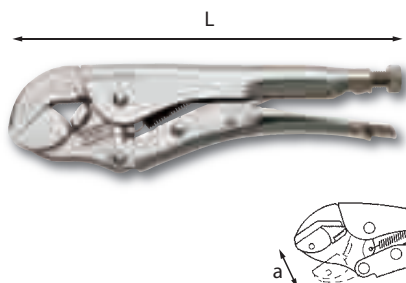


136 MB

Clamp

- For locking the upper jaw in the required position

g gr	code		YEN
60	136521	1	4,680

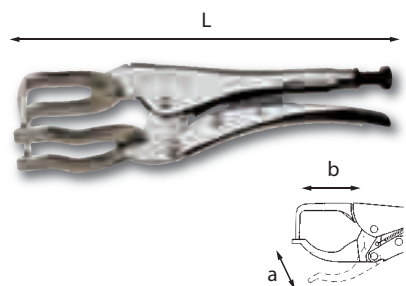


136 SN

Lock-grip pliers with articulated lower jaw

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

L mm	a mm	code		YEN
235	45	136501	1	10,700

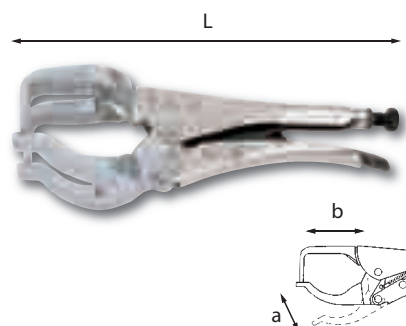


137

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		YEN
280	50	80	137001	1	12,900

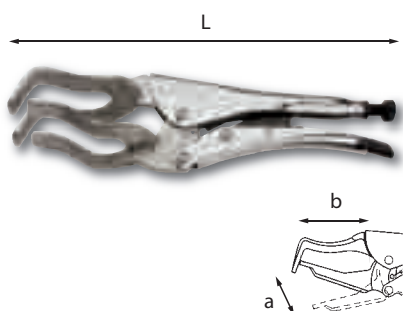


137 AL

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		YEN
275	75	80	137201	1	13,170

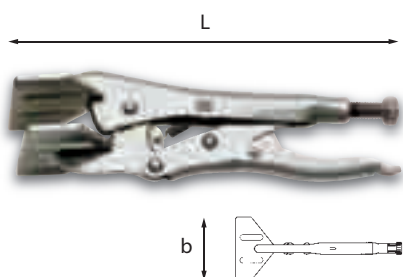


137 T

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		YEN
285	75	80	137101	1	13,290

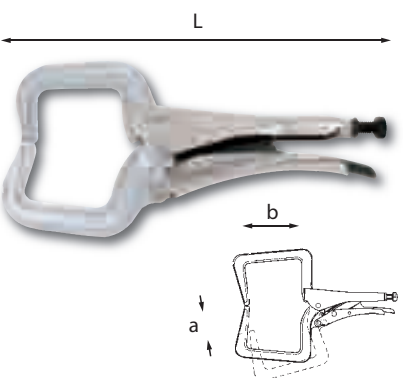


138

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		YEN
200	25	80	138001	1	11,290

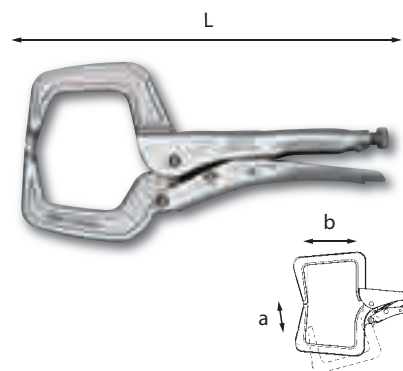


139 AL

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		YEN
290	80	70	139101	1	11,250
350	125	120	139102	1	16,430

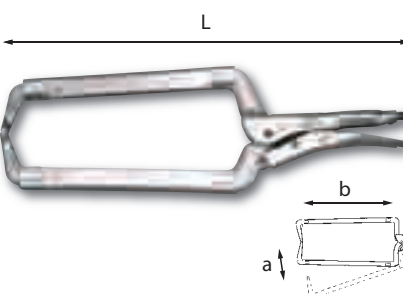


139 AN

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		YEN
280	76	75	139004	1	10,180



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		YEN
450	260	280	139003	1	17,590



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		YEN
1	0,02÷10	15	191	01460001	1	40,130
2	4÷16	15	191	01460002	1	46,480



146 NA

Spare jaws

n°	mm²	code		YEN
1	0,02÷10	Q01460001	1	12,360
2	4÷16	Q01460002	1	17,040

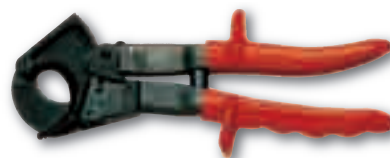


147 N

Wire strippers

- Screw for regulating stripping depth

max mm²	L mm	code		YEN
7	160	147050	5	9,480



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		YEN
32	260	148101	1	107,000
52	280	148102	1	142,350



148 AB

Spare fixed blade

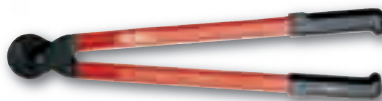
ø mm	code		YEN
32	148111	1	35,020
52	148112	1	54,220



148 AC

Spare mobile blade

ø mm	code		YEN
32	148121	1	27,110
52	148122	1	41,810



148 L

Cable cutters for Copper and Aluminium cables

- Long model with handles in tubular steel
- PVC handgrips

ø max mm	L mm	code		YEN
32	600	148201	1	30,970



148 N

Cable cutters for Copper and Aluminium cables

- Ergonomic bimaterial grip
- Chrome Vanadium steel body

ø max mm	L mm	code		YEN
10	175	148003	1	17,110
17	235	148004	1	21,460



150 A

Combination pliers

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

L mm	2000 N/mm² ø max mm	a mm	code		YEN
160	1,6	34	150050	5	8,060
180	1,8	36	150051	5	8,670
200	2	42	150052	5	10,590



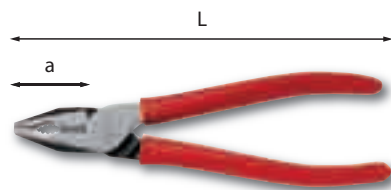
150 B

UNI 9894 DIN ISO 5746

Combination pliers

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

L mm	2000 N/mm² ø max mm	a mm	code		YEN
180	1,8	36	150054	5	7,490
200	2	42	150055	5	9,100



