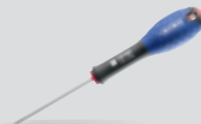


A large, stylized blue hand is the central graphic, holding several white icons of tools and a car. The icons include a power drill, a toolbox, pliers, a wrench, a screwdriver, and a car. The text 'CATALOG 2018' is written in bold blue letters inside a white circle on the palm of the hand.

CATALOG 2018

EXPERT-BY-FACOM.COM

EXPERT
by FACOM





EXPERT by FACOM provides an affordable solution to all industrial and automotive professionals.

Accurate and safe

EXPERT tools are designed, developed and produced by FACOM's R&D teams to meet the professionals' requirements and industrial and automotive standards.

Strong, high quality

EXPERT by FACOM, an extensive range of tools designed to withstand professional use.

Fair value, no more, no less

A unique quality-price ratio to ensure all professionals remain competitive.

Range complying with international standards

All EXPERT by FACOM tools comply with current DIN and ISO international standards.



A brand backed by a global organisation.

**NORTH
AMERICA**
United States

EUROPE
Germany
Austria
Belgium
Spain
France
Greece
Italy
Netherlands
Portugal
United Kingdom
Switzerland

SCANDINAVIA
Denmark
Finland
Norway
Sweden

**NORTH
AFRICA**
Algeria
Morocco
Tunisia

MEA
Middle-East
Africa

**EUROPEAN LOGISTICS CENTRE LOCATED
IN DAMPARIS (JURA - FRANCE)**



**2,500 TOOL REFERENCES FOR
INDUSTRY AND AUTOMOTIVE**



**ESSENTIAL SERVICES
ON EXPERTBYFACOM.COM**

- All references are accessible in the product database
- Online catalogue, brochures, user manuals
- Retail network mapped to help you find the dealer closest to you.



EASTERN EUROPE

Bulgaria
Hungary
Poland
Czech Republic
Russia
Romania
Serbia
Slovenia

A BRAND PROMOTED BY THE FACOM SALES TEAMS



EXPERT WARRANTY

Unless specified otherwise, warranty against all manufacturing flaws and defects, applicable to all tools in the range. Faulty parts will be replaced or repaired, under conditions. The warranty does not cover cases of inappropriate use, modified tools, poor maintenance. The EXPERT approved distributor receiving the product accepts or declines application of the warranty according to its terms and after validation by the EXPERT representative or technical department.



PRODUCT FINDER

STORAGE **P.6**



WRENCHES **P.20**



RATCHETS - SOCKETS **P.46**



SCREWDRIVERS, KEYS & BITS **P.102**



TORQUE CONTROL **P.136**



POWER TOOLS **P.140**



PLIERS **P.158**



MEASURING - SCRIBING **P.170**



HAMMERS, PUNCHES AND CHISELS **P.176**



CUTTING **P.184**



LIGHTING **P.194**



PIPEWORK - MAINTENANCE - PULLERS **P.202**



ELECTRICITY - ELECTRONICS **P.212**



AUTOMOTIVE TOOLING **P.226**



RETAIL SOLUTIONS **P.264**



STORAGE





Toolboxes

P.8



Modules

P.11



Workbenches

P.13



Accessories

P.14



Trolleys

P.14



Chests

P.15



Portable Toolboxes

P.16



Multi-tool Sets and Kits

P.18





ROLLER CABINETS

WIDE ROLLER CABINET 7 DRAWERS 4 MODULES PER DRAWER

- Each drawer can be fitted with 4 modules.
- Drawers open to allow 100% access.
- Load per drawer: 20 kg for 60 mm drawers and 25 kg for 130 mm drawers.
- Central locking.
- Worktop covered with a 2 mm removable ABS plate – Withstands a 800 kg static load.
- Strong polypropylene handle.
- Four wheels diameter 125 mm, 2 fixed and 2 swivel, one with brake.
- Overall dimensions (with handle): W.1005 x D.500 x H.987 mm.
- Dimensions (without handle): W.920 x D.500 x H.987 mm.
- 4 drawers: W.760 x D.420 x H.60 mm.
- 3 drawers: W.760 x D.420 x H.130 mm.



LARGE

E010101	L mm	P mm	H mm	Weight kg		EAN
E010101	1005	500	987	95	1	3258950101019

WIDE ROLLER CABINET 8 DRAWERS 4 MODULES PER DRAWER

- Each drawer can be fitted with 4 modules.
- Drawers open to allow 100% access.
- Load per drawer: 20 kg for 60 mm drawers and 25 kg for 130 mm drawers.
- Central locking.
- Worktop covered with a 2 mm removable ABS plate – Withstands a 800 kg static load.
- Strong polypropylene handle.
- Four wheels diameter 125 mm, 2 fixed and 2 swivel, one with brake.
- Overall dimensions (with handle): W.1005 x D.500 x H.987 mm.
- Dimensions (without handle): W.920 x D.500 x H.987 mm.
- 6 drawers: W.760 x D.420 x H.60 mm.
- 2 drawers: W.760 x D.420 x H.130 mm.



LARGE

E010131	L mm	P mm	H mm	Weight kg		EAN
E010131	1005	500	987	81,10	1	3258950101316



6 DRAWERS ROLLER CABINET – 3 MODULES PER DRAWER

- 6 drawers roller cabinet: 3 drawers 60 mm. 2 drawers 130 mm. 1 drawer 200 mm. The drawers can be fitted with EXPERT thermoshaped and foam modules (3 modules per drawer). Maximum load resistance per drawer : 20/25/30kg.
- Worktop: Large worktop made of polypropylen with fiber (static load resistance 700kg), integrated handle and edges to prevent tools from falling while moving. Resistant to impacts and hydrocarbons. Provided slots for 3 screwdrivers and storage compartments for screws, nuts and bolts.
- Safety : Polypropylene drawer pulls with safety hooks, drawers cannot open while moving. Lock on side to reduce the risk of damage. Centralised locking system, delivered with 2 keys, one folding
- Manoeuvrability : 4 wheels diam. 125 mm, 2 swiveling (one with brake) and 2 fixed. Roller cabinet delivered with wheels already attached.
- Accessories: Integrated holder for cans or bottles (Free positioning on right or left)
- Overall dimensions (including wheels and worktop): 748 x 515 x 970 mm.
- Drawer useful size: L.569 x D.421 x H.60 / 130 / 200 mm.

	L mm	P mm	H mm	Weight g		EAN
E010192	748	515	970	54	1	3258950101927



7 DRAWERS ROLLER CABINET – 3 MODULES PER DRAWER

- 7 drawers roller cabinet: 4 drawers 60 mm. 3 drawers 130 mm. The drawers can be fitted with EXPERT thermoshaped and foam modules (3 modules per drawer). Maximum load resistance per drawer : 20/25 kg.
- Worktop: Large worktop made of polypropylen with fiber (static load resistance 700kg), integrated handle and edges to prevent tools from falling while moving. Resistant to impacts and hydrocarbons. Provided slots for 3 screwdrivers and storage compartments for screws, nuts and bolts.
- Safety: Polypropylene drawer pulls with safety hooks, drawers cannot open while moving. Lock on side to reduce the risk of damage. Centralised locking system, delivered with 2 keys, one folding
- Manoeuvrability: 4 wheels diam. 125 mm, 2 swiveling (one with brake) and 2 fixed. Roller cabinet delivered with wheels already attached.
- Accessories: Integrated holder for cans or bottles (Free positioning on right or left).
- Overall dimensions (including wheels and worktop): 748 x 515 x 970 mm.
- Drawer useful size: L.569 x D.421 x H.60 / 130 / 200 mm.

	L mm	P mm	H mm		EAN
E010193	748	515	970	1	3258950101934





ROLLER CABINETS

7 DRAWERS ROLLER CABINET – 3 MODULES PER DRAWER

- 7 drawers roller cabinet: 6 drawers 60 mm. 1 drawers 200 mm.
The drawers can be fitted with EXPERT thermoshaped and foam modules (3 modules per drawer). Maximum load resistance per drawer : 20/30kg
- Worktop: Large worktop made of polypropylen with fiber (static load resistance 700kg), integrated handle and edges to prevent tools from falling while moving. Resistant to impacts and hydrocarbons. Provided slots for 3 screwdrivers and storage compartments for screws, nuts and bolts.
- Safety: Polypropylène drawer pulls with safety hooks, drawers cannot open while moving. Lock on side to reduce the risk of damage. Centralised locking system, delivered with 2 keys, one folding.
- Manoeuvrability: 4 wheels diam. 125 mm, 2 swiveling (one with brake) and 2 fixed. Roller cabinet delivered with wheels already attached.
- Accessories: Integrated holder for cans or bottles (Free positioning on right or left).
- Overall dimensions (including wheels and worktop): 748 x 515 x 970 mm.
- Drawer useful size: L.569 x D.421 x H.60 / 130 / 200 mm.



	L mm	P mm	H mm		EAN
E010194	748	515	970	1	3258950101941



THE EXPERT MODULAR TOOL STORAGE SYSTEM

Expert tool modules and modular cases were developed to offer simple organisation of your tools to maximise the space in your toolbox.

Expert roller cabinets and their drawers are specifically designed with widths to fit 3 or 4 tool modules to meet your tool storage needs.

A drawer can be organised to store both tool modules and modular cases together, whether open or closed, without wasting any space.

Optimising the space in your roller cabinet means quicker access to your tools and maximises your productivity.

More details on Expert modular cases can be found on page 48 - 49.



Dimensions of standard module : 185 x 240 cm.



Module : E194937

Empty tray : E113557
Page : 25



Module : E110302

Empty tray : E010508
Page : 25



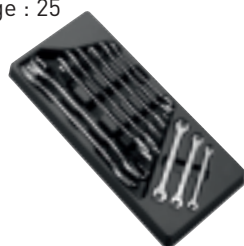
Module : E111100

Empty tray : E010509
Page : 33



Module : E194938

Empty tray : E195064
Page : 33



Module : E111220

Empty tray : E111221
Page : 35



Module : E111710

Empty tray : E111711
Page : 38



Module : E034853

Empty tray : E034854
Page : 50



Module : E030715

Empty tray : E030716
Page : 57



Module : E194680

Empty tray : E030701
Page : 57



Module : E194678

Empty tray :
Page : 67



Module : E031821

Empty tray : E031822
Page : 67



Module : E032922

Empty tray : E032923
Page : 81





STORAGE



Module : E194677

Empty tray : E032901
Page : 81



Module : E032201

Empty tray : E010515
Page : 81



Module : E032924

Empty tray : E032925
Page : 81



Module : E231101

Empty tray : E231105
Page : 149



Module : E041604

Empty tray : E041606
Page : 150



Module : E040601

Empty tray : E040602
Page : 150



Module : E041644

Empty tray : E041645
Page : 150



Empty tray : E010516



Module : E194940

Empty tray : E160916
Page : 106



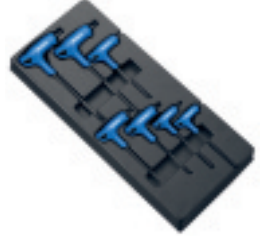
Module : E194941

Empty tray : E160917
Page : 107



Module : E121609

Empty tray : E121205
Page : 123



Module : E121706

Empty tray : E121214
Page : 125



Module : E121105

Empty tray : E121106
Page : 127



Empty tray : E131704



Module : E080821

Empty tray : E010537
Page : 161



Module : E080801

Empty tray : E010504
Page : 161



Module : E194944

Empty tray : E010504
Page : 161



Module : E194943

Empty tray : E010503
Page : 166



Module : E150801

Empty tray : E010501
Page : 178



Module : E150802

Empty tray : E010506
Page : 178



Module : E150803

Empty tray : E010507
Page : 178



Module : E090302

Empty tray : E010519
Page : 172



Module : E142401

Empty tray : E142402
Page : 172



Module : E020611

Empty tray : E010514
Page : 187



FURNITURE SHOP

WOODEN WORKBENCH

- Worktop length: 2 m.
- Wooden worktop (thickness: 28mm).
- Static strength: 800 kg.
- Height: 850 mm.
- Two drawers can be added (E010405).



	Weight kg		EAN
E010402	76	1	3258950104027

METAL WORKBENCH

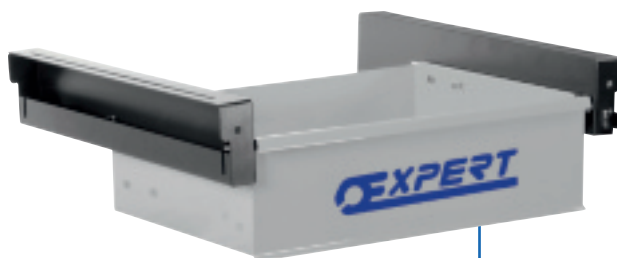
- Worktop length: 2 m.
- Metal worktop (thickness: 2mm).
- Static strength: 800 kg.
- Height: 850 mm.
- Two drawers can be added (E010405).



	Weight kg		EAN
E010404	77	1	3258950104041

WORKBENCH DRAWERS

- Lockable.
- Drawer for workbenches: E010402 - E010404
- Dimensions: 570x420x175 mm.



	Weight kg		EAN
E010405	4	1	3258950104058

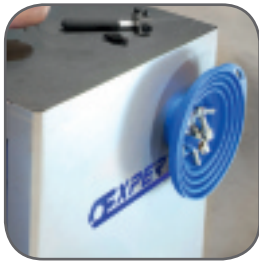




ACCESSORIES

EXPANDABLE MAGNETIC PARTS TRAY

- Magnetic base for effective holding of screws, bolts and other small metallic parts.
- Can be used horizontally or vertically.
- Capacity can be adapted according to needs.
- Retractable, can be stored in a roller cabinet drawer.
- E010128 height: 35 to 92 mm ; diameter 135 mm.
- E010129 height: 42 to 130 mm ; diameter 225 mm.



	Weight g		EAN
E010128	132	1	3258950101286
E010129	510	1	3258950101293

WORKSHOP TROLLEYS

ALUMINIUM AND PLASTIC WORKSHOP TROLLEY

- Construction in plastic and aluminium.
- 4 swivel wheels, including 2 with brake for easy movement and handling.
- Maximum load: 150 kg.



	L mm	P mm	H mm	Weight kg		EAN
E010136	752	470	965	11,5	1	3258950101361



TOOL TROLLEY

- Full width handle.
- Shelves supplied with non-slip rubber mats.
- 2 swivel wheels and 2 fixed Ø 80 mm for easy movement and handling.
- Maximum load: 200 Kg.



	L mm	P mm	H mm	Weight kg		EAN
E010108	925	495	120	22,3	1	3258950101088

CHESTS

WORKSITE TOOL CHESTS

- Made in thick steel plate.
- Lid is fitted with locked pin hinges and opens to 95°.
- Fitted with 2 side handles for transport.
- Supplied with removable metal tool tray.
- Metal padlock clasp for security (padlock not supplied).
- Base has 4 pre-drilled screw holes to allow chest to be fixed to floor



	L mm	P mm	H mm	Weight kg		EAN
E010209	520	290	294	7	1	3258950102092
E010202	650	366	353	11,50	1	3258954102029
E010203	850	360	353	12,10	1	3258953102037
E010204	1000	405	450	16,60	1	3258954102043





TOOL BOXES

METAL TOOLBOX WITH 5 COMPARTMENTS 450 MM AND 535 MM

- 2 hinged handles.
- 5 compartments over 3 levels.
- Can be padlocked (not supplied).
- Easy opening.
- Dimensions (with handle):
450 mm box: W.490 x D.250 x H.230 mm
535 mm box: W.575 x D.250 x H.230 mm.
- Inner bin dimension:
450 mm box: W.448 x D.200 x H.98 mm
535 mm box: W.518 x D.200 x H.98 mm.
- Inner bins dimension:
450 mm box: W.448 x D.100 x H.55 mm
535 mm box: W.526 x D.100 x H.55 mm.



	L mm	P mm	H mm	Weight kg		EAN
E194738	450	250	230	4	1	3258951947388
E010201	535	250	230	5,20	1	3258950102016

PLASTIC TOOLBOX 410MM AND 490 MM

- Lid fitted with 1 fixed and 2 removable transparent storage compartments.
- Removable plastic tool tray.
- 2 metal padlock clasps (padlocks not supplied).
- Handle folds flush to lid.
- Loading capacity box 410 mm: 8 kg
box 490 mm: 10 kg.



	L mm	P mm	H mm	Weight g		EAN
E010304	410	255	182	1250	1	3258950103044
E010305	490	285	240	1682	1	3258950103051



FABRIC TOOL BOX

- 600 x 600 denier high resistance fabric.
- Elastic pockets inside and outside.
- Adjustable saw storage.
- 2 side pockets, one with flap, one with adjustable strap.
- Steel handle with comfort zone.
- Adjustable strap.
- Rigid sealed storage.
- Load capacity 10 kg.



	L mm	P mm	H mm	Weight kg		EAN
E010601	465	215	310	2,57	1	3258950106014

ROLLER BACKPACK

- 600 x 600 denier high resistance fabric.
- Portable.
- Inside pockets and compartments.
- Front and side pockets.
- Padded adjustable straps with carry handle.
- Telescopic handle and built-in rollers.



	L mm	P mm	H mm	Weight kg		EAN
E010602	338	218	470	3,68	1	3258950106021





MULTI-TOOL SETS

SUITCASE 96 TOOLS

- Combination wrenches 8 - 10 - 11 - 12 - 13 - 14 - 16 - 17 - 18 - 19 mm.
- 1 adjustable wrench 250 mm.
- 1/4": - Sockets 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm - 1 pear head ratchet - 1 universal joint - 1 sliding handle - 2 extensions 55-100 mm - 1 coupler to 1/4" bit - 1 socket nut handle.
- 1/2": - Sockets 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 22 mm - 1 pear head ratchet - 1 universal joint - 2 extensions 75-250 mm.
- Screwdriver: - Slot 3.5 x 75 4 x 100 6.5 x 150 8 x 175. Phillips® PH 1-2 Pozidriv® PZ 1-2.
- 1 bits set - 19 pieces.
- 1 set of 9 hex keys - metric.
- 1 set of 7 torx® keys.
- 1 straight long nose pliers.
- 1 engineers cutting pliers.
- 1 twin slip-joint multigrip pliers.
- 1 Din hammer.
- 1 drift punches 4 - 6 mm.
- 1 punch 4 mm.
- 1 hack saw - revolver handle.
- 1 tape measure 5 m.



	Weight kg		EAN
E220104	8,6	1	3258952201045

SUITCASE 142 TOOLS

- Combination wrenches 8 - 9 - 10 - 11 - 12 - 13 - 14 - 16 - 17 - 18 - 19 mm.
- 1 adjustable wrench 250 mm.
- 1/4": - Sockets 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm - 1 pear head ratchet - 1 universal joint - 2 extensions 55 -100 mm - 1 coupler to 1/4" bit - 1 socket nut handle.
- 1/2": - Sockets 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 22 - 24 - 27 - 30 - 32 mm - 1 pear head ratchet - 1 universal joint - Extensions 75-250 mm.
- Screwdriver: Slot 2,5 x 50 3,5 x 75 4 x 100 5,5 x 125 6,5 x 150 8 x 175 Phillips® PH 1-2 Pozidriv® PZ 1-2.
- 1 screwdriver tester.
- 1 25 mm Pozidriv® torsion bits.
- 1 steel scriber.
- 1 set of 9 hex keys - metric.
- 1 set of 7 torx® keys.
- 1 combination pliers.
- 1 engineers cutting plier.
- 1 straight long nose plier.
- 1 wire stripper 160 mm.
- 1 crimping plier.
- 1 Russian pincers 250 mm.
- 1 Din hammer.
- 1 drift punches 4-5-6 mm.
- 1 hack saw - revolver handle.
- 1 cutter 18 mm Plotting tip.
- 1 punch 4 mm.
- 1 tape measure 5 m.
- 1 caliper 1/20°.



	Weight kg		EAN
E220107	13,6	1	3258952201076



MULTI-TOOL SET 124 PIECES

- 1/4" 6-point sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm.
- 2 locking parking meter ratchets: 1/4" and 1/2".
- 2 1/4" extensions: 55-100 mm and 2 1/2" extensions: 130-250 mm.
- 2 1/4" and 1/2" universal joints.
- 1 1/4" drive for 1/4" bits.
- 1 1/4" engaged handle.
- 1 set of 250 mm slip joint multiple grip pliers.
- 1 set of 160 mm mechanic's diagonal cutter.
- 1 set of 40° angled round nose pliers.
- 1/2" 6-point sockets: 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32 mm.
- Combination wrenches: 8-10-11-12-13-14-15-16-17-18-19 mm.
- Set of 9 short keys in roll: 1,5-2-2,5-3-4-5-6-8-10 mm.
- Set of 7 Torx® keys in roll: T10-T15-T20-T25-T27-T30-T40 mm.
- Screwdriver: slotted head: 4x100-6.5x125 Phillips®: PH1x100-PH2x125 Pozidriv®: PZ1x100-PZ2x125.
- Box set of 48 drive bits and 1 accessory: slotted head: 4-4.5-5.5-6.5x2-8 mm Phillips®: PH1x2-PH2x3-PH3 Pozidriv®: PZ1x2-PZ2x3-PZ3x2 Torx®: T10x2-T15x2-T20x2-T25x2-T30x2 ResisTorx®: TT10-TT15x2-TT20x2-TT25x2-TT30x2-TT40 6-point: 2-3x2-4x2-5x2-6x2 mm.
- Magnetic bit holder with locking ring.



	Dimension mm	Weight kg		EAN
E034806	L.565 x P.415 x H.92	8,30	1	3258950348063

MULTI-TOOL SET 126 PIECES

- Metric 1/4" 6-point sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm.
- Metric 1/4" 6-point long reach sockets: 4-5-5.5-6-7-8-9-10-11-12-13-14 mm.
- Inch 1/4" 6-point sockets: 3/16"-7/32"-1/4"-9/32"-5/16"-11/32"-3/8"-7/16"-1/2"-9/16".
- Inch 1/4" 6-point long reach sockets: 3/16"-7/32"-1/4"-9/32"-5/16"-11/32"-3/8"-7/16"-1/2"-9/16".
- Metric 3/8" 6-point sockets: 10-11-12-13-14-15-16-17-18-19 mm.
- Metric 3/8" 6-point long reach sockets: 10-11-12-13-14-15-16-17-18-19 mm.
- Inch 3/8" 6-point sockets: 1/4"-5/16"-11/32"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1".
- Inch 3/8" 6-point long reach sockets: 1/4"-5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1".
- Metric combination wrenches: 10-11-12-13-14-15-16-17-18-19 mm.
- Inch combination wrenches: 5/16"-11/32"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4".
- 2 1/4" and 3/8" parking meter locking ratchets.
- 2 1/4" extensions: 55-150 mm and 1 3/8" extension: 125 mm.
- 2 1/4" and 3/8" universal joints.
- 1/4" 3/8" coupler
- 3/8" 1/4" coupler
- Screwdriver: slotted head: 3x50 4x100 5.5x125. Phillips®: PH0x75 PH1x100 PH2x125.



	Dimension mm	Weight kg		EAN
E034835	L.565 x P.415 x H.92	9,7	1	3258950348353



WRENCHES





Combination wrenches

P.22



Ratchet ring wrenches

P.32



Ratchet wrench modules

P.33



DIN wrenches

P.36



Angled socket wrenches

P.39



Flare-nut wrenches

P.42



Hook and pin wrenches

P.45



Ratchet combination wrenches

P.28



4-in-1 ratchets

P.32



Open-end wrenches

P.34



Offset ring wrenches

P.37



Box wrenches

P.40



Adjustable wrenches

P.43



Scaffolding wrenches

P.45





WRENCHES

COMBINATION WRENCHES

COMBINATION WRENCHES - METRIC

→ ISO 691 - ISO 1711-1 - ISO 3318 - ISO 7738 - DIN 3113

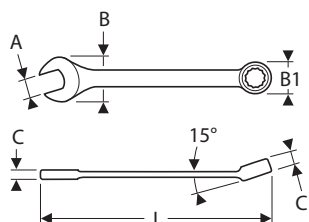
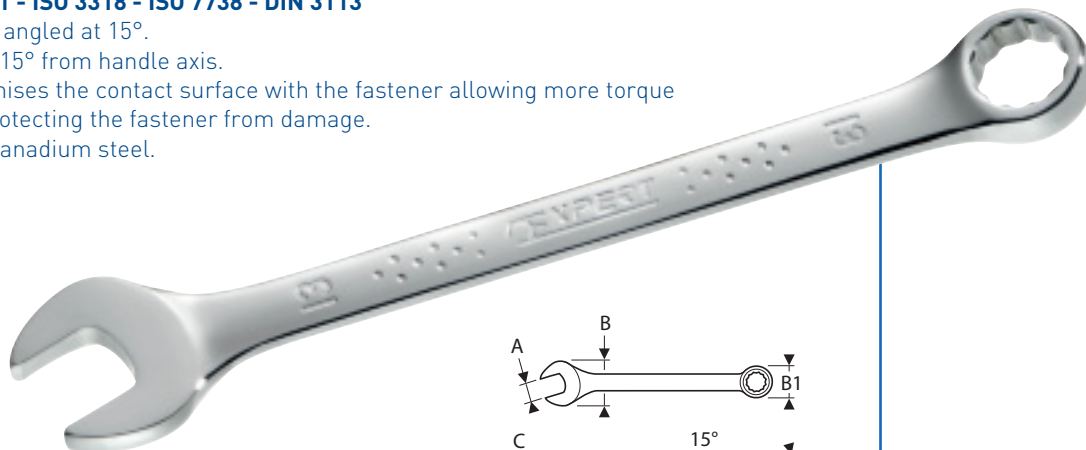
→ 12-point OGV® ring angled at 15°.

→ Open end angled at 15° from handle axis.

→ OGV® profile maximises the contact surface with the fastener allowing more torque to be applied and protecting the fastener from damage.

→ Forged in Chrome Vanadium steel.

→ High chrome finish.



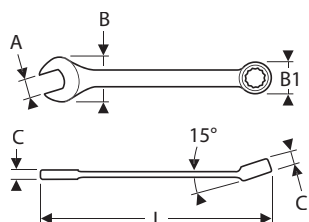
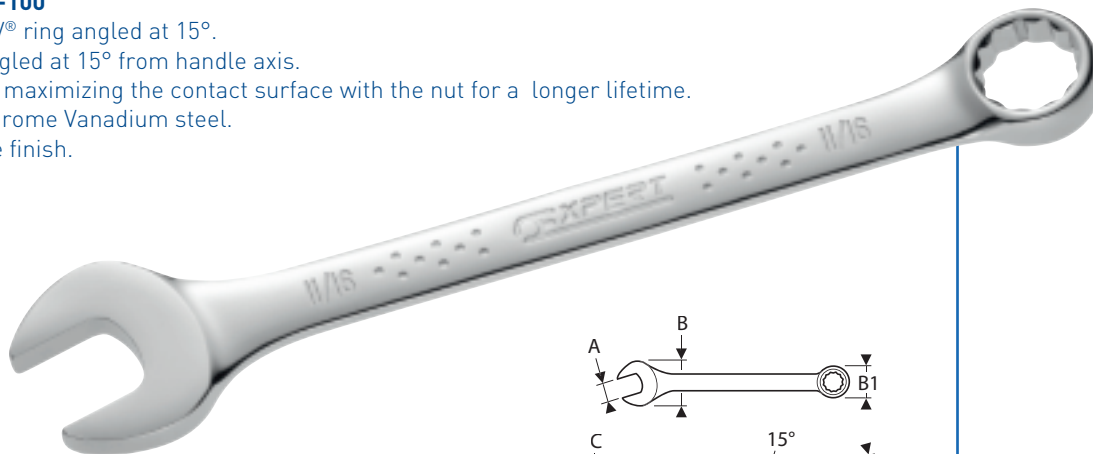
	A mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g	✉	EAN
E113228	5	14.7	9	3.4	4	93	15	1	3258951132289
E113229	5.5	14.7	9	3.4	4	93	15	1	3258951132296
E113202	6	16.2	10.4	3.7	4.5	100	20	1	3258951132029
E113200	7	18.2	11.7	3.7	5	110	20	1	3258951132005
E113201	8	20.2	13.2	4	5	120	25	1	3258951132012
E113204	9	22.2	14.6	4	6	130	35	1	3258951132043
E113205	10	23.7	16	4	6.5	140	37	1	3258951132050
E113206	11	25.7	17	4.7	6.5	150	45	1	3258951132067
E113207	12	27.5	19	4.8	7	160	60	1	3258951132074
E113208	13	28.7	20.6	5.5	7.5	170	67	1	3258951132081
E113209	14	31.7	22	5.6	8	180	80	1	3258951132098
E113210	15	34	23.4	5.7	8.5	190	95	1	3258951132104
E113211	16	36	24.8	5.8	9	200	110	1	3258951132111
E113212	17	38.5	26.2	6.3	9.5	210	123	1	3258951132128
E113213	18	39	27.6	6.8	10	220	150	1	3258951132135
E113214	19	42.2	29	7.1	10.4	230	165	1	3258951132142
E113215	20	42.7	30.2	7.2	10.9	240	180	1	3258951132159
E113216	21	45.5	31.7	7.5	11.4	250	185	1	3258951132166
E113217	22	48.7	33	8	11.9	260	242	1	3258951132173
E113218	23	48.7	33	8	11.9	260	235	1	3258951132180
E113219	24	50.7	35	8	12.9	280	280	1	3258951132197
E113220	25	52.7	38	8	13.4	295	325	1	3258951132203
E113221	26	52.7	38	8	13.4	295	325	1	3258951132210
E113222	27	56.2	40	8.9	14.4	310	370	1	3258951132227
E113223	28	60.2	44.6	9	15.9	340	495	1	3258951132234
E113224	29	60.2	44.6	9	15.9	340	495	1	3258951132241
E113225	30	60.2	44.6	9	15.9	340	485	1	3258951132258
E113226	32	64.7	47.3	10.6	16	360	600	1	3258951132265
E110101	34	68.7	49.3	11.5	17.2	380	639	1	3258951101018
E110102	36	73	53.4	13	18.2	410	809	1	3258951101025
E110103	38	76	56.5	14.5	19	430	965	1	3258951101032



COMBINATION WRENCHES - SAE

→ ASME B 107-100

- 12-point OGV® ring angled at 15°.
- Open end angled at 15° from handle axis.
- OGV® profile maximizing the contact surface with the nut for a longer lifetime.
- Forged in Chrome Vanadium steel.
- High chrome finish.



	A"	B mm	B1 mm	C mm	C1 mm	L mm	Weight g		EAN
E113312	1/4"	16.2	10.4	3.7	4.5	100	15	1	3258951133125
E113230	5/16"	20.2	13.2	4	5	120	26	1	3258951132302
E113313	11/32"	22.2	14.6	4	6	130	30	1	3258951133132
E113314	3/8"	23.7	16	4	6.5	140	38	1	3258951133149
E113315	7/16"	25.7	17	4.7	6.5	150	46	1	3258951133156
E113316	1/2"	28.7	20.6	5.5	7.5	170	68	1	3258951133163
E113317	9/16"	31.7	22	5.6	8	180	79	1	3258951133170
E113318	5/8"	36	24.8	5.8	9	200	110	1	3258951133187
E113358	3/4"	42.2	29	7.1	10.4	230	150	1	3258951133583
E113359	13/16"	45.5	31.7	7.5	11.4	250	194	1	3258951133590
E113360	7/8"	48.7	33	8	11.9	260	225	1	3258951133606
E113235	15/16"	50.7	35	8	12.9	280	293	1	3258951132357
E113236	1"	52.7	38	8	13.4	295	328	1	3258951132364
E113319	11/16"	38.5	26.2	6.3	9.5	210	141	1	3258951133194
E113361	1 1/16	56.2	40	8.9	14.4	310	386	1	3258951133613
E113362	1 1/8	60.2	44.6	9	15.9	340	503	1	3258951133620
E113363	1 1/4	64.7	47.3	10.6	16	360	602	1	3258951133637
E110201	1 5/16	68.7	49.3	11.5	17.2	380	632	1	3258951102015
E110202	1 3/8	73	53.4	13	18.2	410	806	1	3258951102022
E110203	1 7/16	73	53.4	13	18.2	410	804	1	3258951102039
E110204	1 1/2	76	56.5	14.5	19	430	992	1	3258951102046
E110205	1 5/8	83.5	61.5	15.5	20	480	1264	1	3258951102053
E110206	1 7/8	101.5	73.5	17.2	22.6	540	2110	1	3258951102060





WRENCHES

COMBINATION WRENCHES

SET OF COMBINATION WRENCHES - METRIC



	Content set	Contents	Quantity	Weight g	📦	EAN
E110300	8-10-11-13-17-19-22-24 mm.	Cardboard box	8	1122	1	3258951103005
E113241	1/4"-5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"	Cardboard box	9	851	1	3258951132418
E110310	10-11-12-13-14-15-16-17-18-19 mm.	Plastic rack	10	1080	1	3258951103104
E110309	7-8-10-11-12-13-16-17-18-19-22-24 mm.	Plastic rack	12	1495	1	3258951103098
E110327	7-8-10-11-12-13-16-17-18-19-22-24 mm.	Tool roll	12	1495	1	3258951103272
E113242	1/4"-5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"	Cardboard box	12	1580	1	3258951132425
E113238	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24 mm.	Plastic box	16	1894	1	3258951132388
E113239	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24 mm.	Cardboard box	16	1646	1	3258951132395
E110313	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24 mm.	Tool roll	18	2035	1	3258951103135
E113240	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24 mm.	Cardboard box	18	2022	1	3258951132401
E110306	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm.	Cardboard box	21	3450	1	3258951103067
E110326	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-26-27-30-32 mm.	Tool roll	22	3998	1	3258951103265
E110323	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32 mm.	Cardboard box	26	4600	1	3258951103234



COMBINATION WRENCH MODULES

- Thermoformed module.
- Designed to be inserted in roller cabinet drawers.
- Empty tray for E194937 module: E113557.
- Empty tray for E110302 module: E010508.



	Content set	Quantity	Weight g		EAN
E110302	27-29-30-32 mm.	4	2230	1	3258951103029
E194937	6-7-8-9-10-11-12-13-14-15-16-17-18-19-22-24 mm.	16	1850	1	3258951949375

SET OF 7 SHORT COMBINATION WRENCHES - METRIC

- Supplied on plastic rack.



	Content set	Quantity	Weight g		EAN
E110304	10-12-13-14-15-17-19 mm.	7	640	1	3258951103043

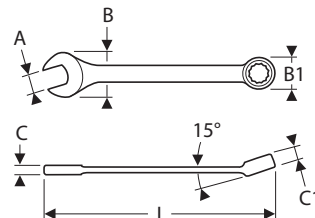
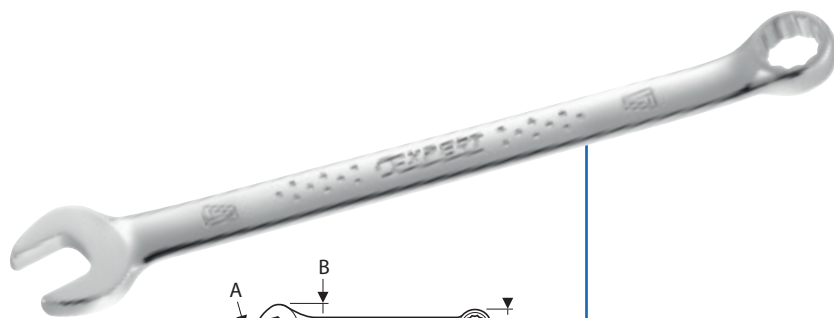


WRENCHES

COMBINATION WRENCHES

LONG COMBINATION WRENCHES - METRIC

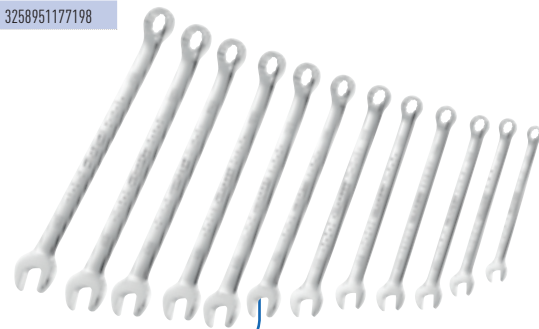
- ISO 691 - ISO 1711 - 1
- 12-point OGV® ring angled at 15°.
- Open end angled at 15° from the handle axis (increment angle 30°).
- OGV® Ring profile maximizing contact surface with the nut for a longer lifetime.
- Forged in Chrome Vanadium steel.
- Long handle wrenches for increased tightening torque.
- High chrome finish.



	A mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g		EAN
E110701	8	17.7	13.3	4.2	6.4	148	35	1	3258951107010
E110702	9	20.5	14.8	5	7.1	167	45	1	3258951107027
E110703	10	21.8	16	5.4	7.4	172	50	1	3258951107034
E110704	11	24.2	17.3	5.5	8	186	60	1	3258951107041
E110705	12	26.5	18.5	5.7	8.4	197	75	1	3258951107058
E110706	13	27.4	19.7	6.1	8	207	85	1	3258951107065
E110707	14	30.7	22.1	6.7	9	223	100	1	3258951107072
E110708	15	32	23.1	7	9.9	233	120	1	3258951107089
E110709	16	34.5	24.1	7.3	10.6	243	140	1	3258951107096
E110710	17	37	26.4	8.1	11.2	261	155	1	3258951107102
E110711	18	39.1	27.5	8.4	11.4	270	190	1	3258951107119
E117701	21	44.8	32.4	9	13.1	301	312	1	3258951177013
E117702	22	47.3	33.4	9.5	13.7	318	347	1	3258951177020
E117703	23	47.3	33.4	9.5	13.7	318	349	1	3258951177037
E117704	24	51.6	35.4	10.1	14.9	338	436	1	3258951177044
E117705	26	54.5	37	10.4	15.7	355	527	1	3258951177051
E117706	27	55.6	40.4	11.4	17	375	576	1	3258951177068
E117707	28	55.6	40.4	11.4	17	375	591	1	3258951177075
E117708	29	58.6	42.3	12.4	18.2	414	727	1	3258951177082
E117709	30	58.6	42.3	12.4	18.2	414	720	1	3258951177099
E117710	32	65.5	46.8	13.4	19	435	869	1	3258951177105
E117711	33	70.2	49.7	13.4	17.5	470	1092	1	3258951177112
E117712	34	70.2	49.7	13.4	17.5	470	1079	1	3258951177129
E117713	35	70.2	49.7	13.4	17	470	1150	1	3258951177136
E117714	36	75.2	55.5	14.3	18.2	510	1303	1	3258951177143
E117715	38	75.2	55.5	14.3	18.2	510	1255	1	3258951177150
E117716	41	82	59.6	15	18	550	1567	1	3258951177167
E117717	42	82	59.6	15	18	550	1662	1	3258951177174
E117718	46	85	63.6	17.2	19	612	1763	1	3258951177181
E117719	50	95	72	19.3	22.2	650	2600	1	3258951177198

SET OF 12 LONG COMBINATION WRENCHES - METRIC

- Supplied on plastic rack.



	Content set	Quantity	Weight g		EAN
E110303	8-9-10-11-12-13-14-15-16-17-18-19 mm.	12	1690	1	3258951103036



OFFSET COMBINATION WRENCHES - METRIC

→ ISO 691 - ISO 1711-1 - ISO 3318 - ISO 7738 - DIN 3113

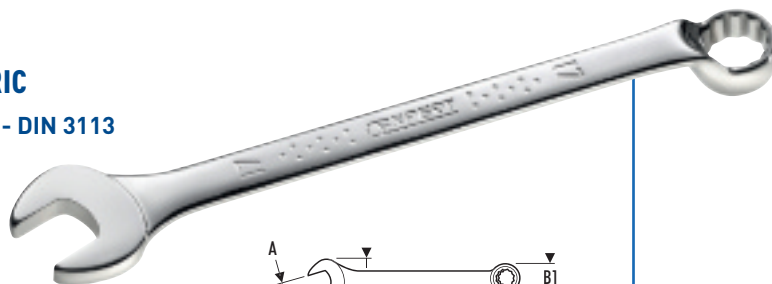
→ 12-point OGV® ring angled at 10°.

→ Open end angled at 15° from handle axis.

→ 12-point OGV® ring wrenches offset by 70° for better access to recessed nuts.

→ Forged in Chrome Vanadium steel.

→ High chrome finish.



	A mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g		EAN
E117720	6	16.3	10.4	3.7	5.2	125	17	1	3258951177204
E117721	7	18.2	11.8	3.7	5.7	135	21	1	3258951177211
E117722	8	20.3	13.4	4	6.3	145	32	1	3258951177228
E117723	9	22.2	14.4	4	7.3	155	41	1	3258951177235
E117724	10	23.8	16.2	4	7.3	165	44	1	3258951177242
E117725	11	25.7	17.2	4	8.1	172	56	1	3258951177259
E117726	12	27.6	18.7	4	8	180	67	1	3258951177266
E117727	13	28.8	20.3	5.9	9.6	195	77	1	3258951177273
E117728	14	31.7	21.5	5.9	9	210	89	1	3258951177280
E117729	15	34	22.8	6.4	10	215	107	1	3258951177297
E117730	16	36	24.2	6.8	10.9	230	132	1	3258951177303
E117731	17	38.6	26.1	7.1	11.6	240	150	1	3258951177310
E117732	18	39	27.2	7.4	12.2	255	167	1	3258951177327
E117733	19	42.1	28.8	7.8	12.5	265	191	1	3258951177334
E117734	21	45.3	31.7	8.4	12.8	280	240	1	3258951177341
E117735	22	46.1	33	8.6	13.1	300	276	1	3258951177358
E117736	23	51.4	35	9	14	320	347	1	3258951177365
E117737	24	51.4	35	9	14	320	337	1	3258951177372
E117738	26	54.5	38	10.4	15.3	348	448	1	3258951177389
E117739	27	57.8	41	10.8	16	370	569	1	3258951177396
E117740	28	57.8	41	10.8	16	370	553	1	3258951177402
E117741	29	62.5	43.7	11.4	16.5	390	664	1	3258951177419
E117742	30	62.5	43.7	11.4	16.5	390	651	1	3258951177426
E117743	32	67	46.7	12	17.5	412	813	1	3258951177433

SET OF 9 OFFSET COMBINATION WRENCHES - METRIC

→ Supplied in a box.



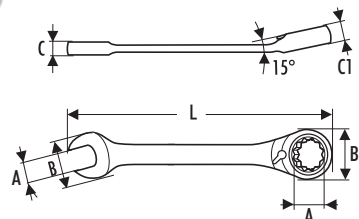
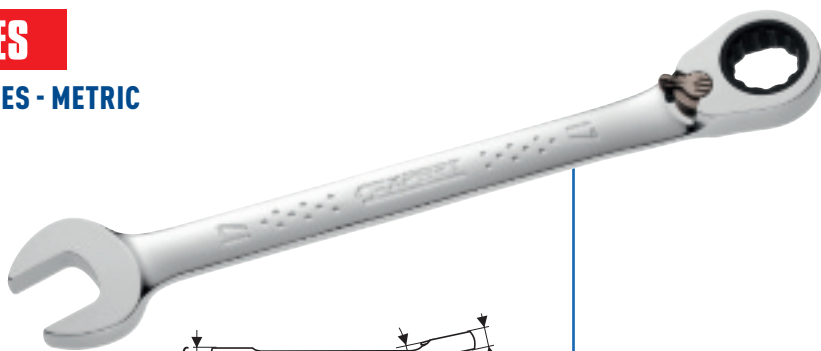
	Content set	Weight g		EAN
E117744	8-9-10-11-13-14-15-17-19 mm	840	1	3258951177440



RATCHET COMBINATION WRENCHES

REVERSIBLE RATCHET COMBINATION WRENCHES - METRIC

- ISO 691 - ISO 1711 - 1
- 5° increment.
- 12-point OGV® ring angled at 15°.
- Open end angled at 15° from the handle axis (increment angle 30°).
- OGV® Ring profile maximizing contact surface with the nut for a longer lifetime.
- Switch to change ratcheting direction built into handle to prevent accidental change.
- Forged in Chrome Vanadium steel.
- High chrome finish.



	A mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g		EAN
E117377	6	16.3	17.7	5	7.7	124	28	1	3258951173770
E117378	7	16.3	17.7	5	7.7	124	28	1	3258951173787
E113301	8	18.5	17.7	5	7.7	135	32	1	3258951133019
E113302	9	20.5	19	5.3	7.7	142	40	1	3258951133026
E113303	10	22.5	21.2	5.8	8	158	56	1	3258951133033
E113300	11	25	22.6	5.9	8	167	68	1	3258951133002
E113304	12	26.9	23.8	6.1	8	173	78	1	3258951133040
E113305	13	29	25.9	6.6	8.9	179	96	1	3258951133057
E113306	14	31.5	27.7	7.5	9	189	116	1	3258951133064
E113307	15	34	29.2	7.9	9.4	199	136	1	3258951133071
E113308	16	35	31.8	7.9	9.9	215	160	1	3258951133088
E113309	17	38	34.1	8	10.6	232	182	1	3258951133095
E113310	18	40.1	34	8.5	11	238	200	1	3258951133101
E113311	19	42	35.1	8.9	11.2	247	248	1	3258951133118
E117370	21	45.3	41.5	10.3	13	285	540	1	3258951173701
E117371	22	45.3	41.5	10.3	13	285	540	1	3258951173718
E117372	24	52	47	10.8	14.5	325	710	1	3258951173725
E117373	27	58.6	52	12.5	15	359	750	1	3258951173732
E117374	30	64.5	59.5	13	17	425	970	1	3258951173749
E113460	32	64.5	59.5	13	17	425	970	1	3258951134603

SETS OF RATCHET COMBINATION WRENCHES - METRIC

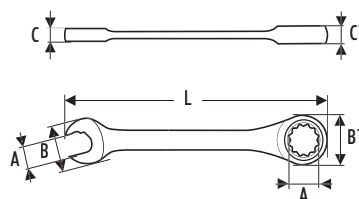


	Content set	Contents	Quantity	Weight g		EAN
E111107	8-10-12-13-14-17-19 mm.	Plastic rack	7	990	1	3258951111079
E111106	8-9-10-11-12-13-14-15-16-17-18-19 mm.	Plastic rack	12	1670	1	3258951111062



FAST RATCHET COMBINATION WRENCHES - METRIC

- ISO 691 - ISO 1711 - 1
- 5° increment.
- Straight 12-point OGV® ring end.
- Ratchet effect open end angled at 15° from the handle axis (increment angle 30°).
- OGV® Ring profile maximizing contact surface with the nut for a longer lifetime.
- Change direction by flipping the wrench.
- Forged in Chrome Vanadium steel.
- High chrome finish.



	A mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g	☒	EAN
E110924	8	18	17.5	5	7	136	30	1	3258951109243
E110925	9	20	19.3	5.4	7.6	143	45	1	3258951109250
E110926	10	22	21	5.8	7.7	160	55	1	3258951109267
E110927	11	24.5	22.7	6.1	8	168	65	1	3258951109274
E110928	12	26.5	24	6.4	8	174	75	1	3258951109281
E110929	13	27.6	26	6.7	9	180	105	1	3258951109298
E110930	14	31.4	27.7	7.4	9.4	193	115	1	3258951109304
E110931	15	33.4	29	7.7	10	200	140	1	3258951109311
E110932	16	34.6	30.7	8.1	10.6	216	165	1	3258951109328
E110933	17	38.4	33	8	10.9	233	185	1	3258951109335
E110934	18	39.9	33	9	11.2	239	205	1	3258951109342
E110935	19	41.5	34	9.5	11.5	250	225	1	3258951109359

SET OF 12 FAST RATCHET COMBINATION WRENCHES - METRIC

- Supplied on plastic rack.



	Content set	Quantity	Weight g	☒	EAN
E111101	8-9-10-11-12-13-14-15-16-17-18-19 mm.	12	1590	1	3258951111017

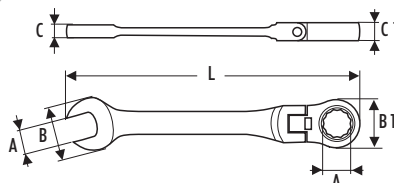


WRENCHES

RATCHET COMBINATION WRENCHES

FLEX HEAD RATCHET COMBINATION WRENCHES - METRIC

- ISO 691 - ISO 1711 - 1
- 5° increment.
- 12-point OGV® ring end flexible through 180°.
- Open end angled at 15° from the handle axis (increment angle 30°).
- OGV® Ring profile maximizing contact surface with the nut for a longer lifetime.
- Change direction by flipping the wrench.
- Forged in Chrome Vanadium steel.
- High chrome finish.



	A mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g	Box	EAN
E110901	8	17	17.5	5.5	7	136	40	1	3258951109014
E110902	9	19.2	19.3	5.8	7.6	143	50	1	3258951109021
E110903	10	21.3	21	6.1	7.7	160	65	1	3258951109038
E110904	11	23.7	22.7	6.4	8	168	75	1	3258951109045
E110905	12	25.8	24	6.7	8	174	90	1	3258951109052
E110906	13	26.8	26	7	9	180	110	1	3258951109069
E110907	14	30.4	27.7	7.3	9.4	193	130	1	3258951109076
E110908	15	32.1	29.1	7.7	10	200	140	1	3258951109083
E110909	16	33	30.7	8	10.6	216	180	1	3258951109090
E110910	17	37	32.6	8	10.9	233	205	1	3258951109106
E110911	18	38	33	8.6	11.2	239	230	1	3258951109113
E110912	19	40	34	9	11.5	250	270	1	3258951109120

SETS OF HINGED RATCHET COMBINATION WRENCHES - METRIC

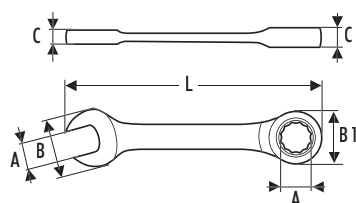


	Content set	Contents	Quantity	Weight g	Box	EAN
E111108	8-10-12-13-14-17-19 mm.	Plastic rack	7	990	1	3258951111086
E111102	8-9-10-11-12-13-14-15-16-17-18-19 mm.	Plastic rack	12	1620	1	3258951111024



STUBBY RATCHET COMBINATION WRENCHES - METRIC

- ISO 691 - ISO 1711 - 1
- 5° increment.
- Straight 12-point OGV® ring end.
- OGV® Ring profile maximizing contact surface with the nut for a longer lifetime.
- Change direction by flipping the wrench.
- Forged in Chrome Vanadium steel.
- High chrome finish.



	A mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g		EAN
E110914	10	21.3	21	5.5	7.7	96	40	1	3258951109144
E110916	12	25.4	24	6.1	8	104	55	1	3258951109168
E110917	13	26.8	26	6.3	9	108	65	1	3258951109175
E110918	14	29.8	27.7	6.7	9.4	114	80	1	3258951109182
E110919	15	31.6	29.1	7.1	10	118	100	1	3258951109199
E110921	17	36	32.6	7.8	10.9	128	125	1	3258951109212
E110923	19	40	34	8.5	11.5	138	155	1	3258951109236

SET OF 7 STUBBY RATCHET COMBINATION WRENCHES - METRIC

- Plastic rack.



	Content set	Quantity	Weight g		EAN
E111104	10-12-13-14-15-17-19 mm.	7	670	1	3258951111048



WRENCHES

RATCHET RING WRENCHES

SET OF 5 RATCHET RING WRENCHES - METRIC

→ Supplied on plastic rack.

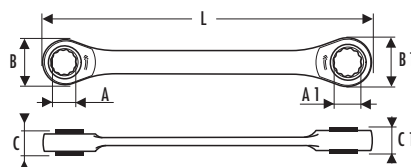


	Content set	Quantity	Weight g		EAN
E111103	8x10-10x11-12x13-14x15-17x19 mm.	5	730	1	3258951111031

4-IN-1 RATCHETS

"4-IN-1" RATCHETS - MM

- 4 sizes per wrench.
- Polygon head 12-point.
- Direction switch by built-in protected control.
- High chrome finish.



	A mm	A1 mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g		EAN
E110943	8x10	12x13	21,5	26,5	8,9	9,8	160	100	1	3258951109434
E110944	9x11	14x15	23,1	29,7	8,9	10,4	180	130	1	3258951109441
E110945	16x17	18x19	34,5	35,6	11,7	12,2	230	265	1	3258951109458



SET OF 3 "4-IN-1" RATCHETS - MM

→ Contains sizes 8 - 19 mm.



	Content set	Quantity	Weight g		EAN
E111115	8x10-12x13 - 9x11-14x15 - 16x17-18x19	3	540	1	3258951111154



RATCHET WRENCH MODULES

MODULE OF 7 RATCHETING COMBINATION WRENCHES METRIC AND 1 ADJUSTABLE WRENCH

- Thermoformed module.
- Designed to be inserted in roller cabinet drawers.
- Empty module: E010509.



	Content set	Quantity	Weight g		EAN
E111100	8-10-12-13-14-17-19 mm.- 250 mm.	8	1575	1	3258951111000

MODULE OF 12 RATCHETING COMBINATION WRENCHES - METRIC

- Thermoformed module.
- Designed to be inserted in roller cabinet drawers.
- Empty module: E195064.



	Content set	Quantity	Weight g		EAN
E194938	8-9-10-11-12-13-14-15-16-17-18-19 mm.	12	1592	1	3258951949382



WRENCHES

OPEN END WRENCHES

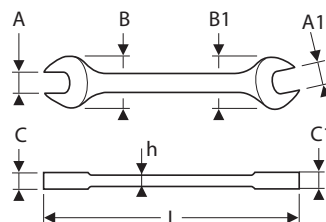
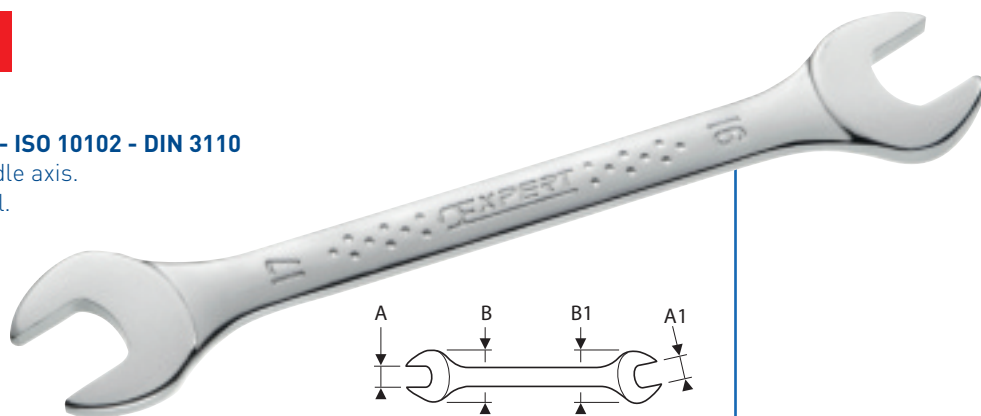
OPEN END WRENCHES - METRIC

→ ISO 691 - ISO 1711 - 1 - ISO 3318 - ISO 10102 - DIN 3110

→ Open end angled at 15° from handle axis.

→ Forged in Chrome Vanadium steel.

→ High chrome finish.



	A mm	A1 mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g		EAN
E113262	4	5	12.5	14.5	3.2	3.2	112	15	1	3258951132623
E113250	6	7	16	18	3.3	3.3	122	20	1	3258951132500
E113251	8	9	20	22	3.6	3.6	140	32	1	3258951132517
E113265	8	10	20	22	3.6	3.6	140	32	1	3258951132654
E113252	10	11	23.4	25.4	4	4	156	47	1	3258951132524
E113267	10	13	25.8	28.4	5	5	172	62	1	3258951132678
E113268	11	13	27.2	28.4	5	5	172	62	1	3258951132685
E113253	12	13	27.2	28.4	5	5	172	63	1	3258951132531
E113272	13	17	31.4	33.9	5.6	5.6	188	88	1	3258951132722
E113254	14	15	31.4	33.9	5.6	5.6	188	92	1	3258951132548
E113255	16	17	35.9	38	6.1	6.1	204	118	1	3258951132555
E113275	17	19	38.4	41.9	6.5	6.5	220	158	1	3258951132753
E113256	18	19	38.4	41.9	6.5	6.5	220	146	1	3258951132562
E113257	20	22	42	45.9	7.2	7.2	234	200	1	3258951132579
E113258	21	23	45.2	48.4	7.5	7.5	247	220	1	3258951132586
E113279	22	24	45.2	48.4	7.5	7.5	247	234	1	3258951132791
E111201	24	26	50.4	55.9	8	8	266	318	1	3258951112014
E113259	24	27	50.4	55.9	8	8	266	375	1	3258951132593
E113260	25	28	53.4	61.9	8.4	8.4	285	377	1	3258951132609
E113261	26	28	53.4	61.9	8.4	8.4	285	456	1	3258951132616
E113281	27	29	58.3	62.7	9.1	9.1	302	456	1	3258951132814
E113282	27	30	58.3	62.7	9.1	9.1	302	481	1	3258951132821
E113909	30	32	59.9	64	9.1	9.1	302	600	1	3258951139097
E113285	33	35	64	78	10	10	319	612	1	3258951132852
E113287	34	36	64	78	10	10	319	918	1	3258951132876
E113286	36	41	74.3	85.4	12.2	12.2	380	918	1	3258951132869
E113288	38	42	74.3	85.4	12.2	12.2	380	918	1	3258951132890
E111202	41	46	85	94	14.7	14.7	415	1450	1	3258951112021
E111203	46	50	94	103	15.7	15.7	465	1767	1	3258951112038





SETS OF OPEN END WRENCHES - METRIC



	Content set	Contents	Quantity	Weight g		EAN
E111406	4x5-6x7-8x9-10x11-12x13-14x15-16x17-18x19 mm.	Plastic rack	8	720	1	3258951114063
E117381	6x7-8x9-10x11-12x13-14x15-16x17-18x19-21x23-22x24-26x28-27x29-30x32 mm.	Cardboard box	12	2350	1	3258951173817
E111222	6x7-8x9-10x11-12x13-14x15-16x17-18x19-21x23-22x24-26x28-27x29-30x32 mm.	Tool roll	12	2350	1	3258951112229
E117382	4x5-6x7-8x9-10x11-12x13-14x15-16x17-18x19-21x23-22x24-26x28-27x29-30x32-33x35-36x41-38x42 mm.	Cardboard box	16	4730	1	3258951173824

MODULE OF 11 OPEN END WRENCHES - METRIC

- Thermoformed module.
- Designed to be inserted in roller cabinet drawers.
- Empty module: E111221.



	Content set	Quantity	Weight g		EAN
E111220	6x7-8x9-10x11-12x13-14x15-16x17-18x19-21x23-22x24-27x29-30x32 mm.	11	2345	1	3258951112205



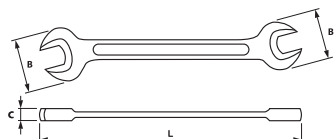


WRENCHES

DIN OPEN END WRENCHES

DIN OPEN END WRENCHES

- DIN 894 - ISO 272 - ISO 1711 - 1 - ISO 691 - ISO 3318
- Open end with 15° angle with respect to the handle's axis.
- (30° increment)
- Forged in high grade alloy steel.
- Black phosphate finish.



	A mm	A1 mm	B mm	B1 mm	C mm	L mm	Weight g		EAN
E114001	5.5	7	13	15	3	93	12	1	3258951140017
E114002	6	7	13	15	3	93	12	1	3258951140024
E114004	7	8	15	17	3.4	101	16	1	3258951140048
E114005	8	9	17	19	3.4	101	20	1	3258951140055
E114006	8	10	17	21	3.8	111	22	1	3258951140062
E114007	9	10	19	21	3.8	111	25	1	3258951140079
E114008	10	11	21	24	4.7	120	32	1	3258951140086
E114009	10	12	21	25	4.7	120	35	1	3258951140093
E114012	12	13	25	27	5.2	130	45	1	3258951140123
E114015	13	16	27	32.5	5.5	148	62	1	3258951140154
E114016	13	17	27	34.5	6	155	74	1	3258951140161
E114017	14	15	28.5	30.5	5.5	150	60	1	3258951140178
E114018	14	17	28.5	34.5	6	162	72	1	3258951140185
E114019	16	18	32.5	33.5	6.2	162	86	1	3258951140192
E114020	17	19	34.5	38.5	6.2	172	75	1	3258951140208
E114021	18	21	36.5	42	6.5	181	118	1	3258951140215
E114022	19	22	38.5	44	6.5	184	125	1	3258951140222
E114023	19	24	38.5	48	7.5	201	153	1	3258951140239
E114024	22	24	44	48	7.5	212	168	1	3258951140246
E114025	24	27	48	53	8.5	236	255	1	3258951140253
E114026	24	30	48	60	9.2	276	298	1	3258951140260
E114027	27	30	53	60	9.2	275	320	1	3258951140277
E114028	30	32	60	64	10.2	275	372	1	3258951140284
E114029	30	34	60	68	10.6	280	390	1	3258951140291
E114030	32	36	64	71	11.2	297	530	1	3258951140307
E114031	36	41	71	81	12.5	335	619	1	3258951140314
E114032	41	46	81	92	12.5	374	908	1	3258951140321
E114033	46	50	92	100	13	414	1130	1	3258951140338
E114034	55	60	110	120	14.4	480	1885	1	3258951140345



SET OF DIN OPEN END WRENCHES - MM



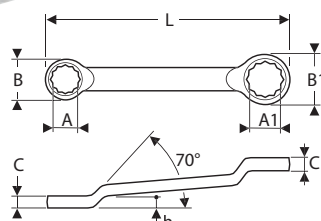
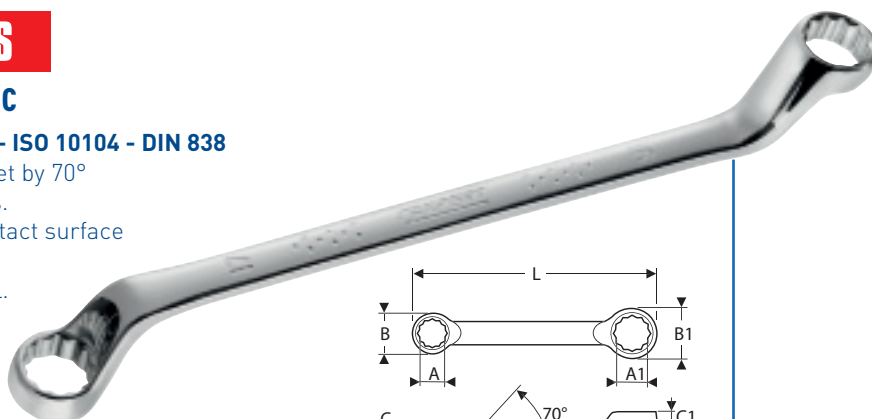
	Content set	Contents	Quantity	Weight g		EAN
E114040	5,5x7-8x9-10x11-12x13-13x17-14x15-16x18-17x19-19x22-24x27-24x30-30x32 mm	Tool roll	12	1750	1	3258951140406



OFFSET RING WRENCHES

OFFSET RING WRENCHES - METRIC

- ISO 691 - ISO 1711 - 1 - ISO 3318 - ISO 10104 - DIN 838
- 12-point OGV® ring wrenches offset by 70° for better access to recessed nuts.
- OGV® Ring profile maximizing contact surface with the nut for a longer lifetime.
- Forged in Chrome Vanadium steel.
- High chrome finish.



	A mm	A1 mm	B mm	B1 mm	C mm	C1 mm	L mm	Weight g		EAN
E113321	6	7	10.8	12.5	4	5.6	170	45	1	3258951133217
E113322	8	9	13.4	15.3	6	6.8	182	70	1	3258951133224
E111501	8	10	13.4	15.5	6	7.4	190	79	1	3258951115015
E113323	10	11	16	17.8	7.4	7.9	206	90	1	3258951133231
E113324	12	13	18.8	20.2	8.4	8.9	213	126	1	3258951133248
E113364	13	17	19	25.2	9	11	245	170	1	3258951133644
E113325	14	15	20.8	22.5	9.4	9.9	228	155	1	3258951133255
E113326	16	17	24.2	25.7	10.4	10.9	246	193	1	3258951133262
E113366	17	19	27.6	28.7	11.4	11.9	265	250	1	3258951133668
E111500	18	19	27.6	28.7	11.4	11.9	265	241	1	3258951115008
E111502	19	22	29.7	32.5	12.4	12.9	288	314	1	3258951115022
E113328	20	22	29.7	32.5	12.4	12.9	288	315	1	3258951133286
E113730	21	23	31	33	12.3	13.3	310	352	1	3258951137307
E113329	22	24	31	33	12.3	13.3	310	344	1	3258951133293
E111503	24	27	34	39	13.7	14.3	330	475	1	3258951115039
E113367	25	28	36.6	40.5	14.2	14.7	348	548	1	3258951133675
E113368	27	29	42	45.2	15	16	372	662	1	3258951133682
E113369	27	30	42	45.2	15	16	372	662	1	3258951133699
E117376	30	32	42.2	45.5	15	16	372	635	1	3258951173763



OFFSET RING WRENCHES

SETS OF OFFSET RING WRENCHES - METRIC



	Content set	Contents	Quantity	Weight g		EAN
E111709	20x22-21x23-24x27-27x30-30x32 mm.	Cardboard box	5	2575	1	3258951117095
E111708	8x9-10x11-12x13-14x15-16x17-18x19 mm.	Plastic rack	6	980	1	3258951117088
E111714	6x7-8x9-10x11-12x13-16x17-18x19-24x27-30x32 mm.	Tool roll	8	1700	1	3258951117149

MODULE OF 8 OFFSET RING WRENCHES - METRIC

- Thermoformed module.
- Designed to be inserted in roller cabinet drawers.
- Empty module: E111711.



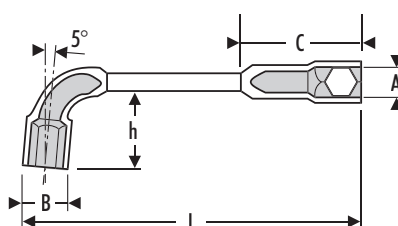
	Content set	Quantity	Weight g		EAN
E111710	6x7-8x9-10x11-12x13-14x15-16x17-18x19-22x24 mm.	8	1576	1	3258951117101



ANGLED SOCKET WRENCHES

ANGLED SOCKET WRENCHES 12-POINT X 6-POINT - METRIC

- ISO 691 - ISO 2236
- The specific angle offers increased torque application.
- The opening allows a threaded rod to be passed through for nuts on a long thread and also enables the use of a bar to increase torque application.
- The deep punch in the heads allows for tightening even when the threaded rod protrudes.
- Forged in Chrome Vanadium steel.
- High chrome finish.