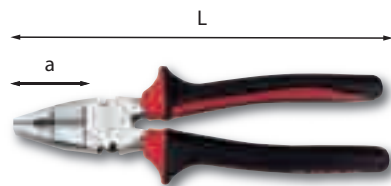
150 C

UNI 9894 DIN ISO 5746

Combination pliers

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

L mm	2000 N/mm² ø max mm	a mm	code		YEN
160	1,6	34	150056	5	6,250
180	1,8	36	150057	5	6,700
200	2	42	150058	5	7,800



156 A

UNI 9894 DIN ISO 5746

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/mm² ø max mm	a mm	code		YEN
160	1,6	35,5	156050	5	10,260
180	1,8	39	156051	5	11,460
200	2	43	156052	5	12,760



157 RV

Empty holders for pliers, cutting nippers and miscellaneous tools

- Enamelled sheet steel

n°	L mm	gr	code		YEN
8	220	265	Q157001	1	5,490
14	440	665	Q157002	1	6,000



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

ø wire mm	L mm	code		YEN
1,6	260	158001	1	48,460



160

Punch pliers

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

ø punches mm	code		YEN
2-2,5-3-3,5-4-4,5	160001	1	7,180



160 A

Spare punches

ø punches mm	code		YEN
2	160101	1	540
2,5	160102	1	540
3	160103	1	540
3,5	160104	1	540
4	160105	1	540
4,5	160106	1	540



160 K

Gasket punch kit

- Assortment of 15 punches
- Cutting capacity: Ø (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		YEN
228x183x44	1,3	01600080	1	54,730



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

ø mm	L mm	code		YEN
6÷25	135	161001	1	20,860



161 B

Spare blade

kg	code		YEN
10	161101	1	2,940



161 A1

Wire stripper with adjustable blade

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

ø max mm	L mm	code		YEN
28	134	01610001	1	6,700



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

ø mm	L mm	code		YEN
28	206	01610002	1	7,170



161 AR

Spare blade

- For 161 A1 and 161 A2

kg	code		YEN
7	Q01610001	1	1,410



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

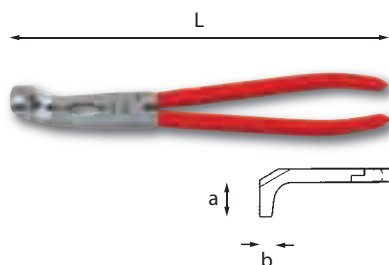
ø mm	L mm	code		YEN
8÷25	170	162001	1	39,330



162 B

Spare blade and pins

kg	code		YEN
10	162101	1	2,690

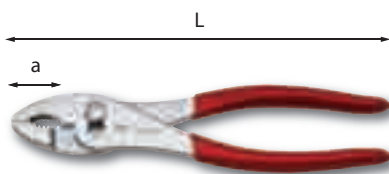


169

Cock nut pliers

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

L mm	a mm	b mm	code	YEN
270	39	10	169001	22,910



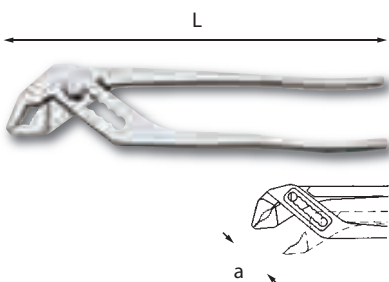
177

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	YEN
165	30	177001	4,370
200	35	177002	5,430



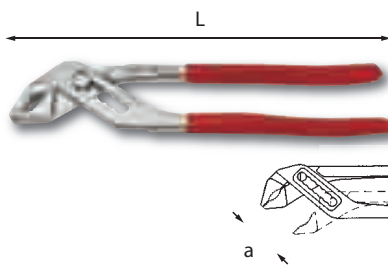
178

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	YEN
190	32	178001	6,790
240	38	178002	8,100
125	15	178003	6,510



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

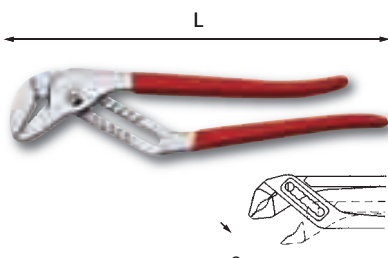
L mm	a mm	code	YEN
125	15	178000	7,300
190	32	178101	7,440
240	38	178102	8,910



178 A

Spare bolt for pliers 178-178I

L mm	code	YEN
125	178201	670
190	178202	680
240	178203	730



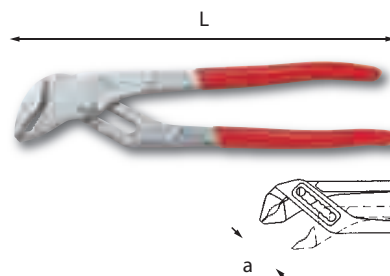
179 L

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	YEN
400	90	179102	18,940



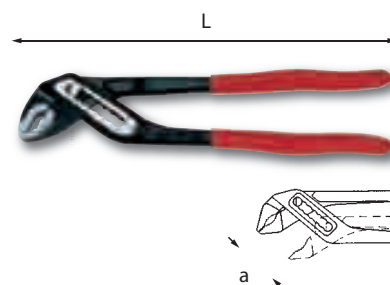
179 N

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	YEN
240	42	01790024	11,390



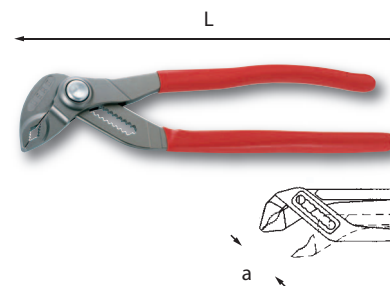
180 C

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	YEN
250	36	01800010	10,230
300	42	01800011	13,500

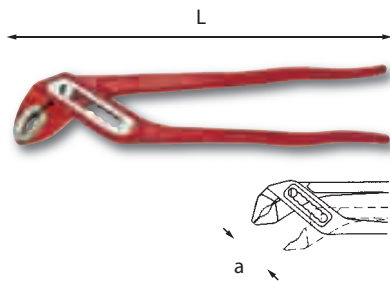


180 N

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	YEN
180	24	01800020	13,010
250	33,8	01800021	13,800



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		YEN
250	36	01800015	5	9,290
300	42	01800016	5	12,130