	A mm	B mm	C mm	L mm	Weight g		EAN
E113458	6	10	23	102	30	1	3258951134580
E113459	7	11	24	106	40	1	3258951134597
E113370	8	12.5	27	114	55	1	3258951133705
E113371	9	13.5	28	122	75	1	3258951133712
E113372	10	15	30	129	90	1	3258951133729
E113373	11	16.5	32	136	110	1	3258951133736
E113374	12	18	38	144	150	1	3258951133743
E113375	13	19.5	40	152	165	1	3258951133750
E113376	14	21	42	160	200	1	3258951133767
E113377	15	22.5	44	169	220	1	3258951133774
E113378	16	24	49	178	270	1	3258951133781
E113379	17	25.5	51	187	310	1	3258951133798
E113380	18	26.5	53	195	330	1	3258951133804
E113381	19	28.5	54	204	410	1	3258951133811
E113382	20	29.5	56	212	465	1	3258951133828
E113383	21	30.5	58	221	490	1	3258951133835
E113384	22	32	60	230	525	1	3258951133842
E113385	23	33.5	67	240	640	1	3258951133859
E113386	24	34.5	70	250	640	1	3258951133866
E113388	27	38	77	280	960	1	3258951133880
E113389	30	42	87	310	1250	1	3258951133897
E113390	32	44.5	92	330	1425	1	3258951133903



WRENCHES

ANGLED SOCKET WRENCHES

SETS OF ANGLED SOCKET WRENCHES - METRIC



	Pans	Content set	Contents	Quantity	Weight g		EAN
E117387	6 x 12	8-10-11-12-13-14-16-17-18-19 mm.	Cardboard box	10	2230	1	3258951173879
E117386	6 x 12	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24 mm.	Cardboard box	16	4890	1	3258951173862
E112201	6 x 12	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32 mm.	Cardboard box	22	9210	1	325895112013

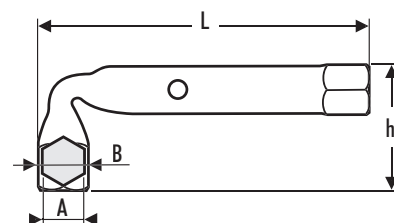
BOX WRENCHES

6 X 6 BOX WRENCHES

- ISO 691 - ISO 2236
- Will reach nuts on long threaded rods.
- Through hole for using a bar.
- High chrome finish.



	A mm	B mm	H mm	L mm	Weight g		EAN
E113500	5	8	23.5	95	25	1	3258951135006
E113501	5.5	9	25	95	25	1	3258951135013
E113502	6	9.9	26.5	100	30	1	3258951135020
E113503	7	11.1	28.5	100	30	1	3258951135037
E113504	8	12.7	31.5	109	50	1	3258951135044
E113505	9	13.9	33	109	50	1	3258951135051
E113506	10	15.5	36.5	118	77	1	3258951135068
E113507	11	16.7	36.5	118	87	1	3258951135075
E113508	12	18	43	127	117	1	3258951135082
E113509	13	19.5	43	127	118	1	3258951135099
E113510	14	21.2	49	136	156	1	3258951135105
E113512	15	22.3	49	136	157	1	3258951135129
E113513	16	23.4	55	145	190	1	3258951135136
E113514	17	24.5	55	145	191	1	3258951135143
E113515	18	25.8	61	154	226	1	3258951135150
E113516	19	27	61	154	227	1	3258951135167
E113517	21	30.3	67.5	163	317	1	3258951135174
E113518	22	31.4	68	172	353	1	3258951135181
E113519	23	32.5	72.5	172	360	1	3258951135198
E113520	24	33	74.5	180	420	1	3258951135204



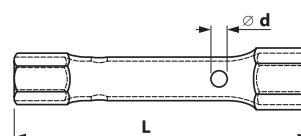


6X6 SIDED STRAIGHT BOX WRENCHES

- UNI 6746 - ISO 2236 - DIN 896
- Through hole for using a bar.
- Chrome molybdenum steel body.
- Smooth chrome finish.



	A mm	d mm	L mm	Weight g	☐	EAN
E112801	6x7	5.5	100	25	5	3258951128015
E112802	8x9	5.5	108	45	5	3258951128022
E112803	8x10	5.5	90	50	5	3258951128039
E112804	9x10	5.5	90	50	5	3258951128046
E112805	10x11	6.5	116	60	5	3258951128053
E112806	11x12	6.5	100	70	5	3258951128060
E112807	12x13	6.5	124	90	5	3258951128077
E112808	13x17	8.5	100	110	5	3258951128084
E112809	14x15	8	132	125	5	3258951128091
E112810	16x17	8	140	150	5	3258951128107
E112811	18x19	8	158	175	5	3258951128114
E112812	20x22	10	156	245	5	3258951128121
E112813	21x23	10	163	275	3	3258951128138
E112814	24x26	11	173	325	3	3258951128145
E112815	25x28	12.5	182	445	3	3258951128152
E112816	27x29	12.5	191	475	3	3258951128169
E112817	30x32	13.5	200	590	3	3258951128176

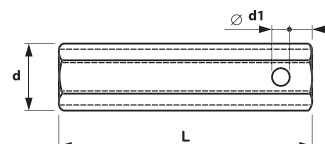


SIMPLE HEW BOX WRENCHES

- Through hole for using a bar.



	A mm	d mm	d1 mm	L mm	Weight g	☐	EAN
E112818	8	12	4.5	70	20	1	3258951128183
E112819	9	13.2	4.5	70	30	1	3258951128190
E112820	10	14.5	5.5	80	30	1	3258951128206
E112821	12	16.2	6.5	80	60	1	3258951128213
E112822	13	17.6	6.5	80	60	1	3258951128220
E112823	14	19.5	6.5	80	60	1	3258951128237
E112824	16	21.9	6.5	80	60	1	3258951128244
E112825	18	24.6	10.5	90	80	1	3258951128251
E112826	17	23.3	8.5	90	70	1	3258951128268
E112827	19	25.9	10.5	90	80	1	3258951128275
E112828	21	28.2	10.5	90	120	1	3258951128282
E112829	22	29.6	10.5	90	120	1	3258951128299
E112830	24	31.9	12.5	100	140	1	3258951128305
E112831	27	35.8	12.5	100	170	1	3258951128312
E112832	30	39.7	16.5	110	208	1	3258951128329





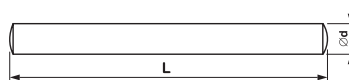
WRENCHES

BOX WRENCHES

BARS

→ ISO 286-2

→ For use with box wrenches.



	d mm	L mm	Weight g		EAN
E112901	6	125	30	1	3258951129012
E112902	8	160	60	1	3258951129029
E112903	10	220	140	1	3258951129036

FLARE NUT WRENCHES

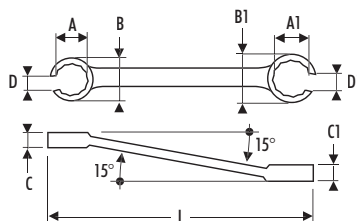
6 X 6 POINT FLARE NUT WRENCHES

→ DIN 3118 - ISO 691

→ 6-point heads up to 12 x 14 mm.

→ Forged in Chrome Vanadium steel.

→ High chrome finish.



	A mm	A1 mm	B mm	B1 mm	C mm	C1 mm	d mm	d1 mm	L mm	Weight g		EAN
E112301	7	9	17.8	19.3	6.5	7.5	6	6.5	139	41	1	3258951123010
E117388	8	10	17.8	19.3	6.5	7.5	6	7	139	41	1	3258951173886
E117391	11	13	22.8	25.3	6.5	7.5	6	7	174	82	1	3258951173916
E117392	12	14	22.8	25.3	8.5	10.5	9	11	174	77	1	3258951173923
E117394	17	19	31.2	33	12	13	14	15	213	182	1	3258951173947
E117395	19	22	33.4	38.4	13	14	15	17	228	229	1	3258951173954
E117368	24	27	42.4	46.4	16	17	18	20	255	412	1	3258951173688



SET OF 5 FLARE-NUT WRENCHES 6-POINT X 6-POINT

→ Supplied on plastic rack.

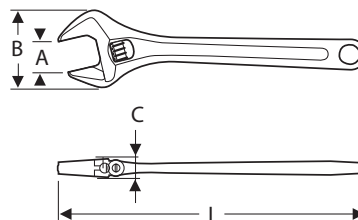


	Content set	Quantity	Weight g		EAN
E112501	7x9-8x10-11x13-12x14-17x19 mm.	5	470	1	3258951125014

ADJUSTABLE WRENCHES

ADJUSTABLE WRENCHES

- ISO 6787 - DIN 3117 - ASME B 107.8 M
- Head tilted at 15° for a 30° deflection angle when flipped.
- Hardened chrome-vanadium steel body.
- Chrome finish.
- Reduced nose thickness for better access.
- Round handle design for better ergonomics.
- Fully tempered and hardened jaws.



	A mm	B mm	C mm	L mm	Weight g		EAN
E187366	20	46	10.8	6" - 150	130	1	3258951873663
E187368	24	57.4	13.5	8" - 200	240	1	3258951873687
E187470	29	69.8	16	10" - 250	440	1	3258951874707
E187472	34	82.3	19	12" - 300	700	1	3258951874721
E187473	44	104.3	25	15" - 375	1290	1	3258951874738
E117905	55	120	26	18" - 450	1950	1	3258951179055
E117906	62	132	31	24" - 600	3225	1	3258951179062

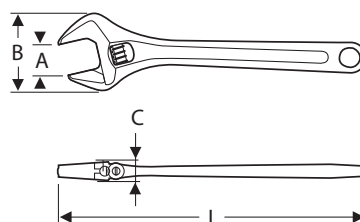


WRENCHES

ADJUSTABLE WRENCHES

BI-MATERIAL ADJUSTABLE WRENCH

- ISO 6787 - DIN 3117 - ASME B 107.8 M
- Head inclined at 15 ° allowing to reduce the angle of travel to 30 ° by turning.
- Thin profile for better accessibility.
- Plastic handle for better comfort.
- Forged body made of Chrome Vanadium steel.
- Chrome finish faces.



	A mm	B mm	C mm	L mm	Weight g		EAN
E112605	30	60.2	12.9	8" - 210	245	1	3258951126059
E112606	35	72.0	15.4	10" - 260	450	1	3258951126066
E112607	41	84.0	18.3	12" - 310	740	1	3258951126073

SET OF 3 ADJUSTABLE WRENCHES

- ISO 6787 - DIN 3117 - ASME B 107.8 M
- Head inclined at 15 ° allowing to reduce the angle of travel to 30 ° by turning.
- Decreased throat thickness for better accessibility.
- Direction of rotation of the wheel: on the right.
- Plastic handle for better comfort.
- Forged body made of Chrome Vanadium steel.
- Finish: chrome, polished faces.



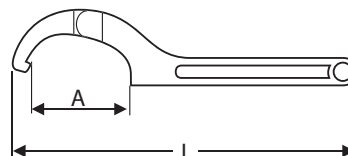
	Quantity	Weight g		EAN
E112703	3	1435	1	3258951127032



HOOK AND PIN WRENCHES

HOOK AND PIN WRENCHES

- Sizes cover 19 to 159mm.
- Hardened Chrome Vanadium steel body.
- High chrome finish.

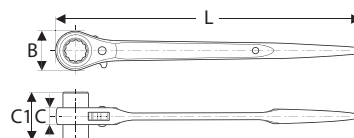


	A mm	L mm	Weight g		EAN
E112601	19 - 51	165	130	1	3258951126011
E112602	32 - 76	216	225	1	3258951126028
E112603	51 - 121	267	455	1	3258951126035
E112604	114 - 159	308	490	1	3258951126042

SCAFFOLDING WRENCHES

SCAFFOLDING WRENCHES

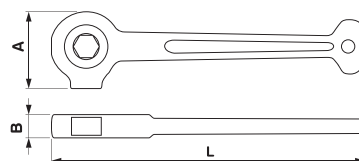
- Special for scaffolding assembly/disassembly.
- 32 tooth mechanism.
- Direction switch by built-in protected control.
- Double sided mechanism for two sizes per wrench:
- E110961: 17 x 19 mm.
- E110962: 21 x 22 mm.
- Zinc finish.



	B mm	C mm	C1 mm	L mm	Weight g		EAN
E110961	40.7	17	50	309	430	1	3258951109618
E110962	40.7	17	50	309	714	1	3258951109625

SCAFFOLD WRENCH 19MM

- ISO 691
- Special for scaffolding assembly/disassembly.
- Head machined to be used as a hammer.
- Hole in handle to fasten a hand strap for working in high places.
- Black phosphate finish.



	A mm	B mm	L mm	Weight g		EAN
E114301	65	28.5	270	780	1	3258951143018

RATCHETS - SOCKETS





Multiple bit sets

P.50



1/4" socket sets

P.54



3/8" socket sets

P.66



1/2" socket sets

P.77



3/4" socket sets

P.95



1" socket sets

P.100





→ **STRONG, COMPACT AND OPTIMISED STORAGE**

→ **COMPACT**

6 sizes of cases to meet all needs, designed to be as compact as possible.

→ **LINING**

The inner lining of the cases is made of modules in plastic or foam according to requirements.

→ **BUILT-IN HANDLE**

The largest dimensions have a **built-in handle** for easy carrying.

LATCHES

Built in **double latches** on the 4 largest → models, ensuring strong and effective locking.



L. 565 x P. 415 x H. 92mm



L. 415 x P. 283 x H. 92mm



→ OPTIMUM STORAGE IN ROLLING CABINETS

→ ORGANISATION

All the cases are designed to fit perfectly inside the Expert storage range.

STORAGE

Set cases **can be stored** in the drawers

→ **easily**, open or closed. When open the set cases form ideal drawer modules.

OPENING

The cases can be **opened completely flat**.

→ Roller Cabinet drawers can be organised with modules and/or set cases open or closed.



HANDY TIP

4 largest cases come with sliding hinge pins which allow the lid and base to be split into 2 parts and used independently.



L. 275 x P. 186 x H. 80mm



L. 186 x P. 138 x H. 54mm



L. 137 x P. 94 x H. 31mm



L. 92 x P. 64 x H. 31mm

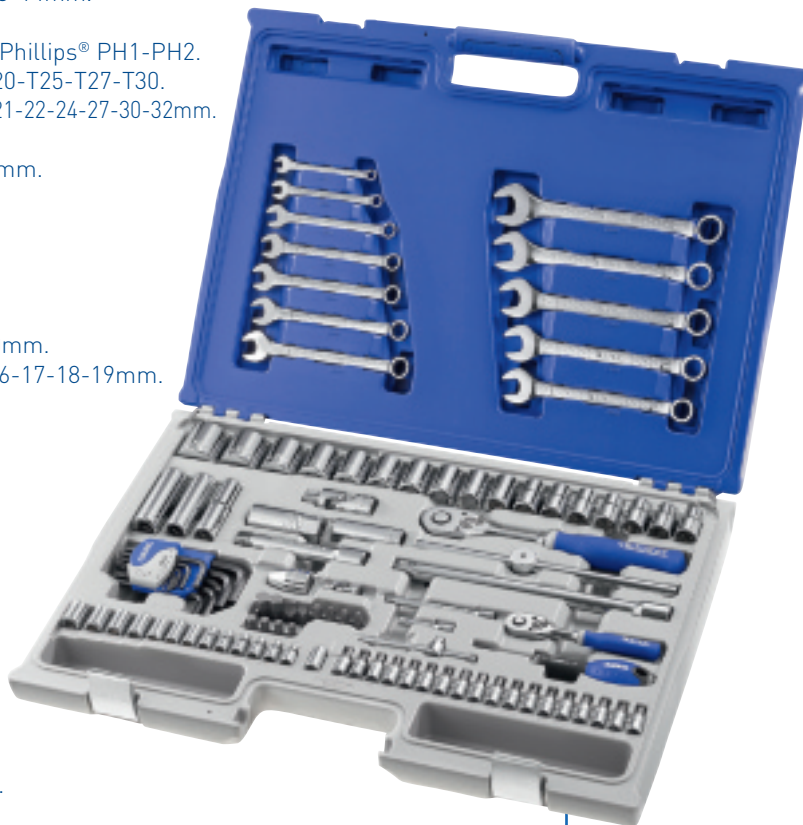




MULTIPLE BIT SET

1/4" & 1/2" SOCKET, WRENCH AND ACCESSORY SET - 101 PIECES

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- 1/4" hex screwdriver bit sockets: 3-4-5-6mm.
- 1/4" screwdriver bit sockets: Pozidriv® PZ1-PZ2 - Phillips® PH1-PH2.
- 1/4" Torx® screwdriver bit sockets: T8-T10-T15-T20-T25-T27-T30.
- 1/2" hex sockets: 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32mm.
- 1/2" deep hex sockets: 13-17-19mm.
- 1/4" slotted head screwdriver bit sockets: 4-5.5-7mm.
- 5/16" slotted head bits: 8-12mm.
- 5/16" Phillips® bits: PH3-PH4.
- 5/16" Pozidriv® bits: PZ3-PZ4.
- 5/16" hex bits: 12-14mm.
- 5/16" Torx® bits: T40-T45-T50-T55.
- Hex key set in sleeve: 1.5-2-2.5-3-4-5-6-7-8-9-10mm.
- Combination wrenches: 7-8-10-11-12-13-14-15-16-17-18-19mm.
- 1 1/4" pear head ratchet.
- 1 1/4" bit adaptor.
- 2 1/4" extensions 55-100mm.
- 1 1/4" universal joint.
- 1 1/4" sliding T-handle.
- 1 1/4" bi-material screwdriver handle.
- 1 1/2" pear head ratchet.
- 1 1/2" universal joint.
- 2 1/2" extensions 130-250mm.
- 1 1/2" sliding T-handle.
- 2 1/2" spark plug sockets: 16-21mm.
- 1 1/2" to 5/16" bit adaptor.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



E032911	☒	Quantity	Dimensions	Weightkg	☒	EAN
E032911	1/4" - 1/2"	101	L.565xP.415xH.92mm	8	5	3258950315256

1/4"-3/8" METRIC SOCKET AND ACCESSORY MODULE - 62 PIECES

- 1 1/4" meter locking ratchet.
- 1 1/4" bit holder socket.
- 2 1/4" extension - 55-100mm.
- 13 1/4" 6-sided sockets: 4-14mm.
- 11 1/4" Torx® sockets: T6 - T40.
- 1 3/8" meter locking ratchet.
- 1 3/8" bit holder socket.
- 1 3/8" extension 125mm.
- 14 3/8" 12-sided sockets: 8-22mm.
- 14 3/8" drive long hex sockets: 8-22mm.
- 3 3/8" Torx® sockets: T45-T50-T55.
- Empty module: E034854.

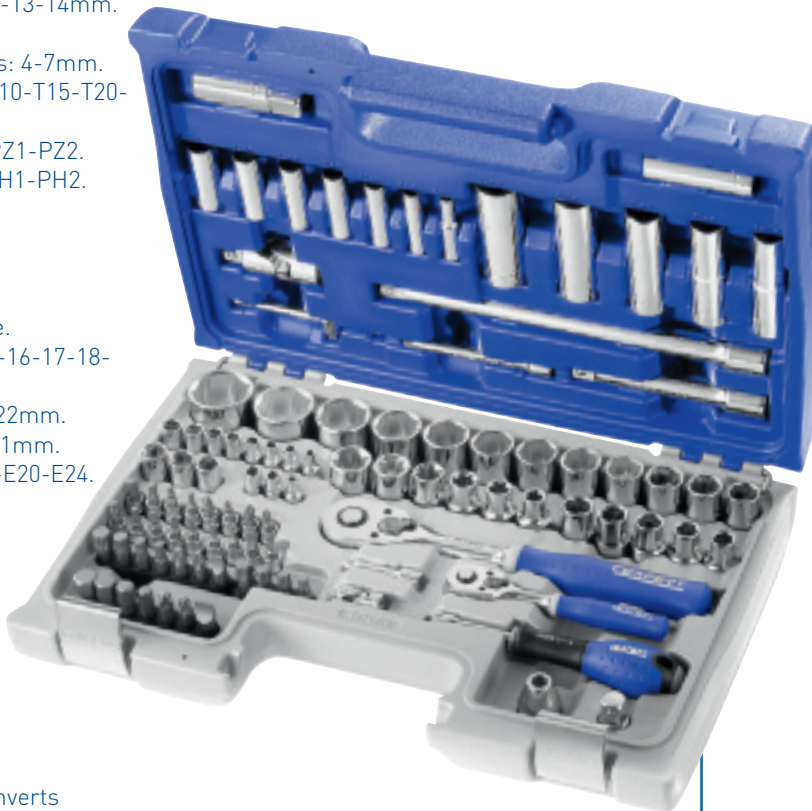


E034853	☒	Quantity	Weightkg	☒	EAN
E034853	1/4" - 1/2"	62	3,1	1	3258950348537



1/4" & 1/2" SOCKET AND ACCESSORY SET - 98 PIECES

- 1/4" sockets hex: 4-5-5.5-6-7-8-9-10-11-12-13mm.
- 1/4" deep hex sockets: 6-8-10-11-12-13-14mm.
- 1/4" Torx® bits: T6-T8-T10.
- 1/4" slotted head screwdriver sockets: 4-7mm.
- 1/4" Torx® screwdriver sockets: T8-T10-T15-T20-T25-T27-T30.
- 1/4" Pozidriv® screwdriver sockets: PZ1-PZ2.
- 1/4" Phillips® screwdriver sockets: PH1-PH2.
- 1 1/4" pear head ratchet.
- 2 1/4" extensions 55-100mm.
- 1 1/4" universal joint.
- 1 1/4" sliding T-handle.
- 1 1/4" bi-material screwdriver handle.
- 1/2" hex sockets: 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32mm.
- 1/2" hex deep sockets: 14-15-17-19-22mm.
- 2 1/2" spark plug sockets: 16mm & 21mm.
- 1/2" Torx® sockets: E12-E14-E16-E18-E20-E24.
- 1 1/2" pear head ratchet.
- 1 1/2" - 3/8" adaptor.
- 1 1/2" to 5/16" bit adaptor.
- 1 1/2" universal joint.
- 2 1/2" extensions 130-250mm.
- 1 1/2" extension 250mm.
- 5/16" XZN bits: 6-8-10-12.
- 5/16" slotted head bits: 8-12mm.
- 5/16" Torx® bits: T40-T45-T50-T55.
- 5/16" hex bits: 8-10-12-14mm.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



	☑	Quantity	Dimensions	Weightkg	📦	EAN
E034805	1/4" - 1/2"	98	L.415xP.283xH.92	6,5	1	3258950348056

1/4" - 3/8" - 1/2" TORX® SOCKET SET - 13 PIECES

- 1/4" Torx® sockets: E4-E5-E6-E7-E8.
- 3/8" Torx® sockets: E10-E12-E14-E16.
- 1/2" Torx® sockets: E18-E20-E22-E24.
- Supplied on metallic rack.



	☑	Quantity	Weightkg	📦	EAN
E034801	1/4" - 3/8" - 1/2"	13	500	10	3258950348018





MULTIPLE BIT SET

HEX, TORX®, XZN® SCREWDRIVER SOCKET SET - 38 PIECES

- 1/2" TORX® sockets: T40, T45, T50, T55, T60, T70, L140mm
- 1/2" Tamper TORX® socket: TT30, L300mm
- 1/2" Tamper TORX® socket: TT80, L100mm
- 1/2" HEX socket: 7, L230mm
- 1/2" HEX sockets: 10, 11, 13, L140mm
- 1/2" HEX sockets: 14, 17, 19, 22, 24, L50mm
- 1/2" HEX ball socket: 5, L160mm
- 1/2" XZN socket: M9, L100mm
- 1/2" XZN sockets: M10, M12, M14, L140mm
- 1/2" XZN spline bit socket: M16, L55mm
- 1/2" XZN spline bit socket: M16, L100mm
- 1/2" XZN impact socket: M18, L75mm
- 1/4" TS sockets: 10, 15, 20, 25, 27, 30, 40, 45, 50, L37mm
- 1/2" slotted sockets: 7, 8, L240mm
- 1/2" slotted sockets: 9, L100mm
- 1/2" slotted sockets: 10, L140mm



E200513		Quantity	Dimensions	Weightkg		EAN
E200513	1/4" - 1/2"	38	L.420xP.355xH.92mm	6,07	5	3258952005131

1/4" - 3/8" SOCKET SET - 9 PIECES

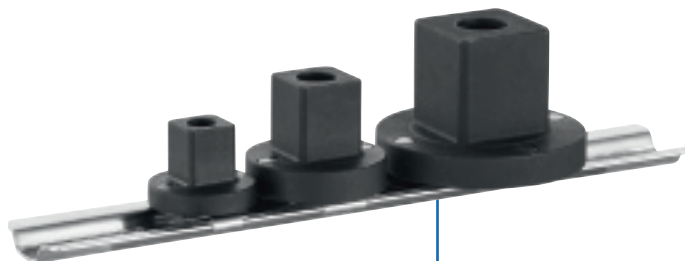
- 1/4" Hex driver sockets: 3-4-5-6mm.
- 3/8" Hex screwdriver sockets: 7-8-9-10-12mm.
- Supplied on metallic rack.



E034802		Quantity	Weightg		EAN
E034802	1/4" - 3/8"	9	300	10	3258950348025

3-PIECE SET OF MAGNETIC COUPLERS

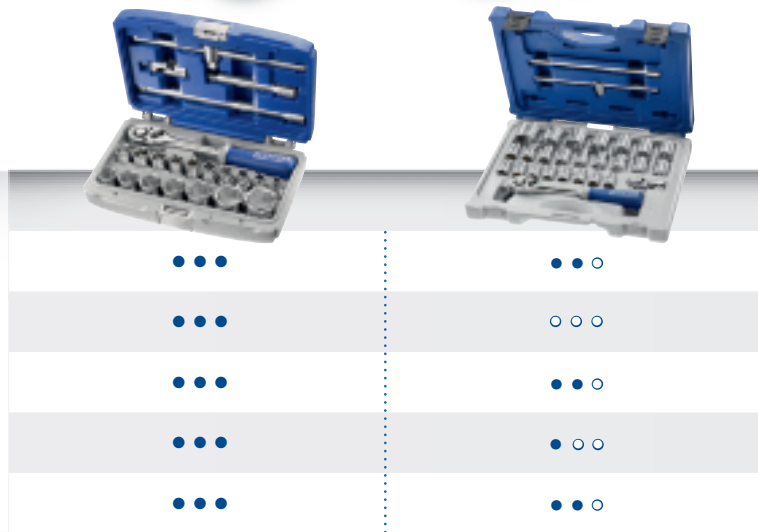
- Use only with hand tools.
- Magnetised.
- Supplied on metallic rack.
- 3 couplers.
- E041505: 1/4" to 3/8".
- E041506: 3/8" to 1/2".
- E041507: 1/2" to 3/4".



E041649	Quantity	Weightg		EAN
E041649	3	183	1	3258950416496



Modular
Removal cover
Ergonomic handle
Clasps
Strong



44-PIECE SET OF 1/4" - 1/2" METRIC RATCHETS AND ACCESSORIES

- Sockets 1/4": 5,5-7-8-9-10-12-13mm.
- 1 1/4" locking pear head ratchet.
- 1 1/4" extension: 55mm.
- 1 1/4" bit holder socket with standard locking system
- 1 1/4" locking pear head ratchet.
- Sockets 1/2": 13-16-18-21-24-27-30-34mm.
- 1/2" 6-point driver sockets: 8-10-12-14mm.
- 2 1/2" extensions: 130-250mm.
- 1 1/2" spark plug socket: 16mm.
- 1 1/2" sliding handle.
- Bits (slotted, 6-point, Pozidriv®, Torx®)
- 1 bi-material screwdriver handle.



E034855	1/4" - 1/2"	Quantity	Weightkg	1	EAN
		44	5,2		3258950348551





1/4" SOCKET SETS

1/4" SOCKET AND ACCESSORY SET - METRIC AND INCH - 73 PIECES

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- 1/4" deep hex sockets: 5-5.5-6-7-8-10-11-12-13mm.
- 1/4" 12-point sockets: 1/2"-1/4"-11/32"-3/16"-3/8"-5/16"-7/16"-7/32"-9/16"-9/32".
- 1/4" slotted head screwdriver bit sockets: 4-5.5-7mm.
- 1/4" Pozidriv® screwdriver bit sockets: PZ1-PZ2-PZ3.
- 1/4" Phillips® screwdriver bit sockets: PH1-PH2-PH3.
- 1/4" Torx® screwdriver bit sockets: T6-T7-T8-T9-T10-T15-T20-T25-T30-T40.
- 1/4" Torx® sockets: E4-E5-E6-E7-E8-E10.
- 1/4" hex screwdriver bit sockets: 2-2.5-3-4-5-6-7-8mm.
- 1 1/4" pear head ratchet.
- 3 1/4" extensions 55-100-150mm.
- 1 bi-material screwdriver handle.
- 1 1/4" universal joint.
- 1 1/4" sliding T-handle.
- 1 1/4" bit adaptor.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



		Quantity	Dimensions	Weightkg		EAN
E030707	1/4"	73	L.275xP.186xH.80mm	2	5	3258950307077



1/4" SOCKET AND ACCESSORY SET - METRIC - 42 PIECES

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- 1/4" Pozidriv® screwdriver bit sockets: PZ1-PZ2-PZ3.
- 1/4" Phillips® screwdriver bit sockets: PH1-PH2-PH3.
- 1/4" hexagonal screwdriver bit sockets: 3-4-5-6-7-8mm.
- 1/4" Torx® screwdriver bit sockets: T10-T15-T20-T25-T30-T40.
- 1/4" slotted head screwdriver sockets: 4-5.5-7mm.
- 3 1/4" extensions 55-100-150mm.
- 1 1/4" sliding T-handle.
- 1 bi-material screwdriver handle.
- 1 1/4" universal joint.
- 1 1/4" pear head ratchet.
- 1 1/4" bit holder.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



		Quantity	Dimensions	Weightkg		EAN
E030702	1/4"	42	L.275xP.186xH.80mm	1,5	10	3258950307022



1/4" SOCKET AND ACCESSORY SET - 34 PIECES

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- Slotted head bits: 4-5.5-6.5mm.
- Pozidriv® bits: PZ1-PZ2-PZ3.
- Resistor® bits: TT10-TT15-TT20-TT25-TT30-TT40.
- Hex bits: 4-5-6mm.
- 1 1/4" bit adaptor.
- 2 1/4" extensions 55-100mm.
- 1 1/4" universal joint.
- 1 bi-material screwdriver handle.
- 1 1/4" pear head ratchet.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



E194672	1/4"	Quantity	Dimensions	Weightkg		EAN
		34	L.186xP.138xH.54mm	1	4	3258951946725

1/4" SOCKET AND ACCESSORY SET - METRIC - 19 PIECES

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- 1 1/4" pear head ratchet.
- 2 1/4" extensions 55-100mm.
- 1 1/4" universal joint.
- 1 1/4" bit adaptor.
- 1 1/4" sliding T-handle.
- Supplied in socket set case also converts into a modular storage system for use in roller cabinets.



E030700	1/4"	Quantity	Dimensions	Weightkg		EAN
		19	L.186xP.138xH.54mm	0,75	10	3258950307008





1/4" SOCKET SETS

1/4" SOCKET SET - 13 PIECES

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- Supplied on metallic rack.



		Quantity	Weightg		EAN
E194675	1/4"	13	370	10	3258951946756

22-PIECE SET OF 1/4" SOCKETS

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- 6-point screwdriver sockets: 2-3-4-6mm.
- Torx® screwdriver sockets: T20-T25-T30.
- 1 1/4" parking meter locking ratchet.
- 1 1/4" extension: 150mm.
- Supplied on rack.



		Quantity	Weightg		EAN
E030727	1/4"	22	626	1	3258950307275



1/4" SOCKET AND ACCESSORY MODULE - 67 PIECES

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- 1/4" deep hex sockets: 4-5-5.5-6-7-8-9-10-11-12-13-14mm.
- 1/4" hex screwdriver bit sockets: 2-2.5-3-4-5-6-7-8mm.
- 1/4" Torx® screwdriver bit sockets: T6-T7-T8-T9-T10-T15-T20-T25-T27-T30.
- 1 1/4" hinged head ratchet.
- 1 1/4" pear head ratchet.
- 1 bi-material screwdriver handle.
- 2 1/4" extensions 55-100mm.
- 1 universal joint 1/4".
- 1 1/4" sliding T-handle.
- 1 1/4" bit adaptor.
- slotted head bits: 4-5.5-6.5mm.
- Pozidriv® bits: PZ1-PZ2-PZ3.
- Hexagonal bits: 3-4-5-6mm.
- Resistox® bits: TT10-TT15-TT20-TT25-TT30-TT40.
- Empty module: E030716.



E030715	1/4"	Quantity	Weightkg	1	EAN
		67	1,7		3258950307152

1/4" SOCKET AND ACCESSORY MODULE - 45 PIECES

- 1/4" hex sockets: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14mm.
- 1/4" slotted head bits: 4-5.5-6.5mm.
- 1/4" Pozidriv® bits: PZ1-PZ2-PZ3.
- 1/4" hex bits: 3-4-5-6mm.
- 1/4" Torx® bits: T10-T15-T20-T25-T30-T40.
- 1 1/4" meter locking ratchet.
- 2 1/4" extensions 55-100mm.
- 1 bi-material screwdriver handle.
- 1 1/4" bit adaptor.
- 1 universal joint 1/4".
- 9 piece hex key set in sleeve: 1.5-2-2.5-3-4-5-6-7-8-10mm.
- Empty module: E030701.



E194680	1/4"	Quantity	Weightkg	1	EAN
		45	1,3		3258950306018





1/4" RATCHETS

1/4" ROUND HEAD RATCHET

- ISO 3315 - DIN 3122 - ISO 1174 - 1
- 72 tooth mechanism.
- 5° increment.
- Compact head.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E030601	24.8	23.5	140	98	10	3258950306018

1/4" PEAR HEAD RATCHET

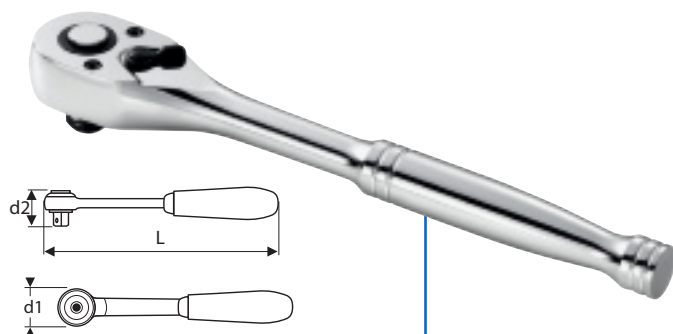
- ISO 3315 - DIN 3122 - ISO 1174 - 1
- 72 tooth mechanism.
- 5° increment.
- Socket safety lock.
- Lever reverse: rotation direction displayed.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E030605	24	22	140	125	10	3258950306056

1/4" METAL HANDLE PEAR HEAD RATCHET

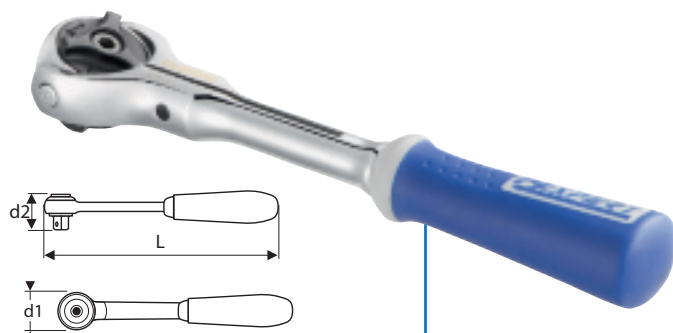
- ISO 3315 - DIN 3122 - ISO 1174 - 1
- 72-tooth mechanism.
- 5° increment.
- Socket safety lock.
- Lever reversing: rotation direction displayed.
- High chrome finish.



	d1mm	d2mm	Lmm	Weightg		EAN
E030508	24	22	140	136	10	3258950305080

1/4" HINGED HEAD RATCHET

- ISO 3315 - DIN 3122 - ISO 1174 - 1
- 72 tooth mechanism.
- 5° increment.
- Compact and angled head for easier access.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E030602	31.6	23.5	150.5	130	1	3258950306025



1/4" ACCESSORIES

1/4" SOCKET NUT HANDLE

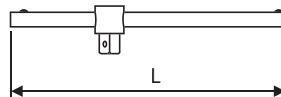
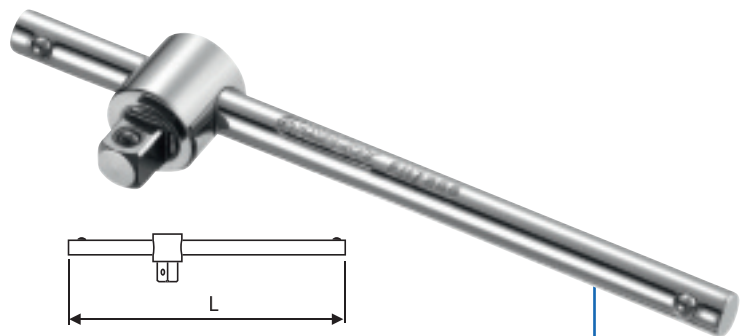
- ISO 3315 - DIN 3122
- Ergonomic bi-material handle.
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	Lmm	Weightg		EAN
E113910	158	70	5	3258951139103

1/4" SLIDING T HANDLE

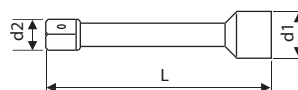
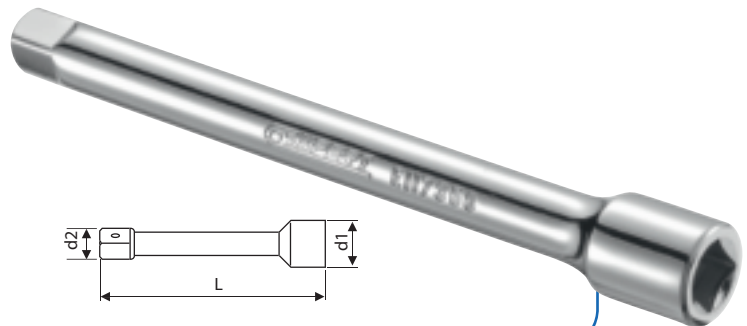
- ISO 3315 - DIN 3122 - ISO 1174 - 1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	Lmm	Weightg		EAN
E117355	105	45	10	3258951173558

1/4" EXTENSIONS

- ISO 3315 - DIN 3122 - ISO 1174 - 1
- Chrome vanadium steel.
- Finish: polished chromed.



	d1mm	d2mm	Lmm	Weightg		EAN
E113771	12.5	8.51	55	25	10	3258951137710
E117356	12.5	8.51	100	45	10	3258951173565
E113772	12.5	8.51	150	65	10	3258951137727

1/4" WOBBLE EXTENSION

- Ideal for tightening and loosening in cluttered spaces.
- Flexible body.
- Manual use [no power tools].



		EAN
E030509	1	3258950305097

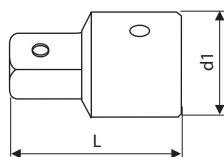




1/4" ACCESSORIES

1/4" TO 3/8" COUPLER

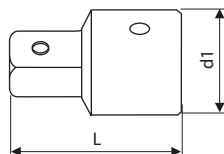
- ISO 3315 - DIN 3122 - ISO 1174 - 1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E117358	12.4	8.51	25	16	10	3258951173589

1/4" - 3/8" MAGNETIC COUPLER.

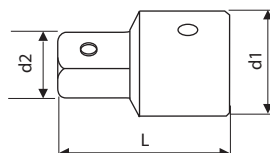
- Use only with hand tools.
- Magnetised.



		d1mm	Lmm	Weightg		EAN
E041505	1/4" - 3/8"	19	14,5	18	1	3258950415055

1/4" COUPLER TO 1/4" BIT

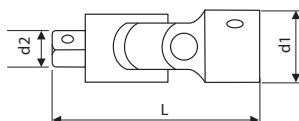
- ISO 1173 - DIN 3126 - ISO 1174 - 1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E117359	14	8.51	25	25	10	3258951173596

1/4" UNIVERSAL JOINT

- ISO 3316 - DIN 3123 - ISO 1174 - 1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



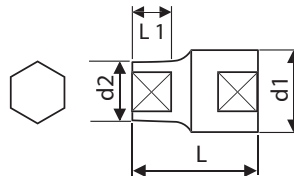
	d1mm	d2mm	Lmm	Weightg		EAN
E117360	14	8.51	25,20	22	10	3258951173602



1/4" SOCKETS

1/4" HEX SOCKETS - METRIC

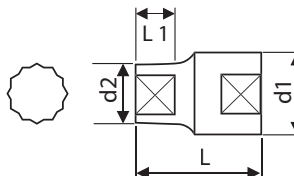
- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



	Amm	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E117293	4	12	6.9	25	3.6	10	10	3258951172933
E117688	4,5	12	7.5	25	3.6	10	10	3258951176887
E117294	5	12	8.1	25	4.2	10	10	3258951172940
E117295	5,5	12	8.8	25	4.2	10	10	3258951172957
E117296	6	12	9.4	25	4.8	10	10	3258951172964
E117297	7	12	10.9	25	5.4	12	10	3258951172971
E117298	8	12	12	25	5.4	12	10	3258951172988
E117299	9	13.2	13.2	25	6	14	10	3258951172995
E117350	10	14.7	14.7	25	7	18	10	3258951173503
E117351	11	16	16	25	8	24	10	3258951173510
E117352	12	16,9	16,9	25	8	24	10	3258951173527
E117353	13	17.7	17.7	25	8	26	10	3258951173534
E117354	14	19.7	19.7	25	10	34	10	3258951173541

1/4" 12-POINT SOCKETS - METRIC

- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



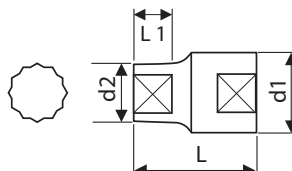
	Amm	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E030210	6	12	9.4	25	4.8	10	10	3258950302102
E030201	7	12	10.9	25	5.4	12	10	3258950302010
E030202	8	12	12	25	5.4	12	10	3258950302027
E030203	9	13.2	13.2	25	6	14	10	3258950302034
E030204	10	14.7	14.7	25	7	18	10	3258950302041
E030205	11	16	16	25	8	24	10	3258950302058
E030206	12	16,9	16,9	25	8	24	10	3258950302065
E030207	13	17.7	17.7	25	8	26	10	3258950302072
E030211	14	19.7	19.7	25	10	34	10	3258950302119



1/4" SOCKETS

1/4" 12-POINT SOCKETS - SAE

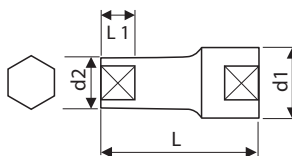
- ASME B 107-1 - ISO 1174-1
- Chrome vanadium steel.
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



	A"	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E113740	3/16"	12	8	25	3.6	7	10	3258951137406
E113741	7/32"	12	9	25	4.2	8	10	3258951137413
E113742	1/4"	12	10	25	4.8	8	10	3258951137420
E113743	9/32"	12	11	25	4	10	10	3258951137437
E113744	5/16"	12	12	25	4	10	10	3258951137444
E113745	11/32"	13.2	13.2	25	4.5	10	10	3258951137451
E113746	3/8"	14.7	14.7	25	4.5	14	10	3258951137468
E113748	7/16"	16	16	25	6	17	10	3258951137482
E113749	1/2"	17.7	17.7	25	7.2	19	10	3258951137499
E113750	9/16"	18.7	18.7	25	10	25	10	3258951137505

1/4" DEEP 6-POINT SOCKETS - METRIC

- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.

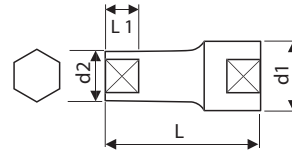


	Amm	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E113751	4	11.8	6.9	49.5	5	18	10	3258951137512
E113752	5	11.8	8	49.5	5.5	18	10	3258951137529
E113753	5.5	11.8	8	49.5	5.5	18	10	3258951137536
E113754	6	11.8	9.4	49.5	6.5	18	10	3258951137543
E113755	7	11.8	10.9	49.5	10.5	27	10	3258951137550
E113756	8	11.8	11.8	49.5	10.5	27	10	3258951137567
E113757	9	12.8	12.8	49.5	11.5	32	10	3258951137574
E113758	10	14.5	14.5	49.5	13	41	10	3258951137581
E113759	11	15.6	15.6	49.5	14	15	10	3258951137598
E113760	12	16	16	49.5	15	50	10	3258951137604
E113761	13	17	17	49.5	17	59	10	3258951137611
E113762	14	19	19	49.5	19	68	10	3258951137628



1/4" LONG-REACH HEX SOCKETS - SAE

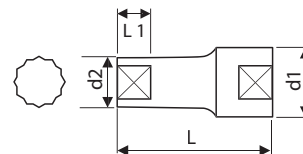
- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- Maxi Drive Profile: tightening torque applied to the sides rather than to the angles of the nut.
- Finish: polished chromed.
- For manual use.



	A"	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E030310	3/16"	11.8	8	49.5	5	18	10	3258950303109
E030311	7/32"	11.8	9	49.5	5.5	18	10	3258950303116
E030312	1/4"	11.8	10	49.5	6.5	23	10	3258950303123
E030313	9/32"	11.8	11	49.5	6.5	26	10	3258950303130
E030314	5/16"	11.8	11.8	49.5	10.5	27	10	3258950303147
E030315	11/32"	12.8	12.8	49.5	11.5	32	10	3258950303154
E030316	3/8"	14.5	14.5	49.5	12.5	41	10	3258950303161
E030317	7/16"	15.6	15.6	49.5	14.5	45	10	3258950303178
E030318	1/2"	17.6	17.6	49.5	16.5	59	10	3258950303185
E030322	9/16"	19.6	19.6	49.5	19	68	10	3258950303222

1/4" LONG 12-POINT SOCKETS - METRIC

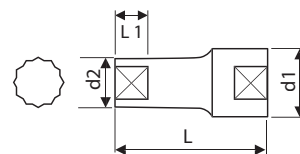
- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



	Amm	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E030216	6	11.8	9.4	49.50	6.5	18	10	3258950302164
E030217	7	11.8	10.9	49.50	10.5	27	10	3258950302171
E030218	8	11.8	11.8	49.50	10.5	27	10	3258950302188
E030219	9	12.8	12.8	49.50	11.5	32	10	3258950302195
E030220	10	14.5	14.5	49.50	13	41	10	3258950302201
E030221	11	15.6	15.6	49.50	14	15	10	3258950302218
E030222	12	16.6	16.6	49.50	15	50	10	3258950302225
E030223	13	17.6	17.6	49.50	17	59	10	3258950302232
E030224	14	19.6	19.6	49.50	19	68	10	3258950302249

1/4" LONG 12-POINT SOCKETS - SAE

- ASME B 107-1 - ISO 1174-1
- Chrome vanadium steel.
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



	A"	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E113763	1/4"	11.8	10	49.5	6.5	17	10	3258951137635
E113764	3/8"	14.5	14.5	49.5	12.5	32	10	3258951137642
E113765	5/16"	11.8	11.8	49.5	10.5	23	10	3258951137659
E113766	7/16"	15.6	15.6	49.5	14.5	40	10	3258951137666
E113767	9/16"	19.6	19.6	49.5	19	49	10	3258951137673
E113768	9/32"	11.8	11.8	49.5	6.5	17	10	3258951137680



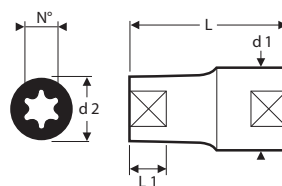


RATCHETS - SOCKETS

1/4" TORX® BIT SOCKETS

TORX® SOCKETS 1/4"

- ISO 1174-1
- For male Torx® fasteners.
- Chrome vanadium steel.
- Smooth chrome finish.



	N°	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E030129	E4	12	6.1	25	3.6	8	10	3258950301297
E030130	E5	12	6.9	25	4.2	8	10	3258950301303
E030131	E6	12	8	25	4.8	8	10	3258950301310
E030132	E7	12	8.8	25	5.4	8	10	3258950301327
E030133	E8	12	10.2	25	5.4	9	10	3258950301334
E030134	E10	12	12	25	7	11	10	3258950301341
E030150	E11	12	12.8	25	6	14	1	3258950301501
E030151	E12	12	15.7	25	9	22	1	3258950301518

1/4" SCREWDRIVER BIT SOCKETS

SET OF SCREWDRIVER BIT SOCKETS

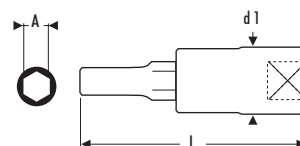
- E030704: hex 2-2.5-3-4-5-6-7-8mm.
- E030703: Torx® T6-T7-T8-T9-T10-T15-T20-T25-T27-T30.
- Supplied on metallic rack.



		Quantity	Weightg		EAN
E030704	1/4"	8	150	1	3258950307046
E030703	1/4"	10	190	1	3258950307039

1/4" HEX SCREWDRIVER BIT SOCKETS

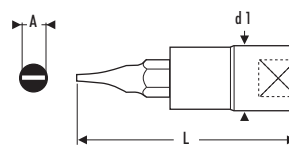
- Chrome vanadium steel.
- High chrome finish.



	Amm	d1mm	Lmm	Weightg		EAN
E030101	2	12	33	18	10	3258950301013
E030102	2.5	12	33	18	10	3258950301020
E030103	3	12	33	18	10	3258950301037
E030104	4	12	33	18	10	3258950301044
E030105	5	12	33	19	10	3258950301051
E030106	6	12	33	20	10	3258950301068
E030107	7	12	33	21	10	3258950301075
E030108	8	12	33	22	10	3258950301082

1/4" SLOTTED-HEAD SCREWDRIVER BIT SOCKETS

- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.

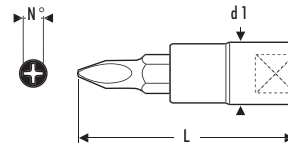


	Amm	d1mm	Lmm	Weightg		EAN
E030109	4	12	33	12	10	3258950301099
E030110	5.5	12	33	12	10	3258950301105
E030111	7	12	33	12	10	3258950301112



1/4" PHILLIPS® SCREWDRIVER BIT SOCKETS

- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.

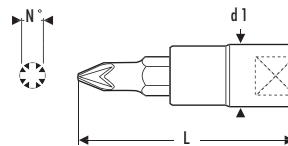


	N°	d1mm	Lmm	Weightg		EAN
E030115	PH1	12	33	12	10	3258950301150
E030116	PH2	12	33	12	10	3258950301167
E030117	PH3	12	33	12	10	3258950301174



1/4" POZIDRIV® SCREWDRIVER BIT SOCKETS

- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.

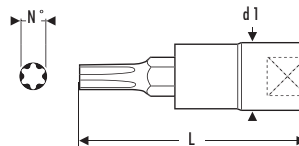


	N°	d1mm	Lmm	Weightg		EAN
E030112	PZ1	12	33	12	10	3258950301129
E030113	PZ2	12	33	12	10	3258950301136
E030114	PZ3	12	33	12	10	3258950301143



1/4" TORX® SCREWDRIVER BIT SOCKETS

- ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.

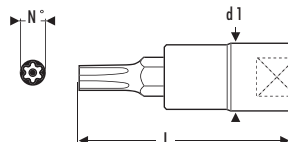


	N°	d1mm	Lmm	Weightg		EAN
E030118	T6	12	33	17	10	3258950301181
E030119	T7	12	33	17	10	3258950301198
E030120	T8	12	33	17	10	3258950301204
E030121	T9	12	33	17	10	3258950301211
E030122	T10	12	33	17	10	3258950301228
E030123	T15	12	33	17	10	3258950301235
E030124	T20	12	33	18	10	3258950301242
E030125	T25	12	33	18	10	3258950301259
E030126	T27	12	33	18	10	3258950301266
E030127	T30	12	33	18	10	3258950301273
E030128	T40	12	33	18	10	3258950301280



1/4" RESISTORX® SCREWDRIVER BIT SOCKETS

- ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.



	N°	d1mm	Lmm	Weightg		EAN
E030142	TT8	12	33	17	10	3258950301426
E030143	TT10	12	33	17	10	3258950301433
E030144	TT15	12	33	17	10	3258950301440
E030145	TT20	12	33	18	10	3258950301457
E030146	TT25	12	33	18	10	3258950301464
E030147	TT27	12	33	18	10	3258950301471
E030148	TT30	12	33	18	10	3258950301488
E030149	TT40	12	33	18	10	3258950301495





3/8" SOCKET SETS

3/8" SOCKET AND ACCESSORY SET - METRIC - 61 PIECES

- 3/8" 12-point sockets: 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24mm.
- 3/8" deep hex sockets: 8-9-10-11-12-13-14-15-17-19mm.
- 3/8" hex screwdriver bit sockets: 3-4-5-6-7-8-10mm.
- 3/8" Torx® screwdriver bit sockets: T8-T10-T15-T20-T25-T27-T30-T40-T45-T50.
- 3/8" Pozidriv® screwdriver bit sockets: PZ1-PZ2-PZ3.
- 3/8" Phillips® screwdriver bit sockets: PH1-PH2-PH3.
- 3/8" sockets for 16 and 21mm spark plugs.
- 1 3/8" pear head ratchet.
- 2 3/8" extensions 75-250mm.
- 1 3/8" sliding T-handle.
- 1 1/2" - 3/8" drive adapter.
- 1 3/8" universal joint.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



		Quantity	Dimensions	Weightkg		EAN
E031806	3/8"	61	L.415xP.283xH.92mm	5	1	3258950318066



3/8" 12-POINT SOCKET AND ACCESSORY SET - 22 PIECES

- 3/8" 12-point sockets: 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22-24mm.
- 1 3/8" pear head ratchet.
- 2 3/8" extensions 75-125mm.
- 1 3/8" to 1/4" bit adaptor.
- 1 3/8" universal joint.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



		Quantity	Dimensions	Weightkg		EAN
E031805	3/8"	22	L.275xP.186xH.80mm	1,5	1	3258950318059



3/8" DEEP HEX SOCKET SET - 15 PIECES

- 3/8" deep hex sockets: 7-8-9-10-11-12-13-14-15-16-17-18-19-21-22mm.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



		Quantity	Dimensions	Weightkg		EAN
E031804	3/8"	15	L.275xP.186xH.80mm	1,5	1	3258950318042





3/8" SOCKET AND ACCESSORY SET - 50 PIECES

- 3/8" 12-points sockets: 8-9-10-11-12-13-14-15-16-17-18-19-21-22 mm.
- 3/8" 6-points sockets deep: 8-10-11-12-13-14-15-16-17-18-19-21-22 mm.
- 3/8" hex screwdriver bit sockets: 5-6-8-10-12 mm.
- 3/8" slotted-head screwdriver bit sockets: 5,5-7-8 mm.
- 3/8" Torx® screwdriver bit sockets: T25-T27-T30-T40-T45-T50.
- 3/8" Pozidriv® screwdriver bit sockets: PZ1-PZ2-PZ3.
- 3/8" Phillips® screwdriver bit sockets: PH1-PH2-PH3.
- 1 3/8" extension: 125 mm.
- 1 3/8" universal joint.
- 1 3/8" peer head ratchet.
- Empty tray : E031822.



		Quantity	Weightkg		EAN
E031821	3/8"	50	2,8	1	3258950318219

3/8" METRIC SOCKET AND ACCESSORY MODULE - 20 PIECES

- 3/8" 12-point sockets: 7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22mm.
- 1 3/8" parking meter locking ratchet.
- 2 3/8" extensions: 125-250mm.
- 1 3/8" universal joint.
- Empty tray: E031802.



		Quantity	Weightkg		EAN
E194678	3/8"	20	1,5	1	3258951946787

3/8" 6-POINT INCH SOCKET SET - 13 PIECES

- 3/8" hex sockets: 1/4"-5/16"-11/32"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-1".
- Supplied on metal rack.



		Quantity	Weightg		EAN
E031803	3/8"	13	850	1	3258950318035

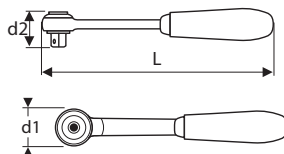




3/8" RATCHETS

3/8" ROUND HEAD RATCHET

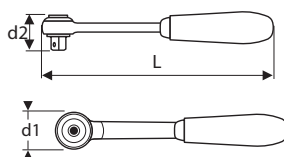
- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Compact head.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E031701	34.5	31.6	199	250	10	3258950317014

3/8" PEAR HEAD RATCHET

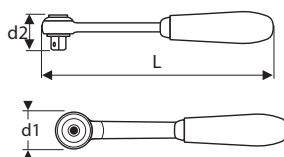
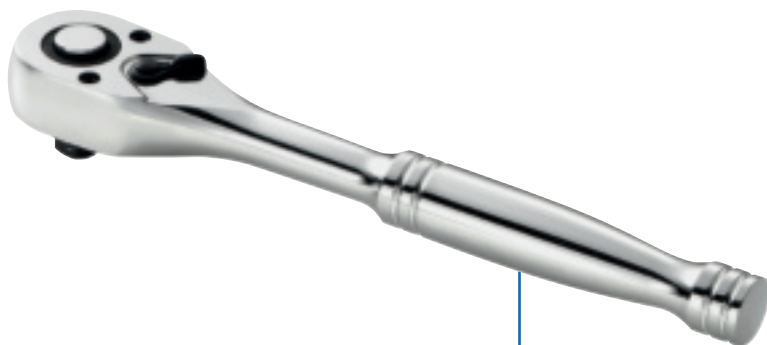
- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Socket safety lock.
- Lever reverse: rotation direction displayed.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E031706	32	29.5	300	285	1	3258950317069

3/8" METAL HANDLE PEAR HEAD RATCHET

- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Socket safety lock.
- Lever reversing: rotation direction displayed.
- High chrome finish.



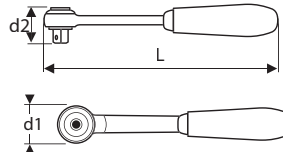
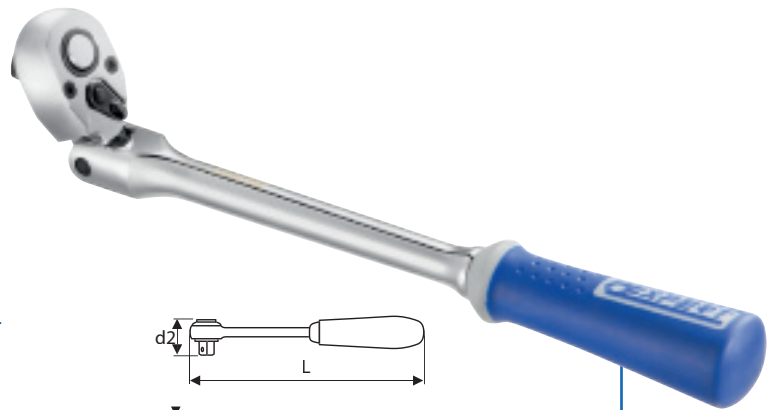
	d1mm	d2mm	Lmm	Weightg		EAN
E031612	32	30.8	199	322	1	3258950316123





3/8" HINGED RATCHET HANDLE

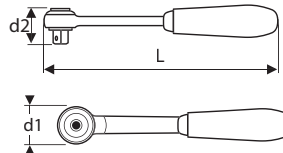
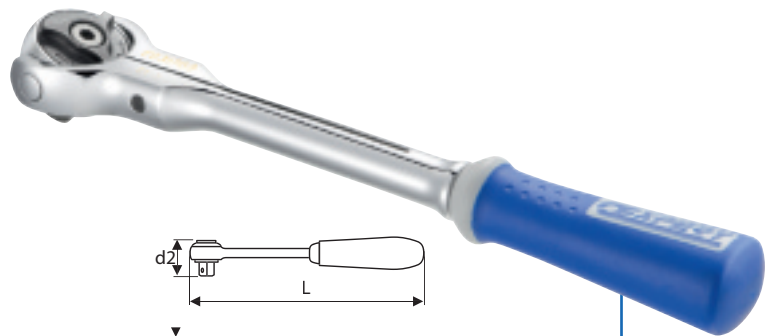
- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Angled handle for easy access.
- Long handle for stronger untightening.
- Socket safety lock.
- Reversing lever: rotation direction indication.
- High chrome finish.
- Ergonomic bi-material handle.



E031702	d1mm	d2mm	Lmm	Weightg		EAN
E031702	30	31	275	390	1	3258950317021

3/8" HINGED HEAD RATCHET

- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Compact & angled head for better access.
- High chrome finish.
- Ergonomic bi-material handle.



E031703	d1mm	d2mm	Lmm	Weightg		EAN
E031703	43.6	31.5	234,2	380	1	3258950317038

3/8" ACCESSORIES

3/8" SPEED BRACE

- ISO 3315 - DIN 3122 - ISO 1174-1
- Fast rotation.
- Rotating handle.
- High chrome finish.



E031604	Lmm	Weightg		EAN
E031604	410	395	1	3258950316048





3/8" ACCESSORIES

3/8" HINGED BREAKER BAR

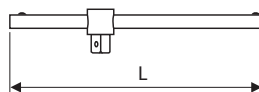
- ISO 3315 - DIN 3122 - ISO 1174-1
- Progressive joint.
- Hinged handle for easier access.
- Smooth chrome finish.
- Ergonomic bi-material grip.



	Lmm	Weightg		EAN
E031603	375	365	1	3258950316031
E031602	200	211	1	3258950316024

3/8" SLIDING T-HANDLE

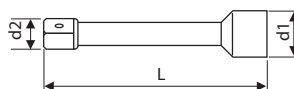
- ISO 3315 - DIN 3122 - ISO 1174-1
- Sliding head.
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	Lmm	Weightg		EAN
E117361	170	128	1	3258951173619

3/8" EXTENSIONS

- ISO 3315 - DIN 3122 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.

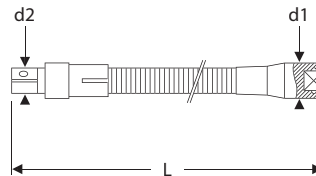
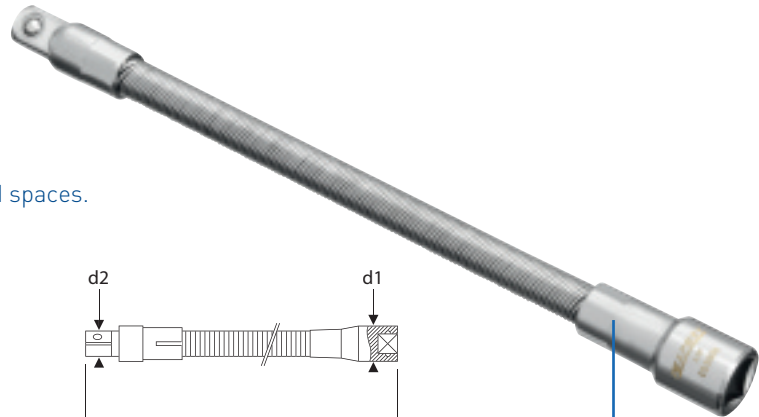


	d1mm	d2mm	Lmm	Weightg		EAN
E113850	17	12.3	125	120	10	3258951138502
E117363	17	12.3	75	75	10	3258951173633
E117364	17	12.3	250	230	10	3258951173640



3/8" WOBBLE EXTENSION - 200MM

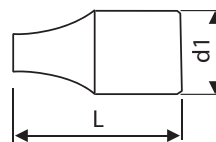
- Ideal for tightening and loosening in cluttered spaces.
- Flexible body.
- Manual use (no power tools).



	d1mm	d2mm	Lmm	Weightg		EAN
E031614	16,2	12,8	200	112	1	3258950316147

3/8" SOCKET WITH 1/4" BIT HOLDER

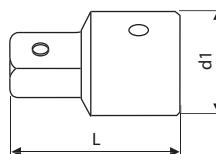
- ISO 1173 - DIN 3126 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	d1mm	Lmm	Weightg		EAN
E113851	17	25,40	24	1	3258951138519

3/8" TO 1/4" COUPLER

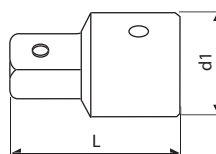
- ISO 3316 - DIN 3123 - ISO 1174-1
- High chrome finish.
- Chrome vanadium steel.
- For manual use.



	d1mm	Lmm	Weightg		EAN
E117365	17	25,40	20	1	3258951173657

3/8" - 1/2" MAGNETIC COUPLER.

- Use only with hand tools.
- Magnetised.



		d1mm	Lmm	Weightg		EAN
E041506	3/8" - 1/2"	25	20	33	1	3258950415062

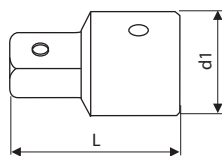




3/8" ACCESSORIES

3/8" TO 1/2" COUPLER

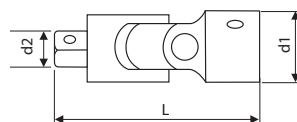
- ISO 3316 - DIN 3123 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	d1mm	Lmm	Weightg		EAN
E117366	18	36	40	1	3258951173664

3/8" UNIVERSAL JOINT

- ISO 3316 - DIN 3123 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.

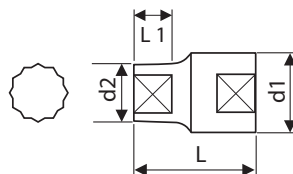


	d1mm	Lmm	Weightg		EAN
E117367	14	29,50	60	10	3258951173671

3/8" SOCKETS

3/8" - 12-POINT SOCKETS - METRIC

- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- Maxi Drive Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.

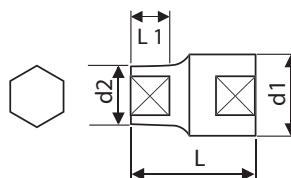


	Amm	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E030933	6	17,1	10,1	25,70	5	18	10	3258950309330
E113830	7	17,1	10,8	25,70	6	18	10	3258951138304
E113831	8	17,1	12	25,70	6	20	10	3258951138311
E113832	9	17,1	13,1	25,70	6,5	20	10	3258951138328
E113833	10	17,1	14,7	25,70	7	20	10	3258951138335
E113834	11	17,1	16	25,70	8	22	10	3258951138342
E113835	12	17,1	17,1	25,70	8,5	22	10	3258951138359
E113836	13	18,3	18,3	25,70	8,5	28	10	3258951138366
E113837	14	19,5	19,5	25,70	10	30	10	3258951138373
E113838	15	20,4	20,4	25,70	10	33	10	3258951138380
E113839	16	22,1	22,1	25,70	10	46	10	3258951138397
E113840	17	23,3	23,3	25,70	10	52	10	3258951138403
E113841	18	24,2	24,2	25,70	11	56	10	3258951138410
E113842	19	25,5	25,5	25,70	12	64	10	3258951138427
E113843	20	26,8	26,8	29	14	68	10	3258951138434
E113844	21	27,7	27,7	29	14	72	10	3258951138441
E113845	22	29,8	29,8	29	14	86	10	3258951138458
E113846	23	30,8	30,8	29	14	90	10	3258951138465
E113847	24	31,8	31,8	29	14	96	10	3258951138472



3/8" 6-POINT SOCKETS - METRIC

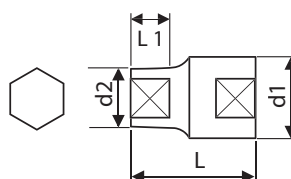
- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



	Amm	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E030935	6	17,1	10,1	25,70	5	18	10	3258950309354
E030936	7	17,1	10,8	25,70	6	18	10	3258950309361
E030937	8	17,1	12	25,70	6	20	10	3258950309378
E030938	9	17,1	13,1	25,70	6,5	20	10	3258950309385
E030939	10	17,1	14,7	25,70	7	20	10	3258950309392
E030940	11	17,1	16	25,70	8	22	10	3258950309408
E030941	12	17,1	17,1	25,70	8,5	22	10	3258950309415
E030942	13	18,3	18,3	25,70	8,5	28	10	3258950309422
E030943	14	19,5	19,5	25,70	10	30	10	3258950309439
E030944	15	20,4	20,4	25,70	10	33	10	3258950309446
E030945	16	22,1	22,1	25,70	10	46	10	3258950309453
E030946	17	23,3	23,3	25,70	10	52	10	3258950309460
E030947	18	24,2	24,2	25,70	11	56	10	3258950309477
E030948	19	25,5	25,5	25,70	12	64	10	3258950309484
E030949	20	26,8	26,8	29	14	68	10	3258950309491
E030950	21	27,7	27,7	29	14	72	10	3258950309507
E030951	22	29,8	29,8	29	14	86	10	3258950309514
E030952	23	30,8	30,8	29	14	90	10	3258950309521
E030953	24	31,8	31,8	29	14	96	10	3258950309538

3/8" 6-POINT SOCKETS - INCH

- ASME B 107-1 - ISO 1174-1
- Chrome vanadium steel
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



	A "	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E031301	1/4"	17,1	10	25,70	3,2	24	10	3258950313016
E031302	5/16"	17,1	11,7	25,70	4,5	25	10	3258950313023
E031303	11/32"	17,1	13	25,70	5	25	10	3258950313030
E031304	3/8"	17,1	14,2	25,70	5	26	10	3258950313047
E031305	7/16"	17,1	16,3	25,70	7	27	10	3258950313054
E031306	1/2"	18,3	18,3	25,70	7	36	10	3258950313061
E031307	9/16"	19,5	19,5	25,70	9	34	10	3258950313078
E031308	5/8"	22,1	22,1	25,70	10	45	10	3258950313085
E031309	11/16"	24,2	24,2	25,70	10	56	10	3258950313092
E031310	3/4"	25,7	25,7	25,70	12	67	10	3258950313108
E031311	13/16"	27,7	27,7	29	13	74	10	3258950313115
E031312	7/8"	29,8	29,8	29	13	91	10	3258950313122
E031334	15/16"	31,8	31,8	29	13	102	1	3258950313344
E031313	1"	33,2	33,2	35	14	123	10	3258950313139

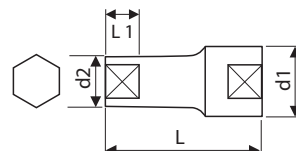




3/8" SOCKETS

3/8" 6-POINT METRIC LONG REACH SOCKETS

- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- Maxi Drive Profile: tightening torque applied to the sides of the nut, not the edges.
- Smooth chrome finish.
- For manual use.



	Amm	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E031502	7	16,5	12	45,5	12	46	10	3258950315027
E031503	8	16,5	12	45,50	12	46	10	3258950315034
E031504	9	16,5	13,1	45,50	14	47	10	3258950315041
E031505	10	16,5	14,7	45,50	15	50	10	3258950315058
E031506	11	16,5	16	45,50	17	53	10	3258950315065
E031507	12	17,1	17,1	45,50	18	53	10	3258950315072
E031508	13	18,5	18,5	45,50	18	54	10	3258950315089
E031509	14	19,5	19,5	50	18	60	10	3258950315096
E031510	15	20,4	20,4	53	20	75	10	3258950315102
E031511	16	22	22	53	20	85	10	3258950315119
E031512	17	23,3	23,3	56	20	102	10	3258950315126
E031513	18	24,2	24,2	56	20	109	10	3258950315133
E031514	19	25,5	25,5	56	20	110	10	3258950315140
E031105	20	26,8	26,8	63,50	22	117	10	3258950311050
E031501	21	27,7	27,7	63,50	22	123	10	3258950315010
E031515	22	29,8	29,8	63,50	22	150	10	3258950315157

3/8" LONG 6-POINT SOCKETS - INCH

- ASME B 107-1 - ISO 1174-1
- Chrome vanadium steel.
- OGV Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



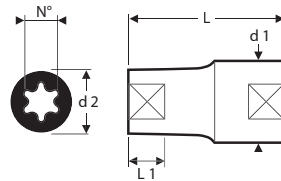
	A "	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E031525	1/4"	16,5	9,8	45,5	10	44	10	3258950315256
E031526	5/16"	16,5	11,7	45,5	12	46	10	3258950315263
E031516	3/8"	16,5	14,2	45,5	15	51	10	3258950315164
E031517	7/16"	16,5	16,5	45,5	17	53	10	3258950315171
E031518	1/2"	18,5	18,5	45,5	18	54	10	3258950315188
E031519	9/16"	19,5	19,5	50	18	60	10	3258950315195
E031520	5/8"	22	22	53	20	85	10	3258950315201
E031521	11/16"	24,2	24,2	56	20	109	10	3258950315218
E031522	3/4"	25,7	25,7	56	22	110	10	3258950315225
E031523	13/16"	27,7	27,7	63,5	22	123	10	3258950315232
E031524	7/8"	29,8	29,8	63,5	22	150	10	3258950315249
E031527	15/16"	31,8	31,8	63,5	22	152	10	3258950315270
E031528	1"	33,8	33,8	63,5	22	155	10	3258950315287



3/8" TORX® BIT SOCKETS

3/8" TORX® SOCKETS

- ISO 1174-1
- For male Torx® fasteners.
- Chrome vanadium steel.
- High chrome finish.



	N°	d1mm	d2mm	Lmm	Weightg	Box	EAN
E030928	E10	17,1	12,5	29	40	10	3258950309286
E030929	E12	17,1	14,2	29	40	10	3258950309293
E030930	E14	17,1	16	29	50	10	3258950309309
E030931	E16	18,3	17,5	29	100	10	3258950309316

3/8" SCREWDRIVER BIT SOCKETS

3/8" TORX® BIT SET+D38 - 4 PIECES

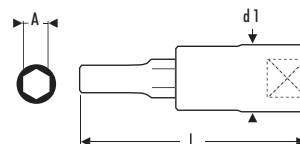
- 3/8" Torx® screwdriver bits: T40-T45-T50-T55.
- Supplied on metallic rack.



	Quantity	Weightg	Box	EAN
E031807	4	150	10	3258950318073

3/8" HEX SCREWDRIVER BIT SOCKETS

- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.



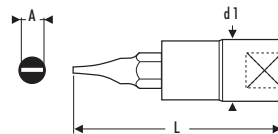
	Amm	d1mm	Lmm	Weightg	Box	EAN
E030901	3	17,9	50	30	10	3258950309019
E030902	4	17,9	50	31	10	3258950309026
E030903	5	17,9	50	32	10	3258950309033
E030904	6	17,9	50	33	10	3258950309040
E030905	7	17,9	50	34	10	3258950309057
E030906	8	17,9	50	43	10	3258950309064
E030934	9	17,9	50	47	10	3258950309347
E030907	10	17,9	50	50	10	3258950309071
E030908	12	22	50	58	10	3258950309088



3/8" SCREWDRIVER BIT SOCKETS

3/8" SLOTTED-HEAD SCREWDRIVER BIT SOCKETS

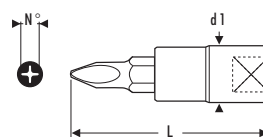
- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.



	Amm	d1mm	Lmm	Weightg		EAN
E030909	5,5	17,9	50	33	10	3258950309095
E030910	7	17,9	50	34	10	3258950309101
E030911	8	17,9	50	43	10	3258950309118

3/8" PHILLIPS® SCREWDRIVER BIT SOCKETS

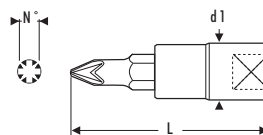
- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.



	N°	d1mm	Lmm	Weightg		EAN
E030925	PH1	17,9	50	31	10	3258950309255
E030926	PH2	17,9	50	33	10	3258950309262
E030927	PH3	17,9	50	43	10	3258950309279

3/8" POZIDRIV® SCREWDRIVER BIT SOCKETS

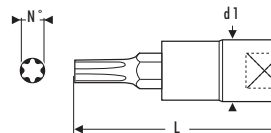
- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.



	N°	d1mm	Lmm	Weightg		EAN
E030922	PZ1	17,9	50	31	10	3258950309224
E030923	PZ2	17,9	50	33	10	3258950309231
E030924	PZ3	17,9	50	43	10	3258950309248

3/8" TORX® SCREWDRIVER BIT SOCKETS

- ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.



	N°	d1mm	Lmm	Weightg		EAN
E030912	T8	17,9	50	33,5	10	3258950309125
E030913	T10	17,9	50	33,5	10	3258950309132
E030914	T15	17,9	50	33,5	10	3258950309149
E030915	T20	17,9	50	33,5	10	3258950309156
E030916	T25	17,9	50	33,5	10	3258950309163
E030917	T27	17,9	50	33,5	10	3258950309170
E030918	T30	17,9	50	33,5	10	3258950309187
E030919	T40	17,9	50	45	10	3258950309194
E030932	T45	17,9	50	45	10	3258950309323
E030920	T50	17,9	50	48	10	3258950309200
E030921	T55	17,9	50	61	10	3258950309217



1/2" SOCKET SETS

1/2" SOCKET AND ACCESSORY SET - METRIC AND INCH - 55 PIECES

- 1/2" hex sockets: 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32-34mm.
- 1/2" 12-point sockets: 3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"-1 1/16"-1 1/8"-1 3/16"-1 1/4".
- 1/2" Torx® sockets: E10-E11-E12-E14-E16-E18-E20-E24.
- 1 1/2" pear head ratchet.
- 2 1/2" extensions 130-250mm.
- 1 1/2" sliding T-handle.
- 1 1/2" universal joint.
- 1 1/2" to 3/8" adapter.
- 1 3/8" to 1/2" adapter.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



E032909	1/2"	Quantity	Dimensions	Weightkg	1	EAN
		55	L.415xP.283xH.92mm	6,5		3258950329093



1/2" SOCKET AND ACCESSORY SET - METRIC - 42 PIECES

- 1/2" hex sockets: 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32mm.
- 1/2" deep hex sockets: 12-13-14-15-16-17-18-19-21-22-24mm.
- 2 1/2" extensions 130-250mm.
- 1 1/2" sliding T-handle.
- 1 1/2" universal joint.
- 1 1/2" to 3/8" adapter.
- 1 3/8" to 1/2" adapter.
- 1 1/2" pear head ratchet.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



E032908	1/2"	Quantity	Dimensions	Weightkg	1	EAN
		42	L.415xP.283xH.92mm	5,5		3258950329086



1/2" SOCKET AND ACCESSORY SET - METRIC - 22 PIECES

- 1/2" hex sockets: 8-10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32mm.
- 1 1/2" pear head ratchet.
- 1 1/2" sliding T-handle.
- 2 1/2" extensions 130-250mm.
- 1 1/2" universal joint.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



E032900	1/2"	Quantity	Dimensions	Weightkg	1	EAN
		22	L.275xP.186xH.92mm	4		3258950329000





1/2" SOCKET SETS

1/2" SOCKET SET - 16 PIECES

- 1/2" hex sockets: 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32mm.
- Supplied on metallic rack.



		Quantity	Weightkg		EAN
E032902	1/2"	16	1,7	1	3258950329024

1/2" SOCKET SET - METRIC - 10 PIECES

- 1/2" hex sockets: 9-10-11-12-13-14-15-17-18-19mm.
- Supplied on metallic rack.



		Quantity	Weightkg		EAN
E034837	1/4"	10	0,715	1	3258950348377

1/2" SCREWDRIVER SOCKET SET

1/2" TORX® SOCKET AND TORX® SCREWDRIVER BIT SOCKET SET - 16 PIECES

- 1/2" Torx® screwdriver bit sockets: T20-T25-T27-T30-T40-T45-T50-T55-T60.
- 1/2" Torx® sockets: E10-E12-E14-E16-E18-E20-E24.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



		Quantity	Dimensions	Weightkg		EAN
E032907	1/2"	16	L.275xP.186xH.92mm	1,65	1	3258950329079

1/2" TORX® SCREWDRIVER SOCKET SET - 32 PIECES

- Screwdriver socket 1/2" Torx®:
L.55mm: T20-T25-T27-T30-T40-T45-T50-T55-T60-T70.
L.100mm: T20-T25-T27-T30-T40-T45-T50-T55-T60-T70.
L.140mm: T40-T45-T50-T55-T60-T70.
L.200mm: T40-T45-T50-T55-T60-T70.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



		Quantity	Dimensions	Weightkg		EAN
E200514	1/2"	32	L.415 x P.314 x H.92mm	5,15	1	3258952005148



1/2" HEX SCREWDRIVER SOCKET SET - 30 PIECES

- 1/2" hex screwdriver socket:
 - L.55mm: 5-6-7-8-10-12-14-17-19mm.
 - L.100mm: 5-6-7-8-10-11-12-13mm.
 - L.140mm: 5-6-7-8-10-12-14mm.
 - L.200mm: 5-6-7-8-10-12mm.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



E200516	1/2"	Quantity	Dimensions	Weightkg	1	EAN
		30	L.415 x P.314 x H.92mm	5	1	3258952005162



32-PIECE SET OF 1/2" RIBE SCREWDRIVER SOCKETS

- 1/2" screwdriver ribe sockets:
 - L.55mm: M5, M6, M7, M8, M9, M10, M12, M13, M14.
 - L.100mm: M5, M6, M7, M8, M9, M10, M12, M13, M14.
 - L.140mm: M8, M9, M10, M10,3, M12, M13, M14.
 - L.200mm: M8, M9, M10, M10,3, M12, M13, M14.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



E200522	1/2"	Quantity	Dimensions	Weightkg	1	EAN
		32	L.415 x P.314 x H. 92mm	5	1	3258952005223



1/2" XZN® SCREWDRIVER SOCKET SET - 26 PIECES

- Sockets 1/2" XZN®:
 - L.55mm: M5, M6, M8, M9, M10, M12, M14, M16mm.
 - L.100mm: M5, M6, M8, M9, M10, M12, M14mm.
 - L.140mm: M5, M6, M8, M9, M10, M12, M14mm.
 - L.200mm: M8, M10, M12, M14mm.
- Supplied in socket set case also converts into a modular storage system for use in roller cabinets.



E200515	1/2"	Quantity	Dimensions	Weightkg	1	EAN
		26	L.415 x P.314 x H.92mm	4,4	1	3258952005155





1/2" SCREWDRIVER SOCKET SET

1/2" HEX DRIVER SET - 13 PIECES

- 1/2" Hex screwdriver sockets: 4-5-6-8-9-10-12mm.
- 1/2" Hex long screwdriver sockets: 4-5-6-8-10-12mm.
- Supplied in socket set case - also converts into a modular storage system for use in roller cabinets.



		Quantity	Dimensions	Weightkg		EAN
E032906	1/2"	13	L.275xP.186xH.92mm	1,8	1	3258950329062

1/2" HEX SCREWDRIVER BIT SOCKET SET - 8 PIECES

- 1/2" hex screwdriver bit sockets: 6-7-8-9-10-12-14-17mm.
- Supplied on metallic rack.



		Quantity	Weightg		EAN
E032904	1/2"	8	750	1	3258950329048

1/2" 6-POINT LONG-REACH DRIVER SOCKETS SET - 6 PIECES

- 6-point 1/2" long-reach screwdriver sockets: 5-6-7-8-10-12mm, L.90mm.
- Supplied on metallic rack.



		Quantity	Weightg		EAN
E032941	1/2"	6	900	1	3258950329413

SET OF 1/2" TORX DRIVER SOCKETS - 9 PIECES

- 1/2" 6-point Torx® screwdriver sockets: T20- T25- T27- T30- T40- T45- T50- T55- T60, L.55mm.
- Supplied on metallic rack.



		Quantity	Weightg		EAN
E032936	1/2"	9	696	1	3258950329369

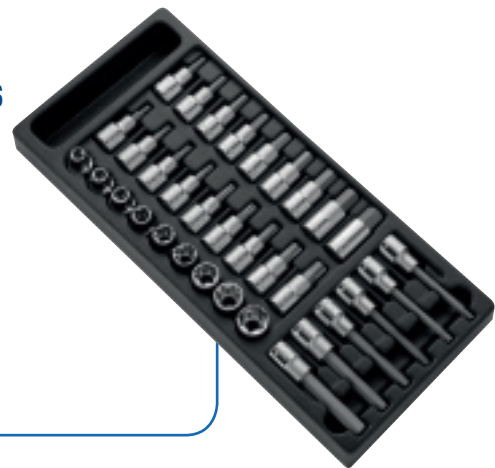


1/2" SCREWDRIVER AND TORX® BITS SOCKET MODULE - 33 PIECES

- 1/2" hex screwdriver bit sockets: 5-6-7-8-9-10-12-14-17mm.
- 1/2" hex screwdriver long reach bit sockets: 4-5-6-8-10-12mm.
- 1/2" Torx® screwdriver bit sockets: T20-T25-T27-T30-T40-T45-T50-T55-T60.
- 1/2" Torx® sockets: E10-E11-E12-E14-E16-E18-E20-E22-E24.
- Empty module: E032923.



		Quantity	Weightg		EAN
E032922	1/2"	33	2725	1	3258950329222



1/2" SOCKETS AND ACCESSORY MODULE - 21 PIECES

- 1/2" hex sockets: 8-10-11-12-13-14-15-16-17-18-19-21-22-23-24-27-30-32mm.
- 1 1/2" parking meter locking ratchet.
- 1 1/2" extension: 250mm.
- 1 1/2" universal joint.
- Empty tray: E032901.



		Quantity	Weightg		EAN
E194677	1/2"	21	3,5	1	3258951946770



1/2" DEEP SOCKETS MODULE - 10 PIECES

- 1/2" 6-point deep hex sockets: 10mm.
- 1/2" 12-point deep hex sockets: 12-13-14-17-19-21-22-23-24mm.
- Empty module: E010515.



		Quantity	Weightg		EAN
E032201	1/2"	10	1968	1	3258950322018



1/2" DRIVE ACCESSORY MODULE - 8 PIECES

- 3 1/2" extensions 75-130-250mm.
- 1 1/2" hinged head ratchet.
- 1 1/2" sliding T-handle.
- 1 1/2" to 5/16" bit adaptor.
- 1 1/2" - 3/8" adapter.
- 1 1/2" - 3/4" adapter.
- Empty module: E032925.

		Quantity	Weightg		EAN
E032924	1/2"	8	2150	1	3258950328010





1/2" RATCHET & SOCKET SETS

36-PIECE BOX OF 1/2" SOCKETS

- 1/2" hex sockets: 8-9-10-11-12-13-14-15-16-17-18-19-21-24-27-28-30-32-34mm.
- 6-point screwdriver sockets: 5-6-10-12-14mm.
- Metric open end wrenches: 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19mm.
- 1 1/2" parking meter locking ratchet.
- 2 1/2" sockets: 130-250mm.
- 1 1/2" sliding handle.
- 1 1/2" universal joint.



		Quantity	Weightkg		EAN
E032940	1/2"	36	6,1	1	3258950329406



28-PIECE BOX OF 1/2" SOCKETS

- 1/2" hex sockets: 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32-34mm.
- 1 1/2" parking meter locking ratchet.
- 1 1/2" sliding handle.
- 1 1/2" universal joint.
- 1 1/2" extension: 250mm.



		Quantity	Weightkg		EAN
E032939	1/2"	28	5,3	1	3258950329390



26-PIECE BOX OF 1/2" SOCKETS

- 1/2" hex sockets: 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-28-30-34mm.
- 1 1/2" round head ratchet.
- 2 1/2" extensions: 130-250mm.
- 1 1/2" sliding handle.
- 1 1/2" universal joint.
- 1 1/2" drive speed brace.
- 1 1/2" spark plug socket.



		Quantity	Weightkg		EAN
E032943	1/2"	26	6	1	3258950329437





25-PIECE BOX OF 1/2" SOCKETS

- 1/2" hex sockets: 8-9-10-11-12-13-14-16-17-18-19-21-24-27-30-32mm.
- Metric open end wrenches: 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19mm.
- 1 1/2" round head ratchet.
- 1 1/2" extension: 130mm.



E032937	1/2"	Quantity	Weightkg		EAN
		25	3,9	1	3258950329376



14-PIECE BOX OF 1/2" SOCKETS

- 1/2" hex sockets: 10-11-12-13-16-18-21-24-27-30-34mm.
- 1 1/2" round head ratchet.
- 1 1/2" extension: 250mm.
- 1 1/2" sliding handle.



E032938	1/2"	Quantity	Weightkg		EAN
		14	3,1	1	3258950329383



18-PIECE SET OF 1/2" SOCKETS ON RACK

- 1/2" hex sockets: 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23mm.
- 1 1/2" parking meter locking ratchet.
- 1 1/2" extension: 130mm.
- Supplied on rack.



E032942	1/2"	Quantity	Weightkg		EAN
		18	1,8	1	3258950329420

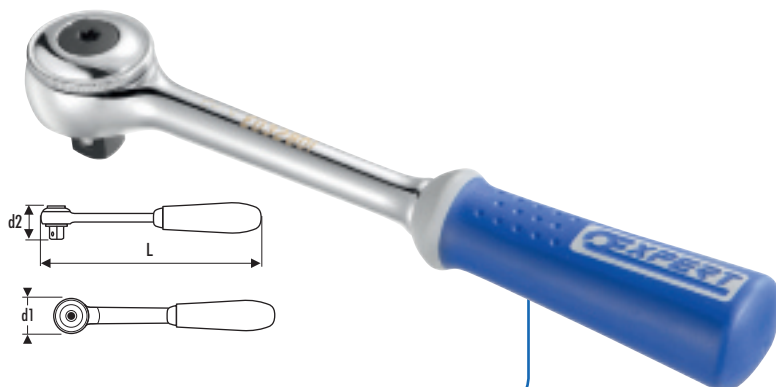




1/2" RATCHETS

1/2" ROUND HEAD RATCHET

- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Compact head.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E032801	42.4	42	250	490	1	3258950328010

1/2" PEAR HEAD RATCHET

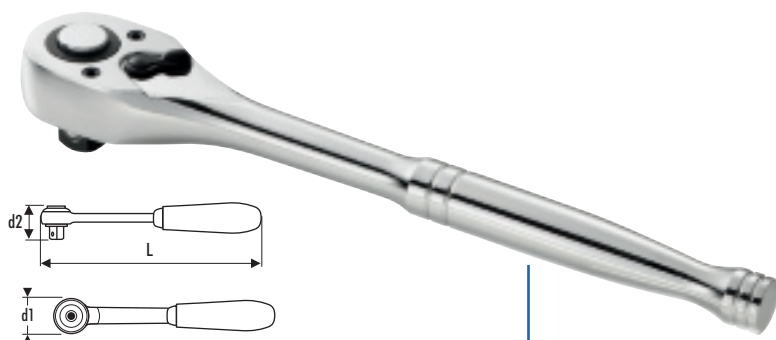
- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Socket safety lock.
- Lever reverse: rotation direction displayed.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E032808	38	36.8	250	528	1	3258950328009

1/2" METAL HANDLE PEAR HEAD RATCHET

- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Socket safety locking.
- Lever reversing: rotation direction visualisation.
- High chrome finish.

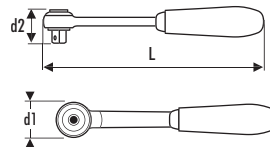


	d1mm	d2mm	Lmm	Weightg		EAN
E032709	39,2	39	250	588	1	3258950327099



1/2" HINGED RATCHET HANDLE

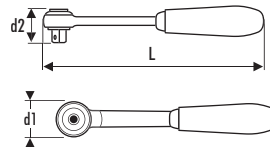
- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Angled handle for better access.
- Long handle for stronger untightening.
- Socket safety lock.
- Reversing lever: rotation direction indication.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E032803	40	40	437	930	1	3258950328034

1/2" HINGED HEAD RATCHET

- ISO 3315 - DIN 3122 - ISO 1174-1
- 72 tooth mechanism.
- 5° increment.
- Compact head.
- High chrome finish.
- Ergonomic bi-material handle.



	d1mm	d2mm	Lmm	Weightg		EAN
E032802	49,1	39,2	306	640	1	3258950328027

1/2" BREAKER BARS

- ISO 3315 - DIN 3122 - ISO 1174-1
- Smooth-action joint.
- Hinged handle for easier access.
- High chrome finish.
- Ergonomic bi-material grip.

	Lmm	Weightg		EAN
E032701	300	560	1	3258950327013
E032804	450	860	1	3258950328041
E032805	600	1120	1	3258950328058





1/2" ACCESSORIES

1/2" SPEED BRACE

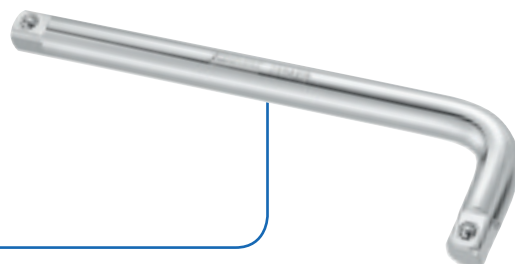
- ISO 3315 - DIN 3122 - ISO 1174-1
- Fast rotation.
- Rotating handle.
- High chrome finish.



	Lmm	Weightg		EAN
E032702	425	510	1	3258950327020

1/2" DRIVE ANGLE BAR

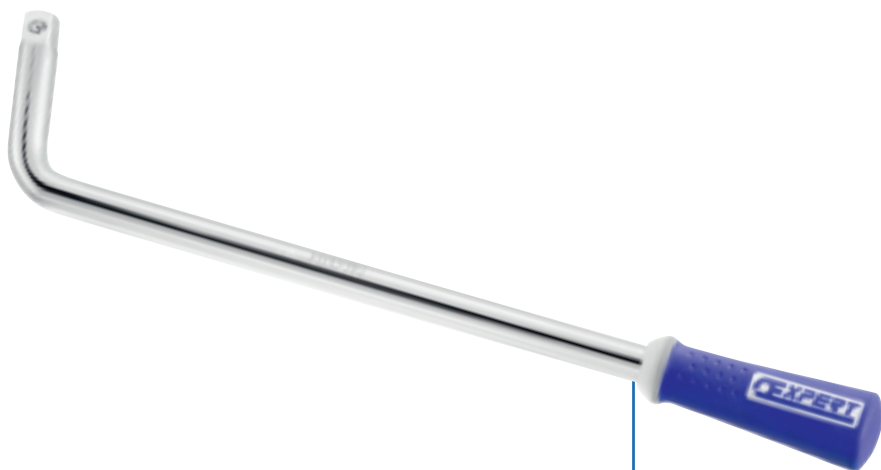
- ISO 1174 - DIN 3122
- Mat chrome finish.



	Lmm	Weightg		EAN
E032713	200	280	1	3258950327136

1/2" ANGLEGRIP WITH BAR

- ISO 1174 - DIN 3122
- Ergonomic bi-material handle.
- Mat chrome finish.

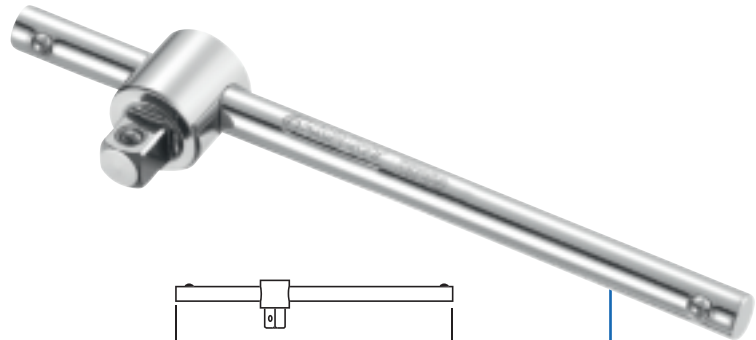


	Lmm	Weightg		EAN
E032714	400	691	1	3258950327143



1/2" SLIDING T-HANDLE

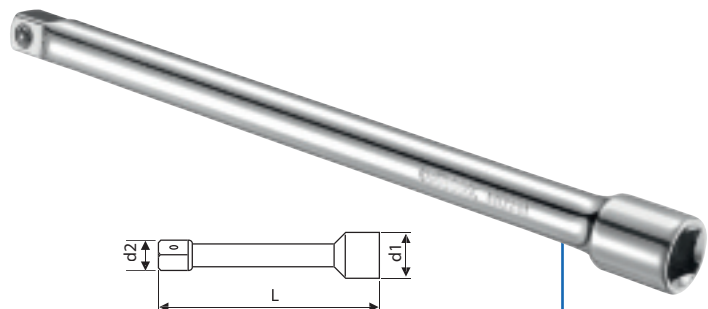
- ISO 3315 - DIN 3122 - ISO 1174-1
- Sliding head.
- Chrome vanadium steel.
- For manual use.
- High chrome finish.



	Lmm	Weightg		EAN
E117259	240	316	1	3258951172599

1/2" EXTENSIONS

- ISO 3315 - DIN 3122 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E113710	22.5	12.7	75	125	1	3258951137109
E117260	22.5	12.7	130	220	1	3258951172605
E117261	22.5	12.7	250	405	1	3258951172612

1/2" FLEXIBLE EXTENSION 200MM

- Ideal for tightening/loosing in tight spaces.
- Flexible body.
- For hand use only (not for power tools).
- High chrome finish.



	Weightg		EAN
E032711	212	1	3258950327112

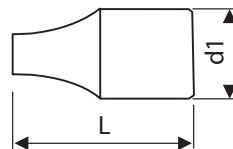




1/2" ACCESSORIES

1/2" TO 5/16" COUPLER

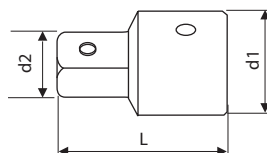
- ISO 1173 - DIN 3126 - ISO 1174-1
- For manual use.
- High chrome finish.
- Chrome vanadium steel.



	d1mm	d2mm	Lmm	Weightg		EAN
E113711	25	12.7	40	90	5	3258951137116

1/2" TO 3/8" COUPLER

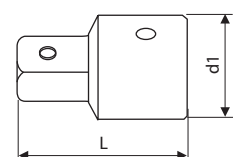
- ISO 3316 - DIN 3123 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E117262	22	12.7	34,5	46	1	3258951172629

1/2" TO 3/4" COUPLER

- ISO 3316 - DIN 3123 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E117263	25.2	12.7	42	75	5	3258951172636

1 1/2" - 3/4" MAGNETIC COUPLER.

- Use only with hand tools.
- Magnetised.

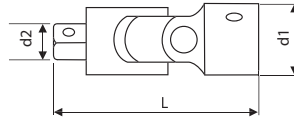


		Lmm	Weightg		EAN
E041507	1/2" - 3/4"	25,5	74	1	3258950415079



1/2" UNIVERSAL JOINT

- ISO 3316 - DIN 3123 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.
- For manual use.



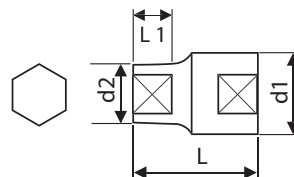
	d1mm	d2mm	Lmm	Weightg		EAN
E117264	24,9	12,7	40,5	140	1	3258951172643



1/2" SOCKETS

1/2" METRIC HEX SOCKETS

- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- Maxi Drive Profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



	Amm	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E117086	8	21.8	12.4	38	9	45	1	3258951170861
E117087	9	21.8	14	38	10	45	1	3258951170878
E117088	10	21.8	15.5	38	10	48	1	3258951170885
E117089	11	21.8	16.7	38	11	50	1	3258951170892
E117090	12	21.8	18	38	10	50	1	3258951170908
E117091	13	21.8	19.2	38	10	52	1	3258951170915
E117092	14	21.8	20.5	38	10	54	1	3258951170922
E117093	15	21.8	21	38	14	54	1	3258951170939
E117094	16	23.3	22.5	38	14	66	1	3258951170946
E117095	17	24	24	38	14	76	1	3258951170953
E117096	18	24.8	24.8	38	14	84	1	3258951170960
E117097	19	26.3	26.3	38	16.7	84	1	3258951170977
E117098	20	26.8	26.8	38	17.3	84	1	3258951170984
E117099	21	27.7	27.7	38	18	92	1	3258951170991
E117250	22	29.8	29.8	40	18	118	1	3258951172506
E117251	23	30.8	30.8	40	18	125	1	3258951172513
E117252	24	31.8	31.8	40	18	134	1	3258951172520
E031937	25	32.8	32.8	41	20	142	1	3258950319377
E117253	26	33.8	33.8	41	20	160	1	3258951172537
E117254	27	35.8	35.8	41	20	192	1	3258951172544
E117255	28	37.6	37.6	41	20	220	1	3258951172551
E117256	29	37.8	37.8	41	20	210	1	3258951172568
E117257	30	39.8	39.8	41	20	234	1	3258951172575
E117258	32	41.8	41.8	41	20	266	1	3258951172582
E031936	34	43.8	43.8	45,50	25	300	1	3258950319360
E031938	36	49.8	49.8	57,20	27	462	1	3258950319384





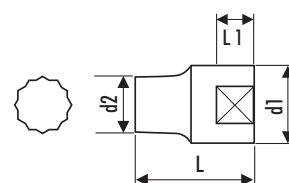
RATCHETS - SOCKETS

1/2" SOCKETS

1/2" 12-POINT SOCKETS - METRIC

- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- OGV® profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.

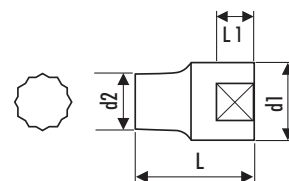
	Amm	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E117051	8	21.8	12.4	38	9	45	1	3258951170519
E117052	9	21.8	14	38	10	45	1	3258951170526
E117053	10	21.8	15.5	38	10	18	1	3258951170533
E117054	11	21.8	16.7	38	10	50	1	3258951170540
E117055	12	21.8	18	38	10	50	1	3258951170557
E117056	13	21.8	19.2	38	10	52	1	3258951170564
E117057	14	21.8	20.5	38	10	54	1	3258951170571
E117058	15	21.8	21	38	14	54	1	3258951170588
E117059	16	23.3	22.5	38	14	66	1	3258951170595
E117060	17	24	24	38	14	76	1	3258951170601
E117061	18	24.8	24.8	38	14	84	1	3258951170618
E117062	19	26.3	26.3	38	16.7	84	1	3258951170625
E117063	20	26.8	26.8	38	17.3	84	1	3258951170632
E117064	21	27.7	27.7	38	18	92	1	3258951170649
E117065	22	29.8	29.8	40	18	118	1	3258951170656
E117066	23	30.8	30.8	40	18	125	1	3258951170663
E117067	24	31.8	31.8	40	18	134	1	3258951170670
E117068	26	33.8	33.8	41	20	160	1	3258951170687
E117069	27	35.8	35.8	41	20	192	1	3258951170694
E117070	28	37.6	37.6	41	20	210	1	3258951170700
E117071	29	37.8	37.8	41	20	210	1	3258951170717
E117072	30	39.8	39.8	41	20	234	1	3258951170724
E117073	32	41.8	41.8	41	20	266	1	3258951170731
E032001	36	49.8	49.8	57.20	27	462	1	3258950320014



1/2" 12-POINT SOCKETS - INCH

- ASME B 107-1 - ISO 1174-1
- Chrome vanadium steel.
- OGV® profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.

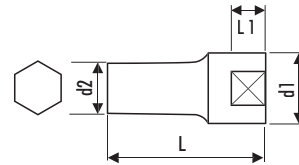
	A "	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E113701	3/8"	21.8	14.7	38	9	45	1	3258951137017
E113702	7/16"	21.8	17	38	9	45	1	3258951137024
E113703	1/2"	21.8	19	38	10	48	1	3258951137031
E117074	9/16"	21.8	20.8	38	12.5	55	1	3258951170748
E117075	19/32"	21.8	20.8	38	14.3	55	1	3258951170755
E117076	5/8"	23.3	22.5	38	14.3	68	1	3258951170762
E113704	21/32"	23.3	23.3	38	14.3	68	1	3258951137048
E117077	11/16"	24.2	24.2	38	14.3	74	1	3258951170779
E117078	3/4"	26.3	26.3	38	18	87	1	3258951170786
E113705	25/32"	26.8	26.8	38	18	86	1	3258951137055
E117079	13/16"	27.7	27.7	38	18	92	1	3258951170793
E117080	7/8"	29.8	29.8	38	18	117	1	3258951170809
E117081	15/16"	31.8	31.8	38	18	136	1	3258951170816
E113706	31/32"	32.8	32.8	38	18	140	1	3258951137062
E117082	1"	33.8	33.8	41	18	148	1	3258951170823
E117083	1"1/16	35.8	35.8	41	20	190	1	3258951170830
E117084	1"1/8	37	37	41	20	228	1	3258951170847
E113707	1"3/16	39.8	39.8	41	20	230	1	3258951137079
E117085	1"1/4	41.8	41.8	41	20	268	1	3258951170854





1/2" 6-POINT LONG SOCKETS - METRIC

- Chrome vanadium steel.
- OGV® profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.

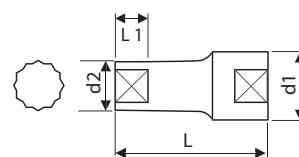


	Amm	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E032103	10	22	15.5	79	17	98	1	3258950321035
E117265	12	22	18	79	19	105	1	3258951172650
E117266	13	22	19.2	79	21	115	1	3258951172667
E117267	14	22	20.5	79	25	120	1	3258951172674
E117268	15	22	21	79	28	125	1	3258951172681
E117269	16	23.3	22.5	79	31	128	1	3258951172698
E117270	17	24	24	79	34	140	1	3258951172704
E117271	18	25.3	25.3	79	34	160	1	3258951172711
E117272	19	26.5	26.5	79	36	160	1	3258951172728
E117273	21	27.8	27.8	79	36	200	1	3258951172735
E117274	22	29.8	29.8	79	36	215	1	3258951172742
E117275	24	31.8	31.8	79	36	255	1	3258951172759
E117276	27	35.8	35.8	79	36	310	1	3258951172766
E117277	30	39.8	39.8	79	36	355	1	3258951172773



1/2" 12-POINT LONG SOCKETS - METRIC

- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691
- Chrome vanadium steel.
- OGV® profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.



	Amm	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E032203	10	22	15.5	79	17	98	1	3258950322032
E117278	12	22	18	79	19	105	1	3258951172780
E117279	13	22	19.2	79	21	115	1	3258951172797
E117280	14	22	20.5	79	25	120	1	3258951172803
E117281	15	22	21	79	28	125	1	3258951172810
E117282	16	23.3	22.5	79	31	128	1	3258951172827
E117283	17	24	24	79	34	140	1	3258951172834
E117284	18	25.3	25.3	79	34	160	1	3258951172841
E117285	19	26.5	26.5	79	36	160	1	3258951172858
E117286	21	27.8	27.8	79	36	200	1	3258951172865
E117287	22	29.8	29.8	79	36	215	1	3258951172872
E117288	23	30.8	30.8	79	36	232	1	3258951172889
E117289	24	31.8	31.8	79	36	255	1	3258951172896
E117290	27	35.8	35.8	79	36	310	1	3258951172902
E117291	30	39.8	39.8	79	36	355	1	3258951172919
E117292	32	41.3	41.3	79	36	408	1	3258951172926



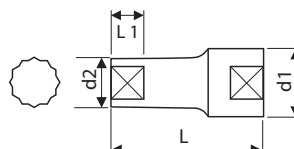


RATCHETS - SOCKETS

1/2" SOCKETS

1/2" 12-POINT LONG SOCKETS - INCH

- ASME B 107-1 - ISO 1174-1
- Chrome vanadium steel.
- OGV® profile: tightening torque applied to the sides rather than to the angles of the nut.
- High chrome finish.
- For manual use.

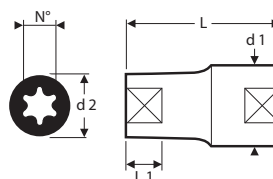


	A"	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E113713	1/2"	22	19	79	20	116	1	3258951137130
E113714	9/16"	22	20.8	79	22	118	1	3258951137147
E113715	5/8"	23.3	22.5	79	24	126	1	3258951137154
E113716	11/16"	24	24	79	26	146	1	3258951137161
E113717	3/4"	26	26	79	29	180	1	3258951137178
E113718	13/16"	27	27	79	31	240	1	3258951137185
E113719	1/8"	29	29	79	31	250	1	3258951137192
E113720	15/16"	31	31	79	33	265	1	3258951137208
E113721	1"	33	33	79	33	290	1	3258951137215
E113722	1 1/16	35	35	79	33	315	1	3258951137222
E113723	1 1/8	37	37	79	33	350	1	3258951137239
E113724	1 1/4	41	41	79	33	360	1	3258951137246

1/2" TORX® BIT SOCKETS

1/2" TORX® SOCKETS

- ISO 1174-1
- For male Torx® fasteners.
- Chrome vanadium steel.
- High chrome finish.



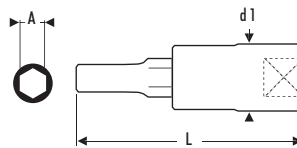
	N°	d1mm	d2mm	Lmm	L1mm	Weightg		EAN
E031984	E8	21.8	11	38	12.7	49	1	3258950319841
E031927	E10	21.8	13.3	38	10	41	1	3258950319278
E031935	E11	21.8	14	38	11	41	1	3258950319353
E031928	E12	21.8	15	38	12	47	1	3258950319285
E031929	E14	21.8	17	38	12	47	1	3258950319292
E031930	E16	21.8	18.5	38	12	57	1	3258950319308
E031931	E18	21.8	20	38	12	57	1	3258950319315
E031932	E20	23.3	23.3	38	13	63	1	3258950319322
E031933	E22	24.8	24.8	38	15	80	1	3258950319339
E031934	E24	26.8	26.8	38	16	97	1	3258950319346



DOUILLES TOURNEVIS 1/2"

1/2" HEX SCREWDRIVER BIT SOCKETS

- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.

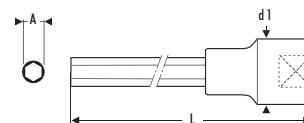


	Amm	d1mm	Lmm	Weightg		EAN
E031901	4	22	55	59	1	3258950319018
E031902	5	22	55	60	1	3258950319025
E031903	6	22	55	62	1	3258950319032
E031904	7	22	55	64	1	3258950319049
E031905	8	22	55	65	1	3258950319056
E031906	9	22	55	72	1	3258950319063
E031907	10	22	55	80	1	3258950319070
E031908	12	22	55	102	1	3258950319087
E031909	14	22	55	127	1	3258950319094
E031910	17	22	55	152	1	3258950319100
E031911	19	22	55	201	1	3258950319117

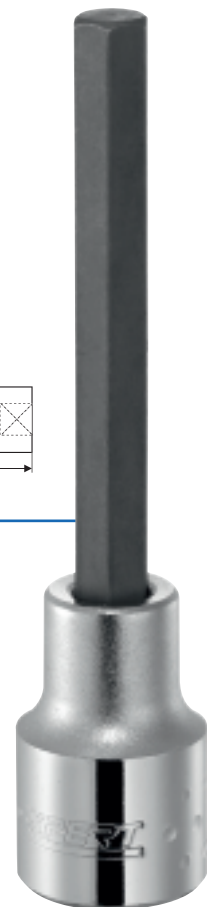


1/2" SCREWDRIVER LONG REACH BIT FOR HEX COUNTERSUNK HEAD SCREWS

- ISO 2725-1 - DIN3124 - ISO 1174-1
- Chrome vanadium steel.
- Smooth chrome finish.

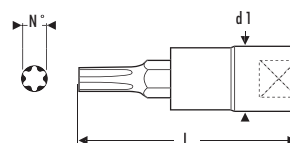


	Amm	d1mm	Lmm	Weightg		EAN
E031912	4	22	100	69	1	3258950319124
E031913	5	22	100	71	1	3258950319131
E031914	6	22	100	77	1	3258950319148
E031982	7	22	100	75	1	3258950319827
E031915	8	22	100	79	1	3258950319155
E031916	10	22	100	132	1	3258950319162
E031917	12	22	100	144	1	3258950319179
E031983	14	22	100	153	1	3258950319834



1/2" TORX® SCREWDRIVER BIT SOCKETS

- ISO 1174-1
- Chrome vanadium steel.
- High chrome finish.



	N°	d1mm	Lmm	Weightg		EAN
E031918	T20	22	55	58	1	3258950319186
E031919	T25	22	55	58	1	3258950319193
E031920	T27	22	55	59	1	3258950319209
E031921	T30	22	55	59	1	3258950319216
E031922	T40	22	55	62	1	3258950319223
E031923	T45	22	55	63	1	3258950319230
E031924	T50	22	55	74	1	3258950319247
E031925	T55	22	55	96	1	3258950319254
E031926	T60	22	55	117	1	3258950319261

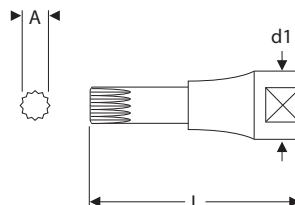




1/2" SCREWDRIVER BIT SOCKETS

1/2" DRIVE LONG-REACH TORX® BIT SOCKETS

- ISO 1174 - ISO3120.
- Chrome vanadium steel.
- High chrome Finish.

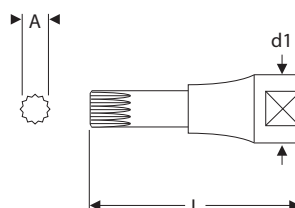


	Amm	d1mm	Lmm	Weightg		EAN
E031978	T40	22	120	93	1	3258950319780
E031980	T45	22	120	94	1	3258950319797
E031981	T50	22	120	102	1	3258950319803
E031979	T55	22	120	127	1	3258950319810



1/2" SCREWDRIVER SOCKETS FOR XZN® SCREWS

- ISO 1174 - ISO3120.
- Chrome vanadium steel.
- High chrome Finish.

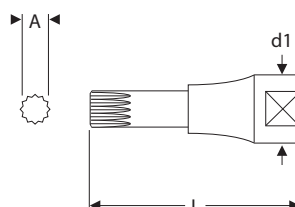


	Amm	d1mm	Lmm	Weightg		EAN
E031967	M5	22	55	52	1	3258950319674
E031968	M6	22	55	56	1	3258950319681
E031969	M8	22	55	59	1	3258950319698
E031970	M10	22	55	70	1	3258950319704
E031971	M12	22	55	77	1	3258950319711
E031972	M14	22	55	91	1	3258950319728
E031973	M16	22	55	98	1	3258950319735



1/2" DRIVE LONG-REACH XZN® BIT SOCKETS

- ISO 1174 - ISO3120.
- Chrome vanadium steel.
- High chrome Finish.



	Amm	d1mm	Lmm	Weightg		EAN
E031974	M8	24	120	126	1	3258950319742
E031975	M10	24	120	128	1	3258950319759
E031976	M12	24	120	159	1	3258950319766
E031977	M14	24	120	191	1	3258950319773





3/4" SOCKET SETS

3/4" SOCKET SET - 14 PIECES

- 3/4" hex sockets: 22-24-27-30-32-34-36-41-46-50mm.
- 1 3/4" sliding T-handle.
- 1 3/4" ratchet.
- 2 3/4" extensions 200-400mm.
- Supplied in a metal box.



E194682	3/4"	Quantity	Dimensions	Weightkg	1	EAN
		14	L.539xP.133xH.80mm	14		3258951946824

3/4" 6-POINT SOCKETS - METRIC - 18 PIECES

- 3/4" hex sockets: 19-21-22-24-27-30-32-34-36-41-46-50-55mm.
- 2 3/4" extensions 200-400mm.
- 1 3/4" sliding T-handle.
- 1 3/4" ratchet.
- 1 3/4" universal joint.
- Supplied in a metal box.

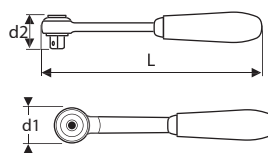
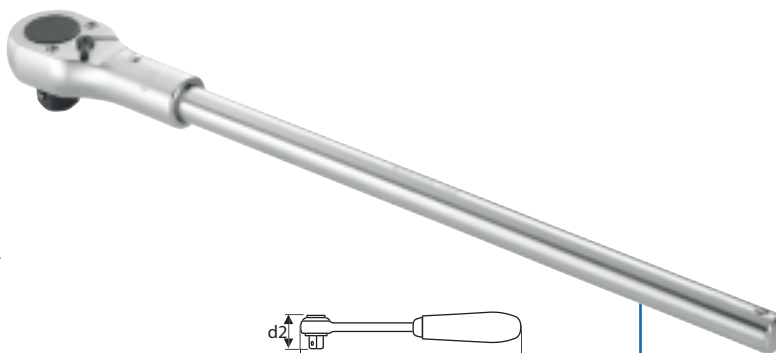


E194683	3/4"	Quantity	Dimensions	Weightkg	1	EAN
		18	L.539xP.133xH.80mm	15,5		3258951946831

3/4" RATCHETS

3/4" RATCHET WITH HANDLE

- ISO 3315 - DIN 3122 - ISO 1174-1
- Safety lock for all sockets and accessories.
- 24 tooth mechanism.
- 15° increment.
- Chrome vanadium steel.
- Matt chrome finish.
- Delivered with locking handle on the ratchet head.



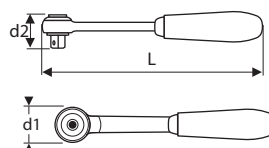
E113819	d1mm	d2mm	Lmm	Weightkg	1	EAN
	63.4	59	568	2,37		3258951138199



3/4" RATCHETS

3/4" RATCHET

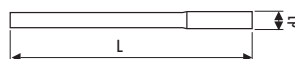
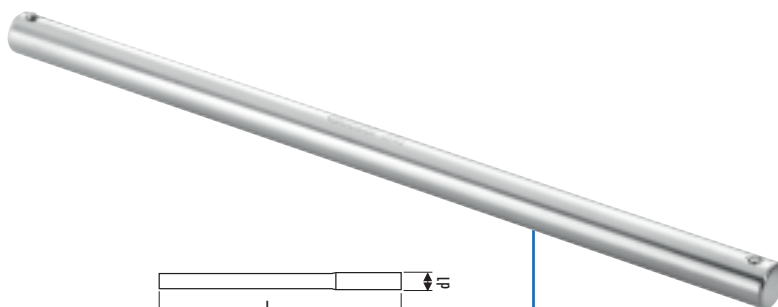
- ISO 3315 - DIN 3122 - ISO 1174-1
- With a safety lock with sockets and accessories.
- 24 tooth mechanism.
- 15° increment.
- Matt chrome finish.
- Chrome vanadium steel.
- Supplied without handle.



	d1mm	d2mm	Lmm	Weightkg		EAN
E113817	63,4	59	155	1,24	1	3258951138175

HANDLE FOR 3/4" RATCHET

- ISO 3315 - DIN 3122 - ISO 1174-1
- Matt chrome finish.
- For manual use.
- Chrome vanadium steel.

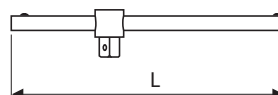
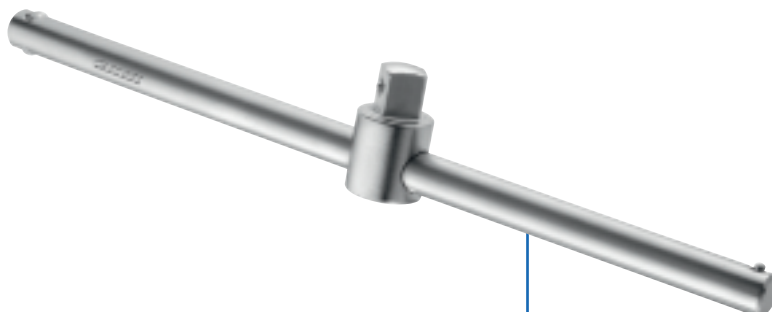


	d1mm	Lmm	Weightkg		EAN
E113816	20	455	1,13	1	3258951138168

3/4" ACCESSORIES

3/4" SLIDING T-HANDLE

- ISO 3315 - DIN 3122 - ISO 1174-1
- Hight torque resistance.
- Safety lock.
- Chrome vanadium steel.
- Matt chrome finish.
- For manual use.



	Lmm	Weightkg		EAN
E113815	455	1,30	1	3258951138151



3/4" BREAKER BAR

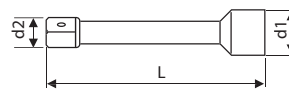
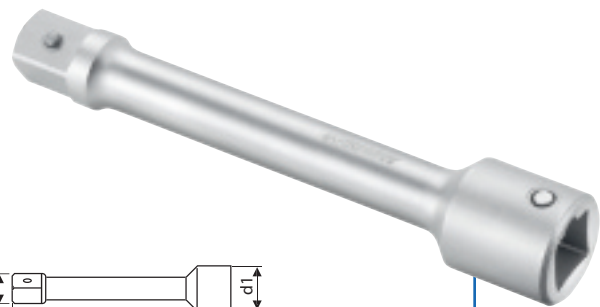
- ISO 3315 - DIN 3122 - ISO 1174-1
- High torque resistance.
- Chrome vanadium steel.
- Matt chrome finish.
- For manual use.



	Lmm	Weightkg		EAN
E033804	1250	3,70	1	3258950338040

3/4" EXTENSIONS

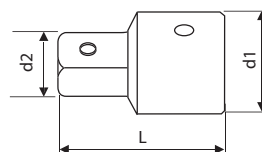
- ISO 3316 - DIN 3123 - ISO 1174-1
- Matt chrome finish.
- Chrome vanadium steel.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E113820	35.5	25	100	410	1	3258951138205
E113823	35.5	25	400	1130	1	3258951138236
E113824	35.5	25	200	620	1	3258951138243

3/4" TO 1/2" COUPLER

- ISO 3316 - DIN 3123 - ISO 1174-1
- Safety lock.
- Chrome vanadium steel.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E113821	34	12.58	48	166	1	3258951138212

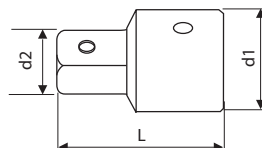




3/4" ACCESSORIES

3/4" TO 1" COUPLER

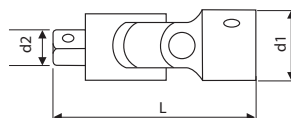
- ISO 3316 - DIN 3123 - ISO 1174-1
- Fitted with safety lock.
- Chrome vanadium steel.
- Matt chrome finish.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E033802	38	33.5	62	340	1	3258950338026

3/4" UNIVERSAL JOINT

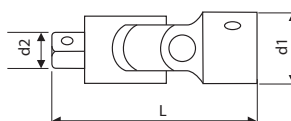
- ISO 3316 - DIN 3123 - ISO 1174-1
- Matt chrome finish.
- Safety lock.
- Chrome vanadium steel.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E113822	40	25	107	550	1	3258951138229

3/4" UNIVERSAL JOINT FOR BAR

- ISO 3316 - DIN 3123 - ISO 1174-1
- Chrome vanadium steel.
- Matt chrome finish.
- Chrome Vanadium steel.
- Safety lock.
- For manual use.



	d1mm	d2mm	Lmm	Weightg		EAN
E033801	36	25	138	550	1	3258950338019

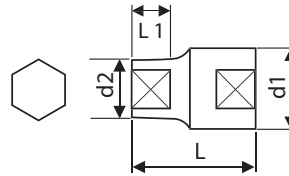


3/4" SOCKETS

3/4" METRIC HEX SOCKETS

→ ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 - ISO 691

- Safety lock.
- Chrome vanadium steel.
- Finish: mat Chromed.
- For manual use.



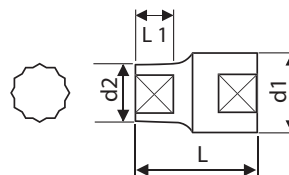
	Amm	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E113790	19	33	27.2	50	14	207	1	3258951137901
E113791	21	33	31.2	50	16.5	208	1	3258951137918
E113792	22	36	32.2	50	16.5	221	1	3258951137925
E113793	23	36	33.2	50	16.5	244	1	3258951137932
E113794	24	36	34.2	51	16.5	237	1	3258951137949
E113795	26	36	37	52	22	231	1	3258951137956
E113796	27	36	38	52	22	232	1	3258951137963
E113797	28	36	39.5	52	22	239	1	3258951137970
E113798	29	36	40.5	52	24	245	1	3258951137987
E113799	30	36	42	54	24	282	1	3258951137994
E113800	32	36	44	56	24	301	1	3258951138007
E113801	33	36	46	56	26	330	1	3258951138014
E113802	34	36	47	56	26	322	1	3258951138021
E113803	35	38	48	58	26	344	1	3258951138038
E113804	36	38	50	58	28	347	1	3258951138045
E113805	38	38	52	60	28	478	1	3258951138052
E113806	40	40	54	62	30	493	1	3258951138069
E113807	41	40	56	64	30	504	1	3258951138076
E113808	42	40	57	64	30	552	1	3258951138083
E113809	44	40	60	66	32	587	1	3258951138090
E113810	46	42	62	66	32	641	1	3258951138106
E113811	50	42	68	70	34	725	1	3258951138113
E113812	54	45	72	72	36	880	1	3258951138120
E113813	55	45	75	75	36	875	1	3258951138137



3/4" 12-POINT SOCKETS - INCH

→ ASME B 107-1 - ISO 1174-1

- Safety lock.
- Fast release button.
- Chrome vanadium steel.
- Matt chrome finish.
- For manual use.



	A"	d1mm	d2mm	Lmm	L1mm	Weightg	☒	EAN
E033503	7/8"	33	31.2	50	14	210	1	3258950335032
E033504	15/16"	36.2	34.2	51	16.5	220	1	3258950335049
E033505	1"	36	37	52	16.5	220	1	3258950335056
E033506	1 1/16"	36	38	52	22	220	1	3258950335063
E033507	1 1/8"	36	40	52	22	250	1	3258950335070
E033508	1 3/16"	36	42	54	24	260	1	3258950335087
E033509	1 1/4"	36	44	56	24	270	1	3258950335094
E033510	1 5/16"	36	46	56	26	300	1	3258950335100
E033511	1 3/8"	38	48	58	26	340	1	3258950335117
E033512	1 7/16"	38	50	58	28	350	1	3258950335124
E033513	1 1/2"	38	52	60	28	390	1	3258950335131
E033514	1 5/8"	40	56	64	30	480	1	3258950335148
E033515	1 7/8"	42	64	68	34	660	1	3258950335155
E033516	1 3/4"	40	60	66	32	560	1	3258950335162
E033517	1 13/16"	42	62	66	32	620	1	3258950335179
E033518	2"	42	68	70	34	680	1	3258950335186





RATCHETS - SOCKETS

1" SOCKET SET

1" SOCKET SET - 14 PIECES

- 1" hex sockets: 41-46-50-55-60-65-70-75-80mm.
- 2 1" extensions 200-400mm.
- 1 1" ratchet.
- 1 1" sliding T-handle.
- Supplied in a metal box.

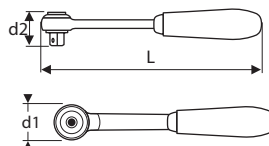
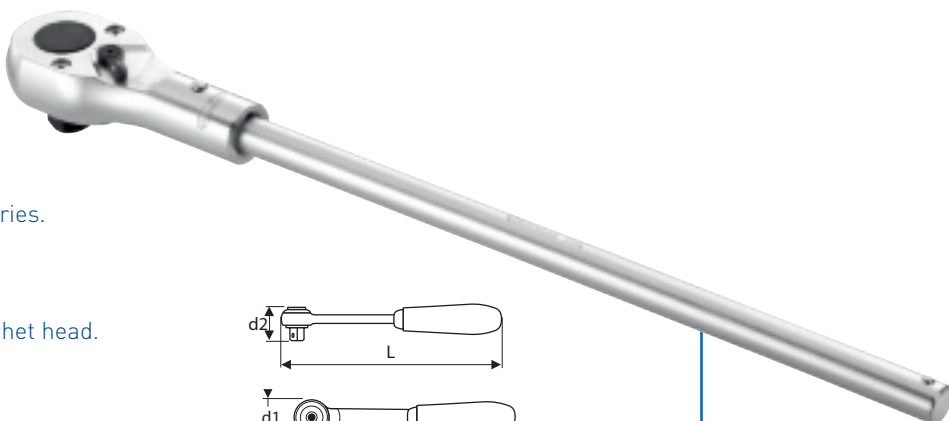


		Quantity	Dimensions	Weightkg		EAN
E034701	1"	14	L.658xP.211xH.108mm	29	1	3258950347011

1" RATCHET

1" RATCHET

- ISO 3315 - DIN 3122 - ISO 1174-1
- Safety lock with sockets and accessories.
- Snap lock button.
- Chrome vanadium steel.
- Matt chrome finish.
- Delivered with handle locking on ratchet head.

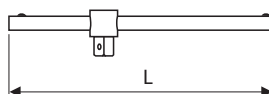


	d1mm	d2mm	Lmm	Weightkg		EAN
E034601	71.5	71	666	2	1	3258950346014

1" ACCESSORIES

1" SLIDING T-HANDLE

- ISO 3316 - DIN 3123 - ISO 1174-1
- Safety lock.
- Snap lock button.
- Chrome vanadium steel.
- Matt chrome finish.

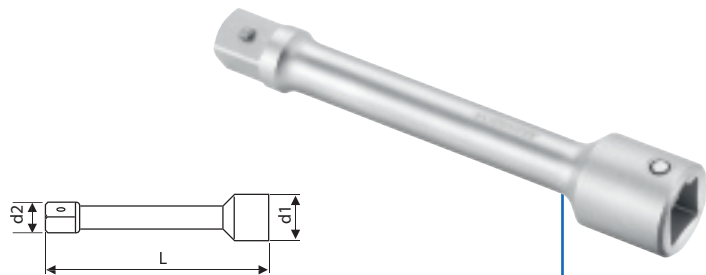


	Lmm	Weightkg		EAN
E034503	500	2,4	1	3258950345031



1" EXTENSIONS

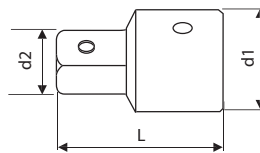
- ISO 3316 - DIN 3123 - ISO 1174-1
- Safety lock.
- Fast release button.
- Matt chrome finish.
- Chrome vanadium steel.



	d1mm	d2mm	Lmm	Weightkg		EAN
E034501	48	33.5	200	1,1	1	3258950345017
E034502	48	33.5	400	2	1	3258950345024

1" TO 3/4" COUPLER

- ISO 3316 - DIN 3123 - ISO 1174-1
- Chrome vanadium steel.
- Matt chrome finish.
- Safety lock.
- For manual use.

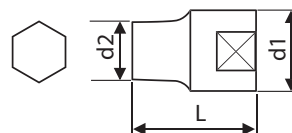


	d1mm	d2mm	Lmm	Weightkg		EAN
E033803	42	33.5	80	415	1	3258950338033

1" SOCKETS

1" METRIC HEX SOCKETS

- ISO 2725-1 - DIN 3124 - ISO 1174-1 - ISO 1711-1 ISO 691
- Safety lock.
- Fast lock button.
- Matt chrome finish.
- Chrome vanadium steel.
- For manual use.



	Amm	d1mm	d2mm	Lmm	Weightkg		EAN
E034101	41	47	45	70	685	1	3258950341019
E034102	46	65	50	75	852	1	3258950341026
E034103	50	70	50	75	968	1	3258950341033
E034104	55	76	55	80	1262	1	3258950341040
E034105	60	82	55	84	1432	1	3258950341057
E034106	65	88	55	87	1652	1	3258950341064
E034107	70	94	60	70	1921	1	3258950341071
E034108	75	100	60	97	2261	1	3258950341088
E034109	80	105	60	103	2800	1	3258950341095



SCREWDRIVERS, KEYS & BITS _____





Screwdrivers

P.104



Screwdrivers bi-material

P.112



Nut drivers

P.116



Key sets

P.117



Keys

P.118



T-handle keys

P.123



Impact screwdrivers

P.127



Bit sets

P.128



Screwdriver bits

P.130



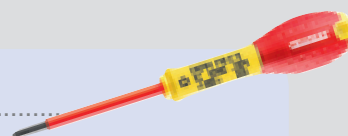
Bit holders and accessories

P.132



SCREWDRIVER 1000V
AND PRECISION SCREWDRIVER

See Electricity-Electronics p 218.





SCREWDRIVER SETS

SET OF 10 SCREWDRIVERS

- Screwdrivers for slotted head screws (flared): 2.5 x 75 - 3 x 75 - 4 x 100 - 5.5 x 125 - 6.5 x 150 (nut) mm.
- Screwdriver for slotted head (stubby): 4x30 mm.
- Phillips® screwdrivers: PH0 x 75 - PH1 x 100 - PH2 x 125.
- Phillips® screwdriver (stubby): PH2 x 30.



	Quantity	Weight g		EAN
E160905	10	740	5	3258951609057

SET OF 8 SCREWDRIVERS

- Screwdrivers for slotted head screws (parallel): 3 x 50 - 4 x 100 mm.
- Screwdrivers for slotted head screws (flared): 5.5 x 125 - 6.5 x 150 - 8x175 (nut) mm.
- Phillips® screwdrivers: PH0 x 75 - PH1 x 100 - PH2 x 125 (nut).