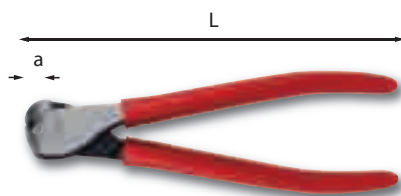
182 A

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		YEN
160	1,6	6,5	182051	2	11,760
200	2	7	182052	2	13,310



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		YEN
160	1,6	6,5	182057	2	8,960
200	2	7	182058	2	10,260



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		YEN
140	1,8	15,5	185051	5	8,790
160	2	16,5	185052	5	9,100



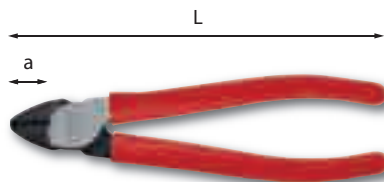
185 B

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		YEN
140	1,8	15,5	185054	5	7,610
160	2	16,5	185055	5	7,830



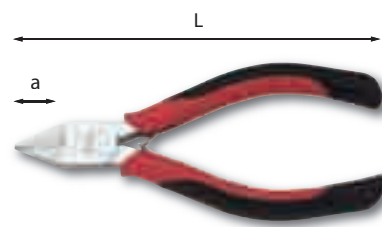
185 C

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		YEN
140	1,8	15,5	185057	5	6,950
160	2	16,5	185058	5	7,030



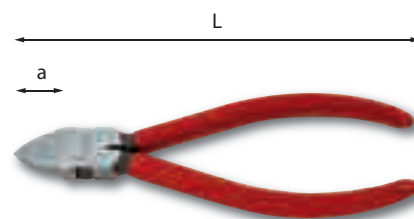
185 M

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		YEN
130	1,4	19	185110	2	9,770



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		YEN
150	22	186060	2	10,110
180	27	186061	2	11,160



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		YEN
140	1,4	15,5	188050	5	9,010
160	1,6	18	188051	5	9,070
180	1,8	20	188052	5	10,540
200	2	22	188053	5	11,790

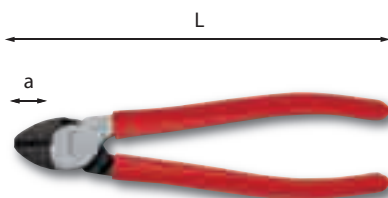


188 B UNI DIN ISO 5749

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		YEN
140	1,4	15,5	188054	5	7,920
160	1,6	18	188055	5	7,730
180	1,8	20	188056	5	9,150
200	2	22	188057	5	10,070

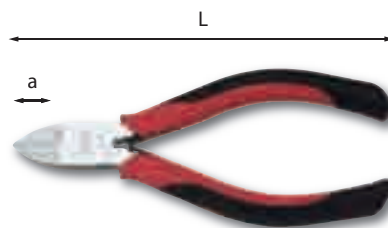


188 C UNI DIN ISO 5749

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		YEN
140	1,4	15,5	188058	5	7,080
160	1,6	18	188059	5	6,870
180	1,8	20	188060	5	8,190
200	2	22	188061	5	9,340

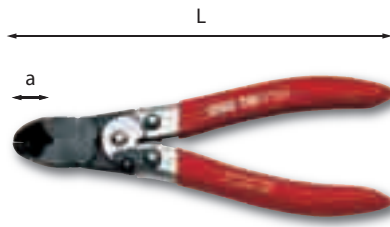


188 M ISO 9654

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		YEN
130	1,6	19	188110	2	9,830

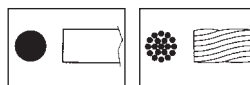
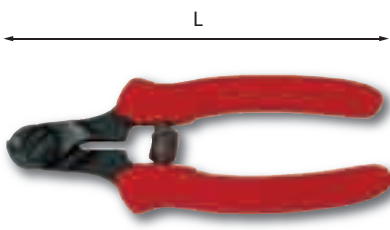


190 I UNI ISO 5747

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		YEN
160	2	16	190101	2	18,140

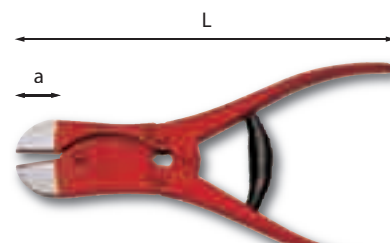


191

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		YEN
165	1,5	5	191001	1	12,730

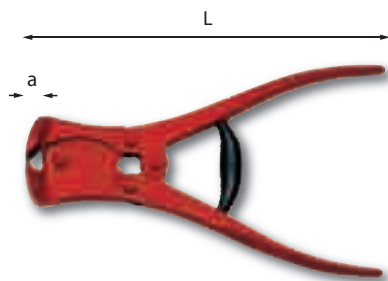


192 UNI DIN ISO 5749

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		YEN
200	2,5	20	192001	1	20,190



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		YEN
180	2	9	194003	1	18,520
210	2,5	10	194004	1	20,070



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		YEN
350	5	6	1,3	01960001	1	19,990



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		YEN
450	6	7	1,9	01960002	1	23,170
600	7	10	3,5	01960003	1	29,170
750	9	13	4,5	01960004	1	37,700
900	10	16	6,1	01960005	1	51,080
1050	11	18	8,3	01960006	1	75,380



196 AN

Spare blades

L mm	code		YEN
R 350	Q01960010	1	10,910
450	Q01960020	1	11,840
600	Q01960030	1	15,560
750	Q01960040	1	19,230
900	Q01960050	1	25,650
1050	Q01960060	1	33,500



199

Pincers for cement layers

- Carbon steel
- Phosphatised finish

L mm	a mm	code		YEN
190	15	199010	5	5,100
250	19	199013	5	6,240
225	17	199015	5	6,290
280	19	199150	5	6,850



200

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		YEN
300	12		450	200001	1	5.180



200 L

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		YEN
300	12		500	02000003	1	4.170



200 S

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		YEN
300		12	385	200002	1	10.240



200 A

Spare blades

- HSS BI-METAL steel model

d mm	mm	blade	"	code		YEN
18	300	12	200103	10	690	
24	300	12	200101	10	690	
32	300	12	200105	10	690	



200 B

Spare blades

- HSS steel model

d mm	mm	blade "	code		YEN
18	300	12	200104	10	580
24	300	12	200102	10	580
32	300	12	200106	10	580



201

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		YEN
150		6	237	201001	10	1.720



201 A

Spare blade

- For 201-201S

gr	code		YEN
3	201101	10	300



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		YEN
150	6		255	02010003	5	2,640



202

Nibbler for sheet steel

- For shaping sheet steel, Copper or synthetic materials

L mm	600 N/mm ² max mm	code		YEN
260	1,2	202001	1	17,190



202 A

Spare blade

gr	code		YEN
19	202101	5	3,180



202 B

Spare jaws

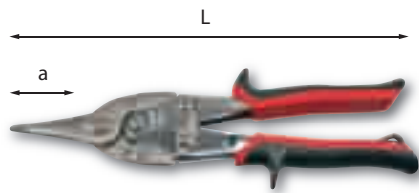
gr	code		YEN
32	202201	1	3,340



202 C

Spare spring

gr	code	YEN
4	202202	200

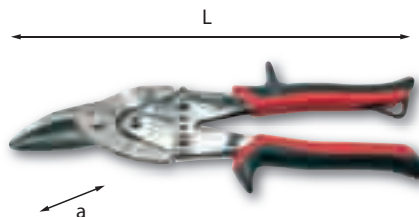


203 AN

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	YEN
250	50	1,5	1	02030001	10,590

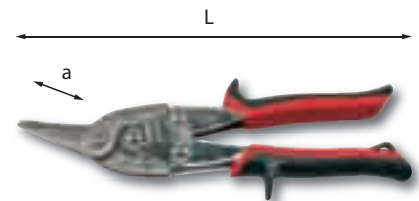


203 BN

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	YEN
250	40	1,5	1	02030002	10,590

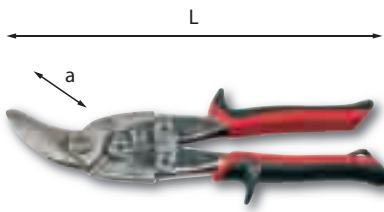


203 CN

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	YEN
250	40	1,5	1	02030003	10,590

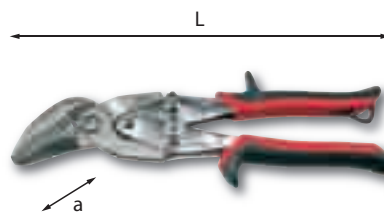


203 DN

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	YEN
260	40	1,8	1,2	02030004	17,190



203 EN

Toggle joint shears for sheet steel

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

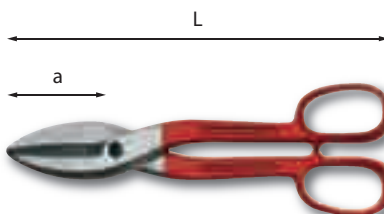
L mm	a mm	400 N/mm ² max mm	600 N/mm ² max mm	code	YEN
260	40	1,8	1,2	02030005	17,190



203 A

Spare springs

n°	code	YEN
1 for 203 AN-CN-DN	Q02030006	240
2 for 203 BN-EN	Q02030007	240

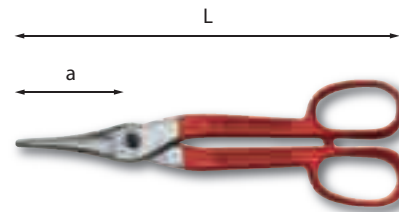


204

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	YEN
200	48	1	0,7	204002	5,810
250	58	1,2	0,8	204004	7,030
300	75	1,5	1	204006	9,030
350	95	1,5	1	204008	12,170

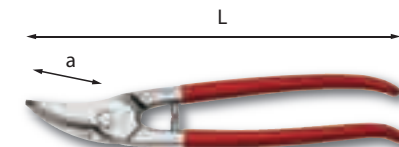


205

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	YEN
200	48	1	0,7	205001	6,140
300	72	1,2	0,8	205002	9,680

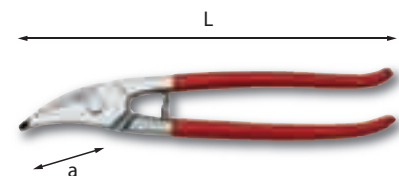


206 A

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	YEN
280	46	1,5	1	206101	9,180

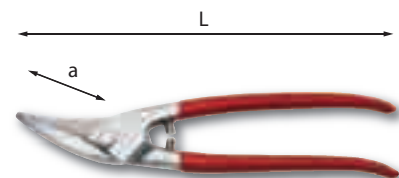


206 B

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	YEN
280	46	1,5	1	206102	9,180

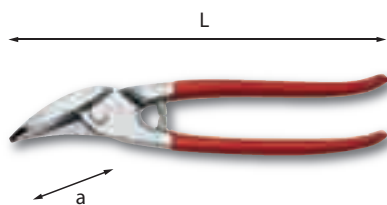


206 C

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	YEN
280	50	1,5	1	206103	9,850

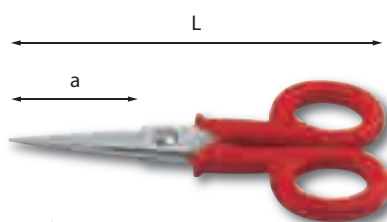


206 D

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		YEN
280	50	1,5	1	206104	1	9,850

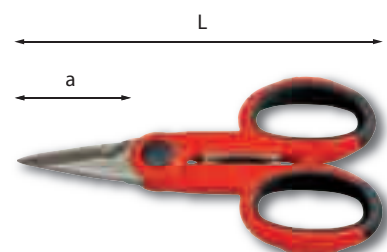


207 A

Scissors for electricians

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

L mm	a mm	gr	code		YEN
145	47	90	207101	5	3,410

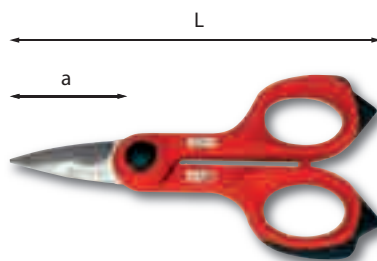


207 C

Scissors for electricians

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

L mm	a mm	gr	code		YEN
143	45	80	02070004	5	4,580

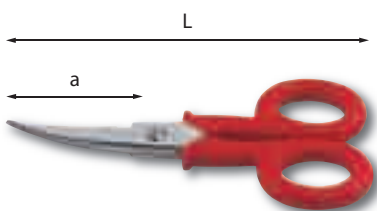


207 D

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		YEN
150	43	90	02070005	1	5,810

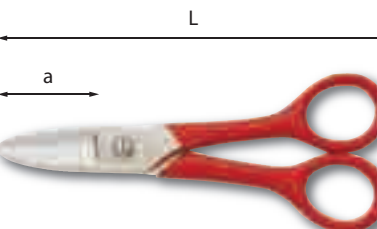


208 A

Scissors for electricians

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

L mm	a mm	gr	code		YEN
145	47	90	208101	5	3,530



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		YEN
150	33	120	209001	5	3,410