	Quantity	Weight g		EAN
E160904	8	800	5	3258951609040

SET OF 8 SCREWDRIVERS

- Screwdrivers for slotted head screws (parallel): 3 x 50 - 4 x 100 mm.
- Screwdrivers for slotted head screws (flared): 5.5 x 125 - 6.5 x 150 - 8 x 175 (nut) mm.
- Pozidriv® screwdriver: PZ0 x 75 - PZ1 x 100 - PZ2 x 125 (nut).



	Quantity	Weight g		EAN
E160906	8	800	5	3258951609064



SET OF 8 SCREWDRIVERS

- Screwdrivers for slotted head screws (parallel): 3 x 50 - 4 x 100 mm.
- Screwdrivers for slotted head screws (flared): 5.5 x 125 - 6.5 x 150 mm.
- Pozidriv® screwdrivers: PZ1 x 100 - PZ2 x 125.
- Phillips® screwdrivers: PH1 X 100 - PH2 x 125.



	Quantity	Weight g		EAN
E160907	8	710	5	3258951609071



SET OF 6 SCREWDRIVERS

- Screwdrivers for slotted head screws (flared): 2.5 x 75 - 3 x 75 - 4 x 100 - 5.5 x 125 mm.
- Phillips® screwdrivers: PH1 x 100 - PH2 x 125.

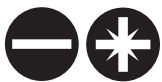


	Quantity	Weight g		EAN
E160902	6	430	5	3258951609026



SET OF 6 SCREWDRIVERS

- Screwdrivers for slotted head screws (parallel): 3.5 x 75 - 5.5 x 125 mm.
- Screwdrivers for slotted head screws (flared): 6.5 x 150 - 8x175.
- Pozidriv® screwdrivers: PZ1 x 100 - PZ2 x 125.



	Quantity	Weight g		EAN
E160903	6	720	5	3258951609033





SCREWDRIVERS, KEYS & BITS

SCREWDRIVER SETS

SET OF 5 SCREWDRIVERS

- Screwdrivers for slotted head screws (parallel): 3.5 x 75 - 4 x 100 - 5.5 x 125 mm.
- Phillips® screwdrivers: PH1 x 100 - PH2 x 125.



	Quantity	Weight g		EAN
E160901	5	330	5	3258951609019



MODULE OF 8 SCREWDRIVERS

- Screwdrivers for slotted head screws (parallel): 3.5 x 75 - 4 x 100 mm.
- Screwdrivers for slotted head screws (flared): 5.5 x 125 - 6.5 x 150 - 8 x 175 (nut).
- Phillips® screwdrivers: PH0 x 75 - PH1 x 100 - PH2 x 125.
- Empty tray: E160916.



	Quantity	L mm	l mm	Weight g		EAN
E194940	8	354	173	914	1	3258951949405



All screwdriver sets are in promotional cardboard boxes, except for the E160908 set of 5 screwdrivers supplied in a blister.





SET OF 7 TORX® SCREWDRIVERS

→ ACUMENT TMD 702

→ Torx® screwdrivers: T10-T15-T20-T25-T27-T30-T40.



	Quantity	Weight g		EAN
E160908	7	640	5	3258951609088



SET OF 7 RESISTORX® SCREWDRIVERS

→ ACUMENT TMD 702

→ Resistorx® screwdrivers:
TT10-TT15-TT20-TT25-TT27-TT30-TT40.



	Quantity	Weight g		EAN
E160909	7	640	5	3258951609095



MODULE OF 6 TORX SCREWDRIVERS

→ ResisTorx® screwdrivers: TT10-TT15-TT20-TT25-TT30-TT40.

→ Empty tray: E160917.



	Quantity	L mm	L mm	Weight g		EAN
E194941	6	354	173	744	1	3258951949412



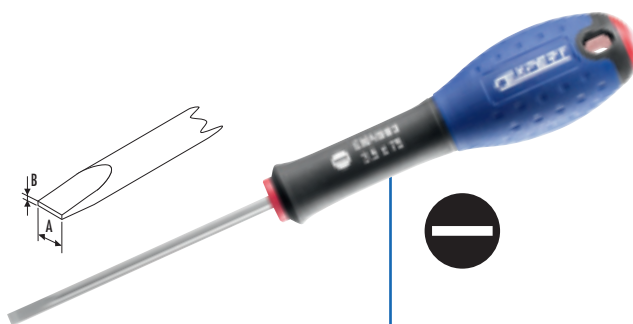


SCREWDRIVERS

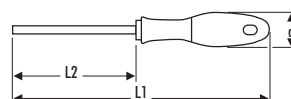
SCREWDRIVERS FOR SLOTTED HEAD SCREWS (PARALLEL)

→ ISO 2380-1 - ISO 2380-2

- Tri-material ergonomic comfort grip handle.
- Bit colour code: red.
- Round chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.



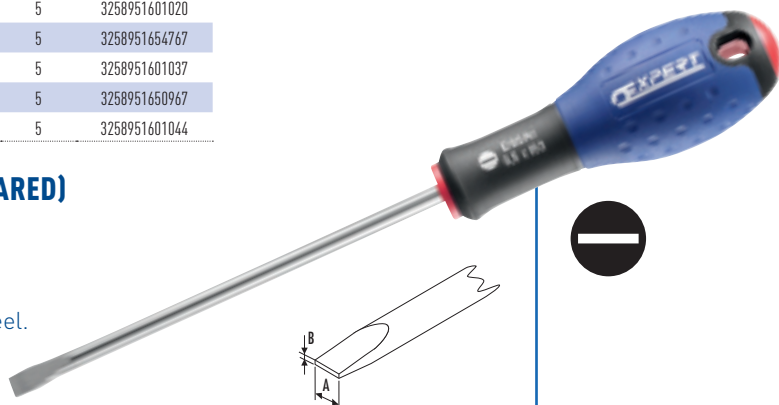
	A x L2 x B mm	L1 mm	d mm	Weight g		EAN
E160101	2,0 x 50 x 0,4	149	20	16	5	3258951601013
E165006	2,5 x 50 x 0,4	149	20	18	5	3258951650066
E164978	3,0 x 50 x 0,5	149	20	20	5	3258951649787
E164983	3,5 x 75 x 0,6	177	27	37	5	3258951649831
E165017	4,0 x 100 x 0,8	202	27	43	5	3258951650172
E165093	4,0 x 150 x 0,8	252	27	50	5	3258951650936
E160102	4,0 x 250 x 0,8	352	27	65	5	3258951601020
E165476	5,5 x 125 x 1,0	230	32	80	5	3258951654767
E160103	5,5 x 250 x 1,0	355	32	104	5	3258951601037
E165096	6,5 x 150 x 1,2	266	40	133	5	3258951650967
E160104	6,5 x 250 x 1,2	366	40	164	5	3258951601044



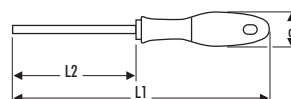
SCREWDRIVERS FOR SLOTTED HEAD SCREWS (FLARED)

→ ISO 2380-1 - ISO 2380-2

- Tri-material ergonomic comfort grip handle.
- Bit colour code: red.
- Round chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.



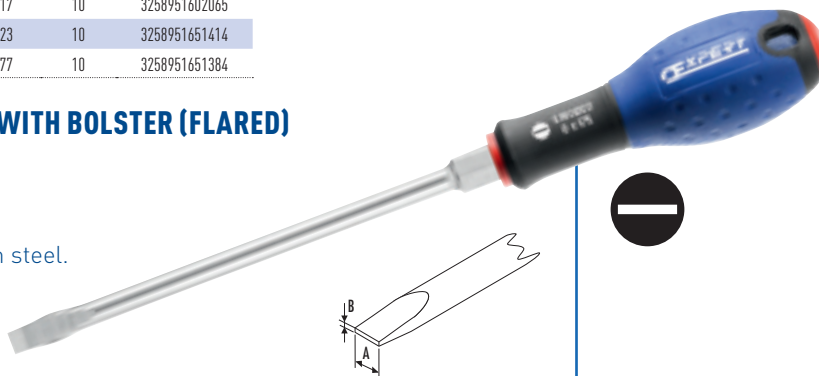
	A x L2 x B mm	L1 mm	d mm	Weight g		EAN
E160201	2,5 x 75 x 0,4	177	27	28	10	3258951602010
E165479	3 x 75 x 0,5	173	30	31	10	3258951654798
E165480	3 x 100 x 0,5	198	38	32	10	3258951654804
E165016	4 x 100 x 0,8	202	43	42	10	3258951650165
E165481	4 x 125 x 0,8	227	47	46	10	3258951654811
E165483	5,5 x 150 x 1,0	227	32	47	10	3258951654835
E165098	5,5 x 100 x 1,0	205	32	69	10	3258951650981
E165482	5,5 x 125 x 1,0	230	32	73	10	3258951654828
E160206	6,5 x 125 x 1,2	241	40	117	10	3258951602065
E165141	6,5 x 150 x 1,2	266	40	123	10	3258951651414
E165138	8,0 x 175 x 1,6	291	40	177	10	3258951651384



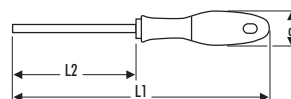
SCREWDRIVERS FOR SLOTTED HEAD SCREWS WITH BOLSTER (FLARED)

→ ISO 2380-1 - ISO 2380-2

- Tri-material ergonomic comfort grip handle.
- Bit colour code: red.
- Round chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.
- Hex bolster.



	A x L2 x B mm	L1 mm	d mm	Weight g		EAN
E160202	6,5 x 150 x 1,2	266	40	130	5	3258951602027
E160203	8,0 x 175 x 1,2	266	40	150	5	3258951602034
E160204	10 x 200 x 1,6	226	40	226	5	3258951602041
E160205	12 x 250 x 2,0	366	40	289	5	3258951602058

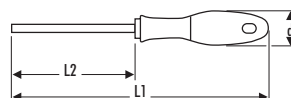
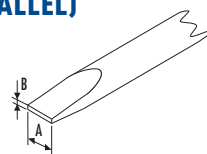




STUBBY SCREWDRIVERS FOR SLOTTED HEAD SCREWS (PARALLEL)

→ ISO 2380-1 - ISO 2380-2

- Tri-material ergonomic comfort grip handle.
- Bit colour code: red.
- Round chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.
- Compact screwdriver ideal for confined spaces.

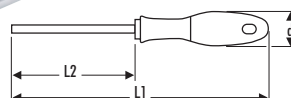
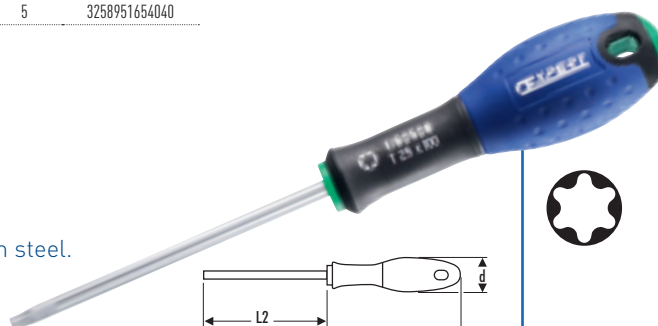


	A x L2 x B mm	L1 mm	d mm	Weight g		EAN
E165484	4,0 x 25 x 0,8	86	32	33	5	3258951654842
E165400	5,5 x 25 x 1,0	86	32	39	5	3258951654002
E165404	6,5 x 25 x 1,2	86	32	45	5	3258951654040

TORX® SCREWDRIVERS

→ ACUMENT TMD 702

- Tri-material ergonomic comfort grip handle.
- Bit colour code: green.
- Round chrome plated blade in satin Chrome Vanadium steel.

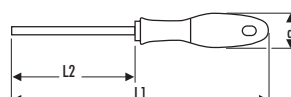


	N°	L1 mm	L2 mm	d mm	Weight g		EAN
E160501	T6	148	50	20	18	5	3258951605011
E160502	T7	148	50	20	18	5	3258951605028
E160503	T8	148	50	20	18	5	3258951605035
E160504	T9	173	75	20	19	5	3258951605042
E160505	T10	177	75	27	34	5	3258951605059
E160506	T15	177	75	27	37	5	3258951605066
E160507	T20	202	100	27	44	5	3258951605073
E160508	T25	205	100	32	71	5	3258951605080
E160509	T27	205	100	32	75	5	3258951605097
E160510	T30	241	125	40	118	5	3258951605103
E160511	T40	241	125	40	135	5	3258951605110

RESISTORX® SCREWDRIVERS

→ ACUMENT TMD 702

- Tri-material ergonomic comfort grip handle.
- Bit colour code: green.
- Round chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.



	N°	L1 mm	L2 mm	d mm	Weight g		EAN
E165340	TT 10	177	75	27	34	5	3258951653401
E165395	TT 15	177	75	27	37	5	3258951653951
E165396	TT 20	202	100	27	44	5	3258951653968
E165397	TT 25	205	100	32	71	5	3258951653975
E160601	TT 27	205	100	32	75	5	3258951606018
E165398	TT 30	241	125	40	118	5	3258951653982
E165399	TT 40	241	125	40	135	5	3258951653999

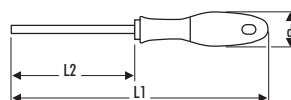
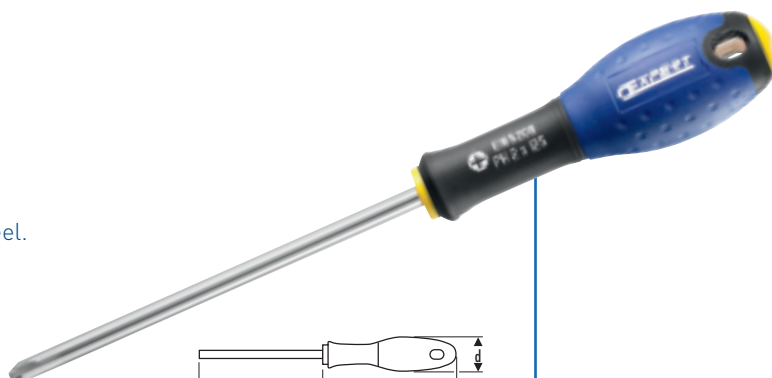


SCREWDRIVERS

SCREWDRIVERS FOR PHILLIPS® SCREWS

→ ISO 8764-1 - ISO 8764-2

- Tri-material ergonomic comfort grip handle.
- Bit colour code: yellow.
- Round chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.

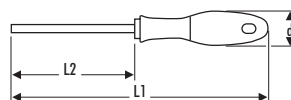


	N°	L1 mm	L2 mm	d mm	Weight g		EAN
E165204	PH 00	149	50	20	20	5	3258951652046
E165206	PH 0	177	75	27	44	10	3258951652060
E165207	PH 1	205	100	32	69	10	3258951652077
E165209	PH 2	230	125	32	88	10	3258951652091
E160304	PH 1	355	250	32	101	5	3258951603048
E160305	PH 2	355	250	32	123	5	3258951603055

SCREWDRIVER FOR PHILLIPS® SCREW WITH BOLSTER

→ ISO 8764-1 - ISO 8764-2

- Tri-material ergonomic handle for comfortable and reliable screwing.
- Screw head colour code: yellow.
- Chrome Vanadium round steel blade.
- Sand-blasted tip.
- Hex nut.

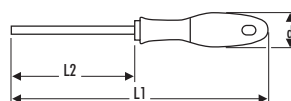


	N°	L1 mm	L2 mm	d mm	Weight g		EAN
E160301	PH 2	230	125	32	95	5	3258951603017
E160302	PH 3	266	150	40	167	5	3258951603024
E160303	PH 4	316	200	40	254	5	3258951603031

STUBBY SCREWDRIVERS FOR PHILLIPS® SCREWS

→ ISO 8764-1 - ISO 8764-2

- Tri-material ergonomic comfort grip handle.
- Bit colour code: yellow.
- Round countersunk, chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.
- Compact screwdriver ideal for confined spaces.

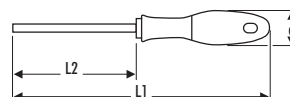


	N°	L1 mm	L2 mm	d mm	Weight g		EAN
E165406	PH 1	86	30	32	37	5	3258951654064
E165407	PH 2	86	30	32	42	5	3258951654071



SCREWDRIVERS FOR POZIDRIV® SCREWS

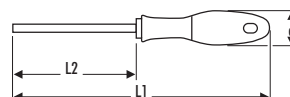
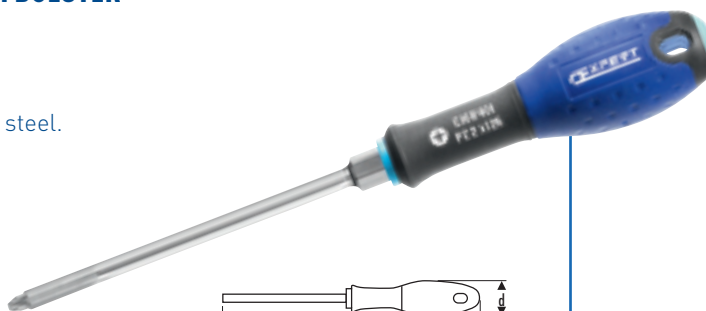
- ISO 8764-1 - ISO 8764-2
- Tri-material ergonomic comfort grip handle.
- Bit colour code: blue.
- Round chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.



	N°	L1 mm	L2 mm	d mm	Weight g		EAN
E165319	PZ 0	177	75	27	41	10	3258951653197
E165335	PZ 1	205	100	32	69	10	3258951653357
E165337	PZ 2	230	125	32	88	10	3258951653371

SCREWDRIVERS FOR POZIDRIV® SCREWS WITH BOLSTER

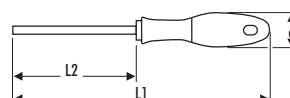
- ISO 8764-1 - ISO 8764-2
- Tri-material ergonomic comfort grip handle.
- Bit colour code: blue.
- Round chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.
- Hex bolster.



	N°	L1 mm	L2 mm	d mm	Weight g		EAN
E160401	PZ 2	230	125	32	95	5	3258951604014
E160402	PZ 3	266	150	40	165	5	3258951604021
E160403	PZ 4	316	200	40	254	5	3258951604038

STUBBY SCREWDRIVERS FOR POZIDRIV® SCREWS

- ISO 8764-1 - ISO 8764-2
- Tri-material ergonomic comfort grip handle.
- Bit colour code: blue.
- Round countersunk, chrome plated blade in Chrome Vanadium steel.
- Sand-blasted tip.
- Compact screwdriver ideal for confined spaces.



	N°	L1 mm	L2 mm	d mm	Weight g		EAN
E165408	PZ 1	86	30	32	37	5	3258951654088
E165409	PZ 2	86	30	32	42	5	3258951654095





SCREWDRIVERS, KEYS & BITS

In addition to its tri-material screwdriver range, we also offer an alternative product with a bi-material handle.



CHARACTERISTICS

Ergonomics

Grip

Colour code

Shank finish

Sand-blasted tip

Tri-material

Bi-material

Chrome

Zinc

RANGE

Standard shanks



Long shanks



Short shanks



Shanks with nut



1000V insulated



SCREWDRIVER SETS - BI-MATERIAL

SET OF 10 SLOTTED HEAD-PHILLIPS® AND POZIDRIV® SCREWDRIVERS

- Screwdrivers for slotted head screws (electrician): 2.5 x 50 - 3 x 50 - 4 x 100 mm.
- Screwdriver for slotted head screws (mechanic): 5.5 x 125 - 6.5 x 150 mm.
- Phillips® screwdriver: PH0 x 75 - PH1 x 100 - PH2 x 125.
- Pozidriv® screwdriver (compact): PZ1 x 100 - PZ2 x 125.



E160924

Weight g

650

Box

5

EAN

3258951609248



SET OF 7 SLOTTED HEAD-PHILLIPS® SCREWDRIVERS

- Screwdrivers for slotted head screws (electrician): 2.5 x 50 - 3 x 50 - 4 x 100 mm.
- Screwdriver for slotted head screws (mechanic): 5.5 x 125 - 6.5 x 150 mm.
- Phillips® screwdriver: PH1 x 100 - PH2 x 125.



E160922	Weight g		EAN
	466	5	3258951609224



SET OF 7 SLOTTED HEAD-POZIDRIV® SCREWDRIVERS

- Screwdrivers for slotted head screws (electrician): 2.5 x 50 - 3 x 50 - 4 x 100 mm.
- Screwdriver for slotted head screws (mechanic): 5.5 x 125 - 6.5 x 150 mm.
- Pozidriv® screwdriver: PZ1 x 100 - PZ2 x 125.



E160923	Weight g		EAN
	466	5	3258951609231



SET OF 5 SLOTTED HEAD-PHILLIPS® SCREWDRIVERS

- Screwdrivers for slotted head screws (electrician): 3.5 x 75 - 4 x 100 mm.
- Screwdriver for slotted head screws (mechanic): 5.5 x 125.
- Phillips® screwdriver: PH1 x 100 - PH2 x 125.



E160920	Weight g		EAN
	330	5	3258951609200





SCREWDRIVERS, KEYS & BITS

SCREWDRIVER SETS - BI-MATERIAL

SET OF 5 SLOTTED HEAD-POZIDRIV® SCREWDRIVERS

- Screwdrivers for slotted head screws (electrician): 3.5 x 75 - 4 x 100 mm.
- Screwdriver for slotted head screws (mechanic): 5.5 x 125 mm.
- Pozidriv® screwdriver: PZ1 x 100 - PZ2 x 125.

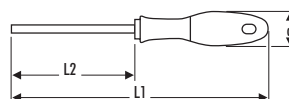
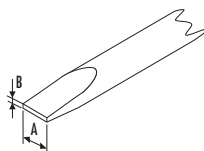


E160921	Weight g	Box	EAN
	330	5	3258951609217

SCREWDRIVER - BI-MATERIAL

SCREWDRIVER FOR ELECTRICIAN SLOTTED HEAD SCREWS

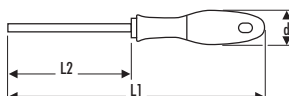
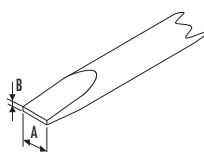
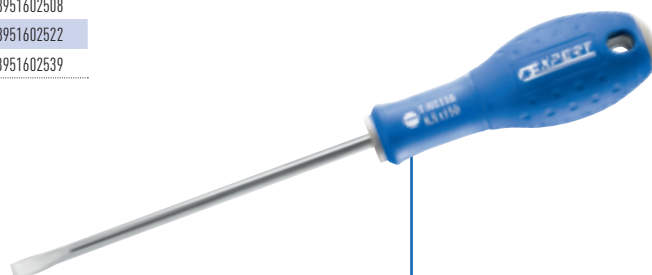
- ISO 2380-1 - ISO 2380-2
- Bi-material ergonomic handle for comfortable and reliable screwing
- Zinc-plated, chrome vanadium steel blade.



	A x L2 x B mm	L1 mm	d mm	Weight g	Box	EAN
E160250	2,5 x 50 x 0,4	149	20	16	5	3258951602508
E160252	3,5 x 75 x 0,6	177	27	37	10	3258951602522
E160253	4,0 x 100 x 0,8	202	27	43	10	3258951602539

MECHANICS SCREWDRIVER FOR SLOTTED HEAD SCREWS

- ISO 2380-1 - ISO 2380-2
- Bi-material ergonomic grip handle.
- Zinc-plated, chrome vanadium steel blade.

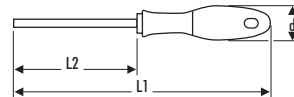


	A x L2 x B mm	L1 mm	d mm	Weight g	Box	EAN
E160254	5,5 x 125 x 1,0	230	32	69	10	3258951602546
E160255	6,5 x 150 x 1,2	266	40	123	10	3258951602553
E160256	8,0 x 175 x 1,6	291	40	177	10	3258951602560



SCREWDRIVER FOR PHILLIPS® SCREWS

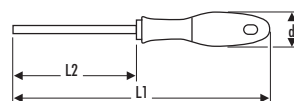
- ISO 8764-1 - ISO 8764-2
- Bi-material ergonomic grip handle.
- Zinc-plated, chrome vanadium steel blade.



	L1 mm	L2 mm	d mm	Weight g		EAN
E160340	177	75	27	44	10	3258951603406
E160341	205	100	32	69	10	3258951603413
E160342	230	125	32	88	10	3258951603420

SCREWDRIVER FOR POZIDRIV® SCREWS

- ISO 8764-1 - ISO 8764-2
- Bi-material ergonomic grip handle.
- Zinc-plated, chrome vanadium steel blade.



	L1 mm	L2 mm	d mm	Weight g		EAN
E160410	177	75	27	41	10	3258951604106
E160411	205	100	32	69	10	3258951604113
E160412	230	125	32	88	10	3258951604120



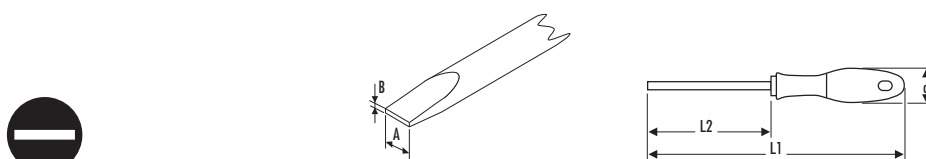


SCREWDRIVERS, KEYS & BITS

MINI SCREWDRIVER

MINI FLAT BLADE SCREWDRIVER

- Blue celluloses acetate grip.
- Nickel-plated Chrome Vanadium round blade.
- Staple on E161111.



	A x L2 x B mm	L1 mm	L2 mm	d mm	Weight g		EAN
E161110	2,0x35x0,4	75	35	12.5	7	1	3258951611104
E161111	2,5x35x0,4	110	50	13	10	1	3258951611111

NUT DRIVERS

METRIC NUT SPINNERS

- ISO 2236 - DIN 3125
- Comfortable and effective bi-material ergonomic handle.
- Screw head colour code: grey
- Chrome vanadium steel blade.



	A mm	L1 mm	L2 mm	C mm	d mm	Weight g		EAN
E121501	5	230	125	8	32	78	1	3258951215012
E121502	5.5	230	125	8.8	32	78	1	3258951215029
E121503	6	230	125	9.4	32	80	1	3258951215036
E121504	7	230	125	11	32	100	1	3258951215043
E121505	8	240	125	12	40	125	1	3258951215050
E121506	9	240	125	13.3	40	132	1	3258951215067
E121507	10	240	125	14.5	40	148	1	3258951215074
E121517	13	240	125	18.5	40	220	1	3258951215173



KEY SETS

SET OF 7 HEX METRIC WRENCHES

- Folding key set for easy storage and transport.
- Pocket knife style.
- Burnished finish.



E469262	Quantity	Content set	Weight g		EAN
E469262	7	2,5-3-4-5-6-8-10 mm.	250	12	3258954692629

SET OF 8 TORX® KEYS

- Folding key set for easy storage and transport.
- Pocket knife style.
- Burnished finish.



E469263	Quantity	Content set	Weight g		EAN
E469263	8	T9-T10-T15-T20-T25-T27-T30-T40	156	12	3258954692636





KEYS

SET OF 9 HEX KEYS - METRIC

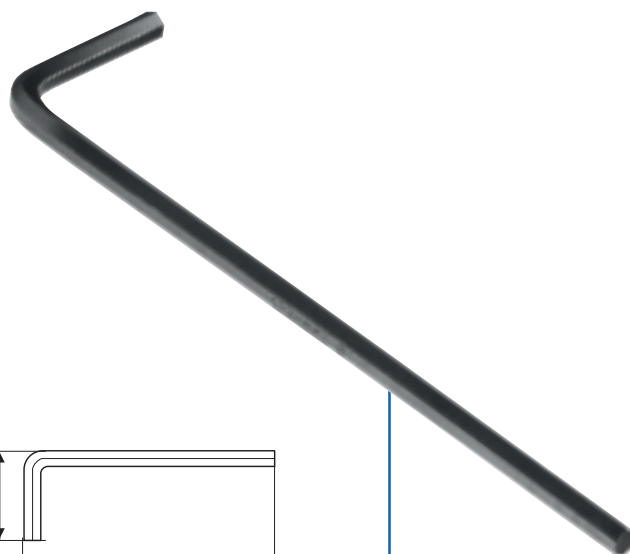
- Folding key set for easy storage and transport.
- Zinc-plated chrome steel wrenches.
- Long spherical head.



	Quantity	Content set	Weight g		EAN
E113947	9	1,5-2-2,5-3-4-5-6-8-10 mm	350	1	3258951139479

LONG HEX KEYS - METRIC

- ISO 2936 - DIN 911
- Made in chrome vanadium steel for torque strength exceeding current standards.
- Microchamfered angles on end faces for better grip in the screw head.
- Finish: zinc-plated.

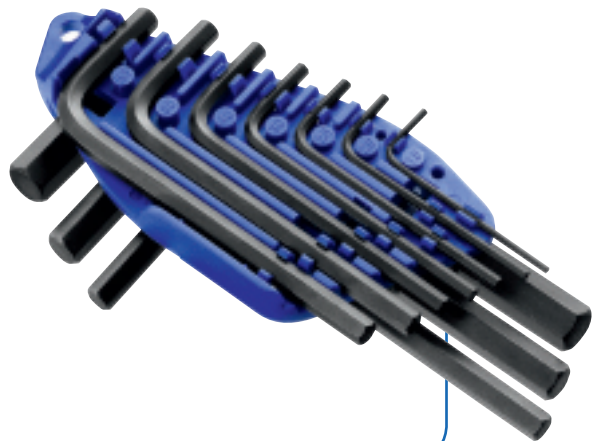


	A mm	L mm	l mm	Weight g		EAN
E113930	1,5	64	16	150	10	3258951139301
E113931	2	77	18	2	10	3258951139318
E113932	2,5	88	21	4	10	3258951139325
E113933	3	93	23	7	10	3258951139332
E113934	4	104	29	13	10	3258951139349
E113935	5	120	33	24	10	3258951139356
E113936	6	141	38	41	10	3258951139363
E113938	8	158	44	81	10	3258951139387
E113939	10	180	50	142	10	3258951139394
E120303	12	202	57	218	5	3258951203033
E120301	9	169	47	108	10	3258951203019
E120302	11	191	53	182	5	3258951203026
E120304	14	229	70	354	1	3258951203040
E120305	17	262	80	562	1	3258951203057



SET OF 10 HEX KEYS - METRIC

- Retainer clip for easy storage and transport.
- Finish: black phosphate.



	Quantity	Content set	Weight g		EAN
E069253	10	2-2,5-3-4-5-6-7-8-9-10 mm	310	12	3258950692531

SET OF 8 HEX KEYS - SAE

- Folding key set for easy storage and transport.
- Wrenches in zinc-plated Chrome Vanadium steel.
- Long.



	Quantity	Content set	Weight g		EAN
E121101	9	1/16"-5/64"-3/32"-1/8"-5/32"-3/16"-7/32"-1/4"-3/8"	290	1	3258951211014

SET OF 9 HEX KEYS - METRIC

- Folding key set for easy storage and transport.
- Zinc-plated chrome steel wrenches.
- Long.



	Quantity	Content set	Weight g		EAN
E113976	9	1,5-2-2,5-3-4-5-6-8-10 mm	350	1	3258951139769





KEYS

LONG SPHERICAL HEAD HEX KEYS - METRIC

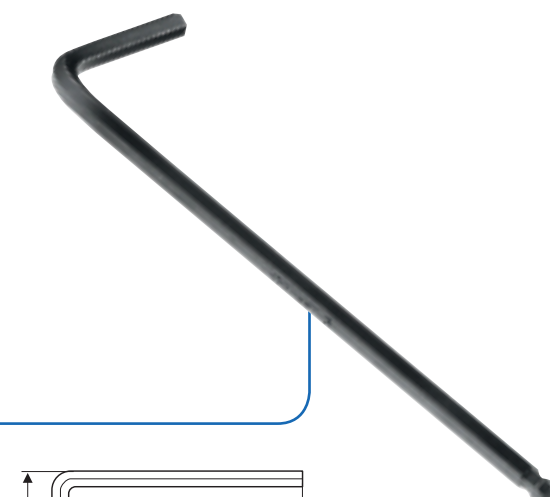
→ ISO 2936 - DIN 911

→ The spherical head allows for quicker, easier screwing, with increments up to 15°, in confined spaces.

→ Finish: zinc-plated.



	A mm	L mm	l mm	Weight g		EAN
E113964	1,5	64	16	1	10	3258951139646
E113965	2	77	18	2	10	3258951139653
E113966	2,5	88	21	4	10	3258951139660
E113967	3	93	23	8	10	3258951139677
E113968	4	104	29	14	10	3258951139684
E113969	5	120	33	24	10	3258951139691
E113970	6	141	38	36	10	3258951139707
E113972	8	158	44	80	10	3258951139721
E113974	10	180	50	139	10	3258951139745



SET OF 8 HEX KEYS - SAE

→ Folding key set for easy storage and transport.

→ Zinc-plated chrome steel wrenches.

→ Long spherical head.



	Quantity	Content set	Weight g		EAN
E117816	9	1/16"-5/64"-3/32"-1/8"-5/32"-3/16"-7/32"-1/4"-3/8"	290	1	3258951178164



LONG SPHERICAL HEAD HEX KEYS - SAE

→ ISO 2936 - DIN 911

→ The spherical head allows for quicker, easier screwing, with increments up to 15°, in confined spaces.

→ Finish: zinc-plated.



	A "	L mm	l mm	Weight g		EAN
E120601	1/16"	78	16	2	5	3258951206010
E120603	3/32"	88	19	5	5	3258951206034
E120602	5/64"	83	17	3	5	3258951206027
E120604	1/8"	98,5	22	8	5	3258951206041
E120605	5/32"	108	25	12	5	3258951206058
E120606	3/16"	119	28,5	20	5	3258951206065
E120607	7/32"	129,5	32	39	5	3258951206072
E120608	1/4"	140	35	50	5	3258951206089
E120609	3/8"	181	44,5	130	5	3258951206096





SET OF 9 HEX KEYS - METRIC

- Folding key set for easy storage and transport.
- Zinc-plated chrome steel wrenches.
- Short.



	Quantity	Content set	Weight g		EAN
E113929	9	1,5-2-2,5-3-4-5-6-8-10 mm.	260	1	3258951139295

SHORT HEX KEYS - METRIC

- ISO 2936 - DIN 911
- Made in Chrome Vanadium steel for torque strength.
- Micro chamfered angles on end faces for better grip in the screw head.
- Finish: zinc-plated.



	A mm	L mm	l mm	Weight g		EAN
E120101	0,9	41	11	50	10	3258951201015
E113911	1,3	42	14	1	10	3258951139110
E113912	1,5	47	16	1	10	3258951139127
E113913	2	52	18	3	10	3258951139134
E113914	2,5	59	21	3	10	3258951139141
E113915	3	66	23	6	10	3258951139158
E120102	3,5	70	26	7	10	3258951201022
E113916	4	74	29	10	10	3258951139165
E120103	4,5	80	31	13	10	3258951201039
E113917	5	85	33	18	10	3258951139172
E113918	6	96	38	30	10	3258951139189
E113919	7	102	41	43	10	3258951139196
E113920	8	108	44	60	10	3258951139202
E113921	9	114	47	79	10	3258951139219
E113922	10	122	50	104	10	3258951139226
E113923	11	129	53	143	5	3258951139233
E113924	12	137	57	168	5	3258951139240
E113925	13	145	63	212	1	3258951139257
E113926	14	154	70	264	1	3258951139264
E113927	17	177	80	444	1	3258951139271
E113928	19	199	89	555	1	3258951139288





SCREWDRIVERS, KEYS & BITS

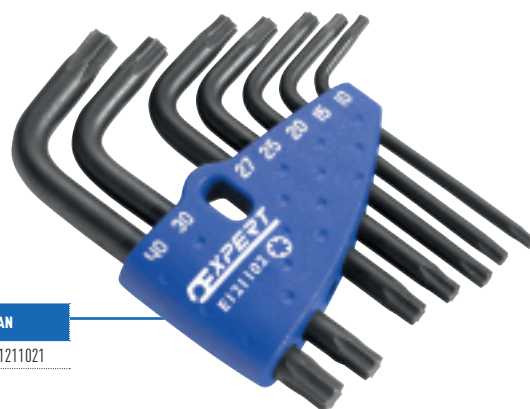
HEX KEYS TORX®

SET OF 7 TORX® KEYS

- Compact and strong case.
- Keys in Chrome Vanadium steel, black phosphate finish.



	Quantity	Content set	Weight g		EAN
E121102	7	T10-T15-T20-T25-T27-T30-T40	110	1	3258951211021

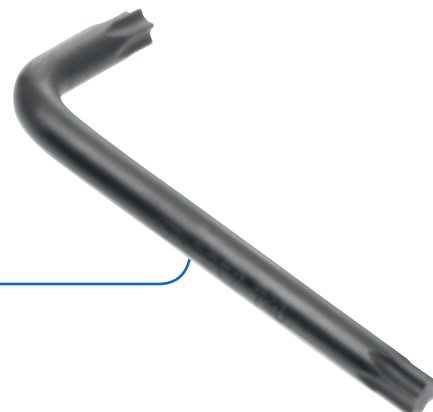


TORX® KEYS

- ACUMENT TMD 702
- Black phosphate finish.



	N°	L mm	l mm	Weight g		EAN
E113994	T10	54	20	4	10	3258951139943
E113995	T15	58	22	5	10	3258951139950
E113996	T20	61	24	7	10	3258951139967
E113997	T25	66	25	9	10	3258951139974
E113998	T27	69	27	15	10	3258951139981
E113999	T30	76	30	20	10	3258951139998
E113854	T40	83	33	29	10	3258951138540



SET OF RESISTORX® KEYS ON PLASTIC HOLDER

- Compact and strong case.
- Keys in Chrome Vanadium steel, black phosphate finish.

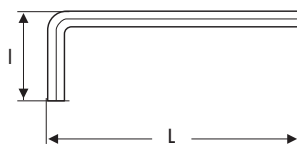


	Quantity	Content set	Weight g		EAN
E121103	7	TT10-TT15-TT20-TT25-TT27-TT30-TT40	110	1	3258951211038

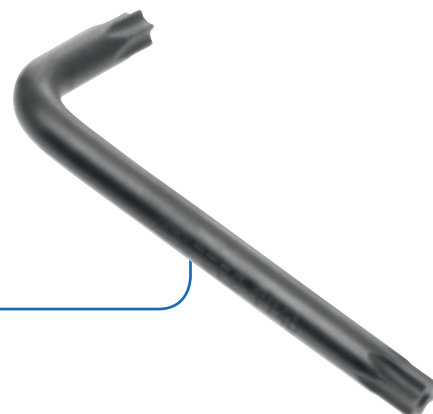


RESISTORX® KEYS

- ACUMENT TMD 702
- Black phosphate finish.



	N°	L mm	l mm	Weight g		EAN
E113858	TT10	54	20	4	10	3258951138588
E113859	TT15	58	22	5	10	3258951138595
E113860	TT20	61	24	7	10	3258951138601
E113861	TT25	66	25	9	10	3258951138618
E120901	TT27	69	27	15	5	3258951209011
E113862	TT30	76	30	20	10	3258951138625
E113863	TT40	83	33	29	10	3258951138632





T-HANDLE KEYS

SET OF 7 T-HANDLE HEX KEYS - METRIC

→ Hexagon T-handle spinner keys: 2.5-3-4-5-6-8-10 mm.



E121617	1	EAN
		3258951216170



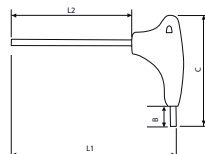
T-HANDLE HEX KEYS

→ ISO 2936 - DIN 911

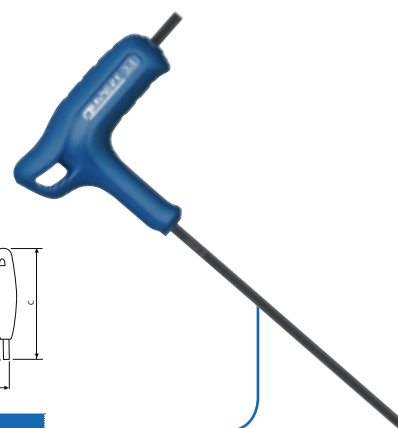
→ Ergonomic T-handle allows effective use of either end of wrench.

→ Silicon steel.

→ Black phosphate finish..



	A mm	L1 mm	L2 mm	B mm	C mm	Weight g		EAN
E121602	2	127	100	10	52	18	18	3258951216026
E121601	2,5	127	100	10	52	20	5	3258951216019
E121603	3	127	100	10	52	21	5	3258951216033
E121604	4	183	150	11	66	47	5	3258951216040
E121605	5	183	150	11	66	60	5	3258951216057
E121606	6	240	200	12	82	112	5	3258951216064
E121607	8	240	200	14	82	165	5	3258951216071
E121608	10	240	200	16	82	233	5	3258951216088



MODULE OF 8 T-HANDLE HEX KEYS

→ 2 6-point T nut spinner: 2.5 - 3 mm.

→ 6 spherical head 6-point T keys: 4 - 5 - 6 - 7 - 8 - 10 mm.

→ Empty tray: E121205.



E121609	1	EAN
		3258951216095





T-HANDLE KEYS

SET OF 6 T-HANDLE HEX KEYS WITH SPHERICAL HEAD - METRIC

- Hexagon T-handle keys with spherical head: 3-4-5-6-7-8 mm.

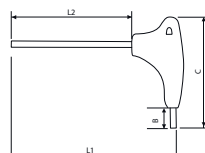


	Weight g		EAN
E121616	755	1	3258951216163



T-HANDLE HEX KEYS WITH SPHERICAL HEAD

- ISO 2936 - DIN 911
- Ergonomic T-handle allows effective use of either end of wrench.
- Spherical head allowing an angle up to 15°.
- Silicon steel.
- Black phosphate finish.



	A mm	L1 mm	L2 mm	B mm	C mm	Weight g		EAN
E121610	4	183	150	11	66	47	5	3258951216101
E121611	5	183	150	12	66	60	5	3258951216118
E121612	6	240	200	12	82	112	5	3258951216125
E121613	7	240	200	13	82	137	5	3258951216132
E121614	8	240	200	14	82	165	5	3258951216149
E121615	10	240	200	16	82	233	5	3258951216156



SET OF 7 T-HANDLE TORX® KEYS

- Torx® T-handle spinner keys: T10-T15-T20-T25-T27-T30-T40.



	Weight g		EAN
E121709	355	1	3258951217092

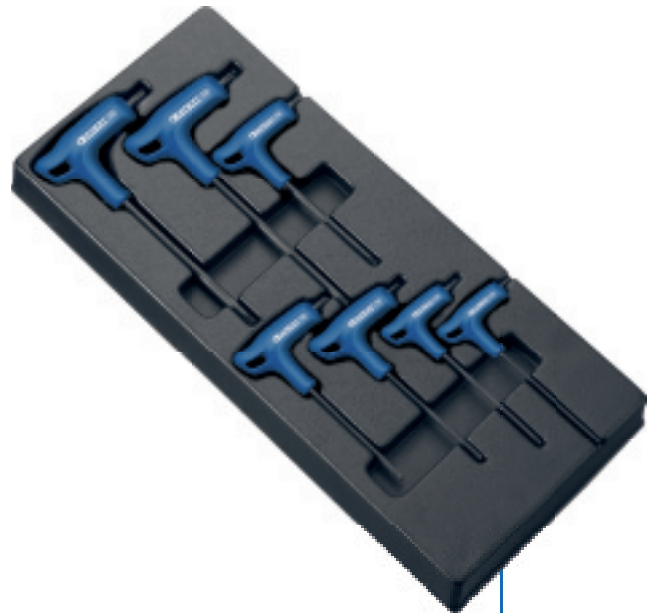




T-HANDLE KEYS

MODULE OF 7 T-HANDLE TORX® KEYS

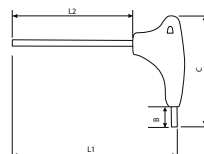
- Torx® T-handle spinner keys:
T10-T15-T20-T25-T27-T30-T40.
- Empty module: E121214.



	Weight g		EAN
E121708	547	1	3258951217085

T-HANDLE TORX® KEYS

- ACUMENT TMD 702
- Ergonomic T-handle allows effective use of either end of wrench.
- Silicon steel.
- Black phosphate finish.



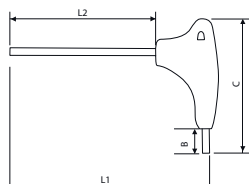
	N°	L1 mm	L2 mm	B mm	C mm	Weight g		EAN
E121701	T10	126	100	10	52	18	5	3258951217016
E121702	T15	126	100	10	52	25	5	3258951217023
E121703	T20	133	100	11	66	35	5	3258951217030
E121704	T25	133	100	12	66	50	5	3258951217047
E121705	T27	133	100	12	66	55	5	3258951217054
E121706	T30	191	150	12	82	60	5	3258951217061
E121707	T40	191	150	14	82	112	5	3258951217078



T-HANDLE KEYS

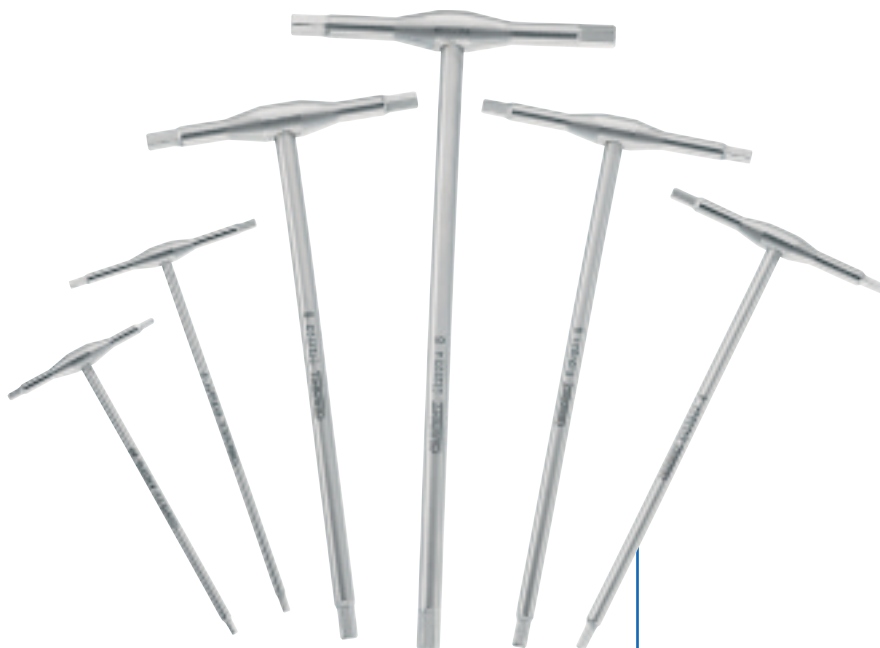
6-POINT T-HANDLE SPINNER KEYS

- UNI 2936 - ISO 2936 - DIN ISO 2936
- Dimensional accuracy ensuring perfect coupling with the screw.
- Chrome vanadium steel body.
- Smooth chrome finish.



	A mm	L1 mm	L2 mm	C mm	Weight g	☒	EAN
E121215	2	125	117	62.5	19	5	3258951212158
E121216	2.5	125	117	62.5	19	5	3258951212165
E121217	3	150	142	75	24	5	3258951212172
E121218	3.5	150	142	75	24	5	3258951212189
E121219	4	180	170	90	62	5	3258951212196
E121220	4.5	180	170	90	62	5	3258951212202
E121221	5	210	198	105	99	5	3258951212219
E121222	6	210	196	105	135	5	3258951212226
E121223	7	210	196	105	135	5	3258951212233
E121224	8	250	234	125	200	5	3258951212240
E121226	10	300	279.5	150	410	5	3258951212264
E121227	12	320	296	160	590	5	3258951212271
E121228	14	340	312	170	830	5	3258951212288

SET OF 6-POINT TEE KEYS



	Content set	Weight g	☒	EAN
E121229	2,5 - 3 - 4 - 5 - 6 - 8 mm.	550	1	3258951212295
E121230	2 - 2,5 - 3 - 3,5 - 4 - 4,5 - 5 - 6 - 7 - 8 - 10 - 12 - 14 mm.	2610	1	3258951212301



IMPACT SCREWDRIVERS

12-PIECE BOX OF IMPACT SCREWDRIVERS

- For loosening seized, rusted or stuck fasteners quickly.
- Supplied in metal box
- Contains:
 - Impact screwdriver 1/2".
 - Bit holder socket 1/2" - 5/16".
 - Extractor bit no.3, L.67 mm.
 - Extractor bit no.4, L.71 mm.
 - 2 bits for slotted head screws 8-10 mm, L.36mm.
 - 2 bits for Philips screws 2-3 mm, L.36mm.
 - 2 bits for slotted head screws 8-10 mm, L.80mm.
 - 2 bits for Philips screws 2-3 mm, L.80mm.



E230301	Weight g		EAN
1250	1	3258952303015	

BIT SETS

74 PIECE SCREWDRIVER MODULE

- 49-piece box of bits and accessories:
- Slotted head bits: 4-4.5-5.5-6.5x2-8 mm.
- Phillips® bits: PH1x2-PH2x3-PH3.
- Pozidriv® bits: PZ1x2-PZ2x3-PZ3x2.
- Torx® bits: T10x2-T15x2-T20x2-T25x2-T30x2.
- ResisTorx® bits: TT10-TT15x2-TT20x2-TT25x2-TT30x2-TT40.
- Hex bits: 2-3x2-4x2-5x2-6x2 mm.
- Magnetic bit holder with locking ring.
- Revolver ratchet bit driver + 7 bits:
 - slotted head: 4-5,5-6 mm,
 - Phillips®: PH1-PH2,
 - Pozidriv®: PZ1-PZ2.
- Set of 9 metric hex keys in sleeve: 1.5-2-2.5-3-4-5-6-8-10 mm.
- Set of 7 Torx® keys in sleeve: T10-T15-T20-T25-T27-T30-T40 mm.
- 1/4" bit adaptor for 1/4" sockets.
- Empty module: E121106.



E121105	Quantity	Weight g		EAN
5	1392	1	3258951211052	



SCREW BITS

100-PIECE BOX OF 1/4" BITS

- Slotted head bits: 3 - 4 - 4.5 - 5 - 5.5 - 6 - 6.5 - 7 - 8 mm.
- Phillips® bits: PH00 - PH0 - PH1x2 - PH2x2 - PH3 - PH4.
- Pozidriv® bits: PZ1 - PZ2x2 - PZ3 - PZ4.
- Metric 6-point bits: 1.5 - 2 - 2.5 - 3 - 4 - 5 - 5.5 - 6 - 7 - 8 mm.
- 6-point inch bits: 1/16" - 5/64" - 3/32" - 7/64" - 1/8" - 9/64" - 5/32" - 3/16" - 7/32" - 1/4".
- Tri-wing® bits: 1 - 2 - 3 - 4.
- Spanner® bits: 4 - 6 - 8 - 10 - 12.
- Torq-set® bits: 6 - 8 - 10.
- Robertson Square bits: #0 - #1 - 2x2 - 3.
- Wingnut bits: 1/8" - 5/32" - 3/16" - 1/4" - 5/16".
- XZN® bits: M5 - M6 - M8.
- Torx® bits: T8 - T9 - T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45.
- Metric 6-point bits with protection: 2 - 2.5 - 3 - 4 - 5 - 6 mm.
- SAE 6-point bits with protection: 5/64" - 3/32" - 7/64" - 1/8" - 9/64" - 5/32".
- Resistorx® bits: TT8 - TT10 - TT15 - TT20 - TT25 - TT27 - TT30 - TT35 - TT40.
- 1/4" magnetic holder bit [E113648].
- 1/4" locking holder bit E168733).



	Quantity	Weight g		EAN
E131709	100	902	1	3258951317099

1/4" - 25 MM POZIDRIV® TORSION BITS

- Slotted-head bits: 4 - 4.5 - 5.5 - 6.5x2 - 8 mm.
- Phillips® bits: PH1x2 - PH2x3 - PH3.
- Pozidriv® bits: PZ1x2 - PZ2x3 - PZ3x2.
- Torx® bits: T10x2 - T15x2 - T20x2 - T25x2 - T30x2.
- ResisTorx® bits: T10 - T15x2 - T20x2 - T25x2 - T30x2 - T40.
- Hex bits: 2 - 3x2 - 4x2 - 5x2 - 6x2 mm.
- Bit holder with locking ring.



	Quantity	Weight g		EAN
E131701	49	392	10	3258951317013

1/4" BIT AND SOCKET SET - 39 PIECES

- Slotted head bits: 4 - 5.5 - 6.5 - 8 mm.
- Phillips® bits: PH1 - PH2x2 - PH3.
- Pozidriv® bits: PZ1 - PZ2 - PZ3.
- Torx® bits: T8 - T10 - T15 - T20 - T25 - T30 - T40.
- ResisTorx® bits: TT10 - TT15 - TT20 - TT25 - TT27 - TT30 - TT40.
- Hex bits: 3 - 4 - 5 - 6 mm.
- Bit holder with locking ring.
- 6-point sockets: 6 - 7 - 8 - 10 - 11 - 12 - 13 mm.
- Socket adapter.
- Mini ratchet.



	Quantity	Weight g		EAN
E131705	39	445	10	3258951317051



1/4" BIT SET - 32 PIECES

- Slotted-head bits: 4 - 5.5 - 6.5 - 8 mm.
- Phillips® bits: PH1 - PH2 - PH3.
- Pozidriv® bits: PZ1 - PZ2 - PZ3.
- Torx® bits: T8 - T10 - T15 - T20x2 - T25x2 - T30 - T40.
- ResisTorx® bits: TT10 - TT15 - TT20 - TT25 - TT27 - TT30 - TT40.
- Hex bits: 3 - 4 - 5 - 6 mm.
- Mini ratchet.
- Bit holder with locking ring.



	Quantity	Weight g		EAN
E131702	32	367	10	3258951317020



1/4" BITS SET - 19 PIECES

- Slotted bits: 4 - 4.5 - 5.5 mm.
- Phillips® bits: PH1 - PH2.
- Pozidriv® bits: PZ1 - PZ2 - PZ3.
- Torx® bits: T10 - T15 - T20 - T25 - T30 - T40.
- Hex bits: 3 - 4 - 5 - 6 mm.
- Magnetic bit holders.



	Quantity	Weight g		EAN
E113901	19	188	20	3258951139011



61-PIECE BOX OF 1/4" BITS

- Slotted head bits: 4 mm x 3 - 6 mm x 3.
- Phillips® bits: PH1 x 3 - PH2 x 6 - PH3 x 3.
- Pozidriv® bits: PZ1 x 3 - PZ2 x 6 - PZ3 x 3.
- Metric 6-point bits: 4 mm x 3 - 5 mm x 3 - 6 mm x 3.
- Torx® bits: T10 x 3 - T15 x 3 - T20 x 3 - T25 x 3 - T27 x 3 - T30 x 3 - T40 x 3.
- 1/4" magnetic holder bit.



	Quantity	Weight g		EAN
E131710	61	445	1	3258951317105





SCREWDRIVERS, KEYS & BITS

SCREWDRIVER BITS

1/4" - 25 MM SLOTTED BITS

→ ISO 1173 - ISO 2380-1 - ISO 2351-1



	A mm	Hex Size "	Quantity	Weight g		EAN
E130101	4	1/4	6	42	20	3258951301012
E130103	5,5	1/4	6	46	20	3258951301036
E130104	6,5	1/4	6	46	20	3258951301043
E130102	4,5	1/4	6	42	20	3258951301029
E130105	8	1/4	6	63	20	3258951301050



PHILLIPS® TORSION BITS 25 MM - 1/4"

→ ISO 1173 - ISO 8764-1 - ISO 2351-2



	N°	Hex Size "	Quantity	Weight g		EAN
E113685	PH 1	1/4	6	42	20	3258951136850
E113686	PH 2	1/4	6	46	20	3258951136867
E113687	PH 3	1/4	6	50	20	3258951136874



POZIDRIV® TORSION BITS 25 MM - 1/4"

→ ISO 1173 - ISO 8764-1 - ISO 2351-2



	N°	Hex Size "	Quantity	Weight g		EAN
E113631	PZ 1	1/4	6	42	20	3258951136317
E113632	PZ 2	1/4	6	46	20	3258951136324
E113633	PZ 3	1/4	6	50	20	3258951136331



HEX BITS 25 MM - 1/4"

→ ISO 1173 - ISO 2936 - ISO 2351-3



	A mm	Hex Size "	Quantity	Weight g		EAN
E113650	2	1/4	6	50	20	3258951136508
E113651	2,5	1/4	6	54	20	3258951136515
E113652	3	1/4	6	54	20	3258951136522
E117768	4	1/4	6	54	20	3258951177686
E113654	5	1/4	6	54	20	3258951136546
E113655	6	1/4	6	63	20	3258951136553
E113656	7	1/4	6	75	20	3258951136560
E113657	8	1/4	6	75	20	3258951136577
E113658	10	1/4	6	88	20	3258951136584





1/4" - 25 MM TORX® BITS

→ ISO 1173



	N°	Hex Size "	Quantity	Weight g	☒	EAN
E117771	T6	1/4	3	33	20	3258951177716
E117772	T7	1/4	3	33	20	3258951177723
E117773	T8	1/4	3	38	20	3258951177730
E117774	T9	1/4	3	38	20	3258951177747
E117775	T10	1/4	3	38	20	3258951177754
E117776	T15	1/4	3	38	20	3258951177761
E117777	T20	1/4	3	38	20	3258951177778
E117778	T25	1/4	3	38	20	3258951177785
E117779	T30	1/4	3	38	20	3258951177792
E117780	T40	1/4	3	42	20	3258951177808



1/4" - 25 MM RESISTORX® BITS

→ ISO 1173



	N°	Hex Size "	Quantity	Weight g	☒	EAN
E117781	TT10	1/4	3	38	20	3258951177815
E117782	TT15	1/4	3	38	20	3258951177822
E117783	TT20	1/4	3	38	20	3258951177839
E117784	TT25	1/4	3	38	20	3258951177846
E117785	TT27	1/4	3	38	20	3258951177853
E117786	TT30	1/4	3	38	20	3258951177860
E117787	TT40	1/4	3	38	20	3258951177877



1/4" - 50 MM PHILLIPS® BITS

→ ISO 1173 - ISO 8764-1 - ISO 2351-2



	N°	Hex Size "	Quantity	Weight g	☒	EAN
E113691	PH 1	1/4	6	70	20	3258951136911
E113692	PH 2	1/4	6	76	20	3258951136928
E113693	PH 3	1/4	6	82	20	3258951136935



1/4" - 50 MM POZIDRIV® BITS

→ ISO 1173 - ISO 8764-1 - ISO 2351-2



	N°	Hex Size "	Weight g	☒	EAN
E113637	PZ 1	1/4	70	20	3258951136379
E113638	PZ 2	1/4	76	20	3258951136386
E113639	PZ 3	1/4	82	20	3258951136393





SCREWDRIVERS, KEYS & BITS

SCREWDRIVER BITS

1/4" - 50 MM HEX BITS

→ ISO 1173 - ISO 2936 - ISO 2351-3



	A mm	Quantity	Weight g		EAN
E113659	3	6	70	20	3258951136591
E113660	4	6	76	20	3258951136607
E113661	5	6	82	20	3258951136614
E113662	6	6	88	20	3258951136621



HEX MAGNETIC NUT SOCKET

→ ISO 1173 - ISO 691 - ISO 1711-1

→ Screw held by magnet.



	A mm	L mm	Weight g		EAN
E113643	7	65	45	24	3258951136430
E113644	8	65	45	24	3258951136447
E113645	9	65	45	24	3258951136454
E113646	10	65	51	24	3258951136461
E131608	13	65	46	24	3258951316085



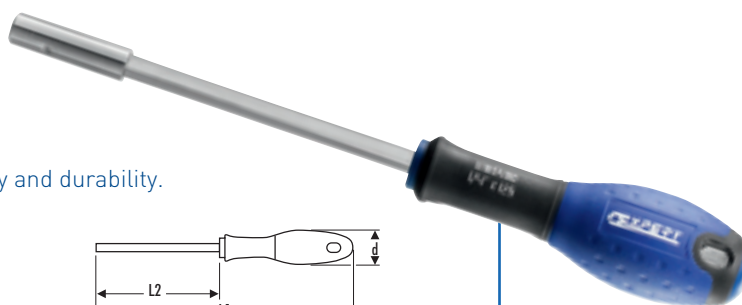
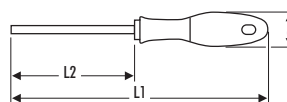
BIT HOLDERS AND ACCESSORIES

1/4" BIT HOLDER DRIVER

→ ISO 1173 - DIN 3126

→ Handle cast directly onto the blade for extreme reliability and durability.

→ Non-slip soft grip handle.



	L1 mm	L2 mm	d mm	Weight g		EAN
E165490	230	125	32	130	5	3258951654903

1/4" MINI RATCHET BIT HOLDER DRIVER

→ ISO 1173

	L mm	Weight g		EAN
E131601	91	54	20	3258951316016





1/4" BIT SET WITH REVOLVER RATCHETING SCREWDRIVER – 59 PIECES

- Ratchet revolver bit holder screwdriver (E160802).
- Slotted head bits: 3 – 4x3 – 4.5 – 5 – 5.5x2 – 6 – 6.5x2 – 8 mm.
- Phillips® bits: PH1x3 – PH2x4 – PH3.
- Pozidriv® bits: PZ1x3 – PZ2x3 – PZ3.
- 6-point bits: 2x2 – 3 – 4x2 – 5x2 – 6x2 mm.
- Torx® bits: T10 – T15x2 – T20x2 – T25x2 – T30x2 – T40x2.
- Resistorx® bits: TT10 – TT15x2 – TT20x2 – TT25x2 – TT30x2 – TT40.



E160804	Weight g	Box	EAN
891	1	3258951608043	

REVOLVER RATCHETING BIT DRIVER

- Revolver ratchet screwdriver with bit holder.
- Cartridge style bit holder.
- 2 position handle. Traditional and revolver to allow application of extra torque if required.
- Supplied with: Slotted head: 4-5.5-6 mm, Phillips®: PH1-PH2, Pozidriv®: PZ1-PZ2.



E160802	Hex Size "	Weight g	Box	EAN
1/4	320	10	3258951608029	



BIT HOLDERS AND ACCESSORIES

RATCHET BIT DRIVER

- Cartridge style bit holder.
- Complete with: Slotted head: 4-5,5-6,5 mm, Phillips®: PH1-PH2, Pozidriv®: PZ1-PZ2.



		Weight g		EAN
E160801	1/4	300	10	3258951608012



MINI RATCHET BIT HOLDER DRIVER

- Delivered with 1 3-bit holder:
- Slotted head: 5.5 mm.
- Phillips®: PH2.
- Pozidriv®: PZ2.



		Weight g		EAN
E160803	1/4	170	10	3258951608036



BIT DRIVER

- Transparent cellulose acetate grip.
- Direct bit holder grip avoiding any power loss during important tightening.
- Nickel-plated blade fitted with chrome-plated magnetic holder.
- Supplied with: Slotted head: 4.5-6.5, Philips®: PH1-PH2, Pozidriv®: PZ1-PZ2.



	Weight g		EAN
E161115	200	1	3258951611159





BLADE-HOLDER SCREWDRIVER

- Acetate storage grip.
- Brass chuck.
- Nickel-plated round blades.
- E161113 with: slot 3.5 to 5.0, PH1, 1 point.



	L mm	Weight g		EAN
E161112	135	28	1	3258951611128
E161113	155	58	1	3258951611135

1/4" BIT HOLDER LOCKING DRIVER

→ ISO 1173



	L mm	Weight g		EAN
E168733	60	28	20	3258951687338

1/4" MAGNETIC BIT HOLDER.

→ ISO 1173



	L mm	Weight g		EAN
E113648	60	22	20	3258951136485
E131609	120	41	1	3258951316092

1/4" SOCKET HOLDER

→ ISO 1173 - ISO 1174-1



	L mm	Weight g		EAN
E113649	50	29	24	3258951136492



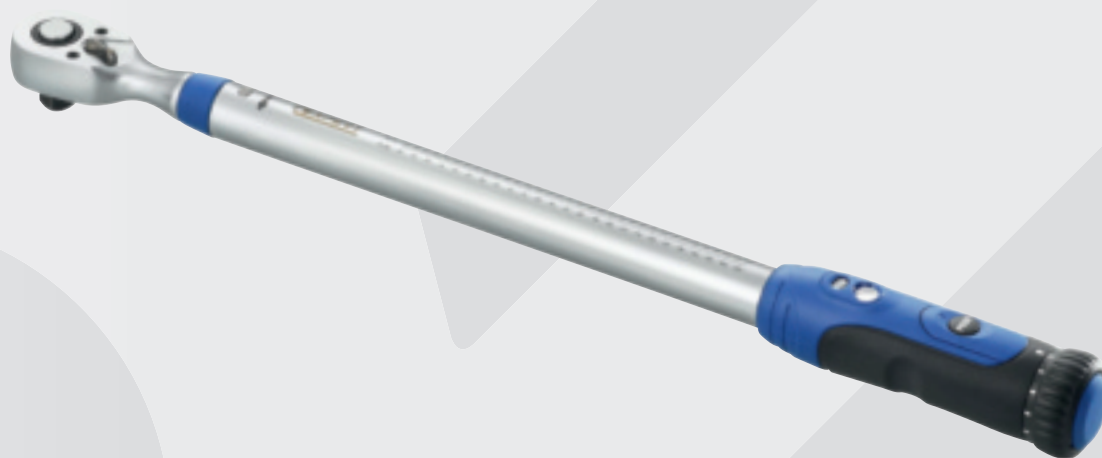
TORQUE CONTROL





Torque Wrenches

P.138



Torque Multipliers

P.139

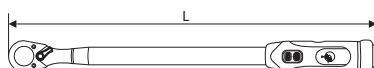




TORQUE WRENCHES

TORQUE WRENCHES

- ISO 6789
- Accuracy: $\pm 4\%$.
- Comfortable grip.
- Direct torque value reading.
- Fast and easy setting.
- Supplied with calibration certificate.



	▣	N.m	L mm	Weight g	☒	EAN
E100105	1/4"	5 - 25	323	760	1	3258951001059
E100106	3/8"	10 - 50	400	988	1	3258951001066
E100107	1/2"	20 - 100	400	988	1	3258951001073
E100108	1/2"	40 - 200	517	1360	1	3258951001080
E100109	1/2"	60 - 340	620	1730	1	3258951001097
E100110	3/4"	150 - 750	1200	5850	1	3258951001103



TORQUE WRENCH REPAIR KITS

- E100501: for 1/4" torque wrench E100105.
- E100502: for 3/8" torque wrench E100106.
- E100503: for 1/2" torque wrenches E100108, E100111, E100112 and E100113.
- E100504: for 3/4" torque wrench E100110.
- E100505: for 1/2" torque wrench E100107.
- E100506: for 1/2" torque wrench E100109.