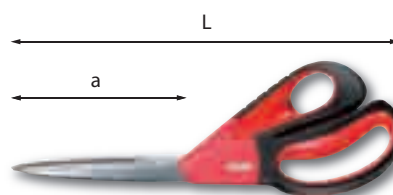


210 A

Professional multi-purpose scissors

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

L mm	gr	code		YEN
175	70	02100001	5	4,260

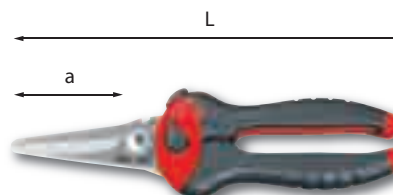


210 C

Multi-purpose scissors

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

L mm	a mm	gr	code		YEN
280	100	250	02100003	1	5,930

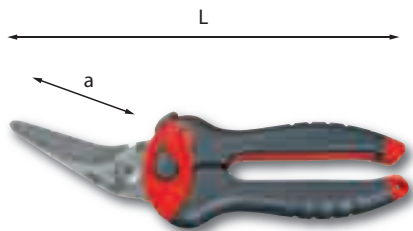


211 A

Multi-purpose scissors

- Blade with micro antislip toothing
- 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		YEN
210	60	200	02110001	1	6,760

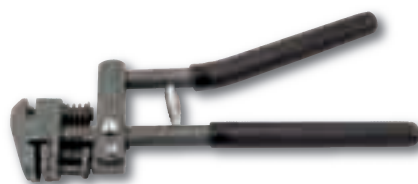


211 B

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	gr	code		YEN
200	55	200	02110002	1	7,140

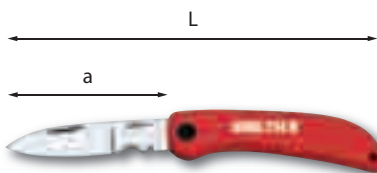


215 B

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		YEN
0,8	290	215002	1	45,230

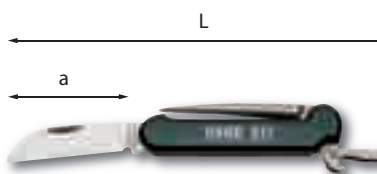


216 N

Knife for electricians

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

L mm	a mm	code		YEN
200	85	02160001	5	3,360



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		YEN
185	75	217001	1	12,760



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		YEN
173	02200000	6	1,210



220 AR

Spare blades (100 pcs)

gr	code		YEN
240	Q2200001	1	10,700



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		YEN
173	02200001	6	1,960



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		YEN
172	02200002	6	4,130



220 BR

Spare blades (100 pcs)

gr	code		YEN
520	Q2200002	1	13,940



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		YEN
167	02200003	2	7,920



220 CR

Spare blades (50 pcs)

gr	code		YEN
700	Q02200003	1	17,760

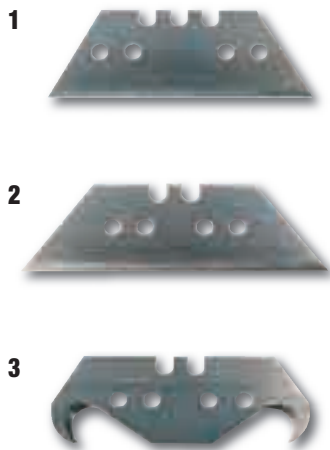


221 AN

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	gr	code		YEN
160	177	02210001	2	3,530



221 AR

Spare blades

n°	type	code		YEN
1	Standard blade (100 pcs)	Q221001	1	12,250
2	Standard long blade (100 pcs)	Q221002	1	13,990
3	Double-hooked blade (50 pcs)	Q221003	1	14,720

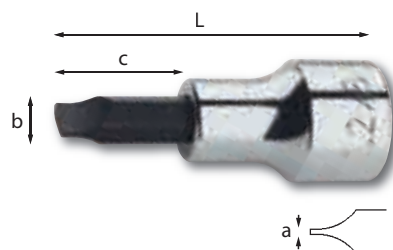


221 B

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		YEN
173	02210002	6	2,690



231 1/4" N

UNI 10562-1
ISO 2380-1 DIN 5264

Socket bits for slot-head screws

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

axbxc mm	L mm	code		YEN
1,2x6,5x14	33	02310012	5	2,010
1,2x8x14	33	02310014	5	2,010
0,6x4x14	33	02310009	5	2,010

231 3/8" N

UNI 10562-1
ISO 2380-1 DIN 5264

Socket bits for slot-head screws

axbxc mm	L mm	code		YEN
0,8x5,5x24	52	02311010	5	3,960
1x6,5x24	52	02311012	5	3,960
1,2x8x24	52	02311014	5	3,960

231 1/2" N

UNI 10562-1
ISO 2380-1 DIN 5264

Socket bits for slot-head screws

axbxc mm	L mm	code		YEN
1,2x8x24	60	02312014	5	4,290
1,6x10x24	60	02312016	5	4,290
2x12x24	60	02312018	5	4,290



232 1/4" NPH

UNI-ISO 8764-1

Socket bits for PHILLIPS® screws

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

n°xb mm	L mm	code		YEN
1x14	33	02320011	5	2,060
2x14	33	02320012	5	2,060
3x14	33	02320013	5	2,060

232 3/8" NPH

UNI-ISO 8764-1

Socket bits for PHILLIPS® screws

n°xb mm	L mm	code		YEN
1x24	50	02321011	5	3,620
2x24	50	02321012	5	3,620
3x24	50	02321013	5	3,620

232 1/2" NPH

UNI-ISO 8764-1

Socket bits for PHILLIPS® screws

n°xb mm	L mm	code		YEN
2x24	60	02322012	5	3,830
3x24	60	02322013	5	3,830
4x24	60	02322014	5	3,830



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		YEN
T8x14	33	02330110	5	2,220
T9x14	33	02330111	5	2,220
T10x14	33	02330112	5	2,220
T15x14	33	02330113	5	2,220
T20x14	33	02330114	5	2,220
T25x14	33	02330115	5	2,220
T27x14	33	02330116	5	2,220
T30x14	33	02330117	5	2,220
T40x14	33	02330119	5	2,220

233 3/8" NTX

Socket bits for TORX® screws

n°xb mm	L mm	code		YEN
T10x24	51	02331110	5	3,470
T15x24	51	02331111	5	3,470
T20x24	51	02331112	5	3,470
T25x24	51	02331113	5	3,470
T27x24	51	02331114	5	3,590
T30x24	51	02331115	5	3,590
T40x24	51	02331116	5	3,690
T45x24	51	02331118	5	3,690
T50x24	51	02331120	5	3,690

233 1/2" NTX

Socket bits for TORX® screws

n°xb mm	L mm	code		YEN
T20x24	60	02332105	5	4,130
T25x24	60	02332107	5	4,130
T27x24	60	02332109	5	4,130
T30x24	60	02332111	5	4,130
T40x24	60	02332113	5	4,130
T40Lx84	120	02332114	1	4,730
T45x24	60	02332115	5	4,290
T45Lx84	120	02332116	1	4,820
T50x24	60	02332117	5	4,400
T55x24	60	02332119	5	5,620
T55Lx104	140	02332120	1	6,140
T60x24	60	02332121	5	5,650
T70Lx104	140	02332124	1	6,950



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

gr	code		YEN
400	02331551	1	27,420

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

kg	code	YEN
800	02332551	43,400

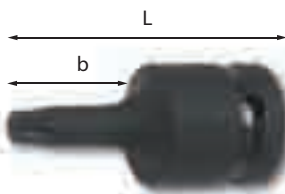


233 1/2" NTX/C9

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	kg	code	YEN
240x90x40	1,2	02332555	52,370



233 1/2" MNTX

Socket bits for TORX® screws

- Special Chrome Molybdenum steel
- Phosphatised finish

n°xb mm	L mm	code	YEN
T30x30	55	233610	4,400
T40x30	55	233611	4,400
T45x30	55	233612	4,670
T50x30	55	233613	4,670
T55x30	55	233614	5,730
T60x30	55	233615	5,730

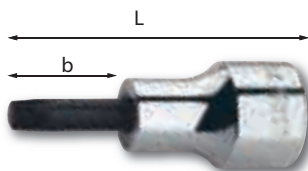


233 1/2" MNTX/C6

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	kg	code	YEN
240x90x40	1	02332560	41,130



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	YEN
5x24	60	02332152	4,480
6x24	60	02332153	4,480
6Lx64	100	02332154	4,910
8x24	60	02332156	4,480
8Lx64	100	02332157	5,230
10x24	60	02332159	4,940
10Lx64	100	02332160	5,790
10L1x84	120	02332161	6,580
12x24	60	02332163	5,320
12Lx64	100	02332164	6,380
12L1x104	140	02332165	7,370
14x24	60	02332167	6,410
14Lx64	100	02332168	7,470
16x24	60	02332170	7,180



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

kg	code	YEN
700	02332509	42,410



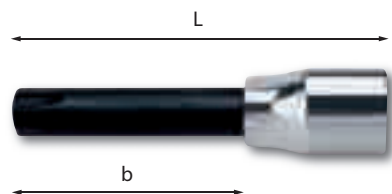
233 1/2" NXZN/S8

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

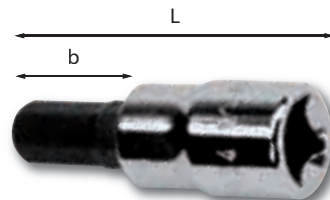
kg	code	YEN
840	02332510	44,130



233 1/2" NS

Socket wrenches for splined hexagonal screws (RIBE)

n°	b mm	L mm	code	YEN
7	24	60	02332005	4,890
7L	64	100	02332006	5,290
9L	64	100	02332012	5,400
10	24	60	02332014	5,670
10L	64	100	02332015	6,000
12L	64	100	02332018	6,220
14L	64	100	02332021	6,810
16L	64	100	02332024	7,230



234 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	YEN
2,5x14	33	02340004	1,970
3x14	33	02340008	1,970
4x14	33	02340016	1,970
5x14	33	02340024	1,970
6x14	33	02340028	1,970
7x14	33	02340032	1,970
8x14	33	02340036	1,970

234 3/8" N

UNI ISO 2936 DIN 7422

Socket bits for Allen screws

n°xb mm	L mm	code		YEN
2,5x24	51	02341004	5	3,000
3x24	51	02341008	5	3,000
4x24	51	02341016	5	3,000
5x24	51	02341024	5	3,000
6x24	51	02341028	5	3,000
7x24	51	02341032	5	3,000
8x24	51	02341036	5	3,000
10x24	51	02341040	5	3,000

234 1/2" N

UNI ISO 2936 DIN 7422

Socket bits for Allen screws

n°xb mm	L mm	code		YEN
5x24	60	02342004	5	3,270
5L2x144	180	02342007	1	4,480
6x24	60	02342008	5	3,270
6Lx64	100	02342009	1	3,590
6L1x104	140	02342010	1	4,290
6L2x184	220	02342011	1	5,080
7x24	60	02342012	5	3,270
7Lx64	100	02342013	1	3,590
8x24	60	02342016	5	3,270
8Lx64	100	02342017	1	3,590
10x24	60	02342022	5	3,270
10Lx104	140	02342023	1	3,960
12x24	60	02342027	5	3,620
12Lx64	100	02342029	1	4,360
14x24	60	02342033	5	3,620
17x24	60	02342040	5	4,070
19x24	60	02342048	5	4,730

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

g	code		YEN
500	02341510	1	26,570

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

g	code		YEN
900	02342510	1	30,240



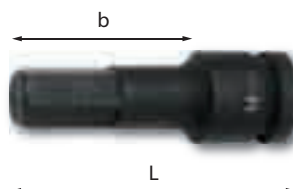
234 1/2" N/S8L

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

g	code		YEN
1,2	02342511	1	35,530

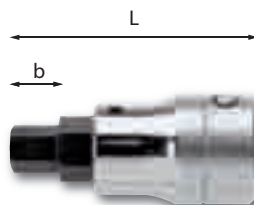


234 1/2" MN

Socket bits for Allen screws

- Special Chrome Molybdenum steel
- Phosphatised finish

n°xb mm	L mm	code		YEN
8x30	75	234713	1	3,880
10x30	75	234714	1	3,880
12x30	75	234715	1	4,070
14x30	75	234716	1	4,070
17x30	75	234717	1	4,180
19x30	75	234718	1	4,290



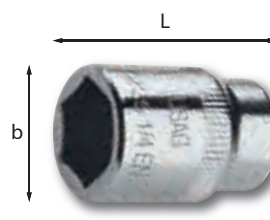
234 3/4" N

UNI ISO 2936 DIN 7422

Socket bits for Allen screws

- Special Chrome Vanadium steel
- Chrome plated finish

n°xb mm	L mm	code		YEN
14x45	75	02343003	1	8,910
17x45	75	02343010	1	8,670
19x45	75	02343018	1	8,660
22x45	75	02343025	1	9,150