		EAN
E100501	1	3258951005019
E100502	1	3258951005026
E100503	1	3258951005026
E100504	1	3258951005026
E100505	1	3258951005040
E100506	1	3258951005040

TORQUE MULTIPLIERS

TORQUE MULTIPLIERS

- Powerful tightening and untightening.
- Breakaway safety adaptor.
- A straight reaction arm.
- Reaction arm at 90°.



		Ratio	in N.m	Out N.m	Weight g		EAN
E100103	1/2" x 3/4"	6,5	231	1500	6200	1	3258951001035
E100104	1/2" x 1"	12	208	2500	8600	1	3258951001042

BREAKAWAY SAFETY ADAPTER

	N.m	Weight g		EAN
E100203	1500	70	1	3258951002032
E100204	2500	70	1	3258951002049



POWER TOOLS





Impact wrenches

P.142



Drills

P.144



Grinders

P.145



Orbital sander

P.146



Riveters

P.146



Air ratchets

P.146



3/8" impact sockets

P.148



1/2" impact sockets

P.148



3/4" impact sockets

P.153



1" impact sockets

P.156





IMPACT WRENCHES

1/2" COMPACT IMPACT WRENCH

- Compact design for access in confined spaces.
- Maximum breakaway torque - 678 Nm.
- Rubber coated grip.
- Soft control trigger.
- Power setting: 3.
- Connection threading: 1/4".
- Hose: 3/8" - 10 mm.



	Weight kg		EAN
E230104	1,6	1	3258952301042

1/2" IMPACT WRENCH

- Double hammer impact mechanism.
- Torque: 814 Nm at untightening.
- Rubber coated grip.
- Soft control trigger.
- Power setting: 5.
- Connection threading: 1/4".
- Hose: 3/8" - 10 mm.



	Weight kg		EAN
E230110	2,7	1	3258952301103

MAGNETIC HOLDER FOR 1/2" IMPACT WRENCHES

- 4 hooks to fit sockets up to 1/2" square.
- Ring for impact wrench.
- Holder for torque wrench or ratchet.



		EAN
E231015	1	3258952310150



3/4" IMPACT WRENCH - 1017 NM

- Double hammer impact mechanism.
- Torque: 1,017 Nm at untightening.
- Rubber coated grip.
- Soft control trigger.
- Power setting: 5.
- Connection threading: 1/4".
- Hose: 3/8" - 10 mm.



	Weight kg		EAN
E230115	2,9	1	3258952301158

3/4" IMPACT WRENCH - 1400 NM

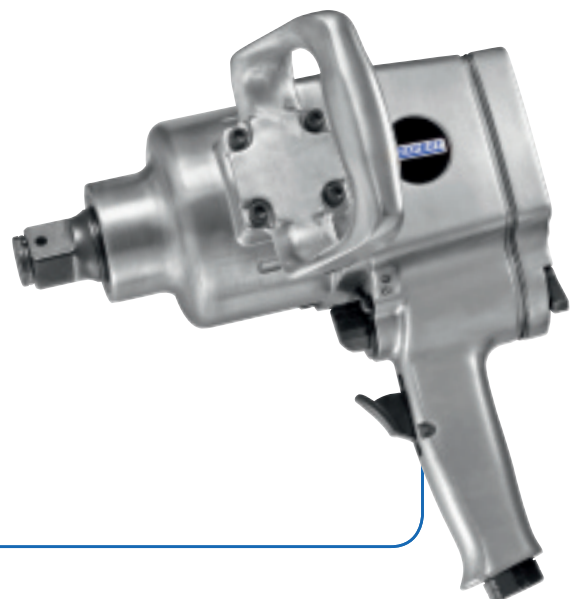
- Durable double hammer impact mechanism.
- Torque: 1400 Nm at loosening.
- The rubber grip sheath allows for comfortable work, insulated from the cold.
- Exhaust through the handle.
- Soft control trigger.
- Easy access reverser with 3 tightening strengths.
- Hose diameter: 3/8" - 10 mm.
- Tool connection: 1/4".



	Weight kg		EAN
E230116	4,75	1	3258952301165

1" IMPACT WRENCH.

- Pinless rocking dog durable impact mechanism.
- Torque: 2170 Nm at loosening.
- Side exhaust.
- Soft control trigger.
- Easy access reverser with 3 tightening strengths.
- Hose diameter: 3/4" - 19 mm.
- Tool connection: 1/2".



	Weight kg		EAN
E230120	12	1	3258952301202





IMPACT WRENCHES

1" IMPACT WRENCH

- Pinless rocking dog durable impact mechanism.
- Torque: 2170 Nm at untightening.
- Rubber coated grip.
- Soft control trigger.
- Power setting: 3.
- Connection threading: 1/2".
- Hose: 3/4" - 19 mm.



	Weight kg		EAN
E230125	9,8	1	3258952301257

1" LONG ANVIL IMPACT WRENCH

- Pinless rocking dog durable impact mechanism.
- Torque: 2170 Nm at loosening.
- Side exhaust.
- Soft control trigger.
- Easy access reverser with 3 tightening strengths.
- 3/4" connection thread (19 mm).



	Weight kg		EAN
E230126	9,8	1	3258952301257

DRILLS

3/8" REVERSIBLE DRILL

- Fast tightening chuck.
- Chuck capacity: 3/8" - 10 mm.
- Idle speed: 1,800 rpm.
- Power: 0.3 kW.
- Hose diameter: 3/8" - 10 mm.
- Tool connection: 1/4".



	Weight kg		EAN
E230402	1,170	1	3258952304029



GRINDERS

1/4" COLLET STRAIGHT DIE GRINDER

- Idle speed: 25,000 rpm.
- Soft control trigger for improved speed control.
- Hose diameter: 3/8" - 10 mm.
- Tool connection: 1/4".
- Power: 0.3 kW.



E230502	Weight g		EAN
	562	1	3258952305026

1/4" COLLET ANGLE DIE GRINDER

- Idle speed: 20,000 rpm.
- Soft control trigger for improved speed control.
- Hose diameter: 3/8" - 10 mm.
- Tool connection: 1/4".
- Power: 0.25 kW.



E230503	Weight g		EAN
	502	1	3258952305033

125MM GRINDER

- No load speed: 11000 rpm.
- Safety trigger.
- Power: 0.75 kW.
- Pipe diameter: 3/8" - 10 mm.
- Tool connection: 1/4".



E230508	Weight kg		EAN
	1,90	1	3258952305088





ORBITAL SANDER

ORBITAL SANDER 15 MM - 5 MM

- No-load speed: 10,000 rpm.
- Variable speed trigger.
- Exhaust air rotating through 360 °
- Pipe diameter: 3/8 " - 10 mm.
- Tool connection: 1/4 " - Idle speed : 10 000 rpm.



	Weight kg		EAN
E230603	0,65	1	3258952306030

RIVETERS

AIR RIVETER

- For 2.4-3.2-4.0-4.8 mm rivets.
- For use with steel, aluminium, copper or other soft materials.
- Traction strength: 9 kN.
- Wide trigger for easier use.
- Tool travel: 14 mm.
- Hose diameter: 3/8 " - 10 mm.
- Tool connection: 1/4 ".



	Weight kg		EAN
E230901	1,720	1	3258952309017

AIR RATCHET

1/4" "MINI" AIR RATCHET

- Compact design to work in a cluttered environment.
- Idle speed: 250 rpm.
- Maximum torque: 27 Nm.
- Side exhaust.
- Easy ratchet head reversing.
- Hose diameter: 1/4" - 6 mm.
- Tool connection: 1/4 ".



	L mm	d mm	Weight kg		EAN
E230201	175,5	36	0,52	1	3258952302018



3/8" "MINI" AIR RATCHET

- Compact design to work in a cluttered environment.
- Idle speed: 250 rpm.
- Maximum torque: 54 Nm.
- Side exhaust.
- Easy ratchet head reversing.
- Hose diameter: 1/4" - 6 mm.
- Tool connection: 1/4".



	L mm	d mm	Weight kg	☒	EAN
E230202	175,5	36	0,52	1	3258952302025

3/8" AIR RATCHET

- Heavy duty mechanism for daily use.
- Idle speed: 150 rpm.
- Maximum torque: 68 Nm.
- Side exhaust.
- Easy ratchet head reversing.
- Hose diameter: 3/8" - 10 mm.
- Tool connection: 1/4".



	L mm	L1 mm	d mm	Weight kg	☒	EAN
E230203	267	110,8	40,5	1,17	1	3258952302032

1/2" AIR RATCHET

- Heavy duty mechanism for daily use.
- Idle speed: 150 rpm.
- Maximum torque: 68 Nm.
- Side exhaust.
- Easy ratchet head reversing.
- Hose diameter: 3/8" - 10 mm.
- Tool connection: 1/4".



	L mm	L1 mm	d mm	Weight kg	☒	EAN
E230204	267	110,8	40,5	1,17	1	3258952302049





3/8" IMPACT SOCKETS

IMPACT SOCKET SET - 3/8" - 9 PIECES

- 3/8" impact sockets: 8-9-10-11-12-13-14-17-19 mm.
- Delivered with snap rings and safety pins.
- Supplied on metallic rack.



		Weight kg		EAN
E041601	3/8"	1,30	1	3258950416014

1/2" IMPACT SOCKET SETS

LONG IMPACT SOCKET SET - 1/2" - 14 PIECES

- 1/2" long impact sockets: 10-11-12-13-14-16-17-19-21-22-24-27-30-32 mm.
- Delivered with snap rings and safety pins.
- Packaged in socket set case with metal clasps - also converts into a modular storage system for use in roller cabinets.



		Weight kg		EAN
E041602	1/2"	4,65	1	3258950416021

IMPACT SOCKET SET - 1/2" - 17 PIECES

- 1/2" Hex impact sockets: 10-11-12-13-14-15-16-17-18-19-21-22- 24-27-30-32 mm.
- 1/2" Impact extensions: 125 mm.
- Delivered with snap rings and safety pins.
- Packaged in socket set case with metal clasps - also converts into a modular storage system for use in roller cabinets.



		Weight kg		EAN
E041603	1/2"	3,80	1	3258950416038



11-PIECE 1/2" IMPACT WRENCH AND SOCKET FOAM MODULE

- 1/2" compact impact wrench.
- 1/2" metric hex impact sockets: 11-12-13-17-19-21-22-24-27 mm.
- 1/2" drive impact extension: 125 mm.
- Set of 5 rings and pins for 1/2" impact short-reach sockets.
- E117884: 8 -> 14 mm.
- E117881: 15 -> 32 mm.
- Empty tray: E231105.



E231101	1/2"	Weight g	1	EAN
		3,2		3258952311010

10-PIECE 1/2" IMPACT WRENCH AND SOCKET FOAM MODULE

- 1/2" impact wrench.
- 1/2" metric long-reach impact sockets: 13-16-17-18-19-21-22-24 mm.
- 1/2" drive impact extension: 125 mm.
- Set of 5 rings and pins for 1/2" impact short-reach sockets.
- E117884: 8 -> 14 mm.
- E117881: 15 -> 32 mm.
- Empty tray: E231106.



E231102	1/2"	Weight kg	1	EAN
		5,2		3258952311027

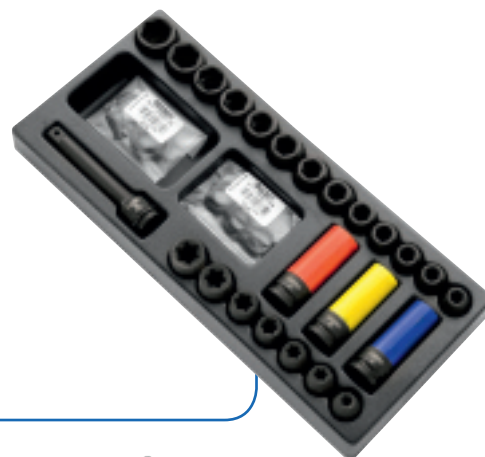




1/2" IMPACT SOCKET SETS

IMPACT SOCKET AND ACCESSORIES MODULE - 1/2" - 26 PIECES

- 1/2" Hex impact sockets: 10-11-12-13-14-15-16-17-18-19-21-22-24 mm.
- Torx® impact sockets: E10-E12-E14-E16-E18-E20-E24.
- Long impact sockets for alloy wheels: 17-19-21 mm.
- 1 set of 5 snap rings and 5 pins for 1/2" impact sockets 8 to 14 mm.
- 1 set of 5 snap rings and 5 pins for 1/2" impact sockets 15 to 32 mm.
- 1 1/2" 125 mm impact extension.
- Tray: E041606.



		Weight kg		EAN
E041604	1/2"	3,55	1	3258950416045

IMPACT SOCKET MODULE - 1/2" - 17 PIECES

- 1/2" impact sockets: 8-10-11-12-13-14-15-16-17-18-19-21-22-24 mm.
- 2 1/2" impact extensions 50-250 mm.
- 1 1/2" impact universal joint.
- Empty module: E040602.



		Weight kg		EAN
E040601	1/2"	2,35	1	3258950406015

DEEP IMPACT SOCKET MODULE - 1/2" - 25 PIECES

- 1/2" deep impact hex sockets: 10-11-13-14-16-17-18-19-21-22-24-27-30-32 mm.
- 1 1/2" impact extension 125 mm.
- 1/2" hex impact screwdriver bit sockets: 5-6-8-10-12-14-17-19.
- 1 set of 5 rings and 5 pins for 1/2" impact sockets 8 to 14 mm.
- 1 set of 5 rings and 5 pins for 1/2" impact sockets 15 to 32 mm.
- Empty module: E041645.



		Weight kg		EAN
E041644	1/2"	5,24	1	3258950416441

TORX® IMPACT SOCKET SET - 1/2" - 7 PIECES

- 1/2" Torx® impact sockets: E10-E12-E14-E16-E18-E20-E24.
- Supplied on metallic rack.



		Weight kg		EAN
E041605	1/2"	0,7	1	3258950416052



1/2" IMPACT ACCESSORIES

1/2" IMPACT EXTENSIONS

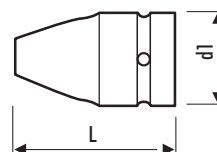
- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use impact extensions with appropriate rings and pins.



	L mm	d2 mm	Weight g	☒	EAN
E113616	50	16	97	1	3258951136164
E113617	125	16	230	1	3258951136171
E113618	250	16	430	1	3258951136188

IMPACT SOCKET 1/2" BIT HOLDER 1/2"

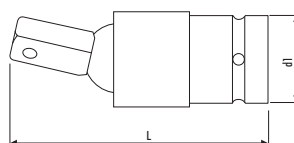
- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use Impact sockets with appropriate rings and pins.



	L mm	Weight g	☒	EAN
E113619	40	90	1	3258951136195

1/2" IMPACT UNIVERSAL JOINT

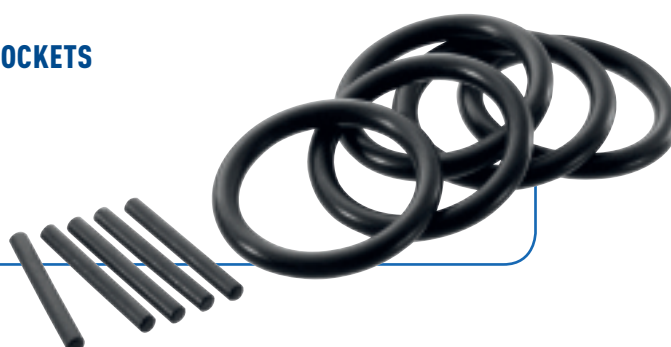
- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use Impact sockets with appropriate rings and pins.



	L mm	Weight g	☒	EAN
E113620	60	170	1	3258951136201

SET OF 5 RINGS AND 5 BUSHES FOR 1/2" IMPACT SOCKETS

- E117884 for sockets 8 to 14 mm.
- E117881 for sockets 15 to 32 mm.



	Weight g	☒	EAN
E117881	5	1	3258951178812
E117884	6	1	3258951178843



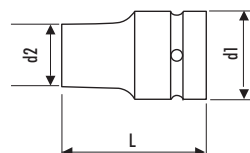
1/2" IMPACT SOCKETS

1/2" IMPACT SOCKETS - HEX - METRIC

- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use impact sockets with appropriate rings and pins.



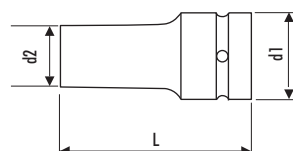
	A mm	L mm	d1 mm	d2 mm	Weight g		EAN
E113489	8	38	25	15	86	1	3258951134894
E113490	10	38	25	17.5	87	1	3258951134900
E113491	11	38	25	18.7	89	1	3258951134917
E113492	12	38	25	20	89	1	3258951134924
E113493	13	38	25	21.3	88	1	3258951134931
E113494	14	38	25	22.5	88	1	3258951134948
E113495	15	38	30	23.7	136	1	3258951134955
E113496	16	38	30	25	138	1	3258951134962
E113497	17	38	30	26.2	133	1	3258951134979
E113498	18	38	30	27.5	134	1	3258951134986
E113499	19	38	30	28.7	128	1	3258951134993
E113588	21	38	30	30	120	1	3258951135884
E113589	22	38	30	32	160	1	3258951135891
E113592	24	45	30	35	177	1	3258951135921
E113594	27	50	30	38	222	1	3258951135945
E113596	30	50	30	42	240	1	3258951135969
E113597	32	50	30	44	244	1	3258951135976



1/2" DEEP IMPACT SOCKETS - HEX - METRIC

- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use impact sockets with appropriate rings and pins.

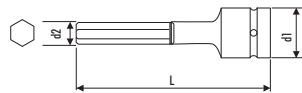
	A mm	L mm	d1 mm	d2 mm	Weight g		EAN
E113598	10	78	25	17.5	139	1	3258951135983
E113599	11	78	25	18.7	147	1	3258951135990
E113600	13	78	25	21.3	165	1	3258951136003
E113605	14	78	25	22.5	168	1	3258951136058
E113606	16	78	30	25	238	1	3258951136065
E113607	17	78	30	26.2	238	1	3258951136072
E113608	18	78	30	27.5	252	1	3258951136089
E113609	19	78	30	28.7	252	1	3258951136096
E113610	21	78	30	31	272	1	3258951136102
E113611	22	78	30	32	279	1	3258951136119
E113612	24	78	30	35	325	1	3258951136126
E113613	27	78	30	38	384	1	3258951136133
E113614	30	78	30	42	411	1	3258951136140
E113615	32	78	30	44	427	1	3258951136157





1/2" IMPACT SCREWDRIVER HEX BIT

- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- One piece screwdriver sockets.
- For your safety, use impact bit sockets with the appropriate rings and pins.



	A mm	L mm	d1 mm	d2 mm	Weight g		EAN
E113623	5	75	25	6	84	1	3258951136232
E113624	6	75	25	7.1	89	1	3258951136249
E113625	8	75	25	9.5	97	1	3258951136256
E113626	10	75	25	11.8	108	1	3258951136263
E113627	12	75	25	14	125	1	3258951136270
E113628	14	75	25	16	143	1	3258951136287
E113629	17	75	25	19.8	178	1	3258951136294
E113630	19	75	25	22.1	203	1	3258951136300



3/4" IMPACT SOCKET SET

11-PIECE 3/4" IMPACT WRENCH AND SOCKET FOAM MODULE

- 3/4" impact wrench.
- 3/4" metric impact sockets: 19-22-24-27-30-32-36-38 mm.
- Set of 5 rings and 5 pins for 3/4" impact sockets.
- 3/4" drive impact extension: 175 mm.

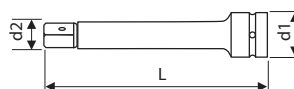


		Weight g		EAN
E231103	3/4"	8,1	1	3258952311034

3/4" IMPACT ACCESSORIES

3/4" IMPACT EXTENSIONS

- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use impact extensions with appropriate rings and pins.



	L mm	d1 mm	d2 mm	Weight g		EAN
E113487	175	44	25	883	1	3258951134870
E113488	250	44	25	1167	1	3258951134887

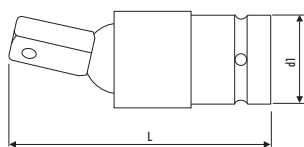




3/4" IMPACT ACCESSORIES

3/4" IMPACT UNIVERSAL JOINT

- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use Impact universal joint with appropriate rings and pins.

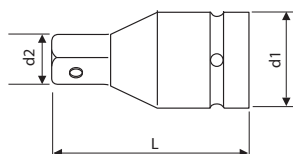


	L mm	d1 mm	Weight g		EAN
E041501	107	25.6	700	1	3258950415017



3/4" TO 1/2" IMPACT SOCKET COUPLER

- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use Impact couplers with appropriate rings and pins.

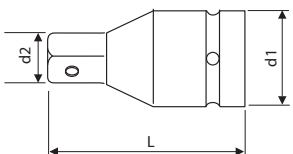


	L mm	d1 mm	d2 mm	Weight g		EAN
E041502	56	44	12.58	350	1	3258950415024



1" TO 3/4" IMPACT SOCKET COUPLER

- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use Impact couplers with appropriate rings and pins.



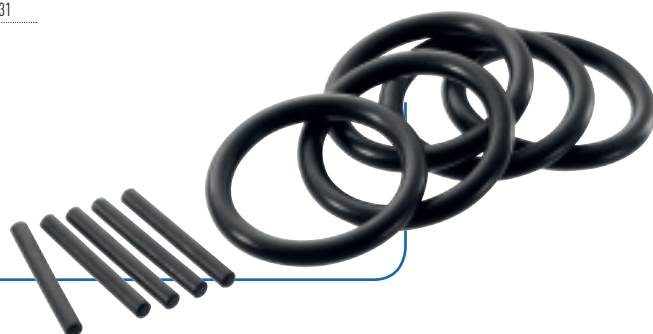
	L mm	d1 mm	d2 mm	Weight g		EAN
E041503	75	54	25	800	1	3258950415031



SET OF 5 RINGS AND 5 BUSHES FOR 3/4" IMPACT SOCKETS

- For 3/4" sockets - 17 to 50 mm.

	Weight g		EAN
E113563	10,6	1	3258951135631

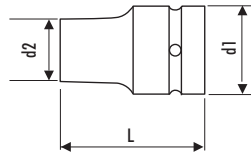




3/4" IMPACT SOCKETS

3/4" IMPACT SOCKETS - METRIC

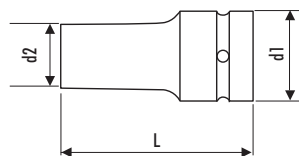
- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use impact sockets with appropriate rings and pins.



	A mm	L mm	d1 mm	d2 mm	Weight g		EAN
E041101	17	38	30	26.2	367	1	3258950411019
E041102	19	38	30	28.7	367	1	3258950411026
E041103	21	38	30	30	367	1	3258950411033
E041104	22	38	30	32	367	1	3258950411040
E041105	24	45	30	35	400	1	3258950411057
E041106	27	50	30	38	400	1	3258950411064
E113470	30	50	30	42	429	1	3258951134702
E113471	32	50	30	44	475	1	3258951134719
E113472	33	56	44	51	481	1	3258951134726
E113473	34	56	44	52	492	1	3258951134733
E113475	36	56	44	54	523	1	3258951134757
E113476	38	58	44	57	565	1	3258951134764
E113477	41	58	44	60	608	1	3258951134771
E113479	46	63	44	67	770	1	3258951134795

3/4" DEEP IMPACT SOCKETS - METRIC

- Designed specifically to withstand demands of impact machinery.
- Chrome-Molybdenum steel.
- For your safety, use impact sockets with appropriate rings and pins.



	A mm	L mm	d1 mm	d2 mm	Weight g		EAN
E113480	17	95	44	31	541	1	3258951134801
E113481	19	95	44	33	566	1	3258951134818
E113482	24	95	44	39	634	1	3258951134825
E113483	27	95	44	43	705	1	3258951134832
E113484	30	95	44	47	734	1	3258951134849
E113485	32	95	44	49	829	1	3258951134856
E041301	33	95	44	52	800	1	3258950413013
E113486	36	95	44	54	930	1	3258951134863
E041302	41	95	44	60	1000	1	3258950413020
E041303	46	95	44	67	1200	1	3258950413037



1" IMPACT SOCKET SETS

4-PIECE SET OF 1" LONG-REACH IMPACT SOCKETS ON RACK

- 1" metric 6-point long-reach impact sockets.
- Sockets: 27-32-33-36 mm.
- Supplied with safety shanks and pins.
- Supplied on metallic rack (E042406).



		Weight g		EAN
E041648	1"	608	1	3258950416489

8-PIECE SET OF 1" IMPACT SOCKETS ON RACK

- 1" metric 6-point impact sockets.
- Sockets: 27-30-32-33-36-41-46-50 mm.
- Supplied with safety shanks and pins.
- Supplied on metallic rack (E042408).

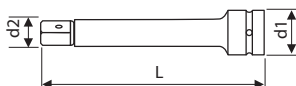


		Weight g		EAN
E041647	1"	1350	1	3258950416472

1" IMPACT ACCESSORIES

1" IMPACT LONG-REACH EXTENSION

- ISO 1174-2
- Designed to resist constraints of impact machines.
- Chrome molybdenum steel.
- For your safety, use impact extensions and accessories with the appropriate bushes and shanks.



	L mm	d1 mm	d2 mm	Weight g		EAN
E042402	200	54	34	1626	1	3258950424026



SET OF 5 SHANKS AND 5 BUSHES FOR 1" IMPACT SOCKETS

→ For 1" sockets from 19 to 70 mm.

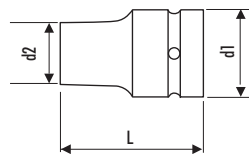
	Weight g		EAN
E042401	7	1	3258950424019



1" IMPACT SOCKETS

1" IMPACT SOCKETS

- ISO 2725-2 - ISO 1711-2 - ISO 1174-2
- Designed to resist constraints of impact machines.
- Chrome molybdenum steel.
- For your safety, use impact sockets and accessories with the appropriate bushes and shanks.

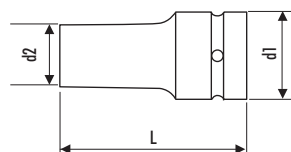


	A mm	L mm	d1 mm	d2 mm	Weight g		EAN
E042204	27	58	50,9	44	500	1	3258950422046
E042207	30	60	50,9	48	540	1	3258950422077
E042208	32	60	50,9	50,9	570	1	3258950422084
E042209	33	62	52	52,9	630	1	3258950422091
E042211	36	62	52	55,9	650	1	3258950422114
E042213	41	62	52	61,5	700	1	3258950422138
E042215	46	64	58	68	980	1	3258950422152
E042216	50	70	58	73	1140	1	3258950422169



1" DEEP IMPACT SOCKETS.

- ISO 2725-2 - ISO 1711-2 - ISO 1174-2
- Designed to resist constraints of impact machines.
- Chrome molybdenum steel.
- For your safety, use impact sockets and accessories with the appropriate bushes and shanks.



	A mm	L mm	d1 mm	d2 mm	Weight g		EAN
E042304	27	90	50,9	44	740	1	3258950423043
E042307	32	90	50,9	50,9	900	1	3258950423074
E042308	33	90	52	52,9	940	1	3258950423081
E042310	36	90	52	55,9	1000	1	3258950423104



PLIERS





Pliers sets

P.160



Multigrip pliers

P.162



Combination pliers

P.162



Cutting pliers

P.163



Long nose pliers

P.165



Circlips® pliers

P.166



End nippers

P.168



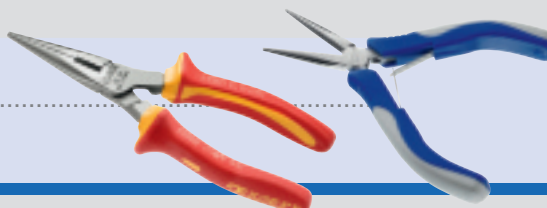
Lock-grip pliers

P.168



1000 VOLTS PLIERS AND ELECTRONIC PLIERS

See section Electricity-Electronics p 212.





PLIER SETS

4 PIECE PLIER SET

- 180mm combination pliers: E080504.
- 160mm diagonal cutting pliers: E080205.
- 200mm straight half-round nose pliers: E080408.
- 240mm slip-joint multi-grip pliers: E184690.
- Made in France.



	Quantity	Weight g		EAN
E080817	4	975	1	3258950808178

4 PIECE PLIER SET

- 180mm combination pliers: E080504.
- 160mm diagonal cutting pliers: E080205.
- 200mm straight half-round nose pliers: E080408.
- 250mm push-lock multi-grip pliers: E084648.



	Quantity	Weight g		EAN
E080818	4	985	1	3258950808185

2 PIECE PLIER SET

- 160mm Diagonal Cutting Pliers: E080205.
- 240mm slip-joint multi-grip pliers: E184690.
- Made in France.



	Quantity	Weight g		EAN
E080815	2	558	1	3258950808154

3 PIECE PLIER SET

- 180mm combination pliers: E080504.
- 160mm diagonal cutting pliers: E080205.
- 200mm straight half-round nose pliers: E080408.
- Made in France.

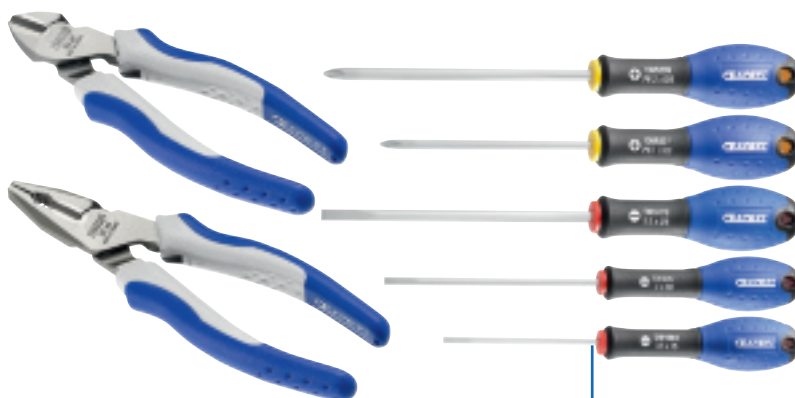


	Quantity	Weight g		EAN
E080816	3	730	1	3258950808161



7 PIECE PLIER AND SCREWDRIVER SET

- 180mm combination pliers: E080504.
- 160mm diagonal cutting pliers: E080205.
- 3.5X75 Slotted Screwdriver: E164983
- 4X100 Slotted Screwdriver: E165017
- 5.5X125 Slotted Screwdriver: E165476
- PH1X100 Phillips Screwdriver: E165207
- PH2X125 Phillips Screwdriver: E165209
- Made in France



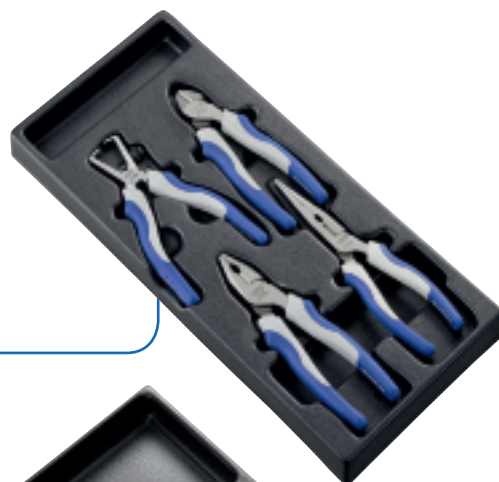
	Quantity	Weight g		EAN
E080819	7	2500	1	3258950808192

PLIER MODULES

4-PIECE PLIER SET IN A PLASTIC MODULE

- 160mm Diagonal cutting pliers: E080205
- 180mm Universal pliers: E080504
- 170mm wire stripper: E050106
- 200mm Straight 1/2 round nose pliers: E080408
- Empty thermoformed tray: E010537.
- Made in France

	Quantity	Weight g		EAN
E080821	4	1246	1	3258950808215



MULTIGRIP / LOCK-GRIP PLIER MODULE

- Multiple grip pliers: E184690.
- Lock-grip pliers: E184199.
- Empty tray: E010504.

	Quantity	Weight g		EAN
E080801	2	1370	1	3258950808017



SLIP-JOINT / LOCK-GRIP PLIER MODULE

- 1 pair of slip-joint multigrip pliers: E084648.
- 1 short-nose single setting lock-grip pliers: E084809.
- Empty thermoformed tray: E010504.

	Quantity	Weight g		EAN
E194944	2	1264	1	3258951949443



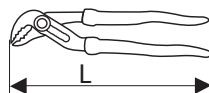


PLIERS

MULTIGRIP PLIERS

TWIN SLIP-JOINT MULTIGRIP PLIERS

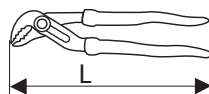
- ISO 8976
- Multi positions.
- Pushlock button (patented).
- Ergonomic bi-material handle.
- Black chromium finish.
- 17 positions.



	L mm	Jaw depth mm	Weight g		EAN
E084648	260	31.6	254	5	3258950846484
E084649	311	69.5	304	5	3258950846491

MULTIGRIP PLIER - 240 MM

- ISO 8976
- Blue PVC sheathed handles.
- Finish: shot blasted varnished.

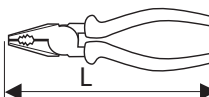


	L mm	Jaw depth mm	Weight g		EAN
E184690	240	32.5	310	10	3258951846902

COMBINATION PLIERS

COMBINATION PLIERS

- DIN ISO 5746
- Designed to cover all gripping and cutting applications.
Cutting edges designed to cut all types of wires
(Soft, mid-hard, hard wire).
- Ergonomic handle for better comfort in long and repetitive use.
- E080503: Piano Wire Max 1.6mm 220kg/mm²
- E080504: Piano Wire Max 1.8mm 215kg/mm²
- E080505: Piano Wire Max 2.0mm 210kg/mm²
- Made in France



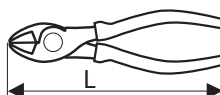
	L mm	Weight g		EAN
E080503	160	195	1	3258950805030
E080504	180	225	1	3258950805047
E080505	200	300	1	3258950805054



CUTTING PLIERS

ELECTRICIANS CUTTING PLIERS

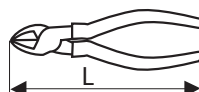
- **DIN ISO 5749**
- Electrician model designed specifically to offer perfect access in confined spaces.
- Cutting edges designed to guarantee best performance on soft (copper) and semi-hard wire.
- Ergonomic handle for comfortable use during highly repetitive cutting.
- E080208: Piano Wire Max 1.4mm 160kg/mm²
- E080209: Piano Wire Max 1.6mm 160kg/mm²
- E080210: Piano Wire Max 1.8mm 160kg/mm²
- Made in France



	L mm	Weight g		EAN
E080208	140	155	1	3258950802084
E080209	160	190	1	3258950802091
E080210	180	250	1	3258950802107

ENGINEERS CUTTING PLIERS

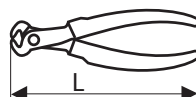
- **DIN ISO 5749**
- Designed to offer perfect versatility whatever the cutting load.
- Cutting edges designed to guarantee best performance on soft wire (Copper), semi-hard and hard wire (Stainless steel, spring).
- Ergonomic handle for comfortable use during highly repetitive cutting.
- E080205: Piano Wire Max 1.6mm 220kg/mm²
- E080206: Piano Wire Max 1.8mm 215kg/mm²
- E080207: Piano Wire Max 2.0mm 210kg/mm²
- Made in France



	L mm	Weight g		EAN
E080205	160	200	1	3258950802053
E080206	180	260	1	3258950802060
E080207	200	320	1	3258950802077

FRONT CUTTING PLIERS - 160 MM

- **DIN ISO 5748**
- Cutting edge design ensuring neat cutting on hard and semi-hard wire.
- Minimum cutting effort thanks to a longer lever arm.
- Ergonomic handle for enhanced comfort in highly repetitive cutting.
- Piano Wire Max 1.6mm 220kg/mm²
- Made in France



	L mm	Weight g		EAN
E080211	160	200	1	3258950802114



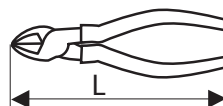


PLIERS

CUTTING PLIERS

FLUSH CUT PLIERS

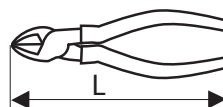
- Chrome vanadium steel body.
- Polished chrome jaws for accurate and effective cutting.
- Blue PVC sheaths.



	L mm	Weight g		EAN
E020308	150	130	5	3258950203089
E020309	175	215	5	3258950203096

FLUSH CUT PLIERS

- Chrome vanadium steel body.
- Polished chrome jaws for accurate and effective cutting.
- Blue PVC sheaths.

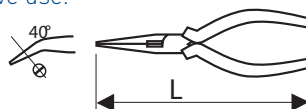


	L mm	Weight g		EAN
E020310	150	127	2	3258950203102

LONG NOSE PLIERS

1/2 ROUND NOSE - 40° ELBOWED PLIERS

- **DIN ISO 5745**
- Slim nose ensuring optimum access when used in a confined environment (electric cabinets).
- Finely serrated noses with a side wire-cutter - Max 1.6mm 160kg/mm².
- Ergonomic handle for better comfort in long and repetitive use.
- Made in France.



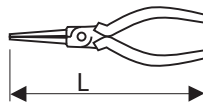
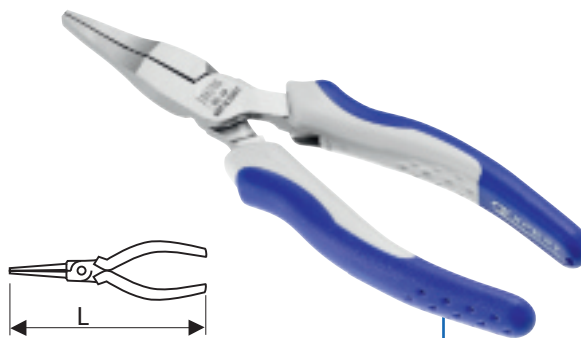
	L mm	Weight g		EAN
E080409	160	177	1	3258950804095
E080410	200	192	1	3258950804101



FLAT PLIER - STRAIGHT NOSE - 160 MM

→ DIN ISO 5745

- Slightly serrated nose for perfect grip.
- Ergonomic handle for higher comfort.
- Made in France.

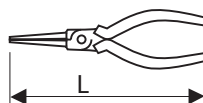


	L mm	Weight g		EAN
E080411	160	140	1	3258950804118

ROUND-NOSE PLIER - 170 MM

→ DIN ISO 5745

- Ideal for making loops, bends or hoops.
- Ergonomic handle for higher comfort.
- Made in France.

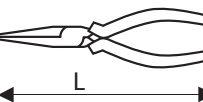
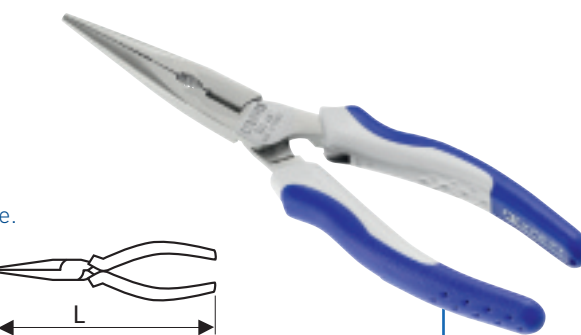


	L mm	Weight g		EAN
E080412	170	135	1	3258950804125

STRAIGHT LONG NOSE PLIERS

→ DIN ISO 5745

- Slim nose ensuring optimum access when used in a confined environment (electric cabinets).
- Finely serrated noses with a side wire-cutter - Max 1.6mm 160kg/mm².
- Ergonomic handle for better comfort in long and repetitive use.
- Made in France



	L mm	Weight g		EAN
E080407	160	177	1	3258950804071
E080408	200	192	1	3258950804088





CIRCLIP® PLIER MODULE

MODULE OF 4 CIRCLIP® PLIER

- Straight inside pliers: E117914.
- Inside 90° pliers: E117922.
- Straight inside pliers: E117910.
- 90° outside pliers: E177918.
- Empty thermoformed tray: E010503.

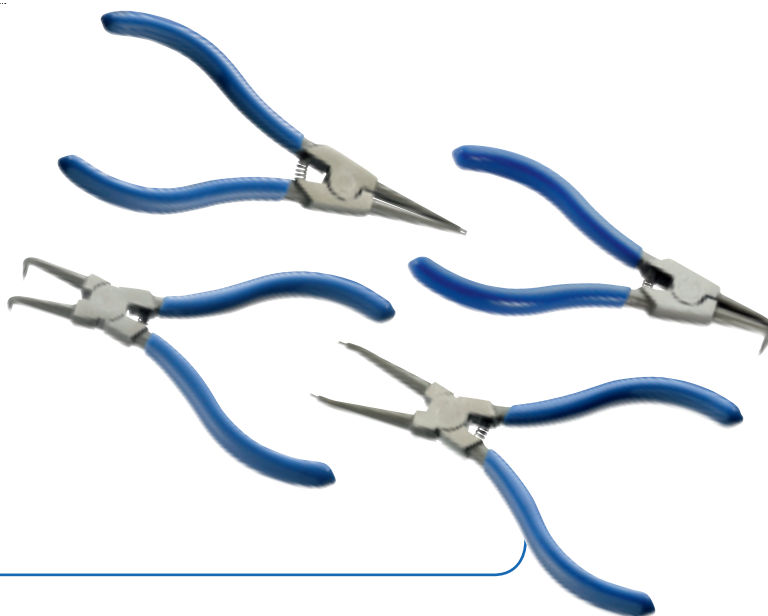


	Quantity	Weight g		EAN
E194943	4	1052	1	3258951949436

CIRCLIP® PLIERS

SET OF 4 CIRCLIP® PLIER

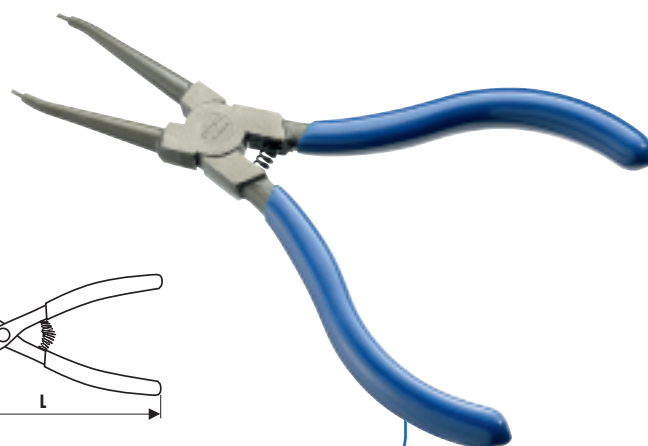
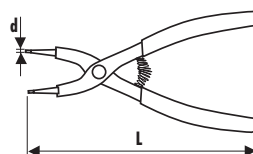
- Straight internal pliers: E117914.
- Internal 90° pliers: E117922.
- Straight external pliers: E117910.
- 90° external pliers: E177918.
- .



	Weight g maxi		EAN
E080820	785	1	3258950808208

STRAIGHT INSIDE NOSE CIRCLIP® PLIER

- DIN 5256 - NF E 73-130
- Noses machined for perfect CIRCLIP® positioning.
- Blue PVC sheathed handles.



	d mm	L mm	CIRCLIP mini-maxi mm	Weight g		EAN
E117912	0.9	140	3-10	95	10	3258951179123
E117913	1.3	145	10-25	100	10	3258951179130
E117914	1.8	185	19-60	140	10	3258951179147
E117915	2	215	40-100	330	10	3258951179154

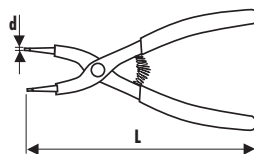


INSIDE 90° NOSE CIRCLIP® PLIER

→ DIN 5256 - NF E 73-130

→ Noses machined for perfect CIRCLIP® positioning.

→ Blue PVC sheathed handles.



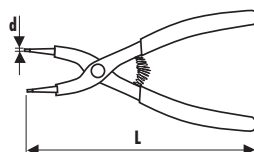
	d mm	L mm	CIRCLIP mini-maxi mm	Weight g	☒	EAN
E117920	0.9	130	3-10	95	10	3258951179208
E117921	1.3	130	10-25	100	10	3258951179215
E117922	1.8	170	19-60	150	10	3258951179222
E117923	2	275	40-100	330	10	3258951179239

STRAIGHT-NOSE OUTSIDE-CIRCLIP® PLIER

→ DIN 5254 - NF E 73-130

→ Noses machined for perfect CIRCLIP® positioning.

→ Blue PVC sheath.



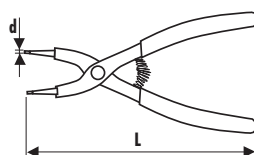
	d mm	L mm	CIRCLIP mini-maxi mm	Weight g	☒	EAN
E117908	0.9	150	3-10	95	10	3258951179086
E117909	1.3	150	10-25	100	10	3258951179093
E117910	1.8	180	19-60	160	10	3258951179109
E117911	2	180	40-100	330	10	3258951179116

OUTSIDE 90° NOSE CIRCLIP® PLIER

→ DIN 5254 - NF E 73-130

→ Noses machined for perfect CIRCLIP® positioning.

→ Blue PVC sheathed handles.



	d mm	L mm	CIRCLIP mini-maxi mm	Weight g	☒	EAN
E117916	0.9	140	3-10	95	10	3258951179161
E117917	1.3	140	10-25	105	10	3258951179178
E117918	1.8	170	19-60	150	10	3258951179185
E117919	2	200	40-100	330	10	3258951179192

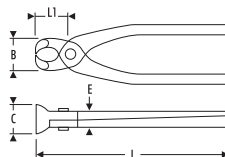


PLIERS

END NIPPERS

HEAVY DUTY END NIPPERS

- ISO 9242
- Semi round rigid branch for easy handling.
- "HF" treated cutting edges for longer lifetime and enhanced cutting performance.
- Max cutting capacity: 4.5 mm for soft wire and hard wire 160 kg/mm².
- Burnished finish with polished head.

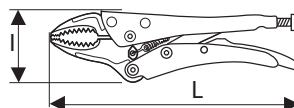


	B mm	C mm	L mm	L1 mm	Weight g		EAN
E184179	28	12	200	10	265	10	3258951841792
E184302	31	13	220	10.5	325	10	3258951843024
E184181	35	14	250	12	425	10	3258951841815
E184182	35	14	280	12	495	10	3258951841822

LOCK-GRIP PLIERS

SHORT NOSE SINGLE ADJUST LOCK-GRIP PLIERS

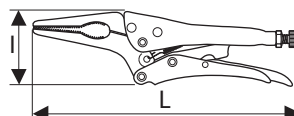
- Anti-corrosion chrome-plated body.
- Precision machined grips.
- Teeth along entire jaw.
- Tightening strength adjustable by knob.
- Release lever.



	L mm	l mm	Jaw depth mm	Weight g		EAN
E084807	140	47	23	205	5	3258950848075
E084808	190	60	34	415	5	3258950848082
E084809	250	75	50	659	5	3258950848099

LONG NOSE SINGLE ADJUST LOCK-GRIP PLIERS

- Long nose lock grip pliers for better and ideal access in more delicate work.
- Anti-corrosion chrome plated body.
- Precision machined grips.
- Teeth along entire jaw.
- Tightening strength adjustable by knob.
- Release lever.

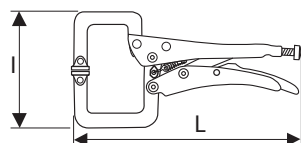


	L mm	l mm	Jaw depth mm	Weight g		EAN
E084812	170	47	51	227	5	3258950848129
E084813	235	56	66	450	5	3258950848136



LONG REACH LOCK-GRIP PLIERS

- C shape lock-grip pliers.
- Special forged steel grips guaranteeing perfect support of profiles, U bracket and angle pieces.
- Chrome-plated anti-corrosion body.
- Precision machined grips.
- Tightening power adjustable by knob.
- Release lever.

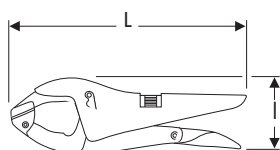

E084816

E084815

	L mm	l mm	Jaw depth mm	Jaw height mm	Weight g	✉	EAN
E084815	170	88	37	58	265	5	3258950848150
E084816	290	150	65	100	890	5	3258950848167

LARGE-CAPACITY LOCK-GRIP PLIERS

- Lock-grip pliers ideal for strong grip on round / square and angle sections.
- 4-position button ratchet.
- Chrome plated body.
- Phosphate pliers finish.
- High precision machined jaws.
- 17 mm wide noses.



	L mm	l mm	Weight g	✉	EAN
E080701	250	63	620	1	3258950807010



MEASURING - SCRIBING





Modules

P.172



Magnetic box levels

P.173



Tape measures

P.173



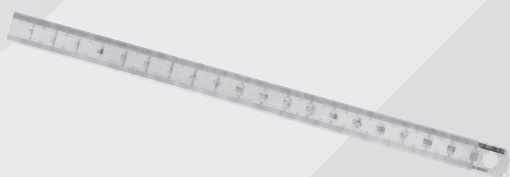
Caliper

P.174



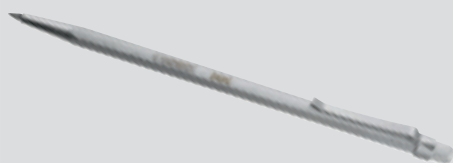
Rule

P.174



Steel scribers

P.175



Scriber

P.174





MODULES

MEASURING AND CUTTING MODULE

- Thermoformed tray.
- 1 pair of riveting pliers 270 mm: E169804.
- Caliper 1/20 mm: E140601.
- 1 rule 200 mm: E140801.
- 1 automatic punch Ø 7 mm: E150504.
- 1 steel scriber 190 mm: E003601.
- 1 straight cut aviation shears: E214563.
- Empty tray: E142402.



	Quantity	Weight g		EAN
E142401	6	1513	1	3258951424018

MEASURING AND CUTTING MODULE

- 1 pair of riveting pliers 270 mm: E169804.
- 1 4 mm punch: E150502.
- 1 steel scriber 190 mm: E003601.
- 1 rule 200 mm: E140801.
- 1 straight cut aviation shears: E214563.
- 1 revolver grip hack saw: E115122.
- Bi-material 1 m tape measure: E140103.
- 1 18 mm utility knife: E020302.
- 1 mechanical slide rule 1/20 mm: E140601.
- Empty thermoformed tray: E010519.



	Quantity	Weight g		EAN
E090302	9	2305	1	3258950903026



MAGNETIC BOX LEVELS

MAGNETIC LEVELS

- DIN 877
- Light alloy body.
- 2 magnets.

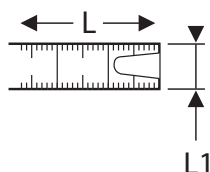


	Dimensions	Weight g	⊠	EAN
E142301	300 x 50 x 20 mm	286	1	3258951423011
E142302	450 x 50 x 20 mm	364	1	3258951423028
E142303	600 x 50 x 20 mm	442	1	3258951423035

TAPE MEASURES

TAPE MEASURE

- Accuracy Class II.
- Ergonomic chrome casing.
- Durable blade with nylon coating.
- Efficient blade lock.
- Stainless steel belt hook.



	L mm	L1 mm	Weight g	⊠	EAN
E140105	3	13	90	1	3258951401057
E140106	5	19	200	1	3258951401064

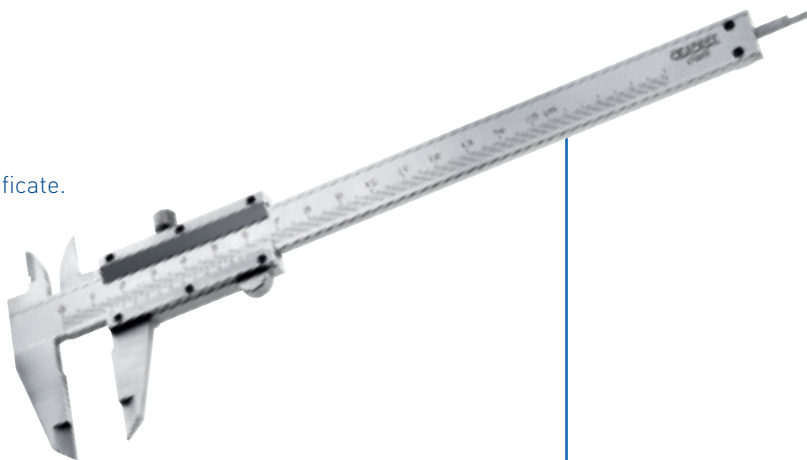


MEASURING - SCRIBING

CALIPER

UNIVERSAL SLIDE RULE 1/20TH - 0.05 MM

- DIN 862
- Accuracy 1/20th - 0.05 mm.
- Measurement capacity: 150 mm.
- Interior, exterior and depth measurement.
- Supplied in protection cover with compliance certificate.



	L mm	Weight g		EAN
E140601	235	185	10	3258951406014

RULE

FLEXIBLE RULE - 200 MM

- Engraved on both sides.
- mm and 1/2mm on each side.

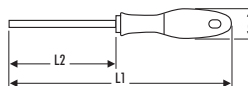


	L mm	Weight g		EAN
E140801	217	12	10	3258951408018

SCRIBERS

SCRIBER

- Anti slip soft grip handle.
- Chrome-plated round blade.
- Sharpened tip.



	L1 mm	L2 mm	d mm	Weight g		EAN
E161114	180	75	32	60	10	3258951611142



STEEL SCRIBERS

CARBIDE PEN SCRIBER - 150 MM

- Carbide pen scriber.
- Hex body with fastener.
- Resharpenable tip.
- Diameter 2.5 mm.



	L mm	Weight g		EAN
E140902	150	35	10	3258951409022

STEEL SCRIBERS - 210 MM

- Tip diameter: 0.4 mm.
- Body diameter: 8 mm.



	L mm	Weight g		EAN
E003601	190	20	10	3258950036014



HAMMERS, PUNCHES AND CHISELS





Hammer Modules

P.178



Hammers

P.178



Sledgehammers

P.180



Dead-blow Hammers

P.181



Mallets

P.181



Punches and Chisels

P.182





IMPACT

IMPACT TOOLS MODULES

HAMMER, PUNCH AND CHISEL SET

- Contains:
- 1 hammer.
- 1 mallet 32 mm.
- 3 drift punches 4, 6, and 8 mm.
- 1 constant profile chisel 24 mm.
- 1 punch 6 mm.
- E150801: Riveting hammer 32, reference: E154668 - empty tray E010501.
- E150802: DIN hammer, reference: E150103 - empty tray E010506.
- E150803: Ball head hammer, reference E150107 - empty tray E010507.

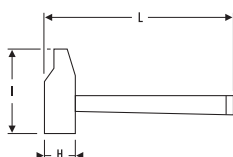


	Quantity	Weight g		EAN
E150801	1	1945	1	3258951508015
E150802	1	1911	1	3258951508022
E150803	1	1610	1	3258951508039

HAMMERS

RIVETING HAMMERS

- ISO 15601
- Head hardness 50-58 HRC.
- Handle-blade connected by clasp.
- Hickory handle.
- Domed head.

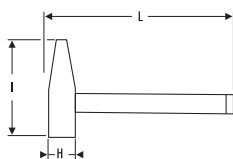


	H mm	L mm	L mm	Weight g		EAN
E154665	25	284	78.5	245	1	3258951546659
E154667	30	304	91.5	530	1	3258951546673
E154668	32	306	98	650	1	3258951546680
E154669	35	309	104	800	1	3258951546697
E154670	40	325	108.5	1020	1	3258951546703
E154672	45	355	126	1600	1	3258951546727
E154673	50	365	135.5	1900	1	3258951546734
E154674	55	370	141	2400	1	3258951546741



DIN HAMMERS

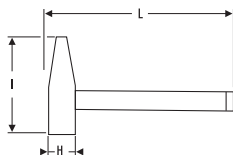
- DIN 1041, ISO 15601
- Head hardness 50-58 HRC.
- Ash handle.
- Conical wedging.



	H mm	L mm	L mm	Weight g		EAN
E150101	19	280	95	300	1	3258951501016
E150102	23	300	105	410	1	3258951501023
E150103	27	320	120	625	1	3258951501030
E150104	33	350	130	960	1	3258951501047
E150105	36	360	135	1180	1	3258951501054

BALL PEIN HAMMERS

- ASME B107.53
- Head hardness 50-58 HRC.
- Hickory handle.



	d mm"	L mm	L mm	Weight g		EAN
E150106	19	275	64	200	1	3258951501061
E150107	23.5	300	82.5	355	1	3258951501078
E150108	30.5	350	101.7	590	1	3258951501085
E150109	35.5	396	120	890	1	3258951501092
E150110	38.5	400	124.5	1110	1	3258951501108



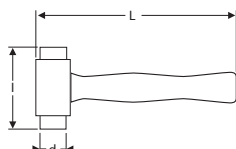


IMPACT

HAMMERS

COPPER RAWHIDE HAMMERS

- Wood handle.
- Heads in copper and rolled leather.



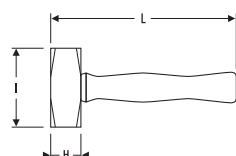
	d mm	L mm	l mm	Weight g		EAN
E151002	32	270	95	680	1	3258951510025
E151003	38	305	105	1135	1	3258951510032
E151004	44	305	120	1590	1	3258951510049



SLEDGEHAMMERS

CANTED HEAD HAMMERS

- ISO 15601
- Head hardness 50-58 HRC.
- Ash handle.
- Conical wedging.



	H mm	L mm	l mm	Weight g		EAN
E150111	40	260	95	1000	1	3258951501115
E150112	43	260	100	1250	1	3258951501122
E150113	45	280	110	1500	1	3258951501139
E150114	50	300	120	2000	1	3258951501146

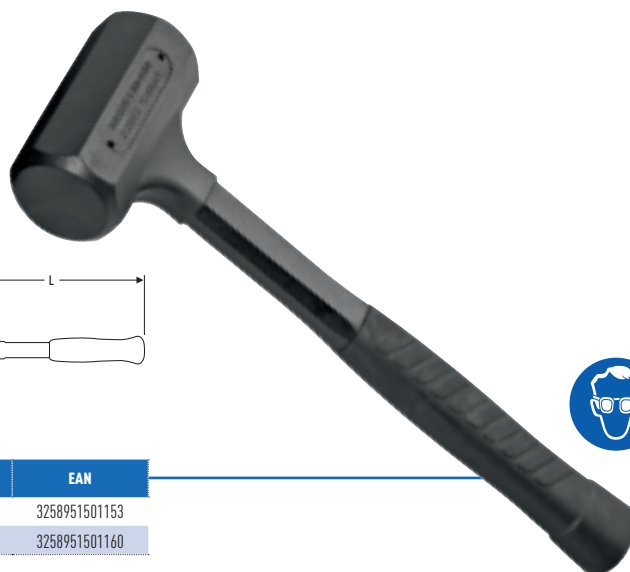
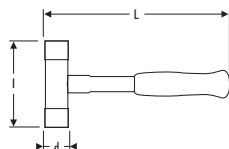




DEAD-BLOW HAMMERS

DEAD-BLOW HAMMERS

- Anti-static SBR (styrene-butadiene rubber).
- Steel balls enable dead-blow action.
- Anti vibration.
- Head hardness shore A80-90.
- Fixed handle: one-piece.

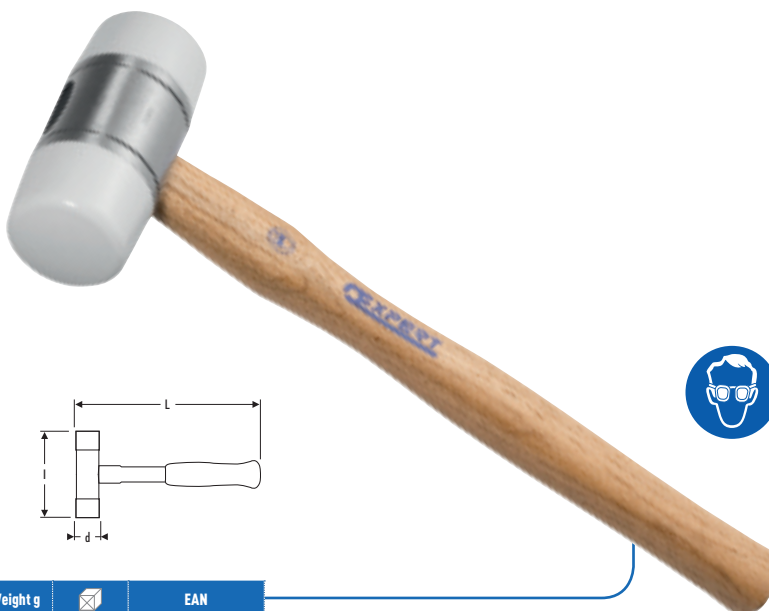
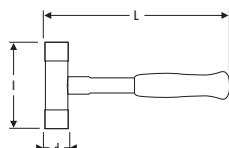


	d mm"	L mm	l mm	Weight g		EAN
E150115	37.4	286	91.5	500	1	3258951501153
E150116	54	370	131.5	1370	1	3258951501160

MALLETS

INTERCHANGEABLE TIP MALLETS

- Head in zinc-plated steel alloy.
- Wood handle.
- 2 Nylon tips.



	d mm"	L mm	l mm	Weight g		EAN
E150301	27	270	90	200	1	3258951503010
E150302	32	290	100	290	1	3258951503027
E150303	40	330	110	600	1	3258951503034
E150304	50	350	115	950	1	3258951503041

NYLON INTERCHANGEABLE TIPS

- Nylon tips hardness shore D66-85.
- Easily changeable.



	d mm"	Weight g		EAN
E150305	27	20	1	3258951503058
E150306	32	33	1	3258951503065
E150307	40	48	1	3258951503072
E150308	50	60	1	3258951503089





IMPACT

PUNCHES AND CHISELS

SET OF 6 DRIFT PUNCHES

→ DIN 6450

→ 6 drift punches 2 to 8 mm.

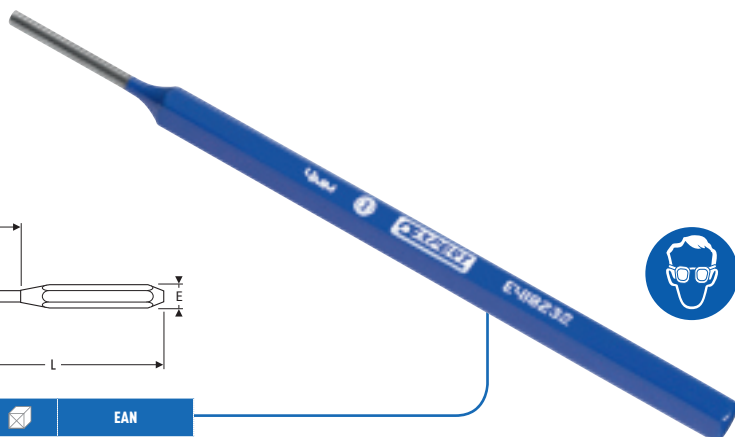
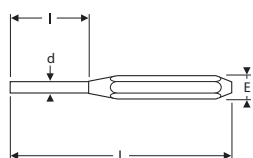


	Quantity	Weight g		EAN
E418226	6	970	1	3258954182267

DRIFT PUNCHES

→ Hardness 48-56 HRc for 2 to 4 mm diameter, and 50-58 HRc for 5 to 8 mm diameter.

→ One-piece for enhanced strength and durability.

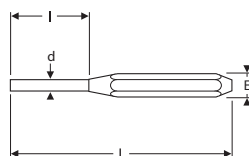


	d mm"	E mm	L mm	l mm	Weight g		EAN
E418230	2	6.3	152	25	35	1	3258954182304
E418231	3	7.9	152	35	52	1	3258954182311
E418232	4	7.9	152	40	55	1	3258954182328
E418233	5	7.9	152	45	55	1	3258954182335
E418234	6	9.5	152	50	75	1	3258954182342
E418235	8	9.5	152	50	85	1	3258954182359

PUNCHES

→ Hardness 34-44 for the impact zone and 50-58 for the tip.

→ One-piece for enhanced strength and durability.

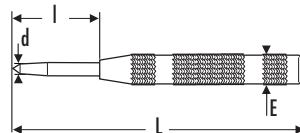


	d mm"	E mm	L mm	l mm	Weight g		EAN
E150501	2.5	9.5	102	25.4	51	1	3258951505014
E150502	4	9.5	102	25.4	53	1	3258951505021
E418227	6	9.5	102	25.4	55	1	3258954182274
E418228	8	11.1	114	25.4	86	1	3258954182281
E418236	10	11.1	127	25.4	100	1	3258954182366



AUTOMATIC CENTRE PUNCHES

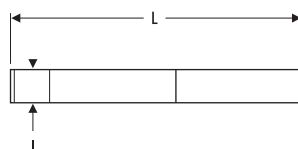
- Hardness 56-61 for the tip.
- Trigger load E150503: 6 to 12.5 kg
- E150504: 12.2 to 18.5 kg.
- Bronze shaft.



	d mm"	E mm	L mm	l mm	Weight g		EAN
E150503	4	14	130	27	72	1	3258951505038
E150504	7	17	151	26.7	133	1	3258951505045

EXTRA FLAT CHISEL 26 MM

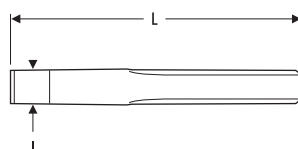
- DIN 7255
- Treated for 54-58 HRC on cutting edge.