235 1/4" EN

UNI-ISO 2725-1 DIN 3124

hexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code		YEN
4	6,9	22	02350103	5	1,040
4,5	7,5	22	02350104	5	1,040
5	8,2	22	02350105	5	1,040
5,5	8,8	22	02350106	5	1,040
6	9,4	22	02350107	5	1,040
7	10,9	22	02350108	5	1,040
8	11,9	22	02350109	5	1,040
9	13,1	22	02350110	5	1,040
10	14,6	22	02350111	5	1,040
11	15,7	22	02350112	5	1,040
12	16,9	22	02350113	5	1,040
13	17,6	22	02350114	5	1,040
14	18,6	22	02350115	5	1,040

235 1/4" EPN

hexagonal sockets

O "	b mm	L mm	code		YEN
1/8	5,9	22	02350151	2	1,140
5/32	6,9	22	02350152	2	1,140
3/16	8	22	02350153	2	1,140
7/32	9	22	02350154	2	1,140
1/4	10,1	22	02350155	2	1,140
9/32	10,9	22	02350156	2	1,140
5/16	11,9	22	02350157	2	1,140
11/32	13,1	22	02350158	2	1,140
3/8	14,6	22	02350159	2	1,140
7/16	15,7	22	02350161	2	1,140
1/2	17,6	22	02350162	2	1,140
9/16	18,6	22	02350164	2	1,140



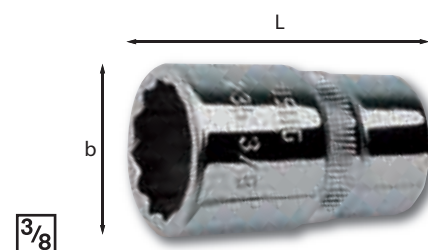
235 1/4" EL

UNI-ISO 2725-1 DIN 3124

long hexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code		YEN
4	6,5	50	235532	2	2,490
4,5	7	50	235533	2	2,490
5	7,5	50	235534	2	2,490
5,5	8,5	50	235535	2	2,490
6	9,5	50	235536	2	2,490
7	10,5	50	235537	2	2,490
8	12	50	235538	2	2,490
9	13	50	235539	2	2,490
10	14	50	235540	2	2,540
11	16	50	235541	2	2,540
12	17	50	235542	2	2,670
13	17,5	50	235543	2	2,670
14	20	50	235544	2	2,860



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

FullContact bihexagonal sockets

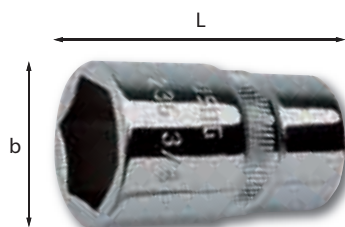
- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code		YEN
6	9,2	27	235001	5	1,750
7	10,5	27	235002	5	1,750
8	11,8	27	235003	5	1,750
9	13	27	235004	5	1,750
10	14,4	27	235005	5	1,750
11	15,6	27	235006	5	1,750
12	16,5	27	235007	5	1,750
13	18,4	30	235008	5	1,750
14	19,4	30	235009	5	1,750
15	20,7	30	235010	5	1,960
16	21,9	30	235011	5	2,040
17	23,3	30	235012	5	2,040
18	24,6	33	235013	5	2,040
19	25,9	33	235014	5	2,040
22	29,6	33	235015	5	2,290
20	27,1	33	235118	5	2,070
21	28,4	33	235119	5	2,120

235 3/8" P

FullContact bihexagonal sockets

O"	b mm	L mm	code		YEN
1/4	10,5	27	235016	2	2,030
5/16	11,8	27	235017	2	2,030
3/8	14,4	27	235019	2	2,030
7/16	15,6	27	235020	2	2,030
1/2	18	30	235021	2	2,030
9/16	19,4	30	235022	2	2,030
5/8	21,9	30	235024	2	2,260
11/16	23,9	33	235025	2	2,260
3/4	25,9	33	235026	2	2,300
13/16	27,9	33	235027	2	2,480
7/8	29,6	33	235028	2	2,610



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		YEN
6	9,2	27	235130	5	1,750
7	10,5	27	235131	5	1,750
8	11,8	27	235132	5	1,750
9	13	27	235133	5	1,750
10	14,4	27	235134	5	1,750
11	15,6	27	235135	5	1,750
12	16,5	27	235136	5	1,750
13	18,4	30	235137	5	1,750
14	19,4	30	235138	5	1,750
15	20,7	30	235139	5	1,960
16	21,9	30	235140	5	2,040
17	23,3	30	235141	5	2,040
18	24,6	33	235142	5	2,040
19	25,9	33	235143	5	2,040
20	27,1	33	235144	5	2,120
21	28,4	33	235145	5	2,180
22	29,6	33	235146	5	2,290



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		YEN
900	235086	1	37,730

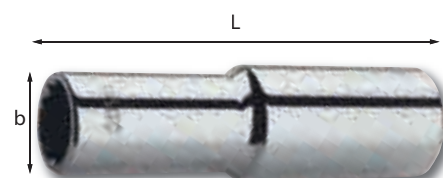
235 3/8" E/S17

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		YEN
900	235194	1	37,830

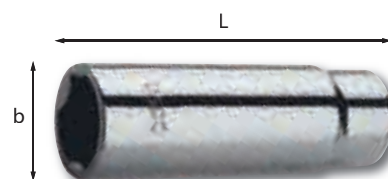


235 3/8" LN UNI-ISO 2725-1 DIN 3124

FullContact long bihexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code		YEN
8	11,8	65	02351206	2	3,430
9	13	65	02351207	2	3,430
10	14,2	65	02351208	2	3,430
11	15,5	65	02351209	2	3,430
12	16,7	65	02351210	2	3,430
13	18,2	65	02351211	2	3,530
14	19,5	65	02351212	2	3,530
15	21	65	02351213	2	3,530
16	22	65	02351214	2	3,860
17	23,2	65	02351215	2	3,860
18	24,5	65	02351216	2	4,070
19	26	65	02351217	2	4,070
20	27	65	02351218	2	4,150
21	28	65	02351219	2	4,260
22	29,5	65	02351220	2	4,340

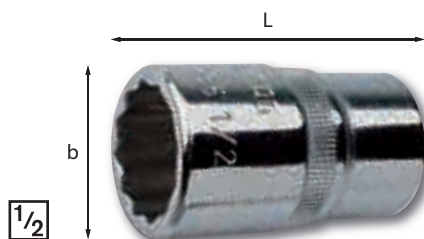


235 3/8" ELN UNI-ISO 2725-1 DIN 3124

FullContact long hexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code		YEN
8	11,8	65	02351306	2	3,430
9	13	65	02351307	2	3,430
10	14,2	65	02351308	2	3,430
11	15,5	65	02351309	2	3,430
12	16,7	65	02351310	2	3,430
13	18,2	65	02351311	2	3,530
14	19,5	65	02351312	2	3,530
15	21	65	02351313	2	3,530
16	22	65	02351314	2	3,860
17	23,2	65	02351315	2	3,860
18	24,5	65	02351316	2	4,070
19	26	65	02351317	2	4,070
20	27	65	02351318	2	4,150
21	28	65	02351319	2	4,260
22	29,5	65	02351320	2	4,340



235 1/2 " N

UNI-ISO 2725-1 DIN 3124

FullContact? bihexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code		YEN
8	13,1	36	02352003	5	1,710
9	13,8	36	02352004	5	1,710
10	15,3	36	02352005	5	1,710
11	16,5	36	02352006	5	1,710
12	17,8	36	02352007	5	1,710
13	18,9	36	02352008	5	1,870
14	20,2	36	02352009	5	1,870
15	21,4	36	02352010	5	1,980
16	22,6	36	02352011	5	2,010
17	24,1	36	02352012	5	2,060
18	25,4	36	02352013	5	2,060
19	26,6	36	02352014	5	2,060
20	27,4	36	02352015	5	2,400
21	29,1	38	02352016	5	2,400
22	30,4	38	02352017	5	2,400
23	31,6	38	02352018	5	2,650
24	32,7	38	02352019	5	2,650
25	34,1	38	02352020	5	2,650
26	35,4	38	02352021	5	2,770
27	36,6	44	02352022	5	2,770
28	37,9	44	02352023	5	2,770
29	38,7	44	02352024	5	2,920
30	40,4	44	02352025	5	2,920
32	42,5	44	02352027	5	3,080

235 1/2 " N/SE15

Set of fifteen bihexagonal sockets

pcs size	item
15 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22	235 1/2" N

kg	code		YEN
1	02359215	1	29,540

235 1/2 " N/SE23

Set of twenty-three bihexagonal sockets

pcs size	item
23 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32	235 1/2" N

kg	code		YEN
2,2	02359217	1	51,710

235 1/2 " PN

FullContact? bihexagonal sockets

O mm	b mm	L mm	code		YEN
3/8	14,7	36	02352053	2	1,980
7/16	16,5	36	02352054	2	1,980
1/2	18,9	36	02352055	2	1,980
9/16	20,2	36	02352057	2	2,060
5/8	22,6	36	02352059	2	2,150
11/16	24,6	36	02352061	2	2,420
3/4	27	36	02352062	2	2,420
13/16	28,6	38	02352064	2	2,700
7/8	30,4	38	02352065	2	2,700
15/16	32,7	38	02352067	2	2,940
1	34,7	38	02352068	2	3,130
1 1/16	36,6	44	02352069	2	3,130
1 1/8	38,7	44	02352070	2	3,130
1 3/16	40,4	44	02352071	2	3,350
1 1/4	42,5	44	02352072	2	3,410



235 1/2 " EN

UNI-ISO 2725-1 DIN 3124

FullContact? hexagonal sockets

- Special Chrome Molybdenum steel
- Chrome plated finish

O mm	b mm	L mm	code		YEN
8	13,1	36	02352103	5	1,710
9	13,8	36	02352104	5	1,710
10	15,3	36	02352105	5	1,710
11	16,5	36	02352106	5	1,710
12	17,8	36	02352107	5	1,710
13	18,9	36	02352108	5	1,870
14	20,2	36	02352109	5	1,870
15	21,4	36	02352110	5	1,980
16	22,6	36	02352111	5	2,010
17	24,1	36	02352112	5	2,060
18	25,4	36	02352113	5	2,060
19	26,6	36	02352114	5	2,060
20	27,4	36	02352115	5	2,400
21	29,1	38	02352116	5	2,400
22	30,4	38	02352117	5	2,400
23	31,6	38	02352118	5	2,650
24	32,7	38	02352119	5	2,650
25	34,1	38	02352120	5	2,650
26	35,4	38	02352121	5	2,770
27	36,6	44	02352122	5	2,770
28	37,9	44	02352123	5	2,770
29	38,7	44	02352124	5	2,920
30	40,4	44	02352125	5	2,920
32	42,5	44	02352127	5	3,120

235 1/2 " EN/SE15

Set of fifteen hexagonal sockets

pcs size	item
15 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22	235 1/2" EN

kg	code		YEN
1	02359205	1	29,540

235 1/2 " EN/SE23

Set of twenty-three hexagonal sockets

pcs size	item
23 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32	235 1/2" EN

kg	code		YEN
2,2	02359207	1	51,750



235 1/2 " N/S15

Set of fifteen bihexagonal sockets

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

pcs size	item
15 10-11-12-13-14-15-16-17-19-20-22-24-27-30-32	235 1/2" N

kg	code		YEN
1,7	02359225	1	38,280

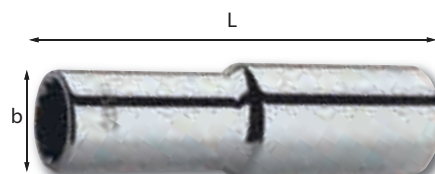
235 1/2 " EN/S15

Set of fifteen hexagonal sockets

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

pcs size	item
15 10-11-12-13-14-15-16-17-19-20-22-24-27-30-32	235 1/2" EN

kg	code		YEN
1,6	02359220	1	38,320



235 1/2 " 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		YEN
10	15	83	02352205	5	4,270
11	16,3	83	02352206	5	4,270
12	17,8	83	02352207	5	4,500
13	18,8	83	02352208	5	4,500
14	20	83	02352209	5	4,500
15	21,3	83	02352210	5	4,500
16	22,5	83	02352211	5	4,860
17	23,8	83	02352212	5	4,860
18	25	83	02352213	5	4,860
19	26	83	02352214	5	4,860
21	28,5	83	02352216	5	5,520
22	30	83	02352217	5	5,520
24	32,7	83	02352219	5	5,780
27	36	83	02352222	5	6,070
30	40	83	02352225	5	7,110
32	42	83	02352227	5	7,350