	L mm	l mm	Weight g		EAN
E150701	235	26	250	1	3258951507018

CONSTANT PROFILE CHISELS

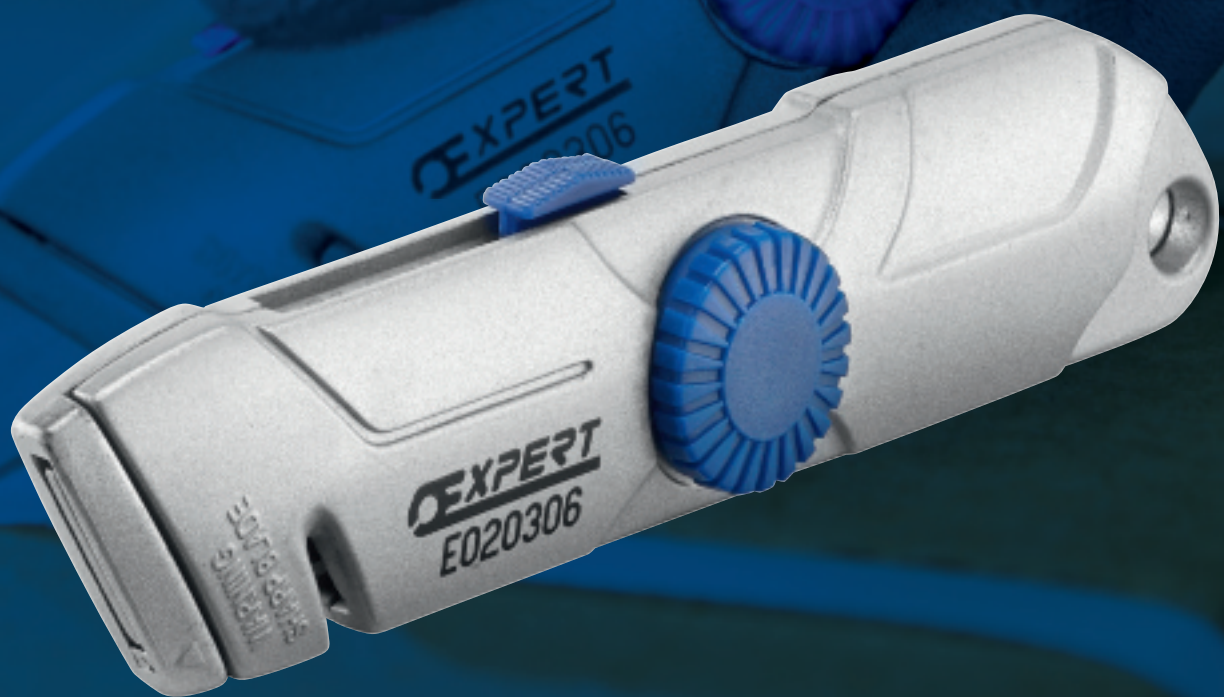
- DIN 7255
- Treated for 54-58 HRC.



	L mm	l mm	Weight g		EAN
E150702	150	21	195	1	3258951507025
E150703	200	24	350	1	3258951507032
E150704	250	27	510	1	3258951507049



CUTTING





Hack Saws

P.186



Files

P.187



Bolt Croppers

P.189



Shears

P.190



Utility Knives

P.192



Safety Knives

P.193



Scissors

P.193



Multi-purpose Cutters

P.193

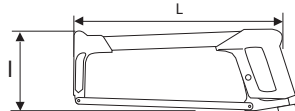




HACK SAWS

HACK SAW - REVOLVER HANDLE

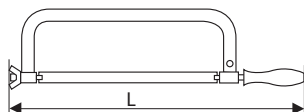
- Revolver handle saw - Tension up to 100Kg
- Cutting capacity 100mm.
- Blade pre-tension by a lever system, Easy adjusting and tightening.
- Delivered with a Bi-metal blade.
- Chrome steel bow - Painted front and rear handles.
- Blade 300 mm.



	L mm	l mm	Weight g		EAN
E115122	376	131	590	1	3258951151228

ADJUSTABLE HACK SAW - WOOD HANDLE

- Epoxy coated metal bow - blade tension up to 80KG
- cutting capacity 100 mm.
- Blade tension at the front of the bow.
- Delivered with one HSS blade.
- Wood handle.
- Blade 300 mm.



	L mm	Weight g		EAN
E115123	455	550	1	3258951151235

300MM BI-METAL HACKSAW BLADE

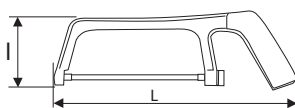
- Spare blade for hacksaws E115122 and E115123.
 - Packaged per 10 units in plastic tube.
 - Order in multiples of 10.
- Example: 20 x E115126 = 20 blades.



	L mm	Weight g		EAN
E115126	300	160	10	3258951151266

MINI SAW

- Bow bracket in lacquered aluminium.
- Light and easy to handle - Ideal for light work on plastic and metal.
- Delivered with one carbon steel blade.
- Plastic handle.
- Blade 155 mm.



	L mm	l mm	Weight g		EAN
E020101	257	94	140	1	3258950201016



150MM METAL HACKSAW BLADE

- Spare blade for mini saw E020101.
 - Packaged per 10 units in plastic tube.
 - Order in multiples of 10.
- Example: 20 x E020103 = 20 blades.



	L mm	Weight g		EAN
E020103	150	120	10	3258950201030

FILES

SET OF 5 SEMI-SOFT FILES

- 1 flat second-cut file 200 mm: E020602
- 1 half-round second-cut file 200 mm: E020604
- 1 round second-cut file 200 mm: E020607
- 1 square second-cut file 200 mm: E020609
- 1 triangular second-cut file 200 mm: E020610



	Quantity	Weight g		EAN
E020613	5	826	1	3258950206134

SET OF 3 SEMI-SOFT FILES

- 1 flat second-cut file 200 mm: E020602
- 1 half-round second-cut file 200 mm: E020604
- 1 round second-cut file 200 mm: E020607



	Quantity	Weight g		EAN
E020612	3	450	1	3258950206127

MODULE OF 4 FILES

- 1 flat bastard file 200 mm: E020603
- 1 half-round second-cut file 200 mm: E020604
- 1 round second-cut file 200 mm: E020607
- 1 square second-cut file 200 mm: E020609
- Empty tray: E010514.



	Quantity	Weight g		EAN
E020611	4	758	1	3258950206110





FILES

FLAT FILES

- Plastic grip.
- A = half-soft. B = bastard.



	Type	Weight g		EAN
E020602	A	180	5	3258950206028
E020603	B	180	5	3258950206035

HALF-ROUND FILES

- Plastic grip.
- A = half-soft. B = bastard.



	Type	Weight g		EAN
E020604	A	164	5	3258950206042
E020605	B	164	5	3258950206059

ROUND FILES

- Plastic grip.
- A = half-soft. B = bastard.



	Type	Weight g		EAN
E020607	A	106	5	3258950206073
E020608	B	106	5	3258950206080

SQUARE SECOND-CUT FILE.

- Plastic grip.
- Second-cut file.



	Type	Weight g		EAN
E020609	A	110	5	3258950206097



TRIANGLE SECOND-CUT FILE

- Plastic grip.
- Second-cut file.



	Type	Weight g		EAN
E020610	A	200	5	3258950206103

BOLT CROPPERS

TUBULAR ARM BOLT CROPPER

- Chrome-molybdenum forged jaws.
- Steel-cutting capacity up to 160kg/mm² flush cut.
- Tubular arms.



	L mm	d mm - 100kg/mm	d mm - 130kg/mm	d mm - 160kg/mm	Weight g		EAN
E195561	300	6	4	3	720	1	3258951955611
E117750	350	8	6	5	1220	1	3258951177501
E117751	450	8	6	6	1580	1	3258951177518
E117752	600	10	8	7	2600	1	3258951177525
E117753	750	11	10	8	3950	1	3258951177532
E117754	900	12	11	9	5450	1	3258951177549
E117755	1050	14	12	10	8100	1	3258951177556

BLADES FOR BOLT CROPPERS

- Delivered with screws.



	Bolt croppers	Weight g		EAN
E195568	E195561	28	1	3258951955680
E117756	E117750	40	1	3258951177563
E117757	E117751	50	1	3258951177570
E117758	E117752	87	1	3258951177587
E117759	E117753	125	1	3258951177594
E117760	E117754	175	1	3258951177600
E195569	E117755	265	1	3258951955697



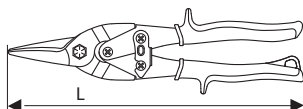
CUTTING

SHEARS

STRAIGHT CUT - LONG REACH AVIATION SHEARS

→ ASME B 107.16M

- Forged blades: built-in spring produces an automatic return separating the blades, guaranteeing comfort over long periods of use.
- Accurate cut: blade slightly serrated to prevent slipping.
- Cutting performance: Stainless steel 80 kg/mm² 0.8 mm
- Semi-soft steel 1.2 mm.
- Comfortable: bi-material sheath - standardised colour code.



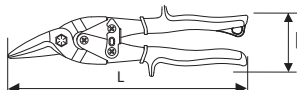
	L mm	l mm	Blade Length mm	Weight g		EAN
E214563	250	52	45	399	10	3258952145639
E020906	290	65	82	400	10	3258950209067



AVIATION SHEARS

→ ASME B 107.16M

- Forged blades - Built-in spring produces an automatic return separating the blades, guaranteeing comfort over long periods of use.
- Accurate cutting, slightly serrated cutting edges prevent workpiece slip.
- Cutting capacity: Stainless steel 80 kg/mm² 0.8 mm
- medium hardness steel 1.2 mm.
- Comfortable: bi-material grip, standardised colour code according to cutting direction:
E020902: Right-hand cut - green.
E020903: Left-hand cut - red.



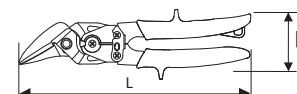
	L mm	l mm	Blade Length mm	Weight g		EAN
E020902	248	52	40	400	10	3258950209029
E020903	248	52	40	400	10	3258950209036



COMPOUND SCROLL SHEARS

→ ASME B 107.16M

- Forged blades - Built-in spring produces an automatic return separating the blades, guaranteeing comfort over long periods of use.
- Standardised colour code according to cutting direction:
E020904: Right-hand cut - green.
E020905: Left-hand cut - red.



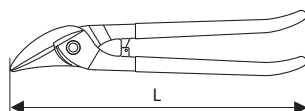
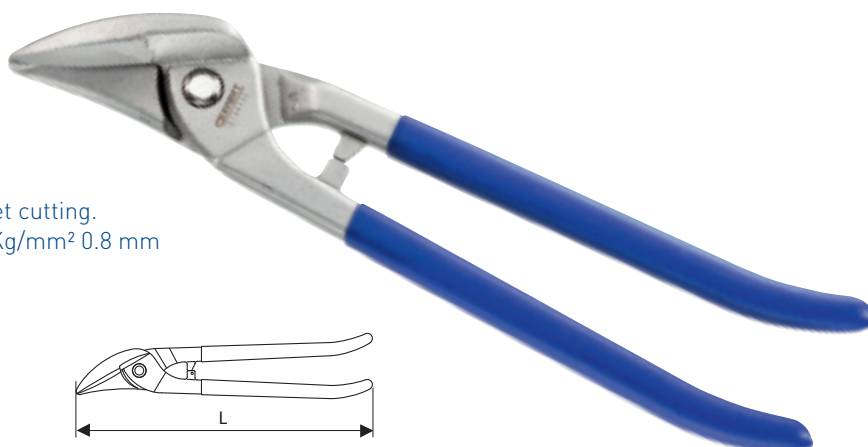
	L mm	l mm	Blade Length mm	Weight g		EAN
E020904	248	65	45	380	10	3258950209043
E020905	248	65	45	380	10	3258950209050





CHAMFER SHEARS - THIN BLADE

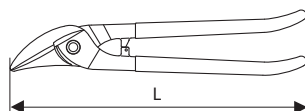
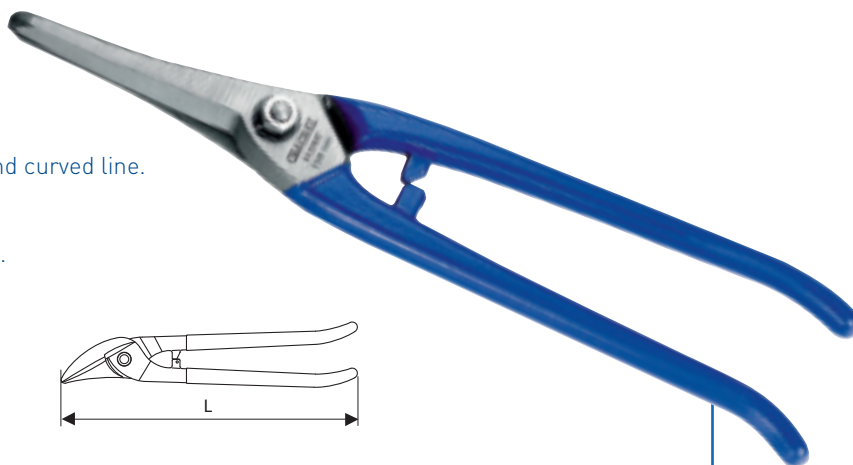
- Forged carbon steel blades.
- Shears designed for accurate metal sheet cutting.
- Cutting performance: Stainless steel 80Kg/mm² 0.8 mm
- Mid-strength steel 1mm.
- PVC sheathed handles.



	L mm	l mm	Blade Length mm	Weight g		EAN
E184195	270	55	42	380	10	3258951841952

UNIVERSAL SCROLL SHEARS

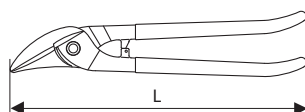
- 2 narrow straight cut blades, in straight and curved line.
- Forged blades in fine allied steel.
- Blade strength 56 - 60 HRC.
- Cutting performance: 120 kg/mm² 1.2 mm.
- Polished blades.
- High quality baked lacquered grips.



	L mm	Weight g		EAN
E020907	250	470	10	3258950209074

SEMI-UNIVERSAL SCROLL SHEARS

- 1 narrow blade, 1 wide blade, straight cut, in straight and curved line.
- Forged blades in fine allied steel.
- Blade strength 56 - 60 HRC.
- Cutting performance: 120 kg/mm² 1.2 mm.
- Polished blades.
- High quality baked lacquered grips.



	L mm	Weight g		EAN
E020908	260	476	10	3258950209081





CUTTING

UTILITY KNIVES

9 MM UTILITY KNIFE

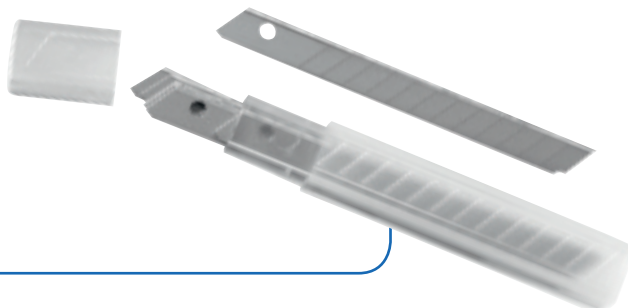
- Snap-off blade.
- Built-in blade snapper.
- Built-in pocket clip.
- Storage for 1 spare blade.
- Supplied with 2 blades.



	L mm	Weight g		EAN
E020301	140	28	10	3258950203010

UTILITY KNIFE BLADES 9 MM

- 10 snap-off blades.



	Weight g		EAN
E020303	35	10	3258950203034

18 MM UTILITY KNIFE

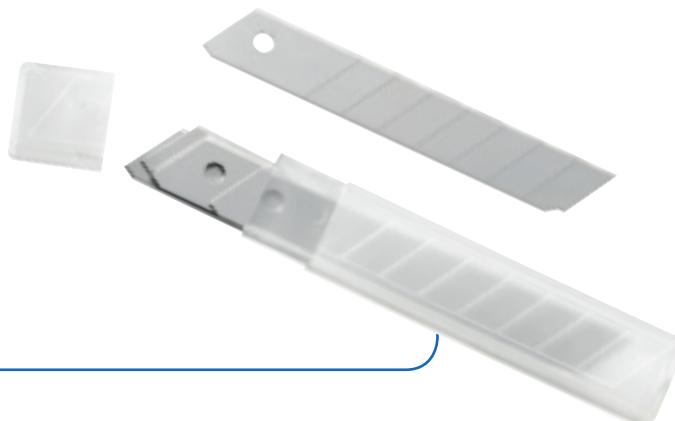
- Snap-off blade.
- Built-in blade snapper.
- Storage for 1 spare blade.
- Supplied with 2 blades.



	L mm	Weight g		EAN
E020302	160	74	10	3258950203027

UTILITY KNIFE BLADES 18 MM

- 10 snap-off blades.



	Weight g		EAN
E020304	92	10	3258950203041



SAFETY KNIVES

SAFETY KNIFE

- Blade automatically retracts after use.
- Supplied with a blade.
- Wire cutting slot.
- Blade hardness: 58 - 62 HRC.



	Weight g		EAN
E020306	130	12	3258950203065

SET OF 12 BLADES



	Weight g		EAN
E020307	48	25	3258950203072

SCISSORS

GENERAL PURPOSE SCISSORS

- Wide straight blade
- Finish: Nickel
- Nylon sheath.



	L mm	Weight g		EAN
E051601	145	100	5	3258950516011

scissors

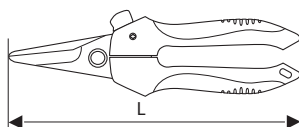
See section Electricity - Electronics p 212.



MULTI-PURPOSE CUTTER

MULTI PURPOSE SHEARS

- Effective: cut all types of materials: cardboard, rubber, PVC, leather 5 mm, thin metal sheet, electric wire.
- Accurate and neat cutting thanks to serrated blades.
- Safe: Locked in closed position.
- Comfortable: bi-material sheath.
- Blade length 58 mm.



	L mm	Weight g		EAN
E020901	190	201	1	3258950209012



LIGHTING





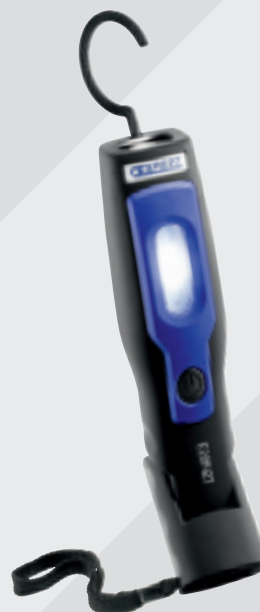
Spot Lamps

P.196



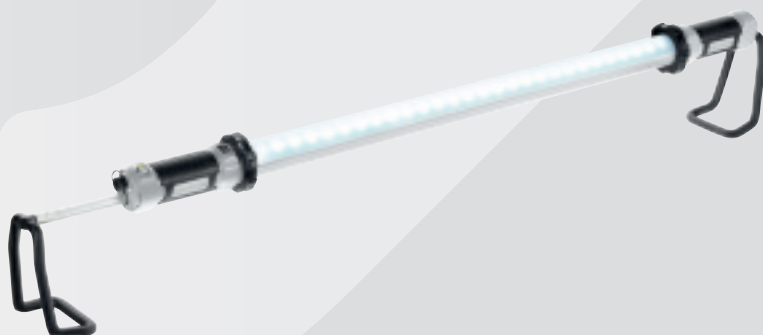
Inspection Lamps

P.198



Bonnet Light

P.200



Flexible Lamps

P.201





PROJECTORS

35W WIRED SPOTLIGHT

- 1 35W COB LED.
- Lighting power: 1200 lumen or 3500 lux at 1.0 m.
- Suspension hook.
- IP 65.
- Can be used with the two holders:
E201424: Floor holder.
E201425: Tripod.
- Dimensions: 250 x 185 x 87 mm.



	Weight g		EAN
E201412	1980	1	3258952014126

15W RECHARGEABLE SPOTLIGHT ON HOLDER

- 1 15W COB LED.
- Two levels of lighting power:
→ 8W: 600 lumen or 350 lux at 1.0 m.
→ 15W: 1200 lumen or 600 lux at 1.0 m.
- Operating time:
8W: up to 7 hours.
15W: up to 3.5 hours.
- Charging time: 3-4 hours.
- Supplied with mains adapter.
- IP 65.
- Floor holder supplied (E201424).
- Alternate holder: Tripod (E201425).
- Dimensions: 187 x 138 x 80 mm.



	Weight g		EAN
E201411	2154	1	3258952014119



ACCESSORIES

- Tripod for 35W wired spotlight E201412 and 15W rechargeable spotlight E201411.
- Adjustable in height.

	Weight g		EAN
E201425	2450	1	3258952014256



ROUND SUPPORT

- Ground support for 35W wired spotlight E201412 and 15W rechargeable spotlight E201411.
- Carrying handle .

	Weight g		EAN
E201424	780	1	3258952014249



INSPECTION LAMPS

STICK LAMP

- Rechargeable inspection stick lamp.
- 1 high performance COB LED.
- 2 power modes:
250 lumens / 70 lux at 1 m.
500 lumens / 140 lux at 1 m.
- Operating time: 2,5 / 5 h.
- Battery indicator.
- IP54.
- Fitted with 2 magnets at the back.
- Hook on the top.
- Supplied with mains adapter cable.
- Li-ion batteries.

	Weight g		EAN
E201431	260	1	3258952014317





INSPECTION LAMPS

ARTICULATED INSPECTION LAMP

- Rechargeable inspection lamp.
- 6 high performances SMD LEDs + 1 SMD tip LED.
- Main lighting power: 200 lumens / 300 lux at 50 cm.
- Tip lighting power: 50 lumens / 450 lux at 50 cm.
- Operating time: 5 h main lighting - 9 h tip lighting.
- Charging time: 4.5 h.
- Flexible magnetic base over 180°.
- Fitted with 2 magnets at the back and 2 folding hooks.
- Supplied with mains adapter and 12V cigarette lighter cable.
- Li-ion batteries.
- Dimensions: 50 x 40 x 250 mm.



	Weight g		EAN
E201427	260	1	3258952014270

PEN LIGHT

- 1 high performance COB LEDs + 1 SMD torch LED.
- Main lighting power: 110 lumens / 50 lux at 1 m.
- Torch lighting power: 70 lumens / 35 lux at 1 m.
- IP54.
- 3 x AAA batteries.



	Weight g		EAN
E201432	135	1	3258952014324



USB RECHARGEABLE PEN LIGHT

- USB rechargeable pen light.
- 6 high performance SMD LEDs + 1 tip LED.
- Main lighting power: 45 lumens or 125 lux at 50 cm.
- Tip lighting power: 3 lumens or 25 lux at 50 cm.
- Operating time: 3 h main lighting - 12 h tip lighting.
- Dimensions: 18 x 33 x 170 mm.

E201406	Weight g		EAN
	60	12	3258952014065



TELESCOPIC LED MIRROR

- Dual LED lighting.
- Expandable size: 290 to 876 mm.
- Rotating head and adaptable angle.
- 1 lithium 3-volt flat battery supplied.

E051401	Weight g		EAN
	115	1	3258950514017



MAGNETIC LED FLEXIBLE CLAW

- 252 mm flexible arm.
- 4 claws.
- LED lighting.
- Powerful magnetic bit.
- 3 LR44 batteries supplied.

E201414	Weight g		EAN
	180	1	3258952014140





INSPECTION LAMPS

MAGNETIC LIGHT

- The light automatically lights up when attached to any metal surface which is conductive.
- Batteries included.
- 2 LEDs.
- V magnet shape to fit with any tools.



	Weight g		EAN
E201426	60	1	3258952014263

LIGHT RAMPS

UNDER BONNET LAMP

- Rechargeable under bonnet lamp.
- 28 high power SMD LEDs.
- 2 power mode: Low / High
- Lighting power:
 - 7W: 550 lumens / 240 lux at 1 m.
 - 15W: 1 150 lumens / 440 lux at 1 m.
- Operating time: 7W: 4 h. 15W: 2,5 h.
- Charging time: 3,5 h.
- Directional beam.
- 2 hooks expandable from 1.14 m to 1.90 m.
- Supplied with mains adapter.
- Li-ion batteries.
- Dimensions: 1138 x 179 x 96 mm.



	Weight g		EAN
E201429	1500	1	3258952014294



FLEXIBLE LAMPS

FLEXIBLE LAMP

- 1 high power SMD LED.
- Lighting power: 250 lumens or 1551 lux at 50 cm.
- Operating time: 15 h.
- Adjustable optic light beam.
- Magnetic base.
- Operates on 2 AAA batteries (not supplied).
- IP 54.
- Dimensions: 40 x 414 mm.

E201409	Weight g		EAN
	350	1	3258952014096



FLEXIBLE UV LAMP

- 7 UV LEDs.
- Operating time: 25 h.
- Magnetic base.
- Operates on 2 AAA batteries (not supplied).
- IP 54.
- Dimensions: 40 x 414 mm.

E201410	Weight g		EAN
	335	1	3258952014102



LED MINI FLEXIBLE LAMP WITH MAGNETIC BASE

- 3 white LEDs 5mm diameter.
- 21 Lumen.
- 150 Lux at 0.5 m.
- Magnetic base.
- Flexible body: 440 mm
- Operates on 3 LR44 batteries (supplied).
- Dimensions: 367 x 7.5 mm.

E201413	Weight g		EAN
	90	1	3258952014133



PIPEWORK - MAINTENANCE - PULLERS





Maintenance

P.204



Pipework

P.208



Pullers

P.211





MAINTENANCE

MAINTENANCE SUITCASE

- For mobile maintenance.
- 124 pcs.



	Dimension mm	Weight kg		EAN
E034806	L.565 x P.415 x H.92	8,30	1	3258950348063

SCRAPER

- Plastic grip.
- Metal blade holder.
- Replaceable blades.
- Supplied with 1 blade.



	Weight g		EAN
E201519	310	1	3258952015192

SPARE SCRAPER BLADES

- For scrapers E201519 and E201209.
- In 5-blade box.

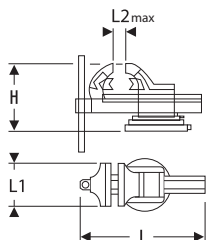


	Weight g		EAN
E201520	12	1	3258952015208



VICES

- Forged, robust steel construction for maximum durability.
- Integrated anvil.
- Precision machining.



	H mm	L mm	L1 mm	L2 mm	Weight kg		EAN
E090401	148	305	104	100	7.5	1	3258950904016
E090402	165	365	129	125	11	1	3258950904023
E090403	187	406	154	150	14	1	3258950904030
E090404	205	500	205	200	18.5	1	3258950904047

LADY FOOT PRY BARS

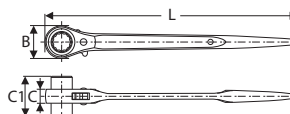
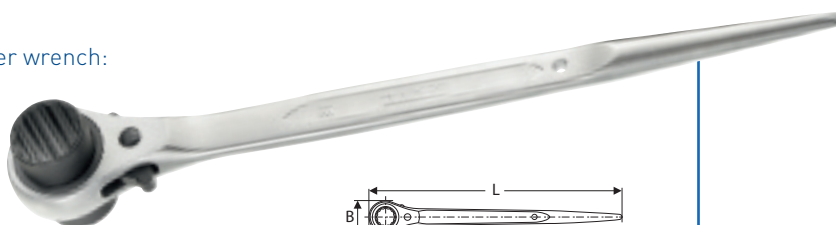
- Forged in chrome alloy steel.
- The head's shape provides a support point for higher strength.



	L mm	Weight g		EAN
E150901	300	234	1	3258951509012
E150902	413	480	1	3258951509029

SCAFFOLDING WRENCHES

- Designed for working on scaffolding.
- 32 tooth mechanism.
- Direction change by reversing lever.
- Double sided mechanism for two sizes per wrench:
E110961: 17 x 19 mm.
E110962: 21 x 22 mm.
- Finish: Zinc.



	B mm	C mm	C1 mm	L mm	Weight g		EAN
E110961	40.7	17	50	309	430	1	3258951109618
E110962	40.7	17	50	309	714	1	3258951109625



MAINTENANCE

GLASS CUTTER

- Acetate body.
- Nickel-plated steel head.
- Supplied with 5 rollers in the drum.



	L mm	Weight g		EAN
E020305	135	34	1	3258950203058

RIVETING PLIERS 270 MM

- 90° nose.
- 4 interchangeable nozzles diameter: 2-3-4-5 mm.
- Automatic ejection of the rivet pin.
- Built-in nozzle key.
- Durable steel construction.



	L mm	Weight g		EAN
E169804	200	572	1	3258951698044

HOLLOW-PUNCH GUN

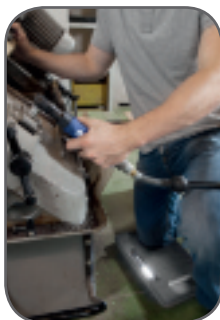
- For diameters: 3-3,2-3,5-4-4,5-5.
- For leather, fabric, rubber...
- Finish: chromed.



	L mm	Weight g		EAN
E090303	220	280	1	3258950903033

KNEE PROTECTION PAD

- Two lamps can be inserted to lighten the appropriate work area.
- Surface treated to withstand fluids and repeated use.
- Carrying handle.
- Size adapted to storage in a fabric tool bag or the roller back pack.
- Dimensions: L.428 x D.250 x H.32 mm.



	Weight g		EAN
E200131	160	1	3258952001317



OIL CANS

- Vacuum pump.
- Rigid pipe with copper nozzle.



	Contentant	Weight g	☐	EAN
E090701	300 ml	215	1	3258950907017
E090702	500 ml	310	1	3258950907024

GREASE GUN

- Pressure: 400 bar.
- Rigid pipe.
- Hose (L. 230 mm D. 14 mm).
- Use with grease cartridge or bulk grease.
- Capacity 500cm³ or 400g.



	Weight g	☐	EAN
E090705	1145	1	3258950907055

SILICON GUN

- Ideal for wind shield glue cartridges or berlingots.
- Aluminium tube.
- Ergonomic handle.



	Weight g	☐	EAN
E090703	875	1	3258950907031

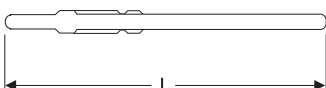
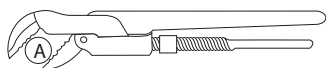




PIPEWORK

45° SWEDISH TYPE PIPE WRENCHES

- Chrome vanadium steel body.
- Jaws tilted at 45 degrees.
- Varnished.

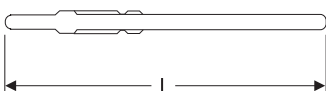
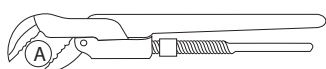


	A max "	A max mm	L mm	Weight g		EAN
E090106	1/2"	40	270	480	1	3258950901060
E090107	1"	60	340	800	1	3258950901077
E090108	1 1/2"	65	430	1400	1	3258950901084
E090109	2"	85	550	2350	1	3258950901091



90° SWEDISH TYPE PIPE WRENCHES

- Chrome vanadium steel body.
- Jaws tilted at 90° degrees.
- Varnished.

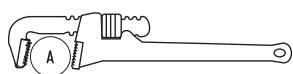
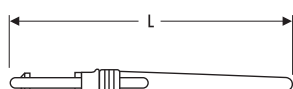


	A max "	A max mm	L mm	Weight g		EAN
E090110	1"	65	330	800	1	3258950901107
E090111	1 1/2"	85	420	1350	1	3258950901114
E090112	2"	100	540	2500	1	3258950901121
E090113	3"	150	630	4200	1	3258950901138



ALUMINIUM PIPE WRENCHES

- Aluminium body.
- Forged steel fixed jaw.
- Varnished.



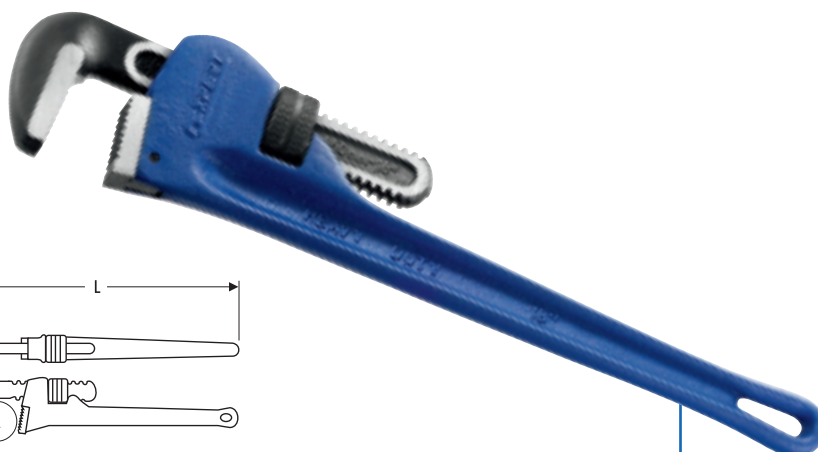
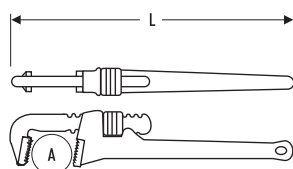
	A max "	A max mm	L mm	Weight g		EAN
E090114	2 1/2"	76	450	1340	1	3258950901145
E090115	3"	90	600	2230	1	3258950901152
E090116	5"	142	900	4000	1	3258950901169





PIPEWORK WRENCHES

- Cast-iron body.
- Forged steel jaw.
- High frequency treatment of the jaws for high resistance and perfect tube gripping.



	A max "	A max mm	L mm	L "	Weight kg		EAN
E117820	1"	26	200	8	0,40	1	3258951178201
E117821	1 1/4"	33	250	10	0,78	1	3258951178218
E117822	1 3/4"	48	350	14	1,50	1	3258951178225
E117823	2 1/4"	60	450	18	2,40	1	3258951178232
E117824	2 3/4"	75	600	24	4	1	3258951178249
E117825	4"	102	900	36	9	1	3258951178256

TUBE CLAMPING PLIERS

- ISO 8976.
- 7 adjustment positions.
- Finish: painted stainless steel.



	L mm	Jaw depth mm	Weight g		EAN
E090105	250	33	350	1	3258950901053

GAS PLIERS

- Pliers for tightening tubes of different diameters (4 à 30 mm).
- Finish: polished head, lacquered branches.



	L mm	Weight g		EAN
E090104	230	380	1	3258950901046





PIPEWORK

UNIVERSAL STRAP WRENCH

- Rubber strap.
- For diameter from 30 to 160 mm.

	Weight g		EAN
E200240	341	1	3258952002406



CHAIN WRENCH

- Steel chain.
- For diameter from 30 to 160 mm.

	Weight g		EAN
E200241	421	1	3258952002413



STRAP WRENCHES

- Aluminum body.
- Nylon strap.

	A max "	A max mm	L mm	Weight g		EAN
E117827	125	4	315	290	1	3258951178270
E117828	165	6	315	310	1	3258951178287



SPARE STRAPS

	Clés à sangle		EAN
E090101	E117827	1	3258950901015
E090102	E117828	1	3258950901022

COPPER-PIPE CUTTER

- Tube cutting capacity Ø 16 mm max [E117829].
- Tube cutting capacity Ø 32 mm max [E117830].
- Easy knob adjustment.
- Built-in deburring.
- Delivered with spare blade.



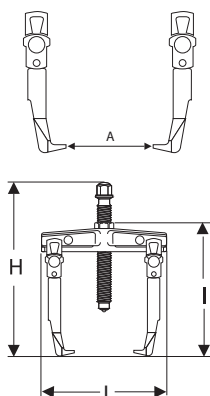
	L mm	Weight g		EAN
E117829	55	120	1	3258951178294
E117830	140	300	1	3258951178300



PULLERS

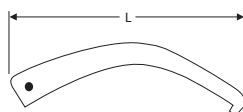
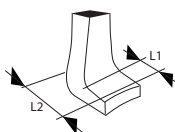
2-LEG PULLER

- Convertible to inside or outside gripping with the same leg.
- Made in chrome vanadium steel.
- Finish: chromed.



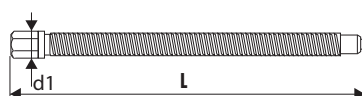
	L x l x H mm	A mm	B mm	T kN	Griffes	Vis	Weight kg	☐	EAN
E096002	115 x 105 x 133	65	14	15	E096007	E096010	0.4	1	3258950960029
E096003	146 x 155 x 182	90	17	30	E096008	E096011	0.9	1	3258950960036
E096004	186 x 155 x 182	130	17	30	E096009	E096011	1	1	3258950960043
E096005	247 x 233 x 283	175	22	40	E096009	E096012	2.8	1	3258950960050
E096006	297 x 233 x 283	220	22	40	E096009	E096012	3	1	3258950960067

LEGS



	L mm	L1 mm	L2 mm	Weight g	☐	EAN
E096007	100	10	16	82	1	3258950960074
E096008	155	15	24	187	1	3258950960081
E096009	225	22	33	554	1	3258950960098

SCREW



	L mm	d1 mm	Weight g	☐	EAN
E096010	135	14	150	1	3258950960104
E096011	183	17	199	1	3258950960111
E096012	283	22	434	1	3258950960128



ELECTRICITY - ELECTRONICS





Crimping

P.214



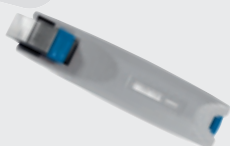
Cable cutter

P.214



Sheath strippers

P.215



Wire strippers

P.215



1000 V insulated pliers

P.216



1000 V insulated screwdrivers

P.218



Tester screwdriver

P.220



Electricians knives

P.220



Electricians scissors

P.220



Precision screwdrivers

P.222



Tweezers

P.223



Electronic pliers

P.224





CRIMPING

CRIMPING PLIERS

- For insulated crimps 0,4 to 6mm².
- For terminals with PVC, PC and polyamide insulators.
- Double crimping to crimp the contact and insulator in a single operation.
- Bi-material handle for better comfort.



	Lmm	Weight g		EAN
E050301	235	568	1	3258950503011

CRIMPING PLIERS FOR NON INSULATED TERMINALS

- Three impression die from 0.5 to 6mm².
- For non insulated terminals.
- Bi-material handle.



	Lmm	Weight g		EAN
E050302	235	480	1	3258950503028

CRIMPING PLIERS

- Crimping pre-insulated plugs 1.5 2.5 6mm² max and tubular lugs from 1.5 to 6mm² max.
- Strips wires from 0.75 to 6mm² max.



	Lmm	Weight g		EAN
E117903	220	260	1	3258951179031

CABLE CUTTER

COPPER CABLE CUTTER

- ISO 5749
- Cutting capacity: copper wires 12mm max diameter.
- Bi-material handle.



	Weight g		EAN
E189874	270	1	3253561898747



SHEATH STRIPPERS

SHEATH STRIPPERS

- Swivel blade for circular and longitudinal cutting.
- Plasticgrip.
- Supplied with a spare blade in the grip.
- Maximum capacity: $\varnothing$ 28mm.



E050103	Lmm	Weight g		EAN
	140	65	1	3258950501031

SPARE BLADE

- For sheath strippers E050103.



E050104		EAN
	1	3258950501048

WIRE STRIPPERS

AUTOMATIC WIRE STRIPPER

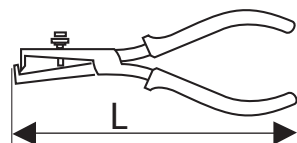
- Crimping pre-insulated terminals: 0.5 to 6mm²
- Crimping for bare terminals: 0.5 to 2.5mm² and 4 to 6mm²
- Adjusts automatically for cables from 0.2 to 6mm.
- Wire cutter function.



E050105	Lmm	Weight g		EAN
	216	270	1	3258950501055

WIRE STRIPPER 170MM

- Perfect to strip multiple and single strand wires from 0.75 to 6mm².
- Ergonomic handle for higher comfort.
- Made in France.



E050106	Lmm	Weight g		EAN
	170	185	1	3258950501062





1000 V INSULATED PLIERS

ENGINEERS CUTTING PLIERS - INSULATED 1000V - VDE

- IEC EN 60900 - DIN ISO 5745
- Compact head to offer perfect accessibility in confined spaces (electric cabinets).
- Cutting edges designed to guarantee best performance on soft wire (copper) and semi-hard wire.
- Ergonomic handle for comfortable use during highly repetitive cutting.
- E050406 Piano Wire Max 1.6mm 220kg/mm²
- E050407 Piano Wire Max 1.8mm 215kg/mm²
- Made in France.



	Lmm	Weight g		EAN
E050406	160	200	1	3258950501062
E050407	180	260	1	3258950504070

1/2 ROUND - STRAIGHT NOSE PLIERS - INSULATED 1000V - VDE

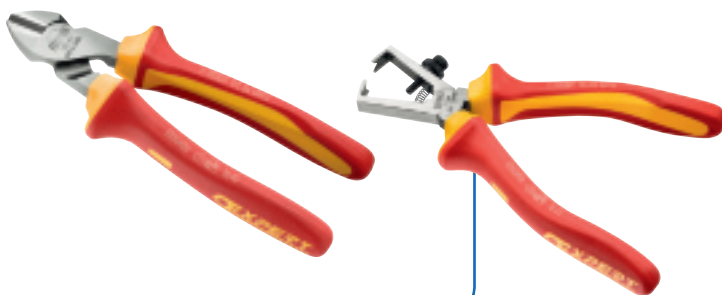
- IEC EN 60900 - DIN ISO 5745
- Thin nose ensuring optimum access when used in a confined environment (electric cabinets).
- Thin serrated nose with lateral wire cutter - Max 1.6mm 160kg/mm².
- Ergonomic handle for comfortable use during long and highly repetitive cutting.
- Made in France.



	Lmm	Weight g		EAN
E050408	160	177	1	3258950504087
E050409	200	192	1	3258950504094

2 PIECE PLIER SET - 1000V INSULATED - VDE

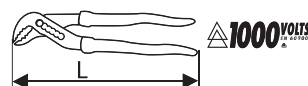
- IEC EN 60900
- Contains:
 - 160mm VDE Diagonal Cutting Pliers: E050406
 - 170mm VDE Wire Stripping Pliers: E050416
- Made in France.



	Quantity	Weight g		EAN
E050504	2	565	1	3258950505046

MULTIGRIP PLIERS - 1000V INSULATED - VDE

- IEC EN 60900 - DIN ISO 8976
- 6 positions for optimum adjustment.
- Maximum jaw capacity 36mm
- Bi-material ergonomic handle.
- Varnish finish.
- Made in France.

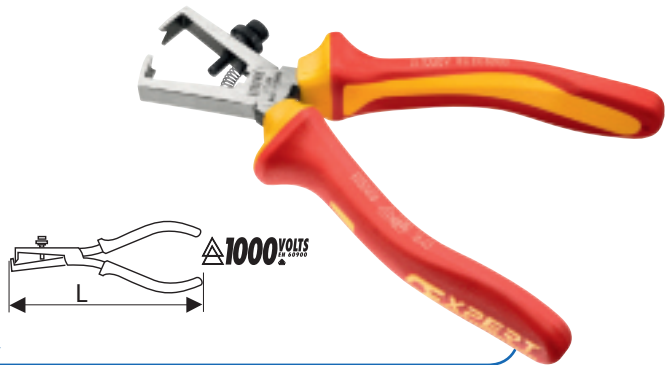


	Lmm	Weight g		EAN
E050415	240	365	1	3258950504155



WIRE STRIPPER 170MM - 1000V INSULATED - VDE

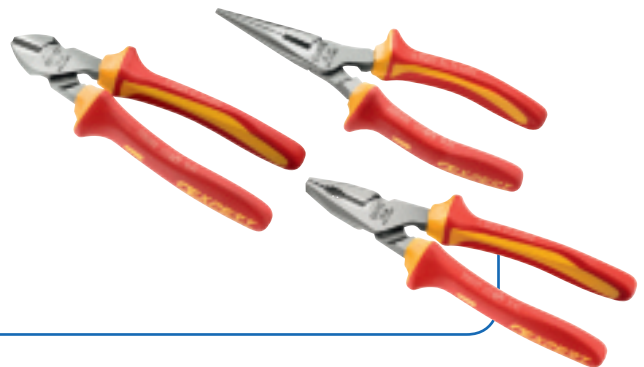
- IEC EN 60900
- Perfect to strip multiple and single strand wires from 0.75 to 6mm².
- Ergonomic handle for enhanced comfort.
- Made in France.



	Lmm	Weight g		EAN
E050416	160	185	1	3258950504162

3 PIECE PLIER SET - 1000V INSULATED - VDE

- IEC EN 60900
- Contains:
 - 160mm VDE Diagonal Cutting Pliers: E050406
 - 160mm VDE Straight Nose Pliers: E050408
 - 180mm VDE Combination Pliers: E050413
- Made in France.



	Quantity	Weight g		EAN
E050502	3	730	1	3258950505022

1/2 ROUND NOSE - 40° ANGLED PLIERS - INSULATED 1000V - VDE

- IEC EN 60900 - DIN ISO 5745
- Thin nose ensuring optimum access when used in a confined environment (electric cabinets).
- Thin serrated nose with lateral wire cutter - Max 1.6mm 160kg/mm².
- Ergonomic handle for comfortable use during long and highly repetitive cutting.
- Made in France.



	Lmm	Weight g		EAN
E050410	160	177	1	3258950504100
E050411	200	192	1	3258950504117

COMBINATION PLIERS - INSULATED 1000V - VDE

- IEC EN 60900 - DIN ISO 5745
- Designed to cover all gripping and cutting applications.
- Cutting edges designed to cut all types of wires (Soft, mid-hard, hard wire).
- Ergonomic handle for better comfort in long and repetitive use.
- E050412 Piano Wire Max 1.6mm 220kg/mm²
- E050413 Piano Wire Max 1.8mm 215kg/mm²
- E050414 Piano Wire Max 2.0mm 210kg/mm²
- Made in France.



	Lmm	Weight g		EAN
E050412	160	195	1	3258950504124
E050413	180	225	1	3258950504131
E050414	200	300	1	3258950504148





1000 V INSULATED SCREWDRIVERS

SET OF 10 1000 V INSULATED SCREWDRIVERS

→ EN 60900

- Screwdrivers for slotted head screws: 2.5 x 50 - 3.5 x 75 - 4 x 100 - 5.5 x 150mm.
- Pozidriv® screwdrivers: PZ1 x 100 - PZ2 x 125.
- Phillips® screwdrivers: PH0 X 75 - PH1 x 100 - PH2 x 125.
- 100/500 V tester screwdriver.



	Quantity	Weight g		EAN
E160912	10	670	5	3258951609125



SET OF 6 SCREWDRIVERS - 1000V INSULATED

→ EN 60900

- Screwdrivers for slotted head screws: 2.5 x 50 - 3.5 x 75 - 4 x 100 - 5.5 x 150mm.
- Phillips® screwdrivers: PH1 x 100 - PH2 x 125.



	Quantity	Weight g		EAN
E160910	6	430	5	3258951609101



SET OF 6 SCREWDRIVERS - 1000V INSULATED

→ EN 60900

- Screwdrivers for slotted head screws: 2.5 x 50 - 3.5 x 75 - 4 x 100 - 5.5 x 150mm.
- Pozidriv® screwdrivers: PZ1 x 100 - PZ2 x 125.



	Quantity	Weight g		EAN
E160911	6	430	5	3258951609118

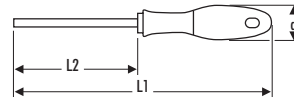
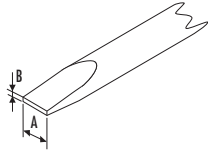




1000 VOLT INSULATED SCREWDRIVERS FOR SLOTTED HEAD SCREWS

→ CEI 60900 - ISO 2380 - 1 - ISO 2380 - 2

- Tri-material ergonomic handle for comfortable and reliable screwing.
- Screw head colours code: red.
- Each product is tested under 10,000 Volts.
- Round hardened blade with orange PVC insulation.

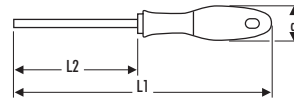
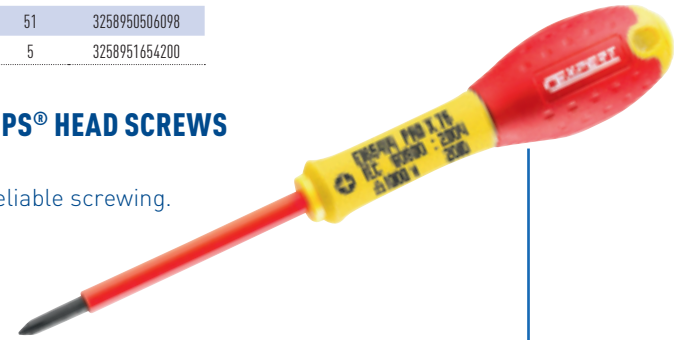
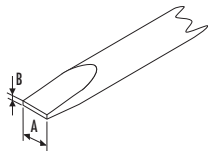


	A x L2 x Bmm	L1mm	dmm"	Weight g		EAN
E165410	2,5 x 50 x 0,4	149	20	18	5	3258951654101
E165413	2,5 x 50 x 0,4	255	32	84	5	3258951654132
E165411	3,5 x 75 x 0,6	177	27	38	5	3258951654118
E050608	3,5 x 100 x 0,6	202	27	40	1	3258950506081
E165412	4,0 x 100 x 0,8	202	27	43	5	3258951654125
E050609	4,0 x 150 x 0,8	252	27	48	51	3258950506098
E165420	6,5 x 150 x 1,2	266	40	134	5	3258951654200

1000 VOLT INSULATED SCREWDRIVERS FOR PHILLIPS® HEAD SCREWS

→ CEI 60900 - ISO 2380 - 1 - ISO 2380 - 2

- Tri-material ergonomic handle for comfortable and reliable screwing.
- Screw head Colour code: yellow.
- Each product is tested under 10,000 Volts.
- Round hardened blade with orange PVC insulation.

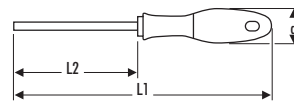
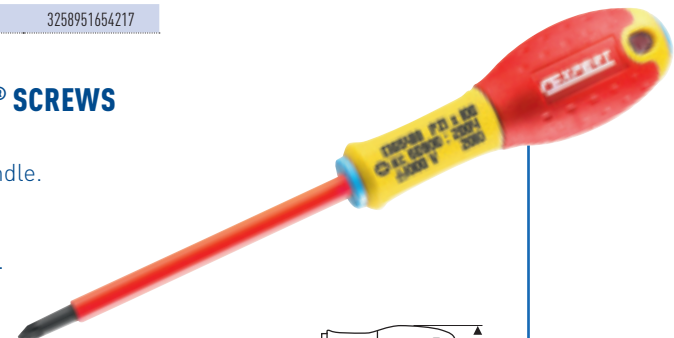
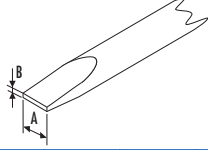


	L1mm	L2mm	dmm"	Weight g		EAN
E165414	177	75	27	40	5	3258951654149
E165415	205	100	32	68	5	3258951654156
E165416	230	125	32	89	5	3258951654163
E165421	355	150	40	123	5	3258951654217

1000 V INSULATED SCREWDRIVERS FOR POZIDRIV® SCREWS

→ CEI 60900 - ISO 2380 - 1 - ISO 2380 - 2

- Tri-material ergonomic comfortable and effective handle.
- Bit colour code: blue.
- Each product is tested to 10,000 Volts.
- Round burnished blade with insulation in orange PVC.



	L1mm	L2mm	dmm"	Weight g		EAN
E165418	205	100	32	68	5	3258951654187
E165419	230	125	32	89	5	3258951654194
E165417	177	75	27	40	5	3258951654170
E165422	355	150	40	123	5	3258951654224





TESTER SCREWDRIVER

TESTER SCREWDRIVER

- 100/250V
- Blade dimension: 3x66mm.

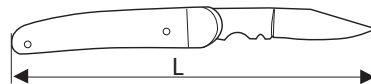


	Weight g		EAN
E161101	22	60	3258951611012

ELECTRICIANS KNIVES

ELECTRICIANS KNIFE WITH WIRE STRIPPER

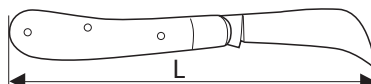
- Blade with 2 notches for stripping and cutting.
- Stainless steel blade.
- Wooden handle.



	Lmm	Weight g		EAN
E117762	180	77	1	3258951177624

SINGLE-BLADE ELECTRICIANS KNIFE

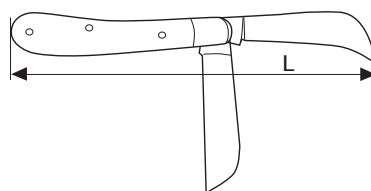
- Stainless steel billhook blade 60mm.
- Wooden handle.



	Lmm	Weight g		EAN
E117763	170	85	1	3258951177631

DUAL-BLADE ELECTRICIANS KNIFE

- Stainless steel billhook blade 60mm.
- Stainless steel straight blade 80mm.
- Wooden handle.



	Lmm	Weight g		EAN
E117767	170	115	1	3258951177679



ELECTRICIAN'S SCISSORS

ELECTRICIANS SCISSORS

- Reinforced short blade with wire cutter.
- Material: carbon steel.
- Polished chrome finish.
- PVC sheathed handle.



	Lmm	Weight g		EAN
E117764	150	117	1	3258951177648

BI-MATERIAL HANDLE SCISSORS

- Long blade with a wire cutter notch.
- Material: stainless steel.
- Bi-material handle.



	Lmm	Weight g		EAN
E184280	145	62	1	3258951842805

SCISSORS

See Section Cutting p 193.



SOLDERING

SOLDERING IRON

- Supplied with flame and 1.2mm ø tip.
- Rechargeable butanegas burner.
- Supplied with operating instructions.
- Supplied with blowlamp tip.



	Lmm	dmm"	Weight g		EAN
E090501	170	19	70	1	3258950905013

SPARE TIPS

	dmm"	Weight g		EAN
E090502	1,2	6	1	3258950905020





PRECISION SCREWDRIVERS

SET OF 6 PRECISION SCREWDRIVERS

- For slotted head screws: 2.0 x 40 - 2.5 x 40 - 3.0 x 40.
- For Phillips® screws: PH 000 - PH 00 - PH 0.



	Quantity	Weight g		EAN
E161102	6	155	1	3258951611029

MULTI-BIT MICRO SCREWDRIVERS SET

- Plastic case set including:
- 1 micro screwdriver bit handle.
- 6 slotted head bits: 1.2-1.5-1.8-2-2.5
- 2 Phillips® bits: PH000-PH00.



	Weight g		EAN
E161109	80	1	3258951611098



TWEEZERS

LONG STRAIGHT TWEEZERS - 160MM

- Straight serrated tips.
- Fine polish stainless steel.
- Blue PVC coating.



	Lmm	Weight g		EAN
E501201	160	44	1	3258955012013

LONG ANGLED TWEEZERS - 155MM

- 35° angled serrated tips.
- Fine polish stainless steel.
- Blue PVC coating.



	Lmm	Weight g		EAN
E501202	155	44	1	3258955012020

STRAIGHT MODEL TWEEZERS

- Straight serrated tips.
- Anti-magnetic - acid-proof stainless steel.



	Lmm	Weight g		EAN
E501203	120	12	1	3258955012037





ELECTRONIC PLIERS

STRAIGHT SLIM-PROFILE NOSE PLIERS

- Smooth nose for better part protection.
- Slim profile nose for excellent accessibility.
- Soft Bi-material sheathing for good grip.



	Lmm	Weight g		EAN
E117877	132	25	1	3258951178775



FLAT-NOSE PLIERS

- Serrated nose for proper part gripping.
- Very strong nose.
- Soft bi-material comfort grip handle.



	Lmm	Weight g		EAN
E117883	137	20	1	3258951178836



BEND NOSE PLIERS

- Smooth nose for better part protection.
- Thin nose for excellent access.
- Soft bi-material comfort grip handle.



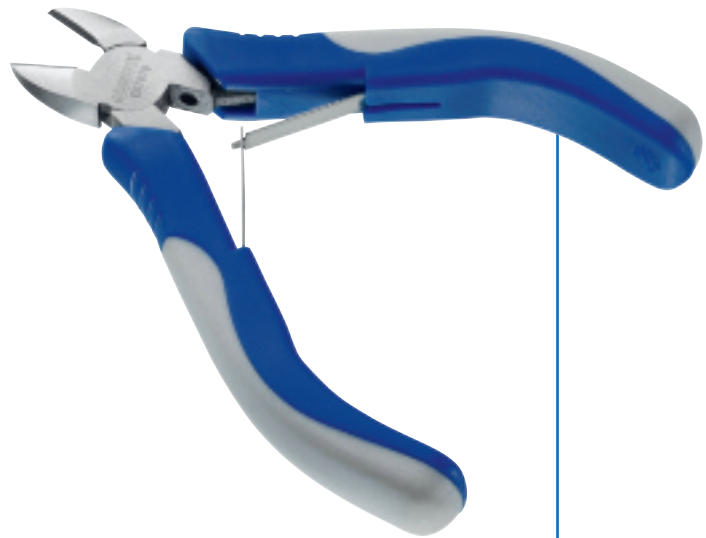
	Lmm	Weight g		EAN
E117878	133	35	1	3258951178782





COARSE AXIAL CUTTING PLIERS

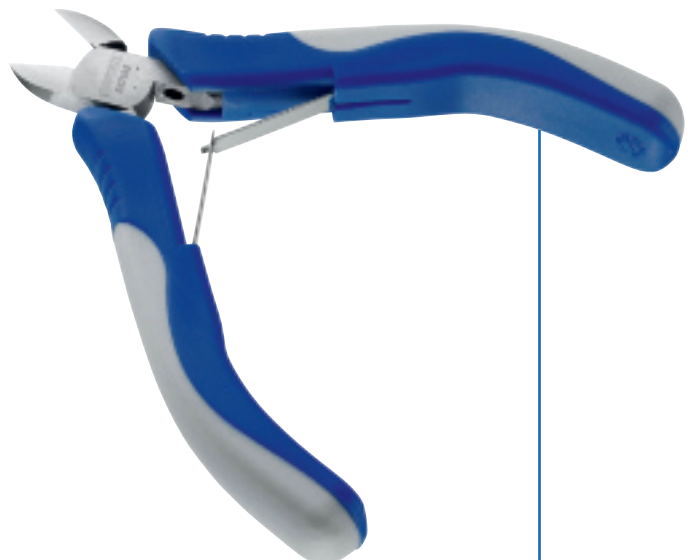
- Bullet head for high strength.
- Excellent cutting versatility.
- Soft bi-material comfort grip handle.



	Lmm	d mm piano wire	d mm steel wire	Weight g		EAN
E117879	115	0.8	1	64	1	3258951178799
E117880	110	0.5	0.8	64	1	3258951178805

FINE FLUSH CUTTING PLIERS

- Slim head for perfect accessibility.
- Neat and precise cut.
- Soft Bi-material sheathing forgoodgrip.



	Lmm	Weight g		EAN
E117882	110	20	1	3258951178829



AUTOMOTIVE TOOLING





Workshop equipment

P.228



Oil change-filtration

P.232



Spark plugs

P.237



Auto electrics

P.239



Engine

P.243



Brakes

P.248



Suspension

P.250



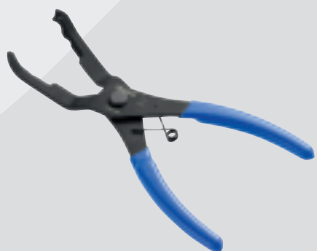
Wheels

P.251



Bodywork

P.255



Windshield

P.257





WORKSHOP EQUIPMENT

CRIC 3T

- Minimum height under body 140mm, max lift 520mm.
- Metal wheels.
- Conformité CE.
- Dimensions: 720x345x185mm.



	Capacity T	Weight kg		EAN
E200141	3	36,7	1	3258952001416

PROFESSIONAL SPRAYER

- Sprayer function.
- Up to 3 bars pressure.
- 5L capacity.
- Brush for car wash.



		EAN
E200140	1	3258952001409

4-WHEEL TROLLEY

- Loading capacity: 150 kg.
- Foldable.
- Anti-slip surface.
- Castor wheels.
- Dimensions : 815 x 738 x 479mm.



		EAN
E200135	1	3258952001355

STACK TROLLEY

- Loading capacity: 200 kg.
- Swivelling handles.
- Pneumatic tires.
- Dimensions : 425 x 555 x 1130mm.

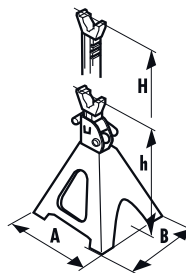


		EAN
E200136	1	3258952001362



PAIR OF AXLE STANDS

- Ratcheting bar system.
- Strong welded construction.
- Large feet for more stability.



	Capacity T	Amm	Bmm	Hmm	Weight kg	☐	EAN
E200143	3	206	188	423	6,40	1	3258952001430
E200144	6	294	262	620	13,7	1	3258952001447
E200145	12	382	336	770	32	1	3258952001454

KNEE PROTECTION PAD

- Two lamps can be inserted to lighten the appropriate work area.
- Surface treated to withstand fluids and repeated use.
- Carrying handle.
- Size adapted to storage in a fabric tool bag or the roller back pack.
- Dimensions: L.428 x D.250 x H.32mm.



	Weight g	☐	EAN
E200131	160	1	3258952001317

INSPECTION CREEPER

- 6 wheels.
- Foam head rest.
- 2 tool storage trays.
- Resistant to hydrocarbons, washable.
- Dimensions: W.480 x D.1030 x H.115mm.



	Weight kg	☐	EAN
E200114	4,6	1	3258952001140

SET OF 2 ROLLERS FOR INSPECTION TROLLEY

- For inspection trolley E200114.



	Weight g	☐	EAN
E200124	190	1	3258952001249





WORKSHOP EQUIPMENT

WING COVER

- Sewn in tool ridge to place essential tools safely & conveniently.
- Protects the bodywork from scratches.
- Thick hydrocarbon-resistant vinyl.
- Dimensions: L.86 x W.66 cm.



	Weight g		EAN
E200116	700	1	3258952001164

FLUID EXTRACTOR

- Capacity 9.5 L.
- Suited for extracting lubricants.
- Pneumatic pump (for use in workshop) or hand pump (for use on roadside).
- Transparent body.
- Maintenance-free.
- Supplied with 4 adapters.
- Supplied with instructions.

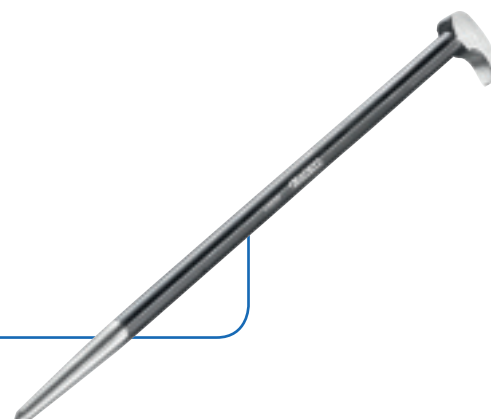


	Weight kg		EAN
E200512	4,51	1	3258952005124

LADY FOOT PRY BARS

- Forged in chrome alloy steel.
- The head's shape provides a support point for higher strength.

	Lmm	Weight g		EAN
E150901	300	234	1	3258951509012
E150902	413	480	1	3258951509029





TELESCOPIC LED MIRROR

- Dual LED lighting.
- Expandable size: 290 to 876mm.
- Rotating head and adaptable angle.
- 1 lithium 3-volt flat battery supplied.



	Weight g		EAN
E051401	115	1	3258950514017

2-IN-1 TELESCOPIC MIRROR

- 2-in-1 tool, mirror - magnetic fingers.
- Expandable size: 200 to 690mm.
- Mirror diameter: 35mm.



	Weight g		EAN
E051402	46	1	3258950514024

MAGNETIC FLEXIBLE PICK-UP TOOL

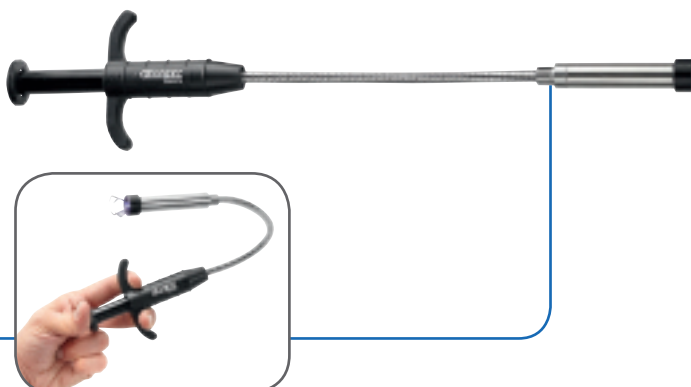
- Bi-material ergonomic handle for comfortable and reliable screwing.
- 409mm flexible arm.
- Powerful magnet lifts up to 1.4 kg.



	Weight g		EAN
E051501	222	1	3258950515014

MAGNETIC LED FLEXIBLE CLAW

- 252mm flexible arm.
- 4 claws.
- LED lighting.
- Powerful magnetic bit.
- 3 LR44 batteries supplied.



	Weight g		EAN
E201414	180	1	3258952014140





OIL CHANGE-FILTRATION

OIL CHANGE SYRINGE

- Capacity 1.5 litres.
- For extracting and injecting fluids during vehicle maintenance.
- Double joint for continuous suction.
- Valve maintaining the syringe full.
- Graded transparent body.



	Weight g		EAN
E200231	900	1	3258952002314

PLASTIC OIL CAN

- Flexible hose.
- 2 caps.
- Can be used with any kind of oil.
- Graduated in litres and US quarts.



		EAN
E200244	1	3258952002444

OIL CHANGE COLLECTION TRAY

- Capacity 8 litres.
- Impact and hydrocarbon-resistant.



	Weight g		EAN
E200227	640	1	3258952002277

OIL CHANGE COLLECTION AND STORAGE TRAY

- Capacity 8 litres.
- Impact and hydrocarbon-resistant.
- Indispensable to carry drained fluid.



	Weight g		EAN
E200228	790	1	3258952002284



VALVE FUNNEL

- 1.2L funnel.
- Opening and closing valve.
- Suited to motor and gearbox oil, as well as coolant and fuel.
- Removable filter.



	Weight g		EAN
E200238	200	1	3258952002383

OIL FUNNEL

- Designed for motor oil filling.
- Rectangular-shaped to allow the can to drip.
- Suited to gearbox oil, coolant, and fuel.



	Weight g		EAN
E200237	90	1	3258952002376

REPAIR KIT FOR OIL PANS - 64 PIECES

- Designed to repair damaged oil pan threads.
- 64 pieces:
 - 4 taps: M13 - M15 - M17 - M20.
 - 5 plugs per size: M13.5 - M15.5 - M17.5 - M20.
 - 10 aluminium washers per size: 13 - 15 - 17 - 20mm.



	Weight g		EAN
E200236	1410	1	3258952002369

DRAIN-PLUG WRENCH

- 8 and 10mm drive bits.
- Designed for use on PEUGEOT, CITROEN and RENAULT vehicles.



	Weight g		EAN
E200202	300	8	3258952002024





OIL CHANGE-FILTRATION

13 PIECE DRAIN-PLUG BITS SET

- 6 x hex bit sockets 8 - 10 - 12 - 13 - 14 - 17mm.
- 4 x male drive bit 8 - 10 - 10.5 - 13.1mm.
- 1 female square.
- 1 x XZN®.
- 1 x triangle.
- 6 x 6-point keys 8 - 10 - 12 - 13 - 14 - 17mm.



	Quantité	Weight g		EAN
E200203	13	450	3	3258952002031

3/8" DRAIN PLUG HEX BITS

	Amm	Weight g		EAN
E200209	8	28	1	3258952002093
E200210	10	30	1	3258952002109
E200211	12	34	1	3258952002116
E200212	13	36	1	3258952002123
E200213	14	38	1	3258952002130
E200214	17	48	1	3258952002147



3/8" DRAIN PLUG DRIVE BITS

	Amm	Weight g		EAN
E200204	8	30	1	3258952002048
E200205	10	32	1	3258952002055
E200206	10,50	34	1	3258952002062
E200207	13,10	38	1	3258952002079



3/8" DRAIN PLUG FEMALE BIT - 10MM

	Weight g		EAN
E200208	32	1	3258952002086

3/8" DRAIN PLUG MALE XZN® BIT - 16MM

	Weight g		EAN
E200216	36	1	3258952002161



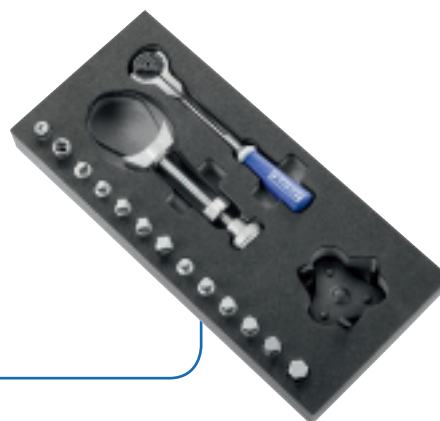
3/8" DRAIN PLUG MALE TRIANGLE BIT - 10MM

	Weight g		EAN
E200215	26	1	3258952002154



OIL CHANGE FOAM MODULE

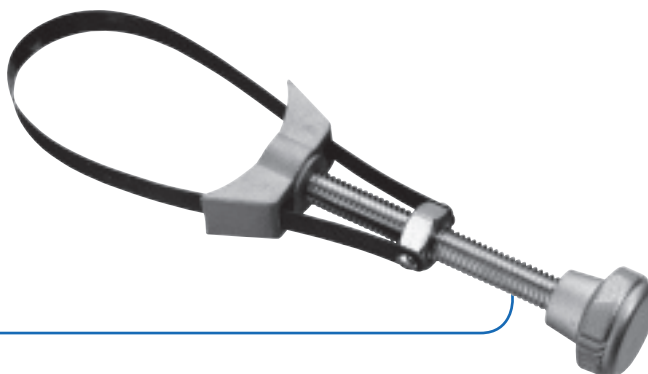
- Foam module.
- Essential tools for oil change.
- Comes with 2 wrenches that can be used on a variety of filters.
- 13 bits used with hinged head ratchet.



		EAN
E200245	1	3258952002451

ADJUSTABLE OIL-FILTER WRENCH

- For filters from 60 to 110mm.
- For most oil filters on LV LCV.



	Weight g		EAN
E117117	250	10	3258951171172

ADJUSTABLE OIL-FILTER WRENCH - HGV

- For filters from 110 to 165mm.
- For most oil filters on HGV.



	Weight g		EAN
E200219	350	1	3258952002192

1/2" OIL FILTER CHAINS

- ISO 1174 - DIN 3122.



	d maxmm	Weight g		EAN
E200234	120	260	1	3258952002345
E200235	160	315	1	3258952002352





OIL CHANGE-FILTRATION

OIL-FILTER CAP WRENCHES

- 30 pieces.
- 3/8" drive.
- 3/8" to 1/2" adapter.
- Universal autolocking cap included.
- Set covers 85% oil filters of the makers in the following groups: PEUGOT, RENAULT, FIAT, ALFA, LANCIA, VAG, BMW, MERCEDES, VOLVO, SAAB, ROVER, JAGUAR, LOTUS, TOYOTA, SUZUKI.



	Quantité	Weight kg		EAN
E200201	30	7	1	3258952002017

UNIVERSAL AUTOLOCKING OIL FILTER «CAP» WRENCH

- Ø : 65-120mm.



	Weight g		EAN
E200229	450	1	3258952002291

SET OF 6 ALUMINIUM CAP SOCKETS

- Caps for plastic oil filter covers.
- 1/2" drive.
- 6-point profile.
- Ø 24 - 27 - 30 - 32.5 - 36 - 38mm.



	Weight g		EAN
E200239	500	1	3258952002390



SPARK PLUGS

SET OF 6 GLOW PLUG SOCKETS

- 6 glow plug sockets: Ø 8 - 9 - 10 - 12 - 14 - 16mm.
- Friction ball joint.
- 3/8" drive bit.



	Weight g	☐	EAN
E200311	1615	1	3258952003113

SPARK PLUG SOCKETS

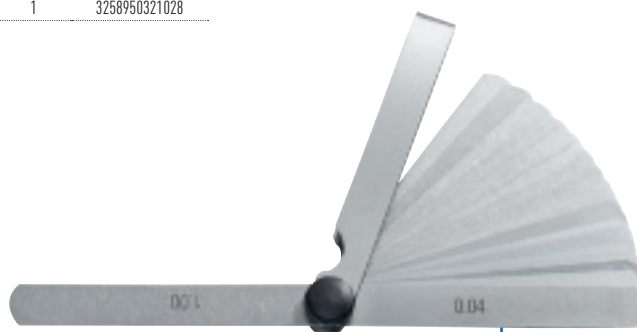
- ISO 11168

	☐	dmm"	Pans	Lmm	Weight g	☐	EAN
E200301	3/8"	14	12	63,50	75	1	3258952003014
E200302	3/8"	16	6	63,50	90	1	3258952003021
E200303	3/8"	21	6	70	120	1	3258952003038
E032401	1/2"	5/8"	6	63,50	100	1	3258950324012
E032402	1/2"	13/16"	6	70	160	1	3258950324029
E032101	1/2"	16	6	65	90	1	3258950321011
E032102	1/2"	21	6	70	120	1	3258950321028



METRIC FEELER GAUGES

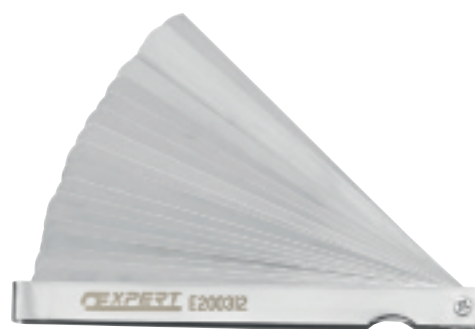
- 19 blades 0.04 to 1mm.



	Weight g	☐	EAN
E200307	60	1	3258952003076

METRIC LONG FEELER GAUGES

- 19 blades 0.05 to 1mm.



	Weight g	☐	EAN
E200312	172	1	3258952003120





SPARK PLUGS

SET OF 4 PULLERS IGNITION COILS VAG

- Composition of 4 clamps .
- To extract 99% of VAG pencil coils .
- Supplied in plastic case with instruction .



	Weight g		EAN
E200503	948	1	3258952005032

REPAIR KIT FOR SPARK PLUGS - 16 PIECES

- Designed to repair spark plug threads.
- 1 stepped tap M16 drive 17.
- 5 thread inserts M14 x 125 - 11.2mm.
- 5 thread inserts M14 x 125 - 17.5mm.
- 5 brass thread M14 x 125 - 17.5mm.



	Weight g		EAN
E200310	330	1	3258952003106

WIRE BRUSH

- Wire brush for brake caliper.



	Weight g		EAN
E200306	170	12	3258952003069



AUTO ELECTRICS

12V BOOSTER

- For 12 Volt vehicles.
- 1600A maximum peak amp.
- 440A maximum cranking amp.
- For petrol and diesel engines.
- Protection fuse
- Booster with UK plug: E200413.



	Weight kg		EAN
E200408	6	1	3258952004080

BATTERY TERMINALS PULLER

- Also suited to wipers with or without built-in nozzle.
- Maximum load: 4 kN.



	Weight g		EAN
E201512	296	1	3258952015123

UNIVERSAL BATTERY HOLDER

- Fits all types of batteries.
- Maximum opening 190mm.
- Comfortable grip.
- Maximum weight carried 27 kg.



	Weight g		EAN
E201808	532	1	3258952018087





AUTO ELECTRICS

ACID HYDROMETER

- For checking specific gravity of battery fluid.
- Fluid gravity and load percentage read.



	Weight g		EAN
E200405	200	1	3258952004059

SET OF 19 TOOLS FOR EXTRACTING CONNECTOR PLUGS

- Tools compatible with the new VW-Audi group connectors.
- Can be used on: coolant sensors, wiring harnesses and calculator connectors.
- Preserves the wire and lug.
- Knurled grips.



	Weight g		EAN
E201801	602	1	3258952018018

INFRARED THERMOMETER

- Infrared temperature contactless measurement with laser guide.
- To check the temperature of the engine, brake discs, catalyst or even the A/C system.
- Measurements: -20°C to 520°C
- D/S ratio (distance / surface): 8/1.
- Possibility to disable the laser.
- Value selection: degrees Celsius or Fahrenheit.
- Backlit monitor.
- Supplied with operating instructions and 9V battery.



	Weight g		EAN
E201805	135	1	3258952018056

BATTERY TESTER

- Connecting clamps on the battery terminals .
- CCA adjustment based on the value indicated on the battery.
- Charging with the LOAD button and reading the value directly on the screen .
- Green LED (GOOD) : Value > 10.8V .
- Yellow LED (LOW) : 10.8V > value > 9.1.
- Red LED (BAD) : 9.1V > value.



		EAN
E200407	1	3258952004073



DIGITAL MULTIMETER

- Indispensable for troubleshooting electronic faults.
- DC / AC voltmeter: 0 to 250 V.
- Ohmmeter: 0 to 20 MΩ.
- Diode test. 2.8 V / 1 mA.
- Backlit LCD screen.
- Measures internal resistance of batteries.
- Protection against overloads.
- Temperature measurement.
- Automatic power off.
- Polarity tester.
- IEC-61010/CAT II 250 V/CE standard.
- Supplied with 3 AAA 1.5 V batteries.
- Supplied with cables.



	Weight g		EAN
E051301	323	1	3258950513010

CLIP-ON MULTIMETER

- Ideal for travelling maintenance.
- AC voltmeter: 0 to 600 V.
- DC ammeter: 0 to 400 A.
- Ohmmeter: 0 to 20 MΩ.
- Continuity: < 30 Ω.
- Measurable cable diameter: ø 32mm.
- Contactless currents measurement legible on LCD screen.
- Diode test.
- Data maintaining function.
- Protection against overloads.
- IEC-61010/RMS CAT III 600 V/EC standard.
- Supplied with protection bag and cables.



	Weight g		EAN
E201803	325	1	3258952018032





MULTIFUNCTION TESTER

- Continuity/polarity test.
- DC voltage measurement from 2V to 24V.
- Checking electric components, motors (power windows, washer motors, starter, etc.) and lamps.
- Short-circuit detection and localisation.
- False contact detection.
- Supply and use by connecting with the vehicle's battery.
- Protection against overintensity.
- IEC 61326/EMC/CE standard.
- Supplied with protection bag.



	Weight g		EAN
E201806	548	1	3258952018063

VAT TESTER

- Allows to check the lack of voltage on a circuit before starting the works.
- Testing tip storage system.
- 19mm testing tip spacing (for sockets).
- Polarity testing: + / - . LED
- Voltages: 6-12-24-50-120-230-400 V.
- DC / AC: 50-60 Hz.
- IP 54.
- IEC 61243-3/CAT III 600 V/CE standard.
- 2 1.5 V LR44 batteries supplied.



	Weight g		EAN
E201804	176	1	3258952018049

VOLTAGE TESTER

- Ideal for checking circuits, fuses, switches and wiring on cars, trailers, boats, motorcycles and other low voltage systems.
- Connect the crocodile clamp to ground to test using the contact tip.
- Lamp in the grip indicates the present of voltage.
- 12 - 24 V.



	Weight g		EAN
E201802	220	1	3258952018025



ENGINE

HOSE CLAMP PLIERS

- E200504: hose clamp pliers with cable.
- E200505: 45° locking hose clamp pliers with pivot jaws.
- E200506: locking hose clamp pliers with pivot jaws.
- E200507: click cable-tie pliers.
- E200508: hose pulling flat pliers.
- E200509: standard hose clamp pliers with slit pivot jaws.
- E200510: standard hose clamp pliers with cross slit pivot jaws.

	Weight g	☐	EAN
E200504	470	1	3258952005049
E200505	240	1	3258952005056
E200506	235	1	3258952005063
E200507	230	1	3258952005070
E200508	200	1	3258952005087
E200509	245	1	3258952005094
E200510	205	1	3258952005100



7-PIECE HOSE CLAMP PLIERS SET

- Contains 7 pliers also available as individual units: E200504-E200505-E200506-E200507-E200508-E200509-E200510.
- Supplied in plastic case.



	Weight kg	☐	EAN
E200501	3,10	1	3258952005018

FLEXIBLE NUT SPINNERS

- 6-point nut spinners.
- Bi-material ergonomic handle for comfortable and reliable screwing.
- Flexible blade.
- For loosening and tightening hose clamps.



	Dimensions	Weight g	☐	EAN
E200524	6 x 150mm	150	1	3258952005247
E200525	7 x 150mm	150	1	3258952005254
E200526	8 x 150mm	160	1	3258952005261

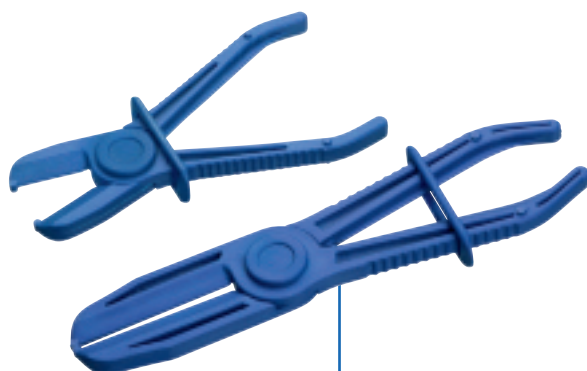




ENGINE

SET OF TWO HOSE CLAMPS

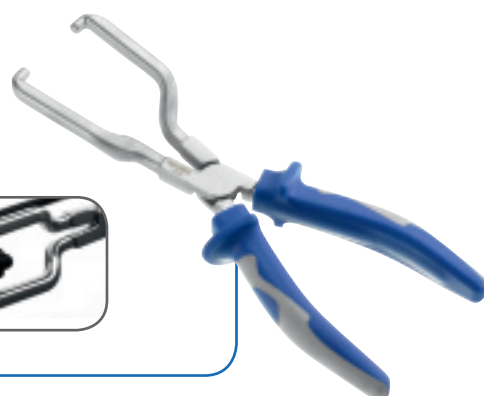
- Hoses are clamped shut instantly without damage.
- Plastic structure.



	Weight g		EAN
E201701	270	1	3258952017011

FUEL HOSE CLAMP

- Specific tool to uncouple connectors of line fuel filters.
- Angular nose for better access.



	Weight g		EAN
E200519	310	1	3258952005193

OFFSET OPEN SOCKETS

- 1/2" offset open sockets 12 - 14 - 16 - 17 - 18 - 19mm.
- Length 100mm to reach nuts on diesel injector supplies in confined spaces.



	Weight g		EAN
E200517	1200	1	3258952005179

DIESEL INJECTION PRIMER TOOL

- To prime diesel fuel lines, filters and pumps.



	Weight g		EAN
E200521	200	1	3258952005216



COOLING SYSTEM TESTER KIT

- Complete kit for detecting leaks in cooling systems.
- Includes adapters with quick couplers compatible with most European and Japanese cars.
- Generic adapters allowing use on a broad range of vehicles and systems.
- Supplied in a plastic case with instructions.



	Weight kg		EAN
E200511	3.9	1	3258952005117

COOLANT COLLECTION TRAY

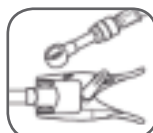
- Slim-line: slides easily under the car.
- Capacity 30 litres.
- Dimensions: L.850 x W.600 x H.125mm.



	Weight kg		EAN
E200502	6	1	3258952005025

SET OF 8 CLOSING PLIERS

- Ideal for interventions on the fuel, brake and A/C circuits.
- 2 x Banjos (two sizes)
- 2 x 3/8"
- 2 x 1/2"
- 2 x 5/16"
- Prevents fluids from leaking and contaminating the circuit with impurities.
- 3 adjustable opening positions to adapt to any type of piping and couplings.
- Supplied with spare tips.



	Weight g		EAN
E201702	1000	1	3258952017028

ANTI-FREEZE HYDROMETER

- Checks antifreeze quality and temperature in engine coolant.
- Hot and cold test.
- Reading in degrees Celsius and Fahrenheit.



	Weight g		EAN
E200523	200	1	3258952005230





ENGINE

ANGULAR TIGHTENING WRENCH WITH MAGNETIC HOSE

- 1/2" square bit
- Flexible arm 340mm.
- Fixed point by flexible with magnet.
- 2° graduation.



	Weight g		EAN
E100115	257	1	3258951001158

ANGULAR TIGHTENING WRENCH WITH BAR

- 1/2" square bit
- Setting rod 100mm x 50mm
- 2° graduation.



	Weight g		EAN
E100116	180	1	3258951001165

SET OF 2 VALVE LAPPERS

- Wood handle with suction cap at each end.
- 1 x L.245mm with 19 and 22mm ø suction caps.
- 1 x L.255mm with 22 and 32mm ø suction caps.



	Weight g		EAN
E200518	100	1	3258952005186

STETHOSCOPE

- One-piece design with an ultra thin diaphragm to locate the source of noise.
- Complete with needle.



	Weight g		EAN
E200520	190	1	3258952005209



ALTERNATOR PULLEY SET - 13 PIECES

- For fitting and removing the alternator pulley.
- 1/2" combination sockets:
- Torx®: T50.
- XZN®: M10.
- 10mm bits:
- Torx®: T40-T50, L.75mm.
- XZN®: M8-M10, L.75mm.
- 6-point: 8-10, L.75mm.
- 1/2" screw bit holder - 10mm.
- 2 33-teeth multiple denture sliding inserts.
- 1 17mm hex sliding insert.
- 1 4-spigot sliding insert.



	Weight g		EAN
E201901	1366	1	3258952019015

ALTERNATOR PULLEY SET - 22 PIECES

- Complete kit for fitting and removing the alternator pulley.
- Combination sockets:
- Torx®: T50 1/2".
- XZN®: M10 1/2" - M10 3/8".
- 1/2" XZN® socket M10
- 10mm bits:
- Torx®: T40-T50, L.75mm.
- XZN®: M8-M10, L.75mm.
- 6-point: 8-10, L.75mm.
- 1/2" screw bit holder - 10mm.
- 3 33-teeth multiple denture sliding inserts.
- 5 hex sliding inserts 17-19-21-22-27mm.
- 2 sliding inserts with 3 and 4 spigots.



	Weight g		EAN
E201902	2510	1	3258952019022

EXHAUST CLIP REMOVAL PLIER

- Special pliers for removing exhaust hangers.
- Access even in confined spaces.
- Tool suited to a broad range of vehicles.



	Weight g		EAN
E200601	430	1	3258952006015





BRAKES

BRAKE FLUID TESTER

- Measures the percentage humidity in the brake fluid with respect to standard.
- The tester sends a low current in the brake fluid and measures its resistance.
- 2 reading scales: DOT 4 and DOT 5.1.
- Measurement probe expandable to 1.5 meter.
- Battery: LR622 type 9V battery (not supplied).
- Battery level test by diode.
- Supplied in a plastic case with instructions.



	Weight g		EAN
E200903	750	1	3258952009030

VACUUM BRAKE BLEEDER

- Vacuum bleeder operating by Venturi principle.
- Operating pressure 6-10 bars.
- Can be used on LV, motorcycle.
- Intended for brake or clutch circuits.
- Capacity 3L.
- Pressure gauge indicating the vacuum value.
- Rubber bit. E200909.

	Weight kg		EAN
E200901	1	1	3258952009016



RUBBER TIP FOR BRAKE BLEED

		EAN
E200909	1	3258952009092

FLUID RESERVOIR

- Allows automatic filling.
- Adapts to all diameters of brake fluid reservoir.
- Capacity 1 L.
- Closing tap.

	Weight kg		EAN
E200902	0,60	1	3258952009023



FLUID CHANGE SYRINGE

- Capacity 0.2 L.
- For extracting and injecting fluids during vehicle maintenance.
- Transparent body.
- Double joint for continuous suction.
- Ideal for brake fluid and coolant.



	Weight g		EAN
E200907	290	1	3258952009078



BRUSH FOR BRAKES WIRE BRUSH

- Removes the dust and dirt from brake callipers.
- Length: 220mm.



E200911	1	EAN
		3258952009115

BRAKE FLUID TESTER

- Allows the user to quickly check the percentage of humidity in the brake fluid.
- Results indicated on the product by LEDs.



E200910	1	EAN
		3258952009108

BRAKE CALIPER WIND BACK TOOL SET

- Pushes back pistons (left or right turning).
- Supplied with 19 adapters for all makes (application list in the instructions).
- Supplied in a plastic case with instructions.



E200904	Weight kg	1	EAN
	2,63		3258952009047

12-PIECE BOX OF IMPACT SCREWDRIVERS

- For loosening seized, rusted or stuck fasteners quickly and in complete safety
- Supplied in metal box.



E230301	Weight g	1	EAN
	1250		3258952303015

PIPE FLARING TOOL SET

- To work on pipes Ø 4.75mm & 3/16".
- DIN or SAE standard (copper alloy tube).
- Designed to form flanges without the need to remove the pipe from the vehicle.
- Easy to use with a standard wrench.
- Supplied in a case with instructions.



E200905	Weight kg	1	EAN
	1,40		3258952009054





BRAKES

DISC BRAKE VERNIER CALLIPER

- Measures brake disc thickness and tyre wear.
- A lever releases the measurement jaw while maintaining the size when an outer bur is formed on the disc.
- Metric scale with 0.1mm graduations.
- Measurement range: 0 to 60mm.



	Weight g		EAN
E200908	56	1	3258952009085

FLARE-NUT WRENCH

- For brake lines.

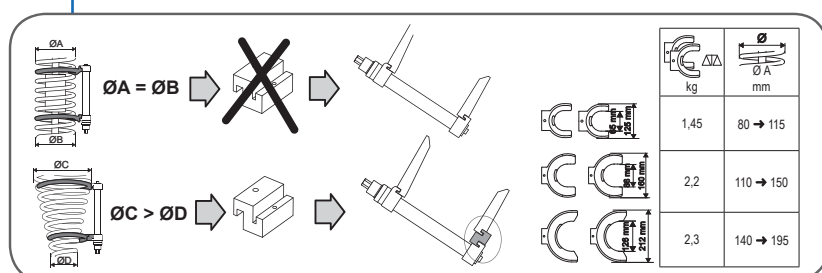


	Weight g		EAN
E200906	110	1	3258952009061

SUSPENSION

SPRING COMPRESSOR SET

- 3 pairs of legs with interchangeable plastic protection to prevent damaging spring paint.
- Body length: 453mm.
- Compression travel: 300mm.
- Maximum power: 10200 N (about 1 ton).
- 6-point 24mm drive.
- Supplied with adaptation accessories for tapered spring.
- Supplied in a plastic case with instructions.



	Weight kg		EAN
E201001	14,30	1	3258952010012

SPARE PARTS FOR SPRING COMPRESSOR

- E201002: set of 3 plastic protectors.
- E201003: set of 5 safety pins.

		EAN
E201002	1	3258952010029
E201003	1	3258952010036



WHEELS

TYRE LEVERS

- E201117: straight.
- E201118: curved
- Finish: phosphate-coated.

	Lmm	Weight kg		EAN
E201117	500	1.25	1	3258952011170
E201118	728	1.47	1	3258952011187



E201117



E201118

VALVE CORE REMOVAL REVERSIBLE TOOL

- Plastic handle for aluminum wheels.
- Length 285mm.

	Weight g		EAN
E201119	80	1	3258952011194



WHEEL VALVE TOOL

- 2-in-1 tool:
- One side for removing and changing wheel valve cores.
- A cone-shaped side with left-hand thread to pull out broken cores.
- Suited for LUVs and motorbikes.

	Weight g		EAN
E201109	40	1	3258952011095



VALVE CORE - AIR CONDITIONING AND WHEEL REMOVING TOOL

- 2-in-1 tool:
- One side for removing and changing wheel valve cores.
- A side for the removal and replacement of the air valve core conditioning.
- Suited for LUVs and motorbikes.

	Weight g		EAN
E201110	40	1	3258952011101



BALANCING WEIGHT PLIERS

- To fasten or remove wheel balancing weights.

	Weight g		EAN
E201112	510	1	3258952011125



WHEELS FOAM MODULE

- Foam module with the main tools to dismount a wheel and a tire.
- 1/2" Compact impact wrench.
- Socket set.
- 2 valve tools.
- Balancing pliers.

	Weight g		EAN
E201125	46	1	3258952011255





WHEELS

TYRE PRESSURE TESTER

- Pressure display on backlit screen.
- Measurement units in: 3.0 ~ 99.5 PSI - 0.2BAR ~ 6.86 BAR - Kpa - Kg/cm.
- Accuracy 0.01.
- Depth gauge graduated from 0 to 20mm to check tire wear.
- CE standard.
- 2 1.5 V LR44 flat batteries supplied.



	Weight g		EAN
E201120	97	1	3258952011200

SET OF 3 PRE-SET TORQUE WRENCHES

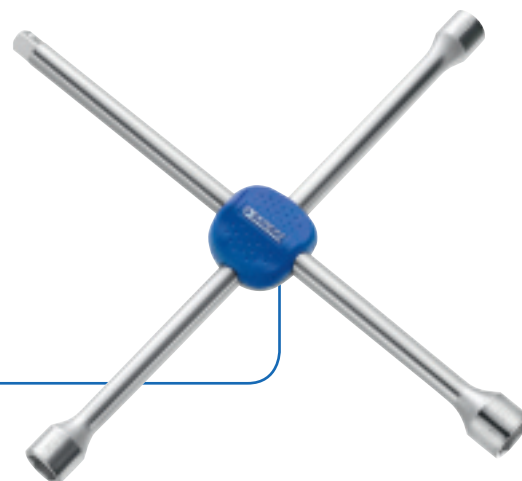
- E100111: 90 Nm.
- E100112: 110 Nm.
- E100113: 120 Nm.



	Weight g		EAN
E100114	6	1	3258951001141

CROSS BRACES

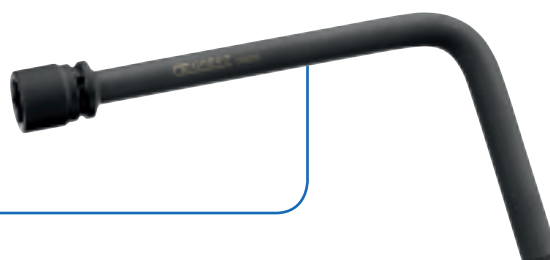
- Designed for removing wheel nuts on cars, light commercial and heavy goods vehicles.



		Dimensions	Weight kg		EAN
E201115	1/2"	17 x 19 x 22	1,4	1	3258952011156
E201116	3/4"	24 x 27 x 32	4,5	1	3258952011163

HGV NUT WRENCHES

- ISO 1711 - ISO 2725.
- Phosphate finish.



	N°	Lmm	L1mm	Weight g		EAN
E201122	27	367	215	2,5	1	3258952011224
E201123	32	372	215	2,73	1	3258952011231
E201124	33	372	215	2,73	1	3258952011248



SET OF 3 1/2" HELICAL SOCKETS

- Ideal for removing damaged nuts and bolts.
- Helical inner profile.
- Two profiles per socket:
- 1/2" impact socket 17mm.
- 1/2" impact socket 19mm.
- 1/2" impact socket 21mm.
- 1/2" socket coupler.



	Weight g		EAN
E201105	730	1	3258952011057

SET OF ALLOY WHEEL SOCKETS 17,19, 21MM - 1/2"

- External plastic protection to protect alloy wheels.



	Quantity	Weight kg		EAN
E194676	3	0,65	1	3258951946763

1/2" XZN® M18 IMPACT SOCKET

- XZN® M18, L.78mm
- For Volkswagen and Audi and other general applications.



	Weight g		EAN
E201121	150	1	3258952011217

SET OF 3 BALL JOINT PULLERS

- 1 model for ball joint Ø 24mm.
- 1 model for ball joint Ø 28mm.
- 1 model for ball joint Ø 34mm.
- Supplied in a plastic case with instructions.



	Quantity	Weight kg		EAN
E201100	3	3	1	3258952011002

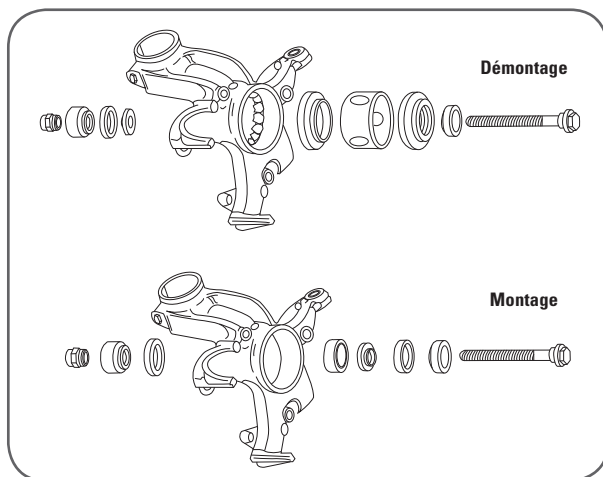




WHEELS

BEARING PULLER KIT - ALL MAKES

- 1st generation bearing puller kit (60 - 85mm).
- Precise centering and alignment to avoid damaging the bearing.
- Suited for most models by VW, Audi, Seat, Fort, Vauxhall and BMW.
- Supplied in a plastic case with instructions.

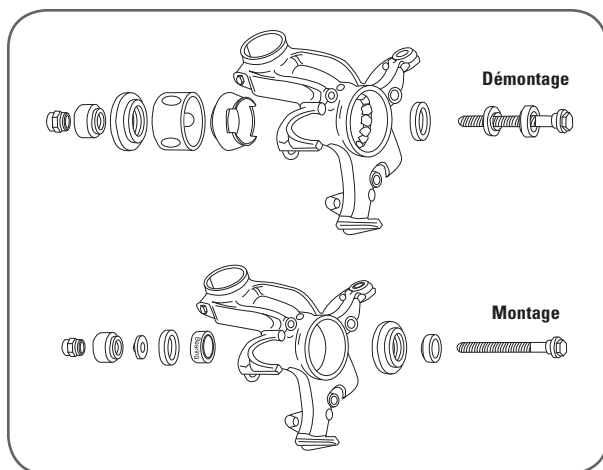


	Weight kg		EAN
E201113	10	1	3258952011132



BEARING PULLER KIT - FRENCH CARS

- Bearing puller kit mainly dedicated to French auto makers.
- Precise centering and alignment to avoid damaging the bearing.
- Suited for most models by Peugeot, Citroën and Renault.
- Supplied in a plastic case with instructions.



	Weight kg		EAN
E201114	13	1	3258952011149





BODYWORK

CLIP REMOVAL TOOL

- Easy access for removing clips difficult to reach.
- Avoids damaging the clip.



	Weight g		EAN
E201201	240	1	3258952012016

ANGLED UPHOLSTERY CLIP PLIERS

- Easy access for removing clips that are difficult to reach.
- Ideal for removing insulating foam and upholstery.
- Avoids damaging the clip.



	Weight g		EAN
E201202	150	1	3258952012023

SET OF 6 UPHOLSTERY REMOVAL TOOLS

- Range of tools used to remove or unclip plastic parts without damage.



	Weight g		EAN
E201203	285	1	3258952012030

SET OF 4 PLASTIC SCRAPERS

- Range of tools allowing to remove upholstery, stickers on bodywork and residues on alloy wheels.
- 4 widths: 20 - 23 - 25 - 38mm.



	Weight g		EAN
E201204	515	1	3258952012047





BODYWORK

INFLATABLE DOOR OPENING CUSHION

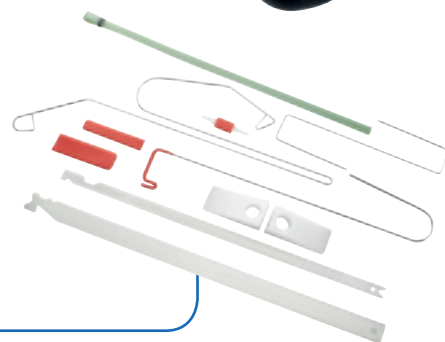
- For controlled opening of doors.
- Prevents useless scratches and damage.



	Weight g		EAN
E201207	200	1	3258952015222

DOOR OPENING KIT - 9 PIECES

- 9 tools to open the door of a vehicle when the keys are inside it without breaking the window.
- Supplied in bag with instructions.



	Weight g		EAN
E201206	665	1	3258952012061

STEP

- Used for body repair as well as windscreen operations.
- Capacity: 115 kg.
- Legs lock into position for safety.
- Foldable.



		EAN
E200137	1	3258952001362

BODYWORK TRESTLE

- Loading capacity: 226 kg.
- Chains secure and adjust the opening.
- Foldable.



		EAN
E201211	1	3258952012115

SET OF 12 TOOLS FOR AIRBAG MAINTENANCE

- Complete set of tools for removing and installing airbags in the vehicle.
- 5 1/4" 80mm long hex sockets to reach fasteners.
- 7 tools dedicated to fitting and removing airbags.



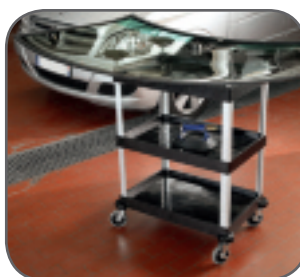
	Weight g		EAN
E201205	810	1	3258952012054



WINDSCREEN

MOBILE WINDSCREEN HOLDER

- 4 rubber holder for easy windscreen removal without damaging it.
- Suited to all types of windscreens.
- Can be used as holder for hood or door type body parts.
- 3 tablets with edges each able to carry up to 50 kg.
- 4 castor wheels (2 castors with brake).
- Simple and easy to assemble.
- Comes flat packed.



	Lmm	Hmm	Weight kg	☐	EAN
E201521	770	1005	11,4	1	3258952015215

SET OF 2 PAIRS OF SUCTION CUPS AND STRAP FOR WINDSCREEN

- 2 pairs of 117mm Ø suction cups.
- Pair of suction cups carrying up to 40 kg.
- Strap supplied to position the windscreen.



	Weight kg	☐	EAN
E201501	1.78	1	3258952015017

PAIR OF SUCTION CUPS

- Pair of 117mm Ø suction cups.
- Withstanding up to 40 kg.



	Weight g	☐	EAN
E201502	750	1	3258952015024

RATCHET STRAP

- For use with windscreen positioning suction cups.



	Weight g	☐	EAN
E201503	285	1	3258952015031





WINDSHIELD

SET OF 6 WINDSHIELD SUCTION CUPS

- 78mm Ø suction cups.
- Indispensable to hold the bodywork or windshield during gluing operations.
- Screw adjustment system.



		EAN
E201507	1	3258952015079

HGV PUMP SUCTION CUP

- 254mm Ø pump suction cup.
- Withstanding up to 130 kg.
- Vacuum leak indicator.
- Fast suction release button.



	Weight kg		EAN
E201504	2.53	1	3258952015048



MULTI-PURPOSE SUCTION CUP

- 55mm Ø suction cup.
- Withstanding up to 10 kg.
- Suction cup system produced by tightening the 2 handles together.
- Can be used with one hand.



	Weight g		EAN
E201505	380	1	3258952015055

MULTI-PURPOSE MINI SUCTION CUP

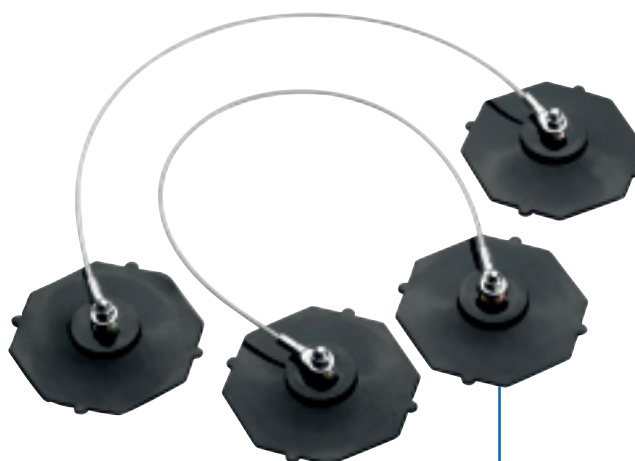
- 23mm Ø suction cup.
- Withstanding up to 5 kg.
- Ideal for smaller panes such as rear view mirrors.



	Weight g		EAN
E201508	65	1	3258952015086

SET OF SIDE WINDOW HOLDING SUCTION CUPS

- 78mm Ø suction cups.
- Suction cups linked with a 400mm sheathed cable to avoid damaging the paint.
- Side window held when working on the window operating control system.



	Weight g		EAN
E201506	110	1	3258952015062

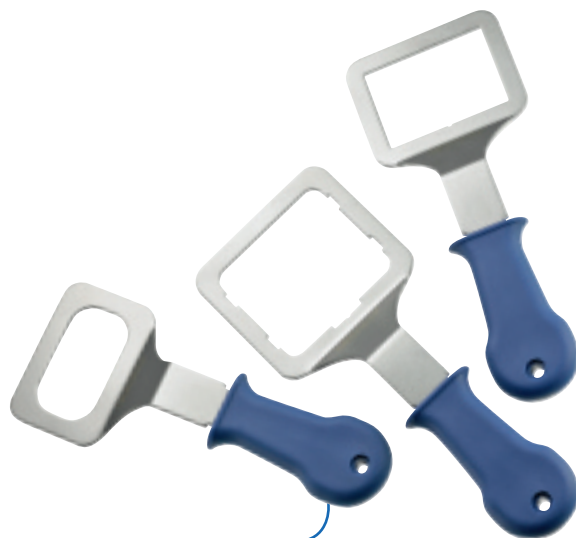




WINDSHIELD

SET OF 3 TOOLS FOR RAIN AND LIGHT SENSORS

- Set of 3 tools allowing easy and damage-free removal of rain and light sensors on windshields.



	Weight g		EAN
E201509	425	1	3258952015093

WINDSHIELD WIPER ARM PULLER

- For wipers with or without built-in nozzle.
- Also suitable for pulling battery terminals.
- Capacity 4 KN.



	Weight g		EAN
E201512	296	1	3258952015123

WINDSHIELD WIPER ARM REMOVER

- For damage-free removal of wiper arms.
- For LV and LUV.
- Capacity 2 KN.

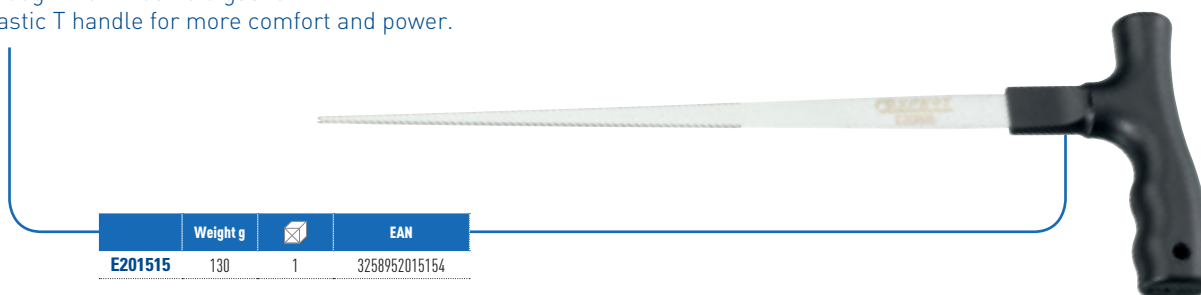


	Weight g		EAN
E201510	140	1	3258952015109



WINDSCREEN WIRE FEEDER TOOL

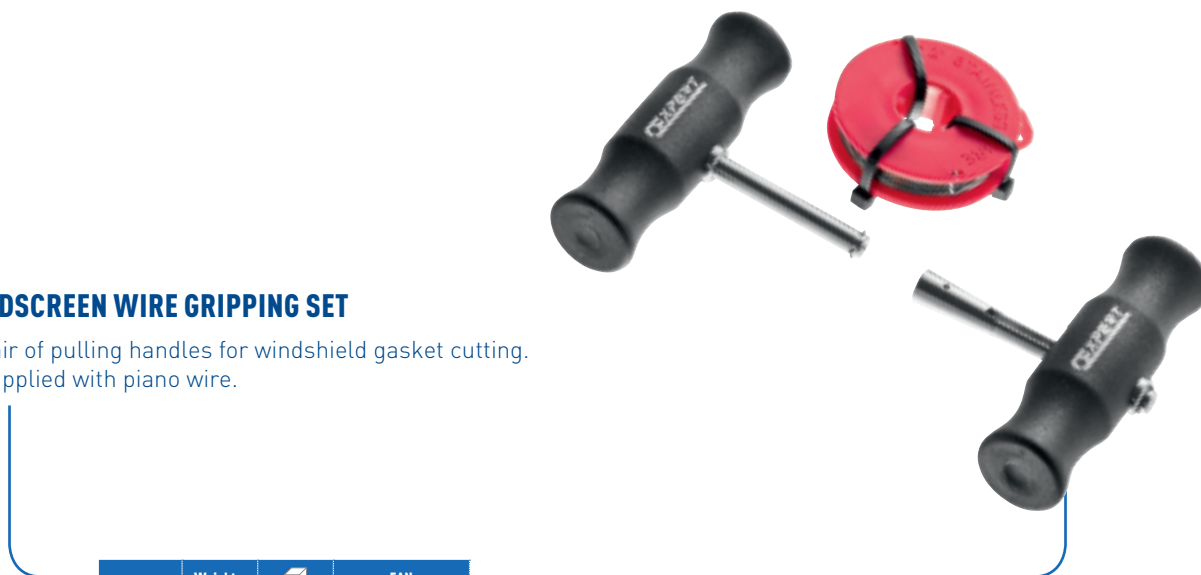
- Flat blade with end cutout to insert the cutting wire through the windshield gasket.
- Plastic T handle for more comfort and power.



	Weight g		EAN
E201515	130	1	3258952015154

WINDSCREEN WIRE GRIPPING SET

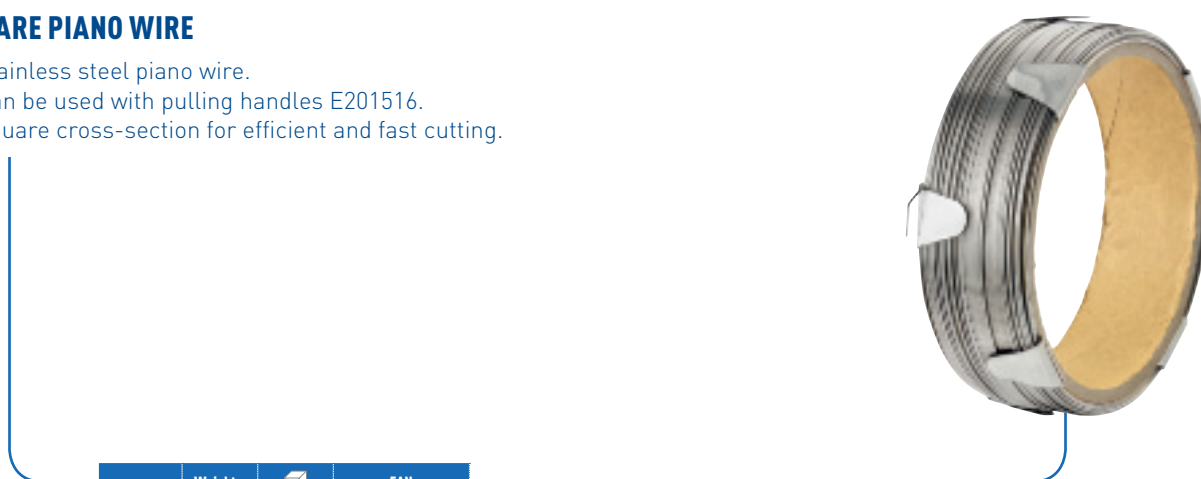
- Pair of pulling handles for windshield gasket cutting.
- Supplied with piano wire.



	Weight g		EAN
E201516	360	1	3258952015161

SQUARE PIANO WIRE

- Stainless steel piano wire.
- Can be used with pulling handles E201516.
- Square cross-section for efficient and fast cutting.



	Weight g		EAN
E201518	185	1	3258952015185





WINDSHIELD

INSTRUMENT PANEL PROTECTION

- To avoid damaging instrument panels when cutting the wind shield gasket with piano wire.
- Flat or rounded shapes adapting to all types of cuts.



	Weight g		EAN
E201522	306	1	3258952015222

COLD CUTTING WINDSHIELD KNIFE

- Cold cutting tool for windshield gasket.
- Replaceable 90° blade.
- Main handle to insert and guide the blade.
- Pulling handle to apply cutting force.



	Weight g		EAN
E201513	274	1	3258952015130

KNIFE BLADES

- 6 spare blades for knife E201513.



	Weight g		EAN
E201514	85	1	3258952015147



SILICON GUN

- Ideal for wind shield glue cartridges or berlingots.
- Aluminium tube.
- Ergonomic handle.



	Weight g		EAN
E090703	875	1	3258950907031

MINI SCRAPER

- Retracting blade.
- Easy blade changes.
- Supplied with 3 blades.
- Can store 2 blades in the rear compartment.



	Weight g		EAN
E201209	6	1	3258951001141

SCRAPER

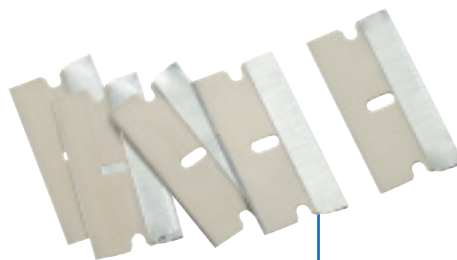
- Plastic grip.
- Metal blade holder.
- Replaceable blades.
- Used to remove glue and label residue from windshields.
- Supplied with 1 blade.
- Spare blades available in multi-pack of 5 - E201520.



	Weight g		EAN
E201519	310	1	3258952015192

SPARE BLADES FOR SCRAPER

- For scraper E201520
- In 5-blade box.



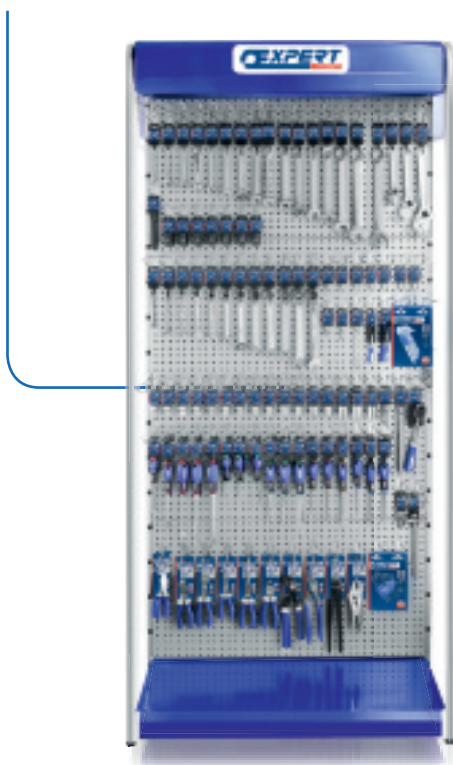
	Weight g		EAN
E201520	12	1	3258952015208





MAXIMISE YOUR POINT OF SALE WITH EXPERTMERCHANDISING SOLUTIONS

1MODULE



2MODULES



3MODULES



Tools not included.



EXPERT 1M MERCHANDISER

- 220 x 100 x 48 cm
- Shelf and set of 30 pins included

E900201



SCREWDRIVER RACK

- 23 slots:
- 15 central slots for most common screwdriver sizes
- 5 end slots for large-size blades
- 3 slots for thin blades

E900203



ANGLED SHELF

- For box sets
- Flanged angled shelf to showcase open and/or closed box sets

E900204



10 PARTITIONS FOR ANGLED SHELF

- For sockets
- Set of 10 partitions to be added to the angled shelf to showcase sockets and accessories

E900205





COUNTERMERCHANTISERS

Products supplied in merchandisers for any order per packaging unit.

MINI-SCRAPER E201209

- Packaging unit: 12
- Product presented in page 265.



TELESCOPIC MIRROR WITH LEDS E051401

- Packaging unit: 12
- Product presented in page 201.



USB RECHARGEABLE LIGHT PENS E201406

- Packaging unit: 12
- Product presented in page 201.





BRAND SIGNING

VERTICAL BANNERS

- Fastening system: Picket base/rotating crosses.
- Supplied in a carry bag.
- E900308: dimensions: 2.15 x 0.65m.
- E900301: dimensions: 3.40 x 0.65m.



FLAG E900309

- Flag in 110g/m² polyester with 4 eyelets.
- Dimensions: 1.80 x 1.20m.



OUTDOOR BANNER E900310

- Banner is 440g vinyl with eyelets and straps.
- Dimensions: 2 x 0.6m.



2-COLOUR STICKERS (PACK 25)

- White EXPERT logo stickers:
E900313 : 255 x 60MM.
E900312: 155 x 40MM.
E900311: 75 x 20MM.
- Blue EXPERT logo stickers:
E900316: 255 x 60MM.
E900315: 155 x 40MM.
E900314: 75 x 20MM.





A SELECTION OF EXPERT TOOLS ARE AVAILABLE WITH A RETAIL HANGER, TO GIVE YOUR MERCHANDISE MAXIMUM IMPACT

WRENCHES

Reference	Description	EAN	Units
E113202R	COMBINATION WRENCH - 6MM	3258955132025	5
E113200R	COMBINATION WRENCH - 7MM	3258955132001	5
E113201R	COMBINATION WRENCH - 8MM	3258955132018	5
E113204R	COMBINATION WRENCH - 9MM	3258955132049	5
E113205R	COMBINATION WRENCH - 10MM	3258955132056	5
E113206R	COMBINATION WRENCH - 11MM	3258955132063	5
E113207R	COMBINATION WRENCH - 12MM	3258955132070	5
E113208R	COMBINATION WRENCH - 13MM	3258955132087	5
E113209R	COMBINATION WRENCH - 14MM	3258955132094	5
E113210R	COMBINATION WRENCH - 15MM	3258955132100	5
E113211R	COMBINATION WRENCH - 16MM	3258955132117	5
E113212R	COMBINATION WRENCH - 17MM	3258955132124	5
E113213R	COMBINATION WRENCH - 18MM	3258955132131	5
E113214R	COMBINATION WRENCH - 19MM	3258955132148	5
E113215R	COMBINATION WRENCH - 20MM	3258955132155	5
E113216R	COMBINATION WRENCH - 21MM	3258955132162	5
E113217R	COMBINATION WRENCH - 22MM	3258955132179	5
E113218R	COMBINATION WRENCH - 23MM	3258955132186	5
E113219R	COMBINATION WRENCH - 24MM	3258955132193	5
E113222R	COMBINATION WRENCH - 27MM	3258955132223	5
E113225R	COMBINATION WRENCH - 30MM	3258955132254	5
E113226R	COMBINATION WRENCH - 32MM	3258955132261	5
E117391R	FLARE NUT WRENCH - 11X13MM	3258955173912	5
E117392R	FLARE NUT WRENCH - 12X14MM	3258955173929	5
E117378R	RATCHETING WRENCH - 7MM	3258955173783	5
E113301R	RATCHETING WRENCH - 8MM	3258955133015	5
E113302R	RATCHETING WRENCH - 9MM	3258955133022	5
E113303R	RATCHETING WRENCH - 10MM	3258955133039	5
E113300R	RATCHETING WRENCH - 11MM	3258955133008	5
E113304R	RATCHETING WRENCH - 12MM	3258955133046	5
E113305R	RATCHETING WRENCH - 13MM	3258955133053	5
E113306R	RATCHETING WRENCH - 14MM	3258955133060	5
E113307R	RATCHETING WRENCH - 15MM	3258955133077	5
E113308R	RATCHETING WRENCH - 16MM	3258955133084	5
E113309R	RATCHETING WRENCH - 17MM	3258955133091	5
E113310R	RATCHETING WRENCH - 18MM	3258955133107	5
E113311R	RATCHETING WRENCH - 19MM	3258955133114	5
E117370R	RATCHETING WRENCH - 21MM	3258955173707	5
E117371R	RATCHETING WRENCH - 22MM	3258955173714	5
E117372R	RATCHETING WRENCH - 24MM	3258955173721	5



PLEASE NOTE

Wrench sets available on plastic rack or in promotional cardboard box
Sets of 1/4" to 1/2" sockets available under blister



Reference	Description	EAN	Units
E113370R	ANGLED SOCKET WRENCHES 12X6 POINT - 8MM	3258955133701	5
E113371R	ANGLED SOCKET WRENCHES 12X6 POINT - 9MM	3258955133718	5
E113372R	ANGLED SOCKET WRENCHES 12X6 POINT - 10MM	3258955133725	5
E113373R	ANGLED SOCKET WRENCHES 12X6 POINT - 11MM	3258955133732	5
E113374R	ANGLED SOCKET WRENCHES 12X6 POINT - 12MM	3258955133749	5
E113375R	ANGLED SOCKET WRENCHES 12X6 POINT - 13MM	3258955133756	5
E113376R	ANGLED SOCKET WRENCHES 12X6 POINT - 14MM	3258955133763	5
E113377R	ANGLED SOCKET WRENCHES 12X6 POINT - 15MM	3258955133770	5
E113378R	ANGLED SOCKET WRENCHES 12X6 POINT - 16MM	3258955133787	5
E113379R	ANGLED SOCKET WRENCHES 12X6 POINT - 17MM	3258955133794	5
E113380R	ANGLED SOCKET WRENCHES 12X6 POINT - 18MM	3258955133800	5
E113381R	ANGLED SOCKET WRENCHES 12X6 POINT - 19MM	3258955133817	5
E113383R	ANGLED SOCKET WRENCHES 12X6 POINT - 21MM	3258955133831	5
E113384R	ANGLED SOCKET WRENCHES 12X6 POINT - 22MM	3258955133848	5
E113386R	ANGLED SOCKET WRENCHES 12X6 POINT - 24MM	3258955133862	5
E113389R	ANGLED SOCKET WRENCHES 12X6 POINT - 30MM	3258955133893	5
E113390R	ANGLED SOCKET WRENCHES 12X6 POINT - 32MM	3258955133909	5
E187366R	ADJ.WRENCH 150MM	3258955873669	5
E187368R	ADJ.WRENCH 200MM	3258955873683	5
E187470R	ADJ.WRENCH 250MM	3258955874703	5
E187472R	ADJ.WRENCH 300MM	3258955874727	5
E187473R	ADJ.WRENCH 375MM	3258955874734	5



SOCKETS AND ACCESSORIES

Reference	Description	EAN	Units
E030601R	1/4" ROUND HEAD RATCHET	3258955306013	5
E030602R	1/4" SD SWIVEL HEADED REVERSE RATCHET	3258955306020	5
E030605R	1/4" SD PEAR HEAD RATCHET	3258955306051	5
E113771R	1/4" EXTENSION 55MM	3258955137716	5
E113756R	1/4" EXTENSION 100MM	3258955173561	5
E113772R	1/4" EXTENSION 150MM	3258955137723	5
E113760R	1/4" UNIVERSAL JOINT	3258955173608	5
E113910R	1/4" SPINNER	3258955139109	5
E117294R	1/4" 6 PT STANDARD SOCKET 5MM	3258955172946	5
E117296R	1/4" 6 PT STANDARD SOCKET 6MM	3258955172960	5
E117297R	1/4" 6 PT STANDARD SOCKET 7MM	3258955172977	5
E117298R	1/4" 6 PT STANDARD SOCKET 8MM	3258955172984	5
E117299R	1/4" 6 PT STANDARD SOCKET 9MM	3258955172991	5
E117350R	1/4" 6 PT STANDARD SOCKET 10MM	3258955173509	5
E117351R	1/4" 6 PT STANDARD SOCKET 11MM	3258955173516	5
E117352R	1/4" 6 PT STANDARD SOCKET 12MM	3258955173523	5
E117353R	1/4" 6 PT STANDARD SOCKET 13MM	3258955173530	5
E117354R	1/4" 6 PT STANDARD SOCKET 14MM	3258955173547	5
E113755R	1/4" 6 PT LONG-REACH SOCKET 7MM	3258955173556	5
E113756R	1/4" 6 PT LONG-REACH SOCKET 8MM	3258955173563	5
E113757R	1/4" 6 PT LONG-REACH SOCKET 9MM	3258955173570	5
E113758R	1/4" 6 PT LONG-REACH SOCKET 10MM	3258955173587	5
E113759R	1/4" 6 PT LONG-REACH SOCKET 11MM	3258955173594	5
E113760R	1/4" 6 PT LONG-REACH SOCKET 12MM	3258955173600	5
E113761R	1/4" 6 PT LONG-REACH SOCKET 13MM	3258955173617	5
E113762R	1/4" 6 PT LONG-REACH SOCKET 14MM	3258955173624	5





SOCKETS AND ACCESSORIES

Reference	Description	EAN	Units
E031702R	3/8" SD FLEXIBLE HEADED RATCHET	3258955317026	5
E031706R	3/8" PEAR HEAD RATCHET	3258955317064	5
E113850R	3/8" EXTENSION 125MM	3258955138508	5
E117367R	3/8" UNIVERSAL JOINT	3258955173677	5
E030939R	3/8" 6 PT STANDARD SOCKET 10MM	3258955309397	5
E030940R	3/8" 6 PT STANDARD SOCKET 11MM	3258955309403	5
E030941R	3/8" 6 PT STANDARD SOCKET 12MM	3258955309410	5
E030942R	3/8" 6 PT STANDARD SOCKET 13MM	3258955309427	5
E030943R	3/8" 6 PT STANDARD SOCKET 14MM	3258955309434	5
E030944R	3/8" 6 PT STANDARD SOCKET 15MM	3258955309441	5
E030945R	3/8" 6 PT STANDARD SOCKET 16MM	3258955309458	5
E030946R	3/8" 6 PT STANDARD SOCKET 17MM	3258955309465	5
E030947R	3/8" 6 PT STANDARD SOCKET 18MM	3258955309472	5
E030948R	3/8" 6 PT STANDARD SOCKET 19MM	3258955309489	5
E032801R	1/2" SD ROUND HEAD RATCHET	3258955328015	5
E032802R	1/2" SD SWIVEL HEADED REVERS RATCHET	3258955328022	5
E032803R	1/2" SD FLEXIBLE HEADED RATCHET	3258955328039	5
E032805R	1/2" SD 600MM SWIVEL HANDLE	3258955328053	5
E032808R	1/2" PEAR HEAD RATCHET	3258955328084	5
E117259R	1/2" SLIDING TEE	3258955172595	5
E113710R	1/2" EXTENSION 75MM	3258955137105	5
E117260R	1/2" EXTENSION 130MM	3258955172601	5
E117261R	1/2" EXTENSION 250MM	3258955172618	5
E117264R	1/2" UNIVERSAL JOINT	3258955172649	5
E117086R	1/2" 6 PT STANDARD SOCKET 8MM	3258955170867	5
E117088R	1/2" 6 PT STANDARD SOCKET 10MM	3258955170881	5
E117089R	1/2" 6 PT STANDARD SOCKET POINT 11MM	3258955170898	5
E117090R	1/2" 6 PT STANDARD SOCKET 12MM	3258955170904	5
E117091R	1/2" 6 PT STANDARD SOCKET 13MM	3258955170911	5
E117092R	1/2" 6 PT STANDARD SOCKET 14MM	3258955170928	5
E117093R	1/2" 6 PT STANDARD SOCKET 15MM	3258955170935	5
E117094R	1/2" 6 PT STANDARD SOCKET 16MM	3258955170942	5
E117095R	1/2" 6 PT STANDARD SOCKET 17MM	3258955170959	5
E117096R	1/2" 6 PT STANDARD SOCKET 18MM	3258955170966	5
E117097R	1/2" 6 PT STANDARD SOCKET 19MM	3258955170973	5
E117098R	1/2" 6 PT STANDARD SOCKET 20MM	3258955170980	5
E117099R	1/2" 6 PT STANDARD SOCKET 21MM	3258955170997	5
E117250R	1/2" 6 PT STANDARD SOCKET 22MM	3258955172502	5
E117251R	1/2" 6 PT STANDARD SOCKET 23MM	3258955172519	5
E117252R	1/2" 6 PT STANDARD SOCKET 24MM	3258955172526	5
E117253R	1/2" 6 PT STANDARD SOCKET 26MM	3258955172533	5
E117254R	1/2" 6 PT STANDARD SOCKET 27MM	3258955172540	5
E117255R	1/2" 6 PT STANDARD SOCKET 28MM	3258955172557	5
E117256R	1/2" 6 PT STANDARD SOCKET 29MM	3258955172564	5
E117257R	1/2" 6 PT STANDARD SOCKET 30MM	3258955172571	5
E117258R	1/2" 6 PT STANDARD SOCKET 32MM	3258955172588	5
E117265R	1/2" 6 PT LONG-REACH SOCKET 12MM	3258955172656	5
E117266R	1/2" 6 PT LONG-REACH SOCKET 13MM	3258955172663	5
E117267R	1/2" 6 PT LONG-REACH SOCKET 14MM	3258955172670	5
E117268R	1/2" 6 PT LONG-REACH SOCKET 15MM	3258955172687	5
E117269R	1/2" 6 PT LONG-REACH SOCKET 16MM	3258955172694	5
E117270R	1/2" 6 PT LONG-REACH SOCKET 17MM	3258955172700	5
E117271R	1/2" 6 PT LONG-REACH SOCKET 18MM	3258955172717	5
E117272R	1/2" 6 PT LONG-REACH SOCKET 19MM	3258955172724	5





SCREWING

Reference	Description	EAN	Units
E113976R	SLEEVE SET 9 LONG HEX KEYS SPH HEAD	3258955139765	5
E121102R	SLEEVE SET OF 7 TORX KEYS	3258955211027	5
E164983R	SCREWDRIVER PARALLEL 3,5X75	3258955649837	5
E165017R	SCREWDRIVER PARALLEL 4X100	3258955650178	5
E165476R	SCREWDRIVER PARALLEL 5,5X125	3258955654763	5
E165141R	SCREWDRIVER FLARED 6,5X150	3258955651410	5
E165138R	SCREWDRIVER FLARED 8X175	3258955651380	5
E160202R	SCREWDRIVER FLARED BOLSTER 6,5X150	3258955602023	5
E160203R	SCREWDRIVER FLARED BOLSTER 8X175	3258955602030	5
E160204R	SCREWDRIVER FLARED BOLSTER 10X200	3258955602047	5
E160505R	SCREWDRIVER T10X75	3258955605055	5
E160506R	SCREWDRIVER T15X75	3258955605062	5
E160507R	SCREWDRIVER T20X100	3258955605079	5
E160508R	SCREWDRIVER T25X100	3258955605086	5
E160509R	SCREWDRIVER T27X100	3258955605093	5
E160510R	SCREWDRIVER T30X125	3258955605109	5
E160511R	SCREWDRIVER T40X125	3258955605116	5
E165207R	SCREWDRIVER PH1X100	3258955652073	5
E165209R	SCREWDRIVER PH2X125	3258955652097	5
E160301R	SCREWDRIVER PH2X125 BOLSTER	3258955603013	5
E165335R	SCREWDRIVER PZ1X100	3258955653353	5
E165337R	SCREWDRIVER PZ2X125	3258955653377	5
E160401R	SCREWDRIVER PZ2X125 BOLSTER	3258955604010	5



PLEASE NOTE

All screwdriver sets are blister either packed or in promotional cardboard box.
Ratchet screwdrivers are blister packed.
50 refs of bits, per lot, are in transparent plastic boxes.





IMPACT SOCKETS

Reference	Description	EAN	Units
E113494R	1/2" IMPACT SOCKET 14MM	3258955134944	5
E113495R	1/2" IMPACT SOCKET 15MM	3258955134951	5
E113496R	1/2" IMPACT SOCKET 16MM	3258955134968	5
E113497R	1/2" IMPACT SOCKET 17MM	3258955134975	5
E113498R	1/2" IMPACT SOCKET 18MM	3258955134982	5
E113499R	1/2" IMPACT SOCKET 19MM	3258955134999	5
E113588R	1/2" IMPACT SOCKET 21MM	3258955135880	5
E113589R	1/2" IMPACT SOCKET 22MM	3258955135897	5
E113592R	1/2" IMPACT SOCKET 24MM	3258955135927	5
E113594R	1/2" IMPACT SOCKET 27MM	3258955135941	5
E113596R	1/2" IMPACT SOCKET 30MM	3258955135965	5
E113617R	1/2" IMPACT EXTENSION 125MM	3258955136177	5



PLIERS

Reference	Description	EAN	Units
E080205R	160MM ENGINEERS CUTTING PLIER	3258955802058	5
E080206R	180MM ENGINEERS CUTTING PLIER	3258955802065	5
E080209R	160MM ENGINEERS CUTTING PLIER	3258955802096	5
E080407R	160MM STRAIGHT LONG NOSE PLIER	3258955804076	5
E080408R	200MM STRAIGHT LONG NOSE PLIER	3258955804083	5
E080409R	160MM 1/2 ROUND NOSE - 40° ELBOWED PLIER	3258955804090	5
E080410R	200MM 1/2 ROUND NOSE - 40° ELBOWED PLIER	3258955804106	5
E080503R	160MM COMBINATION PLIER	3258955805035	5
E080504R	180MM COMBINATION PLIER	3258955805042	5
E050106R	170MM WIRE STRIPPER	3258955501067	5
E050415R	250MM MULTIGRIP PLIER 1000 VOLTS	3258955504150	5
E184690R	STD MULTIGRIP PLIER 240MM PVC GRIP	3258955846908	5
E084648R	250 MM PUSH-LOCK MULTI-GRIP PLIER	3258955846489	5
E050406R	ENGINEERS CUTTING PLIERS - INSULATED 1000V - VDE	3258955504068	5
E050408R	1/2 ROUND - STRAIGHT NOSE PLIERS - INSULATED 1000V - VDE	3258955504082	5
E050410R	1/2 ROUND NOSE - 40° ANGLED PLIERS - INSULATED 1000V - VDE	3258955804105	5
E050412R	160 MM COMBINATION PLIER - VDE	3258955504129	5
E050413R	180 MM COMBINATION PLIER - VDE	3258955504136	5
E050416R	170MM VDE WIRE STRIPPING PLIER	3258955504167	5
E084808R	185MM/7 1/2" LOCKG PLIER CURVED JAW	3258955848087	5
E080701R	250MM LARGE-CAPACITY LOCK-GRIP PLIER	3258955807015	5
E084648R	250MM TWIN SLIP-JOINT MULTIGRIP PLIERS	3258955846489	5
E084808R	SHORT NOSE SINGLE ADJUST LOCK-GRIP PLIERS	3258955848087	5
E117903R	CRIMPING PLIER	3258955179037	5
E184182R	RUSSIAN PINCER 280MM	3258955841828	5



PLEASE NOTE
All sets of pliers are on card.



HAMMERS

Reference	Description	EAN	Units
E150102R	DIN HAMMER 30MM	3258955501029	5
E150103R	DIN HAMMER 50MM	3258955501036	5
E150104R	DIN HAMMER 80MM	3258955501043	5
E154668R	ENGINEERS HAMMER 32MM	3258955546686	5
E154670R	ENGINEERS HAMMER 40MM	3258955546709	5
E154674R	ENGINEERS HAMMER 55MM	3258955546747	5
E150302R	FACEmALLET 32MM	3258955503023	5



OTHERS

Reference	Description	EAN	Units
E020902R	AIRCRAFT SHEARS R CUT CONFORT HANDLE	3258955209024	5
E020903R	AIRCRAFT SHEARS L CUT CONFORT HANDLE	3258955209031	5
E117821R	PIPE WRENCH 10"	3258955178214	5
E117822R	PIPE WRENCH 14"	3258955178221	5

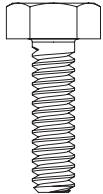
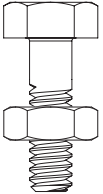
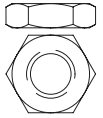
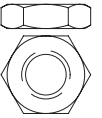


PLEASE NOTE

The packaging of many other products has been designed for presentation on merchandisers.



6 POINT BOLTS

	METRIC SCREWS (Ø of screw in mm)		METRIC SCREWS (Ø of screw in mm)	
Fixed wrench openings 	 		 	
	NF EN ISO 4018	NF EN ISO 4014	NF EN ISO 4035	NF EN ISO 4032
3,2		1,6	1,6	1,6
4		2	2	2
4,5		2,3	2,2+2,3	2,2+2,3
5		2,5+2,6	2,5+2,6	2,5+2,6
5,5		3	3	3
6		3,5	3,5	
7		4	4	4
8	5	5	5	5
9				
10	6	6	6	6
11	7	7	7	7
12				
13	8	8	8	8
14				
15				
16	(10)	(10)	(10)	
17	10	10	10	10
18	(12)	(12)	(12)	(12)
19	12	12	12	12
20				
21	(14)	(14)	(14)	(14)
22	14	14	14	14
23				
24	16	16	16	16
25				
26				
27	18	18	18	18
28				
29				
30	20	20	20	20
32	22	22	22	22

(): ISO 691

SLOTTED HEAD SCREWS



CONFORMS TO THE STANDARDS : NF - E74352 / ISO 2380 - 1 / DIN 5263

	METRIC SCREWS (Ø of screw in mm)					METAL SCREWS (Ø of screw in mm)			WOOD SCREWS (Ø of screw in mm)		
	Countersunk head	Oval counter-sunk head	Cheese head	Wide cheese head	Headless	Countersunk head	Oval counter-sunk head	Cheese head	Countersunk head	Oval counter-sunk head	Round head
A x B	NF EN ISO 2009	NF EN ISO 2010	NF EN ISO 1207	NF EN ISO 1580	NF EN 24766	NF EN ISO 1482	NF EN ISO 1483	NF E 1481	NF E 25-604	NF E 25-605	NF E 25-606
0,4 x 2	1,6				2,5+3				1,6		1,6
0,4 x 2,5		1,6	1,6+1,8	1,6	3,5					1,6	2
*0,5 x 3	2	2	2	2	4	2,2	2,2	2,2	2,2	2	
0,6 x 4			2				2,2				
0,6 x 3,5	2,5	2,5	2,5	2,5				2,2	2,5	2,5	2,5
*0,6 x 4,5		2,5	2,5				2,2			2,5	
0,8 x 4	3	3	3	3+3,5	5	2,9	2,9	2,9	3	3	3
*0,8 x 5,5	3,5	3,5	3	3+3,5							3,5
1 x 5,5	3,5+4	3,5+4	3,5	4		3,5/3,9	3,5/3,9	3,5+3,9	4+4,5	4+4,5	4+4,5
1,2 x 6,5	4+5	4+5	4		8	4,2+4,8	4,2+4,8		5	5	5+5,5
1,2 x 8		5	5			4,8	4,2+4,8	5,5	5,5		
1,6 x 8	6	6			10+12	5,5+6,3	5,5+6,3		6	6	6
1,6 x 10		6	6	14		6,3	5,5+6,3	7+8	7		
2 x 12	8	8	8	8	16	8	8	8		8	7+8

* For screw drivers only

PHILLIPS® AND POZIDRIV® HEADS



		METRIC SCREWS (Ø of screw in mm)		METAL SCREWS (Ø of screw in mm)			WOOD SCREWS (Ø of screw in mm)		
		Oval countersunk head	Cheese head	Cheese head	Countersunk head	Oval countersunk head	Oval countersunk head	Round head	Countersunk head
PH	PZ	NF EN ISO 7044-1 NF EN ISO 7046-2 NF EN ISO 7047	NF EN ISO 7045	NF EN ISO 7049	NF EN ISO 7050	NF EN ISO 7051	NF E 25-602	NF E 25-603	NF E 25-601
*00									
0	0	1,6	1,6	(2,2)	(2,2)	(2,2)	2	2	2
		2	1,8						
1	1	2,5	2	2,2	2,2	2,2	2,5	2,5	2,5
		3	2,5+3	2,9	2,9	2,5+2,9	3	3	3
		3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5
2	2	4	4	4,2	4,2	4,2	4+4,5	4+4,5	4+4,5
		5	5	4,8	4,8	4,8	5	5	5
							5,5	5,5	5,5
3	3	6	6	5,5	5,5	5,5	6	6	6
				6,3	6,3	6,3	7	7	7
4	4	8	8	8	8	8	8	8	8
		10	10	9,5	9,5	9,5			

*SPECIAL SCREWS

TORX® HEAD



		METRIC SCREWS (Ø of screw in mm)				METAL SCREWS (Ø of screw in mm)		
		Cheese head 	Countersunk head 	Oval countersunk head 	Oval cheese head 	Cheese head 	Countersunk head 	Oval countersunk head
		NF EN ISO 14583	NF E 25-107	NF EN ISO 14584	NF EN ISO 14579	NF EN ISO 14585	NF EN ISO 14586	NF EN ISO 14587
T6	1,65	X	X	X	X	X	X	X
T7	1,97	X	X	X	X	X	X	X
T8	2,30	2,5	2,5	2,5	2,5	2,9	2,9	2,9
T9	2,48					2,9		
T10	2,72	3	3	3	3	3,5	3,5	3,5
T15	3,26		3,5	3,5	3,5	3,9	3,9	3,9
T20	3,84	4	4	4	4	4,2	4,2	4,2
T25	4,40	5	5	5	5	4,8+5,5	4,8+5,5	4,8+5,5
T27	4,96	XX	XX	XX	XX	XX	XX	XX
T30	5,49	6	6	6	6	6,3	6,3	6,3
T40	6,60	8	8	8	8			
T45	7,77	XXX	XXX	XXX	XXX	XXX	XXX	XXX
T50	8,79	10	10	10	10			

SPECIAL SCREWS: X : 1,6 - 2 XX : 4,5 - 5 - 6 XXX : 8 - 10

HEXAGONAL KEYS - 6 POINT SCREWS



	METRIC SCREWS (Ø of screw in mm)				
	Cheese head 	Countersunk head 	Headless 	Needle headless 	Titanium headless
	NF EN ISO 4762	NF EN ISO 10642	NF EN ISO 4026 / NF EN ISO 4029	NF EN ISO 4027	NF EN ISO 4028
0,9			2	2	2
1,3	1,4		2,5	2,5	2,5
1,5	1,6+2		3	3	3
2	2,5	3	4	4	4
2,5	3	4	5	5	5
3	4	5	6	6	6
4	5	6	8	8	8
5	6	8	10	10	10
6	8	10	12+14	12+14	12+14
7					
8	10	12	16	16	16
10	12	14+16	18+20	18+20	18+20
12	14	18+20	22+24	22+24	22+24
14	16+18	22+24			
17	20+22				
19	24+27				
22	30				
24	33				

"4-IN-1" RATCHETS - MM.....	32	1/2" TORX® SOCKET AND TORX® SCREWDRIVER BIT SOCKET SET - 16 PIECES.....	78	1000 VOLT INSULATED SCREWDRIVERS FOR SLOTTED HEAD SCREWS.....	219
1/2" - 3/4" MAGNETIC COUPLER.....	88	1/2" TORX® SOCKETS.....	92	11-PIECE 1/2" IMPACT WRENCH AND SOCKET FOAM MODULE.....	149
1" DEEP IMPACT SOCKETS.....	157	1/2" UNIVERSAL JOINT.....	89	11-PIECE 3/4" IMPACT WRENCH AND SOCKET FOAM MODULE.....	153
1" EXTENSIONS.....	101	1/2" XZN® M18 IMPACT SOCKET.....	253	12-PIECE BOX OF IMPACT SCREWDRIVERS.....	127
1" IMPACT LONG-REACH EXTENSION.....	156	1/2" XZN® SCREWDRIVER SOCKET SET - 26 PIECES.....	79	12-PIECE BOX OF IMPACT SCREWDRIVERS.....	249
1" IMPACT SOCKETS.....	157	1/4" - 25 MM POZIDRIV® TORSION BITS.....	128	12-POINT X 6-POINT - METRIC.....	39
1" IMPACT WRENCH.....	144	1/4" - 25 MM RESISTORX® BITS.....	131	125MM GRINDER.....	145
1" IMPACT WRENCH.....	143	1/4" - 25 MM SLOTTED BITS.....	130	12V BOOSTER.....	239
1" LONG ANVIL IMPACT WRENCH.....	144	1/4" - 25 MM TORX® BITS.....	131	13 PIECE DRAIN-PLUG BITS SET.....	234
1" METRIC HEX SOCKETS.....	101	1/4" - 3/8" - 1/2" TORX® SOCKET SET - 13 PIECES.....	51	14-PIECE BOX OF 1/2" SOCKETS.....	83
1" RATCHET.....	100	1/4" - 3/8" MAGNETIC COUPLER.....	60	150MM METAL HACKSAW BLADE.....	187
1" SLIDING T-HANDLE.....	100	1/4" - 3/8" SOCKET SET - 9 PIECES.....	52	15W RECHARGEABLE SPOTLIGHT ON HOLDER.....	196
1" SOCKET SET - 14 PIECES.....	100	1/4" - 50 MM HEX BITS.....	132	18 MM UTILITY KNIFE.....	192
1" TO 3/4" COUPLER.....	101	1/4" - 50 MM PHILLIPS® BITS.....	131	18-PIECE SET OF 1/2" SOCKETS ON RACK.....	83
1" TO 3/4" IMPACT SOCKET COUPLER.....	154	1/4" - 50 MM POZIDRIV® BITS.....	131	1MODULE.....	264
1/2 ROUND - STRAIGHT NOSE PLIERS - INSULATED 1000V - VDE.....	216	1/4" "MINI" AIR RATCHET.....	146	2 PIECE PLIER SET.....	160
1/2 ROUND NOSE - 40° ANGLED PLIERS - INSULATED 1000V - VDE.....	217	1/4" & 1/2" SOCKET AND ACCESSORY SET - 98 PIECES.....	51	2 PIECE PLIER SET - 1000V INSULATED - VDE.....	216
1/2 ROUND NOSE - 40° ELBOWED PLIERS.....	164	1/4" & 1/2" SOCKET, WRENCH AND ACCESSORY SET - 101 PIECES.....	50	2- COLOUR STICKERS (PACK 25).....	267
1/2" 12-POINT LONG SOCKETS - INCH.....	92	1/4" 12-POINT SOCKETS - METRIC.....	61	2-IN-1 TELESCOPIC MIRROR.....	231
1/2" 12-POINT LONG SOCKETS - METRIC.....	91	1/4" 12-POINT SOCKETS - SAE.....	62	2-LEG PULLER.....	211
1/2" 12-POINT SOCKETS - INCH.....	90	1/4" BIT AND SOCKET SET - 39 PIECES.....	128	22-PIECE SET OF 1/4" SOCKETS.....	56
1/2" 12-POINT SOCKETS - METRIC.....	90	1/4" BIT HOLDER DRIVER.....	132	25-PIECE BOX OF 1/2" SOCKETS.....	83
1/2" 6-POINT LONG SOCKETS - METRIC.....	91	1/4" BIT HOLDER LOCKING DRIVER.....	135	26-PIECE BOX OF 1/2" SOCKETS.....	82
1/2" 6-POINT LONG-REACH DRIVER SOCKETS SET - 6 PIECES.....	80	1/4" BIT SET - 32 PIECES.....	129	28-PIECE BOX OF 1/2" SOCKETS.....	82
1/2" AIR RATCHET.....	147	1/4" BIT SET WITH REVOLVER RATCHETING SCREWDRIVER - 59 PIECES.....	133	2MODULES.....	264
1/2" ANGLEGRIP WITH BAR.....	86	1/4" BITS SET - 19 PIECES.....	129	3 PIECE PLIER SET.....	160
1/2" BREAKER BARS.....	85	1/4" COLLET ANGLE DIE GRINDER.....	145	3 PIECE PLIER SET - 1000V INSULATED - VDE.....	217
1/2" COMPACT IMPACT WRENCH.....	142	1/4" COLLET STRAIGHT DIE GRINDER.....	145	3-PIECE SET OF MAGNETIC COUPLERS.....	52
1/2" DEEP IMPACT SOCKETS - HEX - METRIC.....	152	1/4" COUPLER TO 1/4" BIT.....	60	3/4" 12-POINT SOCKETS - INCH.....	99
1/2" DEEP SOCKETS MODULE - 10 PIECES.....	81	1/4" DEEP 6-POINT SOCKETS - METRIC.....	62	3/4" 6-POINT SOCKETS - METRIC - 18 PIECES.....	95
1/2" DRIVE ACCESSORY MODULE - 8 PIECES.....	81	1/4" EXTENSIONS.....	59	3/4" BREAKER BAR.....	97
1/2" DRIVE ANGLE BAR.....	86	1/4" HEX SCREWDRIVER BIT SOCKETS.....	64	3/4" DEEP IMPACT SOCKETS - METRIC.....	155
1/2" DRIVE LONG-REACH TORX® BIT SOCKETS.....	94	1/4" HEX SOCKETS - METRIC.....	61	3/4" EXTENSIONS.....	97
1/2" DRIVE LONG-REACH XZN® BIT SOCKETS.....	94	1/4" HINGED HEAD RATCHET.....	58	3/4" IMPACT EXTENSIONS.....	153
1/2" EXTENSIONS.....	87	1/4" LONG 12-POINT SOCKETS - METRIC.....	63	3/4" IMPACT SOCKETS - METRIC.....	155
1/2" FLEXIBLE EXTENSION 200MM.....	87	1/4" LONG 12-POINT SOCKETS - SAE.....	63	3/4" IMPACT UNIVERSAL JOINT.....	154
1/2" HEX DRIVER SET - 13 PIECES.....	80	1/4" LONG-REACH HEX SOCKETS - SAE.....	63	3/4" IMPACT WRENCH - 1017 NM.....	143
1/2" HEX SCREWDRIVER BIT SOCKET SET - 8 PIECES.....	80	1/4" MAGNETIC BIT HOLDER.....	135	3/4" IMPACT WRENCH - 1400 NM.....	143
1/2" HEX SCREWDRIVER BIT SOCKETS.....	93	1/4" METAL HANDLE PEAR HEAD RATCHET.....	58	3/4" RATCHET.....	96
1/2" HEX SCREWDRIVER SOCKET SET - 30 PIECES.....	79	1/4" MINI RATCHET BIT HOLDER DRIVER.....	132	3/4" RATCHET WITH HANDLE.....	95
1/2" HINGED HEAD RATCHET.....	85	1/4" PEAR HEAD RATCHET.....	58	3/4" SLIDING T-HANDLE.....	96
1/2" HINGED RATCHET HANDLE.....	85	1/4" PHILLIPS® SCREWDRIVER BIT SOCKETS.....	65	3/4" SOCKET SET - 14 PIECES.....	95
1/2" IMPACT EXTENSIONS.....	151	1/4" POZIDRIV® SCREWDRIVER BIT SOCKETS.....	65	3/4" TO 1" COUPLER.....	98
1/2" IMPACT SCREWDRIVER HEX BIT.....	153	1/4" RESISTORX® SCREWDRIVER BIT SOCKETS.....	65	3/4" TO 1/2" COUPLER.....	97
1/2" IMPACT SOCKETS - HEX - METRIC.....	152	1/4" ROUND HEAD RATCHET.....	58	3/4" TO 1/2" IMPACT SOCKET COUPLER.....	154
1/2" IMPACT UNIVERSAL JOINT.....	151	1/4" SLIDING T HANDLE.....	59	3/4" UNIVERSAL JOINT.....	98
1/2" IMPACT WRENCH.....	142	1/4" SLOTTED-HEAD SCREWDRIVER BIT SOCKETS.....	64	3/4" UNIVERSAL JOINT FOR BAR.....	98
1/2" METAL HANDLE PEAR HEAD RATCHET.....	84	1/4" SOCKET AND ACCESSORY MODULE - 45 PIECES.....	57	3/8" - 1/2" MAGNETIC COUPLER.....	71
1/2" METRIC HEX SOCKETS.....	89	1/4" SOCKET AND ACCESSORY MODULE - 67 PIECES.....	57	3/8" - 12-POINT SOCKETS - METRIC.....	72
1/2" OIL FILTER CHAINS.....	235	1/4" SOCKET AND ACCESSORY SET - 34 PIECES.....	55	3/8" "MINI" AIR RATCHET.....	147
1/2" PEAR HEAD RATCHET.....	84	1/4" SOCKET AND ACCESSORY SET - METRIC - 19 PIECES.....	55	3/8" 12-POINT SOCKET AND ACCESSORY SET - 22 PIECES.....	66
1/2" ROUND HEAD RATCHET.....	84	1/4" SOCKET AND ACCESSORY SET - METRIC - 42 PIECES.....	54	3/8" 6-POINT INCH SOCKET SET - 13 PIECES.....	67
1/2" SCREWDRIVER AND TORX® BITS SOCKET MODULE - 33 PIECES.....	81	1/4" SOCKET AND ACCESSORY SET - METRIC AND INCH - 73 PIECES.....	54	3/8" 6-POINT METRIC LONG REACH SOCKETS.....	74
1/2" SCREWDRIVER LONG REACH BIT FOR HEX COUNTERSUNK HEAD SCREWS.....	93	1/4" SOCKET HOLDER.....	135	3/8" 6-POINT SOCKETS - INCH.....	73
1/2" SCREWDRIVER SOCKETS FOR XZN® SCREWS.....	94	1/4" SOCKET NUT HANDLE.....	59	3/8" 6-POINT SOCKETS - METRIC.....	73
1/2" SLIDING T-HANDLE.....	87	1/4" SOCKET SET - 13 PIECES.....	56	3/8" AIR RATCHET.....	147
1/2" SOCKET AND ACCESSORY SET - METRIC - 22 PIECES.....	77	1/4" TO 3/8" COUPLER.....	60	3/8" DEEP HEX SOCKET SET - 15 PIECES.....	66
1/2" SOCKET AND ACCESSORY SET - METRIC - 42 PIECES.....	77	1/4" TORX® SCREWDRIVER BIT SOCKETS.....	65	3/8" DRAIN PLUG DRIVE BITS.....	234
1/2" SOCKET AND ACCESSORY SET - METRIC AND INCH - 55 PIECES.....	77	1/4" UNIVERSAL JOINT.....	60	3/8" DRAIN PLUG FEMALE BIT - 10MM.....	234
1/2" SOCKET SET - 16 PIECES.....	78	1/4" WOBBLE EXTENSION.....	59	3/8" DRAIN PLUG HEX BITS.....	234
1/2" SOCKET SET - METRIC - 10 PIECES.....	78	1/4"-3/8" METRIC SOCKET AND ACCESSORY MODULE - 62 PIECES.....	50	3/8" DRAIN PLUG MALE TRIANGLE BIT - 10MM.....	234
1/2" SOCKETS AND ACCESSORY MODULE - 21 PIECES.....	81	10 PARTITIONS FOR ANGLED SHELF.....	265	3/8" DRAIN PLUG MALE XZN® BIT - 16MM.....	234
1/2" SPEED BRACE.....	86	10-PIECE 1/2" IMPACT WRENCH AND SOCKET FOAM MODULE.....	149	3/8" EXTENSIONS.....	70
1/2" TO 3/4" COUPLER.....	88	100-PIECE BOX OF 1/4" BITS.....	128	3/8" HEX SCREWDRIVER BIT SOCKETS.....	75
1/2" TO 3/8" COUPLER.....	88	1000 V INSULATED SCREWDRIVERS FOR POZIDRIV® SCREWS.....	219	3/8" HINGED BREAKER BAR.....	70
1/2" TO 5/16" COUPLER.....	88	1000 VOLT INSULATED SCREWDRIVERS FOR PHILLIPS® HEAD SCREWS.....	219	3/8" HINGED HEAD RATCHET.....	69
1/2" TORX® SCREWDRIVER BIT SOCKETS.....	93			3/8" HINGED RATCHET HANDLE.....	69
1/2" TORX® SCREWDRIVER SOCKET SET - 32 PIECES.....	78			3/8" LONG 6-POINT SOCKETS - INCH.....	74

ALPHABETICAL INDEX

3/8" PHILLIPS® SCREWDRIVER BIT SOCKETS.....	76
3/8" POZIDRIV® SCREWDRIVER BIT SOCKETS.....	76
3/8" REVERSIBLE DRILL.....	144
3/8" ROUND HEAD RATCHET.....	68
3/8" SLIDING T-HANDLE.....	70
3/8" SLOTTED-HEAD SCREWDRIVER BIT SOCKETS.....	76
3/8" SOCKET AND ACCESSORY SET - 50 PIECES.....	67
3/8" SOCKET AND ACCESSORY SET - METRIC - 61 PIECES.....	66
3/8" SOCKET WITH 1/4" BIT HOLDER.....	71
3/8" SPEED BRACE.....	69
3/8" TO 1/2" COUPLER.....	72
3/8" TO 1/4" COUPLER.....	71
3/8" TORX® BIT SET+D38 - 4 PIECES.....	75
3/8" TORX® SCREWDRIVER BIT SOCKETS.....	76
3/8" TORX® SOCKETS.....	75
3/8" UNIVERSAL JOINT.....	72
3/8" WOBBLE EXTENSION - 200MM.....	71
300MM BI-METAL HACKSAW BLADE.....	186
32-PIECE SET OF 1/2" RIBE SCREWDRIVER SOCKETS.....	79
35W WIRED SPOTLIGHT.....	196
36-PIECE BOX OF 1/2" SOCKETS.....	82
3MODULES.....	264
4 PIECE PLIER SET.....	160
4 PIECE PLIER SET.....	160
4-PIECE PLIER SET IN A PLASTIC MODULE.....	161
4-PIECE SET OF 1" LONG-REACH IMPACT SOCKETS ON RACK.....	156
4-WHEEL TROLLEY.....	228
44-PIECE SET OF 1/4" - 1/2" METRIC RATCHETS.....	53
45° SWEDISH TYPE PIPE WRENCHES.....	208
6 DRAWERS ROLLER CABINET - 3 MODULES PER DRAWER... 9	
6 X 6 BOX WRENCHES.....	40
6 X 6 POINT FLARE NUT WRENCHES.....	42
6-POINT T-HANDLE SPINNER KEYS.....	126
61-PIECE BOX OF 1/4" BITS.....	129
6X6 SIDED STRAIGHT BOX WRENCHES.....	41
7 DRAWERS ROLLER CABINET - 3 MODULES PER DRAWER..... 9	
7 DRAWERS ROLLER CABINET - 3 MODULES PER DRAWER.....	10
7 PIECE PLIER AND SCREWDRIVER SET.....	161
7-PIECE HOSE CLAMP PLIERS SET.....	243
74 PIECE SCREWDRIVER MODULE.....	127
8-PIECE SET OF 1" IMPACT SOCKETS ON RACK.....	156
9 MM UTILITY KNIFE.....	192
90° SWEDISH TYPE PIPE WRENCHES.....	208

A

ACCESSORIES.....	197
ACID HYDROMETER.....	240
ADJUSTABLE HACK SAW - WOOD HANDLE.....	186
ADJUSTABLE OIL-FILTER WRENCH.....	235
ADJUSTABLE OIL-FILTER WRENCH - HGV.....	235
ADJUSTABLE WRENCHES.....	43
AIR RIVETER.....	146
ALTERNATOR PULLEY SET - 13 PIECES.....	247
ALTERNATOR PULLEY SET - 22 PIECES.....	247
ALUMINIUM AND PLASTIC WORKSHOP TROLLEY.....	14
ALUMINIUM PIPE WRENCHES.....	208
AND ACCESSORIES.....	53
ANGLED SHELF.....	265
ANGLED SOCKET WRENCHES.....	39
ANGLED UPHOLSTERY CLIP PLIERS.....	255
ANGULAR TIGHTENING WRENCH WITH BAR.....	246
ANGULAR TIGHTENING WRENCH WITH MAGNETIC HOSE.....	246
ANTI-FREEZE HYDROMETER.....	245
ARTICULATED INSPECTION LAMP.....	198
AUTOMATIC CENTRE PUNCHES.....	183
AUTOMATIC WIRE STRIPPER.....	215
AVIATION SHEARS.....	190

B

BALANCING WEIGHT PLIERS.....	251
BALL PEIN HAMMERS.....	179
BARS.....	42
BATTERY TERMINALS PULLER.....	239
BATTERY TESTER.....	240
BEARING PULLER KIT - ALL MAKES.....	254
BEARING PULLER KIT - FRENCH CARS.....	254
BEND NOSE PLIERS.....	224
BI-MATERIAL ADJUSTABLE WRENCH.....	44
BI-MATERIAL HANDLE SCISSORS.....	221
BIT DRIVER.....	134
BLADE-HOLDER SCREWDRIVER.....	135
BLADES FOR BOLT CROPPERS.....	189
BODYWORK TRESTLE.....	256
BRAKE CALIPER WIND BACK TOOL SET.....	249
BRAKE FLUID TESTER.....	248
BRAKE FLUID TESTER.....	249
BREAKAWAY SAFETY ADAPTER.....	139
BRUSH FOR BRAKES WIRE BRUSH.....	249

C

CANTED HEAD HAMMERS.....	180
CARBIDE PEN SCRIBER - 150 MM.....	175
CHAIN WRENCH.....	210
CHAMFER SHEARS - THIN BLADE.....	191
CLIP REMOVAL TOOL.....	255
CLIP-ON MULTIMETER.....	241
COARSE AXIAL CUTTING PLIERS.....	225
COLD CUTTING WINDSHIELD KNIFE.....	262
COMBINATION PLIERS.....	162
COMBINATION PLIERS - INSULATED 1000V - VDE.....	217
COMBINATION WRENCH MODULES.....	25
COMBINATION WRENCHES - METRIC.....	22
COMBINATION WRENCHES - SAE.....	23
COMPOUND SCROLL SHEARS.....	190
CONSTANT PROFILE CHISELS.....	183
COOLANT COLLECTION TRAY.....	245
COOLING SYSTEM TESTER KIT.....	245
COPPER CABLE CUTTER.....	214
COPPER RAWHIDE HAMMERS.....	180
COPPER-PIPE CUTTER.....	210
CRIC 3T.....	228
CRIMPING PLIERS.....	214
CRIMPING PLIERS.....	214
CRIMPING PLIERS FOR NON INSULATED TERMINALS.....	214
CROSS BRACES.....	252

D

DEAD-BLOW HAMMERS.....	181
DEEP IMPACT SOCKET MODULE - 1/2" - 25 PIECES.....	150
DIESEL INJECTION PRIMER TOOL.....	244
DIGITAL MULTIMETER.....	241
DIN HAMMERS.....	179
DIN OPEN END WRENCHES.....	36
DISC BRAKE VERNIER CALLIPER.....	250
DOOR OPENING KIT - 9 PIECES.....	256
DRAIN-PLUG WRENCH.....	233
DRIFT PUNCHES.....	182
DUAL-BLADE ELECTRICIANS KNIFE.....	220

E

ELECTRICIANS CUTTING PLIERS.....	163
ELECTRICIANS KNIFE WITH WIRE STRIPPER.....	220
ELECTRICIANS SCISSORS.....	221
ENGINEERS CUTTING PLIERS.....	163
ENGINEERS CUTTING PLIERS - INSULATED 1000V - VDE.....	216
EXHAUST CLIP REMOVAL PLIER.....	247
EXPANDABLE MAGNETIC PARTS TRAY.....	14
EXPERT 1MMERCHANDISER.....	265
EXTRA FLAT CHISEL 26 MM.....	183

F

FABRIC TOOL BOX.....	17
FINE FLUSH CUTTING PLIERS.....	225
FLAG E900309.....	267
FLARE-NUT WRENCH.....	250
FLAT FILES.....	188
FLAT PLIER - STRAIGHT NOSE - 160 MM.....	165
FLAT-NOSE PLIERS.....	224
FLEX HEAD RATCHET COMBINATION WRENCHES - METRIC.....	30
FLEXIBLE LAMP.....	201
FLEXIBLE NUT SPINNERS.....	243
FLEXIBLE RULE - 200 MM.....	174
FLEXIBLE UV LAMP.....	201
FLUID CHANGE SYRINGE.....	248
FLUID EXTRACTOR.....	230
FLUID RESERVOIR.....	248
FLUSH CUT PLIERS.....	164
FLUSH CUT PLIERS.....	164
FOR ANY ORDER PER PACKAGING UNIT.....	266
FRONT CUTTING PLIERS - 160 MM.....	163
FUEL HOSE CLAMP.....	244

G

GAS PLIERS.....	209
GENERAL PURPOSE SCISSORS.....	193
GLASS CUTTER.....	206
GREASE GUN.....	207

H

HACK SAW - REVOLVER HANDLE.....	186
HALF-ROUND FILES.....	188
HAMMER, PUNCH AND CHISEL SET.....	178
HAMMERS.....	273
HANDLE FOR 3/4" RATCHET.....	96
HEAVY DUTY END NIPPERS.....	168
HEX BITS 25 MM - 1/4".....	130
HEX MAGNETIC NUT SOCKET.....	132
HEX, TORX®, XZN® SCREWDRIVER SOCKET SET - 38 PIECES.....	52
HGV NUT WRENCHES.....	252
HGV PUMP SUCTION CUP.....	258
HOLLOW-PUNCH GUN.....	206
HOOK AND PIN WRENCHES.....	45
HOSE CLAMP PLIERS.....	243

I

IMPACT SOCKET 1/2" BIT HOLDER 1/2".....	151
IMPACT SOCKET AND ACCESSORIES MODULE - 1/2" - 26 PIECES.....	150
IMPACT SOCKET MODULE - 1/2" - 17 PIECES.....	150
IMPACT SOCKET SET - 1/2" - 17 PIECES.....	148
IMPACT SOCKET SET - 3/8" - 9 PIECES.....	148
IMPACT SOCKETS.....	272
INFLATABLE DOOR OPENING CUSHION.....	256
INFRARED THERMOMETER.....	240
INSIDE 90° NOSE CIRCLIP® PLIER.....	167
INSPECTION CREEPER.....	229
INSTRUMENT PANEL PROTECTION.....	262
INTERCHANGEABLE TIP MALLETS.....	181

K

KNEE PROTECTION PAD.....	206
KNEE PROTECTION PAD.....	229
KNIFE BLADES.....	262

L

LADY FOOT PRY BARS	205
LADY FOOT PRY BARS	230
LARGE-CAPACITY LOCK-GRIP PLIERS	169
LED MINI FLEXIBLE LAMP WITH MAGNETIC BASE	201
LEGS	211
LONG ANGLED TWEEZERS - 155MM	223
LONG COMBINATION WRENCHES - METRIC	26
LONG HEX KEYS - METRIC	118
LONG IMPACT SOCKET SET - 1/2" - 14 PIECES	148
LONG NOSE SINGLE ADJUST LOCK-GRIP PLIERS	168
LONG REACH LOCK-GRIP PLIERS	169
LONG SPHERICAL HEAD HEX KEYS - METRIC	120
LONG SPHERICAL HEAD HEX KEYS - SAE	120
LONG STRAIGHT TWEEZERS - 160MM	223

M

MAGNETIC FLEXIBLE PICK-UP TOOL	231
MAGNETIC HOLDER FOR 1/2" IMPACT WRENCHES	142
MAGNETIC LED FLEXIBLE CLAW	199
MAGNETIC LED FLEXIBLE CLAW	231
MAGNETIC LEVELS	173
MAGNETIC LIGHT	200
MAINTENANCE SUITCASE	204
MEASURING AND CUTTING MODULE	172
MEASURING AND CUTTING MODULE	172
MECHANICS SCREWDRIVER FOR SLOTTED HEAD SCREWS	114
METAL TOOLBOX WITH 5 COMPARTMENTS 450 MM AND 535 MM	16
METAL WORKBENCH	13
METRIC AND 1 ADJUSTABLE WRENCH	33
METRIC FEELER GAUGES	237
METRIC LONG FEELER GAUGES	237
METRIC NUT SPINNERS	116
MINI FLAT BLADE SCREWDRIVER	116
MINI RATCHET BIT HOLDER DRIVER	134
MINI SAW	186
MINI SCRAPER	263
MINI-SCRAPER E201209	266
MOBILE WINDSCREEN HOLDER	257
MODULE OF 11 OPEN END WRENCHES - METRIC	35
MODULE OF 12 RATCHET ING COMBINATION WRENCHES - METRIC	33
MODULE OF 4 CIRCLIP® PLIER	166
MODULE OF 4 FILES	187
MODULE OF 6 TORX SCREWDRIVERS	107
MODULE OF 7 RATCHETING COMBINATION WRENCHES	33
MODULE OF 7 T-HANDLE TORX® KEYS	125
MODULE OF 8 OFFSET RING WRENCHES - METRIC	38
MODULE OF 8 SCREWDRIVERS	106
MODULE OF 8 T-HANDLE HEX KEYS	123
MULTI PURPOSE SHEARS	193
MULTI-BIT MICRO SCREWDRIVERS SET	222
MULTI-PURPOSE MINI SUCTION CUP	259
MULTI-PURPOSE SUCTION CUP	259
MULTI-TOOL SET 124 PIECES	19
MULTI-TOOL SET 126 PIECES	19
MULTIFUNCTION TESTER	242
MULTIGRIP / LOCK-GRIP PLIER MODULE	161
MULTIGRIP PLIER - 240 MM	162
MULTIGRIP PLIERS - 1000V INSULATED - VDE	216

N

NYLON INTERCHANGEABLE TIPS	181
----------------------------------	-----

O

OFFSET COMBINATION WRENCHES - METRIC	27
OFFSET OPEN SOCKETS	244
OFFSET RING WRENCHES - METRIC	37
OIL CANS	207

OIL CHANGE COLLECTION AND STORAGE TRAY	232
OIL CHANGE COLLECTION TRAY	232
OIL CHANGE FOAM MODULE	235
OIL CHANGE SYRINGE	232
OIL FUNNEL	233
OIL-FILTER CAP WRENCHES	236
OPEN END WRENCHES - METRIC	34
ORBITAL SANDER 15 MM - 5 MM	146
OTHERS	273
OUTDOOR BANNER E900310	267
OUTSIDE 90° NOSE CIRCLIP® PLIER	167

P

PAIR OF AXLE STANDS	229
PAIR OF SUCTION CUPS	257
PEN LIGHT	198
PHILLIPS® TORSION BITS 25 MM - 1/4"	130
PIPE FLARING TOOL SET	249
PIPEWORK WRENCHES	209
PLASTIC OIL CAN	232
PLASTIC TOOLBOX 410MM AND 490 MM	16
PLIERS	272
POZIDRIV® TORSION BITS 25 MM - 1/4"	130
PROFESSIONAL SPRAYER	228
PUNCHES	182

R

RATCHET BIT DRIVER	134
RATCHET STRAP	257
REPAIR KIT FOR OIL PANS - 64 PIECES	233
REPAIR KIT FOR SPARK PLUGS - 16 PIECES	238
RESISTORX® KEYS	122
RESISTORX® SCREWDRIVERS	109
REVERSIBLE RATCHET COMBINATION WRENCHES - METRIC	28
REVOLVER RATCHET ING BIT DRIVER	133
RIVETING HAMMERS	178
RIVETING PLIERS 270 MM	206
ROLLER BACKPACK	17
ROUND FILES	188
ROUND SUPPORT	197
ROUND-NOSE PLIER - 170 MM	165
RUBBER TIP FOR BRAKE BLEED	248

S

SAFETY KNIFE	193
SCAFFOLD WRENCH 19MM	45
SCAFFOLDING WRENCHES	45
SCAFFOLDING WRENCHES	205
SCRAPER	204
SCRAPER	263
SCREW	211
SCREWDRIVER FOR ELECTRICIAN SLOTTED HEAD SCREWS	114
SCREWDRIVER FOR PHILLIPS® SCREW WITH BOLSTER	110
SCREWDRIVER FOR PHILLIPS® SCREWS	115
SCREWDRIVER FOR POZIDRIV® SCREWS	115
SCREWDRIVER RACK	265
SCREWDRIVERS FOR PHILLIPS® SCREWS	110
SCREWDRIVERS FOR POZIDRIV® SCREWS	111
SCREWDRIVERS FOR POZIDRIV® SCREWS WITH BOLSTER	111
SCREWDRIVERS FOR SLOTTED HEAD SCREWS (FLARED)	108
SCREWDRIVERS FOR SLOTTED HEAD SCREWS (PARALLEL)	108
SCREWDRIVERS FOR SLOTTED HEAD SCREWS WITH BOLSTER (FLARED)	108
SCREWING	271
SCRIBER	174
SEMI-UNIVERSAL SCROLL SHEARS	191
SET OF 1/2" TORX DRIVER SOCKETS - 9 PIECES	80
SET OF 10 1000 V INSULATED SCREWDRIVERS	218

SET OF 10 HEX KEYS - METRIC	119
SET OF 10 SCREWDRIVERS	104
SET OF 10 SLOTTED HEAD-PHILLIPS® AND POZIDRIV® SCREWDRIVERS	112
SET OF 12 BLADES	193
SET OF 12 FAST RATCHET COMBINATION	29
SET OF 12 LONG COMBINATION WRENCHES - METRIC	26
SET OF 12 TOOLS FOR AIRBAG MAINTENANCE	256
SET OF 19 TOOLS FOR EXTRACTING CONNECTOR PLUGS	240
SET OF 2 PAIRS OF SUCTION CUPS AND STRAP FOR WINDSCREEN	257
SET OF 2 ROLLERS FOR INSPECTION TROLLEY	229
SET OF 2 VALVE LAPPERS	246
SET OF 3 "4-IN-1" RATCHETS - MM	33
SET OF 3 1/2" HELICAL SOCKETS	253
SET OF 3 BALL JOINT PULLERS	253
SET OF 3 PRE-SET TORQUE WRENCHES	252
SET OF 3 SEMI-SOFT FILES	187
SET OF 3 TOOLS FOR RAIN AND LIGHT SENSORS	260
SET OF 4 CIRCLIP® PLIER	166
SET OF 4 PLASTIC SCRAPPERS	255
SET OF 4 PULLERS IGNITION COILS VAG	238
SET OF 5 FLARE-NUT WRENCHES 6-POINT X 6-POINT	43
SET OF 5 RATCHET RING WRENCHES - METRIC	32
SET OF 5 RINGS AND 5 BUSHES FOR 1/2" IMPACT SOCKETS	151
SET OF 5 RINGS AND 5 BUSHES FOR 3/4" IMPACT SOCKETS	154
SET OF 5 SCREWDRIVERS	106
SET OF 5 SEMI-SOFT FILES	187
SET OF 5 SHANKS AND 5 BUSHES FOR 1" IMPACT SOCKETS	157
SET OF 5 SLOTTED HEAD-PHILLIPS® SCREWDRIVERS	113
SET OF 5 SLOTTED HEAD-POZIDRIV® SCREWDRIVERS	114
SET OF 6 ALUMINIUM CAP SOCKETS	236
SET OF 6 DRIFT PUNCHES	182
SET OF 6 GLOW PLUG SOCKETS	237
SET OF 6 PRECISION SCREWDRIVERS	222
SET OF 6 SCREWDRIVERS	105
SET OF 6 SCREWDRIVERS	105
SET OF 6 SCREWDRIVERS - 1000V INSULATED	218
SET OF 6 SCREWDRIVERS - 1000V INSULATED	218
SET OF 6 T-HANDLE HEX KEYS WITH SPHERICAL HEAD - METRIC	124
SET OF 6 UPHOLSTERY REMOVAL TOOLS	255
SET OF 6 WINDSHIELD SUCTION CUPS	258
SET OF 6-POINT TEE KEYS	126
SET OF 7 HEX METRIC WRENCHES	117
SET OF 7 RESISTORX® SCREWDRIVERS	107
SET OF 7 SHORT COMBINATION WRENCHES - METRIC	25
SET OF 7 SLOTTED HEAD-PHILLIPS® SCREWDRIVERS	113
SET OF 7 SLOTTED HEAD-POZIDRIV® SCREWDRIVERS	113
SET OF 7 STUBBY RATCHET COMBINATION WRENCHES - METRIC	31
SET OF 7 T-HANDLE HEX KEYS - METRIC	123
SET OF 7 T-HANDLE TORX® KEYS	124
SET OF 7 TORX® KEYS	122
SET OF 7 TORX® SCREWDRIVERS	107
SET OF 8 CLOSING PLIERS	245
SET OF 8 HEX KEYS - SAE	119
SET OF 8 HEX KEYS - SAE	120
SET OF 8 SCREWDRIVERS	104
SET OF 8 SCREWDRIVERS	104
SET OF 8 SCREWDRIVERS	105
SET OF 8 TORX® KEYS	117
SET OF 9 HEX KEYS - METRIC	118
SET OF 9 HEX KEYS - METRIC	119
SET OF 9 HEX KEYS - METRIC	121
SET OF 9 OFFSET COMBINATION WRENCHES - METRIC	27
SET OF ALLOY WHEEL SOCKETS 17,19, 21MM - 1/2"	253
SET OF COMBINATION WRENCHES - METRIC	24
SET OF DIN OPEN END WRENCHES - MM	37
SET OF RESISTORX® KEYS ON PLASTIC HOLDER	122
SET OF SCREWDRIVER BIT SOCKETS	64
SET OF SIDE WINDOW HOLDING SUCTION CUPS	259

ALPHABETICAL INDEX

SET OF TWO HOSE CLAMPS.....	244
SETS OF ANGLED SOCKET WRENCHES - METRIC.....	40
SETS OF HINGED RATCHET COMBINATION WRENCHES - METRIC	30
SETS OF OFFSET RING WRENCHES - METRIC.....	38
SETS OF OPEN END WRENCHES - METRIC	35
SETS OF RATCHET COMBINATION WRENCHES - METRIC	28
SHEATH STRIPPERS.....	215
SHORT HEX KEYS - METRIC.....	121
SHORT NOSE SINGLE ADJUST LOCK-GRIP PLIERS.....	168
SILICON GUN	207
SILICON GUN	263
SIMPLE HEW BOX WRENCHES	41
SINGLE-BLADE ELECTRICIANS KNIFE	220
SLIP-JOINT / LOCK-GRIP PLIER MODULE	161
SOCKETS AND ACCESSORIES.....	269
SOCKETS AND ACCESSORIES.....	270
SOLDERING IRON	221
SPARE BLADE.....	215
SPARE BLADES FOR SCRAPER.....	263
SPARE PARTS FOR SPRING COMPRESSOR.....	250
SPARE SCRAPER BLADES	204
SPARE STRAPS.....	210
SPARE TIPS.....	221
SPARK PLUG SOCKETS	237
SPHERICAL HEAD - METRIC.....	124
SPRING COMPRESSOR SET	250
SQUARE PIANO WIRE.....	261
SQUARE SECOND-CUT FILE	188
STACK TROLLEY	228
STEEL SCRIBERS - 210 MM.....	175
STEP.....	256
STETHOSCOPE.....	246
STICK LAMP.....	197
STRAIGHT CUT - LONG REACH AVIATION SHEARS.....	190
STRAIGHT INSIDE NOSE CIRCLIP® PLIER.....	166
STRAIGHT LONG NOSE PLIERS	165
STRAIGHT MODEL TWEEZERS.....	223
STRAIGHT SLIM-PROFILE NOSE PLIERS.....	224
STRAIGHT-NOSE OUTSIDE-CIRCLIP® PLIER	167
STRAP WRENCHES	210
STUBBY RATCHET COMBINATION WRENCHES - METRIC.....	31
STUBBY SCREWDRIVERS FOR PHILLIPS® SCREWS	110
STUBBY SCREWDRIVERS FOR POZIDRIV® SCREWS.....	111
STUBBY SCREWDRIVERS FOR SLOTTED HEAD SCREWS (PARALLEL).....	109
SUITCASE 142 TOOLS	18
SUITCASE 96 TOOLS	18

T

T-HANDLE HEX KEYS	123
T-HANDLE HEX KEYS WITH SPHERICAL HEAD	124
T-HANDLE TORX® KEYS	125
TAPE MEASURE.....	173
TELESCOPIC LED MIRROR.....	199
TELESCOPIC LED MIRROR.....	231
TELESCOPICMIRROR WITH LEDS E051401	266
TESTER SCREWDRIVER	220
TOOL TROLLEY	15
TORQUE MULTIPLIERS.....	139
TORQUE WRENCH REPAIR KITS	139
TORQUE WRENCHES.....	138
TORX® IMPACT SOCKET SET - 1/2" - 7 PIECES.....	150
TORX® KEYS.....	122
TORX® SCREWDRIVERS.....	109
TORX® SOCKETS 1/4"	64
TRIANGLE SECOND-CUT FILE.....	189
TUBE CLAMPING PLIERS.....	209
TUBULAR ARM BOLT CROPPER.....	189
TWIN SLIP-JOINT MULTIGRIP PLIERS	162
TYRE LEVERS.....	251
TYRE PRESSURE TESTER	252

U

UNDER BONNET LAMP	200
UNIVERSAL AUTOLOCKING OIL FILTER "CAP" WRENCH	236
UNIVERSAL BATTERY HOLDER	239
UNIVERSAL SCROLL SHEARS.....	191
UNIVERSAL SLIDE RULE 1/20TH - 0.05 MM	174
UNIVERSAL STRAP WRENCH	210
USB RECHARGEABLE LIGHT PENS E201406	266
USB RECHARGEABLE PEN LIGHT	199
UTILITY KNIFE BLADES 18 MM.....	192
UTILITY KNIFE BLADES 9 MM.....	192

V

VACUUM BRAKE BLEEDER	248
VALVE CORE - AIR CONDITIONING AND WHEEL REMOVING TOOL.....	251
VALVE CORE REMOVAL REVERSIBLE TOOL	251
VALVE FUNNEL.....	233
VAT TESTER	242
VERTICAL BANNERS	267
VICES.....	205
VOLTAGE TESTER	242

W

WHEEL VALVE TOOL	251
WHEELS FOAM MODULE.....	251
WIDE ROLLER CABINET 7 DRAWERS 4 MODULES PER DRAWER	8
WIDE ROLLER CABINET 8 DRAWERS 4 MODULES PER DRAWER	8
WINDSCREEN WIRE FEEDER TOOL.....	261
WINDSCREEN WIRE GRIPPING SET	261
WINDSHIELD WIPER ARM PULLER.....	260
WINDSHIELD WIPER ARM REMOVER.....	260
WING COVER.....	230
WIRE BRUSH.....	238
WIRE STRIPPER 170MM.....	215
WIRE STRIPPER 170MM -1000V INSULATED - VDE	217
WOODEN WORKBENCH.....	13
WORKBENCH DRAWERS.....	13
WORKSITE TOOL CHESTS	15
WRENCHES.....	268
WRENCHES - METRIC	29
WRENCHES - METRIC	29
WRENCHES - METRIC	24
WRENCHES - METRIC	28

E003601.....	175	E030104.....	64	E030313.....	63	E030944.....	73	E031803.....	67	E031984.....	92
E010101.....	9	E030105.....	64	E030314.....	63	E030945.....	73	E031804.....	66	E032001.....	90
E010105.....	8	E030106.....	64	E030315.....	63	E030946.....	73	E031805.....	66	E032101.....	237
E010108.....	15	E030107.....	64	E030316.....	63	E030947.....	73	E031806.....	66	E032102.....	237
E010118.....	12	E030108.....	64	E030317.....	63	E030948.....	73	E031807.....	75	E032103.....	91
E010119.....	12	E030109.....	64	E030318.....	63	E030949.....	73	E031821.....	67	E032201.....	81
E010121.....	12	E030110.....	64	E030322.....	63	E030950.....	73	E031901.....	93	E032203.....	91
E010128.....	16	E030111.....	64	E030508.....	58	E030951.....	73	E031902.....	93	E032401.....	237
E010129.....	16	E030112.....	65	E030509.....	59	E030952.....	73	E031903.....	93	E032402.....	237
E010131.....	9	E030113.....	65	E030601.....	58	E030953.....	73	E031904.....	93	E032701.....	85
E010136.....	16	E030114.....	65	E030602.....	58	E031105.....	74	E031905.....	93	E032702.....	86
E010161.....	12	E030115.....	65	E030605.....	58	E031301.....	73	E031906.....	93	E032709.....	84
E010192.....	9	E030116.....	65	E030700.....	55	E031302.....	73	E031907.....	93	E032711.....	87
E010193.....	9	E030117.....	65	E030702.....	54	E031303.....	73	E031908.....	93	E032713.....	86
E010194.....	10	E030118.....	65	E030703.....	64	E031304.....	73	E031909.....	93	E032714.....	86
E010201.....	17	E030119.....	65	E030704.....	64	E031305.....	73	E031910.....	93	E032801.....	84
E010202.....	17	E030120.....	65	E030707.....	54	E031306.....	73	E031911.....	93	E032802.....	85
E010203.....	17	E030121.....	65	E030715.....	57	E031307.....	73	E031912.....	93	E032803.....	85
E010204.....	17	E030122.....	65	E030727.....	56	E031308.....	73	E031913.....	93	E032804.....	85
E010209.....	17	E030123.....	65	E030901.....	75	E031309.....	73	E031914.....	93	E032805.....	85
E010304.....	18	E030124.....	65	E030902.....	75	E031310.....	73	E031915.....	93	E032808.....	84
E010305.....	18	E030125.....	65	E030903.....	75	E031311.....	73	E031916.....	93	E032900.....	77
E010402.....	13	E030126.....	65	E030904.....	75	E031312.....	73	E031917.....	93	E032902.....	78
E010404.....	13	E030127.....	65	E030905.....	75	E031313.....	73	E031918.....	93	E032904.....	80
E010405.....	13	E030128.....	65	E030906.....	75	E031334.....	73	E031919.....	93	E032906.....	80
E010601.....	18	E030129.....	64	E030907.....	75	E031501.....	74	E031920.....	93	E032907.....	78
E010602.....	18	E030130.....	64	E030908.....	75	E031502.....	74	E031921.....	93	E032908.....	77
E011001.....	15	E030131.....	64	E030909.....	76	E031503.....	74	E031922.....	93	E032909.....	77
E020101.....	186	E030132.....	64	E030910.....	76	E031504.....	74	E031923.....	93	E032911.....	50
E020103.....	187	E030133.....	64	E030911.....	76	E031505.....	74	E031924.....	93	E032922.....	81
E020301.....	192	E030134.....	64	E030912.....	76	E031506.....	74	E031925.....	93	E032924.....	81
E020302.....	192	E030142.....	65	E030913.....	76	E031507.....	74	E031926.....	93	E032936.....	80
E020303.....	192	E030143.....	65	E030914.....	76	E031508.....	74	E031927.....	92	E032937.....	83
E020304.....	192	E030144.....	65	E030915.....	76	E031509.....	74	E031928.....	92	E032938.....	83
E020305.....	206	E030145.....	65	E030916.....	76	E031510.....	74	E031929.....	92	E032939.....	82
E020306.....	193	E030146.....	65	E030917.....	76	E031511.....	74	E031930.....	92	E032940.....	82
E020307.....	193	E030147.....	65	E030918.....	76	E031512.....	74	E031931.....	92	E032941.....	80
E020308.....	164	E030148.....	65	E030919.....	76	E031513.....	74	E031932.....	92	E032942.....	83
E020309.....	164	E030149.....	65	E030920.....	76	E031514.....	74	E031933.....	92	E032943.....	82
E020310.....	164	E030150.....	64	E030921.....	76	E031515.....	74	E031934.....	92	E033503.....	99
E020602.....	188	E030151.....	64	E030922.....	76	E031516.....	74	E031935.....	92	E033504.....	99
E020603.....	188	E030201.....	61	E030923.....	76	E031517.....	74	E031936.....	89	E033505.....	99
E020604.....	188	E030202.....	61	E030924.....	76	E031518.....	74	E031936C.....	274	E033506.....	99
E020605.....	188	E030203.....	61	E030925.....	76	E031519.....	74	E031937.....	89	E033507.....	99
E020607.....	188	E030204.....	61	E030926.....	76	E031520.....	74	E031938.....	89	E033508.....	99
E020608.....	188	E030205.....	61	E030927.....	76	E031521.....	74	E031967.....	94	E033509.....	99
E020609.....	188	E030206.....	61	E030928.....	75	E031522.....	74	E031968.....	94	E033510.....	99
E020610.....	189	E030207.....	61	E030929.....	75	E031523.....	74	E031969.....	94	E033511.....	99
E020611.....	187	E030210.....	61	E030930.....	75	E031524.....	74	E031970.....	94	E033512.....	99
E020612.....	187	E030211.....	61	E030931.....	75	E031525.....	74	E031971.....	94	E033513.....	99
E020613.....	187	E030216.....	63	E030932.....	76	E031526.....	74	E031972.....	94	E033514.....	99
E020901.....	193	E030217.....	63	E030933.....	72	E031527.....	74	E031973.....	94	E033515.....	99
E020902.....	190	E030218.....	63	E030934.....	75	E031528.....	74	E031974.....	94	E033516.....	99
E020903.....	190	E030219.....	63	E030935.....	73	E031602.....	70	E031975.....	94	E033517.....	99
E020904.....	190	E030220.....	63	E030936.....	73	E031603.....	70	E031976.....	94	E033518.....	99
E020905.....	190	E030221.....	63	E030937.....	73	E031604.....	69	E031977.....	94	E033801.....	98
E020906.....	190	E030222.....	63	E030938.....	73	E031612.....	68	E031978.....	94	E033802.....	98
E020907.....	191	E030223.....	63	E030939.....	73	E031614.....	71	E031979.....	94	E033803.....	101
E020908.....	191	E030224.....	63	E030940.....	73	E031701.....	68	E031980.....	94	E033804.....	97
E030101.....	64	E030310.....	63	E030941.....	73	E031702.....	69	E031981.....	94	E034101.....	101
E030102.....	64	E030311.....	63	E030942.....	73	E031703.....	69	E031982.....	93	E034102.....	101
E030103.....	64	E030312.....	63	E030943.....	73	E031706.....	68	E031983.....	93	E034103.....	101

E034104.....	101	E050106.....	215	E090106.....	208	E110111.....	25	E110936.....	32	E112817.....	42	E113257.....	34
E034105.....	101	E050301.....	214	E090107.....	208	E110113.....	25	E110937.....	32	E112818.....	43	E113258.....	34
E034106.....	101	E050302.....	214	E090108.....	208	E110115.....	25	E110938.....	32	E112819.....	43	E113259.....	34
E034107.....	101	E050504.....	216	E090109.....	208	E110201.....	23	E110939.....	32	E112820.....	43	E113260.....	34
E034108.....	101	E050406.....	216	E090110.....	208	E110202.....	23	E110940.....	32	E112821.....	43	E113261.....	34
E034109.....	101	E050407.....	216	E090111.....	208	E110203.....	23	E110943.....	32	E112822.....	43	E113262.....	34
E034501.....	101	E050408.....	216	E090112.....	208	E110204.....	23	E110944.....	32	E112823.....	43	E113265.....	34
E034502.....	101	E050409.....	216	E090113.....	208	E110205.....	23	E110945.....	32	E112824.....	43	E113267.....	34
E034503.....	100	E050410.....	217	E090114.....	208	E110206.....	23	E110961.....	45	E112825.....	43	E113268.....	34
E034601.....	100	E050411.....	217	E090115.....	208	E110300.....	24	E110961.....	205	E112826.....	43	E113272.....	34
E034701.....	100	E050412.....	217	E090116.....	208	E110302.....	24	E110962.....	45	E112827.....	43	E113275.....	34
E034801.....	51	E050413.....	217	E090302.....	172	E110303.....	26	E110962.....	205	E112828.....	43	E113279.....	34
E034802.....	52	E050414.....	217	E090303.....	206	E110304.....	25	E111100.....	33	E112829.....	43	E113281.....	34
E034805.....	51	E050415.....	216	E090401.....	205	E110306.....	24	E111101.....	29	E112830.....	43	E113282.....	34
E034806.....	19	E050416.....	217	E090402.....	205	E110309.....	24	E111102.....	30	E112831.....	43	E113285.....	34
E034806.....	204	E050502.....	217	E090403.....	205	E110310.....	24	E111103.....	32	E112832.....	43	E113286.....	34
E034835.....	19	E050608.....	219	E090404.....	205	E110313.....	24	E111104.....	31	E112901.....	42	E113287.....	34
E034837.....	78	E051301.....	241	E090501.....	221	E110323.....	24	E111106.....	28	E112902.....	42	E113288.....	34
E034853.....	50	E051401.....	199	E090502.....	221	E110326.....	24	E111107.....	28	E112903.....	42	E113289.....	35
E034855.....	53	E051401.....	231	E090701.....	207	E110327.....	24	E111108.....	30	E113200.....	22	E113290.....	35
E040601.....	150	E051402.....	231	E090702.....	207	E110701.....	26	E111115.....	33	E113201.....	22	E113291.....	35
E041101.....	155	E051501.....	231	E090703.....	207	E110702.....	26	E111201.....	34	E113202.....	22	E113292.....	35
E041102.....	155	E051601.....	193	E090703.....	263	E110703.....	26	E111202.....	34	E113204.....	22	E113293.....	35
E041103.....	155	E069253.....	118	E090705.....	207	E110704.....	26	E111203.....	34	E113205.....	22	E113294.....	35
E041104.....	155	E080205.....	163	E096002.....	211	E110705.....	26	E111220.....	36	E113206.....	22	E113295.....	35
E041105.....	155	E080206.....	163	E096003.....	211	E110706.....	26	E111222.....	35	E113207.....	22	E113296.....	35
E041106.....	155	E080207.....	163	E096004.....	211	E110707.....	26	E111406.....	35	E113208.....	22	E113297.....	35
E041301.....	155	E080208.....	163	E096005.....	211	E110708.....	26	E111500.....	37	E113209.....	22	E113298.....	35
E041302.....	155	E080209.....	163	E096006.....	211	E110709.....	26	E111501.....	37	E113210.....	22	E113299.....	35
E041303.....	155	E080210.....	163	E096007.....	211	E110710.....	26	E111502.....	37	E113211.....	22	E113300.....	28
E041501.....	154	E080211.....	163	E096008.....	211	E110711.....	26	E111503.....	37	E113212.....	22	E113301.....	28
E041502.....	154	E080407.....	165	E096009.....	211	E110901.....	30	E111708.....	38	E113213.....	22	E113302.....	28
E041503.....	154	E080408.....	165	E096010.....	211	E110902.....	30	E111709.....	38	E113214.....	22	E113303.....	28
E041505.....	60	E080409.....	164	E096011.....	211	E110903.....	30	E111710.....	38	E113215.....	22	E113304.....	28
E041506.....	71	E080410.....	164	E096012.....	211	E110904.....	30	E111714.....	38	E113216.....	22	E113305.....	28
E041507.....	88	E080411.....	165	E100103.....	139	E110905.....	30	E112201.....	39	E113217.....	22	E113306.....	28
E041601.....	148	E080412.....	165	E100104.....	139	E110906.....	30	E112301.....	43	E113218.....	22	E113307.....	28
E041602.....	148	E080503.....	162	E100105.....	138	E110907.....	30	E112501.....	44	E113219.....	22	E113308.....	28
E041603.....	148	E080504.....	162	E100106.....	138	E110908.....	30	E112601.....	45	E113220.....	22	E113309.....	28
E041604.....	150	E080505.....	162	E100107.....	138	E110909.....	30	E112602.....	45	E113221.....	22	E113310.....	28
E041605.....	150	E080701.....	169	E100108.....	138	E110910.....	30	E112603.....	45	E113222.....	22	E113311.....	28
E041644.....	150	E080801.....	161	E100109.....	138	E110911.....	30	E112604.....	45	E113223.....	22	E113312.....	23
E041647.....	156	E080815.....	160	E100110.....	138	E110912.....	30	E112605.....	44	E113224.....	22	E113313.....	23
E041648.....	156	E080816.....	160	E100114.....	252	E110914.....	31	E112606.....	44	E113225.....	22	E113314.....	23
E041649.....	52	E080817.....	160	E100115.....	246	E110916.....	31	E112607.....	44	E113226.....	22	E113315.....	23
E042204.....	157	E080818.....	160	E100116.....	246	E110917.....	31	E112703.....	44	E113228.....	22	E113316.....	23
E042207.....	157	E080819.....	161	E100203.....	139	E110918.....	31	E112801.....	42	E113229.....	22	E113317.....	23
E042208.....	157	E080820.....	166	E100204.....	139	E110919.....	31	E112802.....	42	E113230.....	23	E113318.....	23
E042209.....	157	E080821.....	161	E100501.....	138	E110921.....	31	E112803.....	42	E113235.....	23	E113319.....	23
E042211.....	157	E084648.....	162	E100502.....	138	E110923.....	31	E112804.....	42	E113236.....	23	E113321.....	37
E042213.....	157	E084649.....	162	E100503.....	138	E110924.....	29	E112805.....	42	E113238.....	24	E113322.....	37
E042215.....	157	E084807.....	168	E100504.....	138	E110925.....	29	E112806.....	42	E113239.....	24	E113323.....	37
E042216.....	157	E084808.....	168	E100505.....	138	E110926.....	29	E112807.....	42	E113240.....	24	E113324.....	37
E042304.....	157	E084809.....	168	E100506.....	138	E110927.....	29	E112808.....	42	E113241.....	24	E113325.....	37
E042307.....	157	E084812.....	168	E110101.....	22	E110928.....	29	E112809.....	42	E113242.....	24	E113326.....	37
E042308.....	157	E084813.....	168	E110102.....	22	E110929.....	29	E112810.....	42	E113250.....	34	E113328.....	37
E042310.....	157	E084815.....	169	E110103.....	22	E110930.....	29	E112811.....	42	E113251.....	34	E113329.....	37
E042401.....	157	E084816.....	169	E110104.....	22	E110931.....	29	E112812.....	42	E113252.....	34	E113358.....	23
E042402.....	156	E090101.....	210	E110106.....	25	E110932.....	29	E112813.....	42	E113253.....	34	E113359.....	23
E050103.....	215	E090102.....	210	E110108.....	25	E110933.....	29	E112814.....	42	E113254.....	34	E113360.....	23
E050104.....	215	E090104.....	209	E110109.....	25	E110934.....	29	E112815.....	42	E113255.....	34	E113361.....	23
E050105.....	215	E090105.....	209	E110110.....	25	E110935.....	29	E112816.....	42	E113256.....	34	E113362.....	23

E113363.....	23	E113504.....	41	E113650.....	130	E113763.....	63	E113858.....	122	E114012.....	36	E117087.....	89
E113364.....	37	E113505.....	41	E113651.....	130	E113764.....	63	E113859.....	122	E114015.....	36	E117088.....	89
E113366.....	37	E113506.....	41	E113652.....	130	E113765.....	63	E113860.....	122	E114016.....	36	E117089.....	89
E113367.....	37	E113507.....	41	E113654.....	130	E113766.....	63	E113861.....	122	E114017.....	36	E117090.....	89
E113368.....	37	E113508.....	41	E113655.....	130	E113767.....	63	E113862.....	122	E114018.....	36	E117091.....	89
E113369.....	37	E113509.....	41	E113656.....	130	E113768.....	63	E113863.....	122	E114019.....	36	E117092.....	89
E113370.....	39	E113510.....	41	E113657.....	130	E113771.....	59	E113901.....	129	E114020.....	36	E117093.....	89
E113371.....	39	E113512.....	41	E113658.....	130	E113772.....	59	E113909.....	34	E114021.....	36	E117094.....	89
E113372.....	39	E113513.....	41	E113659.....	132	E113790.....	99	E113910.....	59	E114022.....	36	E117095.....	89
E113373.....	39	E113514.....	41	E113660.....	132	E113791.....	99	E113911.....	121	E114023.....	36	E117096.....	89
E113374.....	39	E113515.....	41	E113661.....	132	E113792.....	99	E113912.....	121	E114024.....	36	E117097.....	89
E113375.....	39	E113516.....	41	E113662.....	132	E113793.....	99	E113913.....	121	E114025.....	36	E117098.....	89
E113376.....	39	E113517.....	41	E113685.....	130	E113794.....	99	E113914.....	121	E114026.....	36	E117099.....	89
E113377.....	39	E113518.....	41	E113686.....	130	E113795.....	99	E113915.....	121	E114027.....	36	E117117.....	235
E113378.....	39	E113519.....	41	E113687.....	130	E113796.....	99	E113916.....	121	E114028.....	36	E117250.....	89
E113379.....	39	E113520.....	41	E113691.....	131	E113797.....	99	E113917.....	121	E114029.....	36	E117251.....	89
E113380.....	39	E113563.....	154	E113692.....	131	E113798.....	99	E113918.....	121	E114030.....	36	E117252.....	89
E113381.....	39	E113588.....	152	E113693.....	131	E113799.....	99	E113919.....	121	E114031.....	36	E117253.....	89
E113382.....	39	E113589.....	152	E113701.....	90	E113800.....	99	E113920.....	121	E114032.....	36	E117254.....	89
E113383.....	39	E113592.....	152	E113702.....	90	E113801.....	99	E113921.....	121	E114033.....	36	E117255.....	89
E113384.....	39	E113594.....	152	E113703.....	90	E113802.....	99	E113922.....	121	E114034.....	36	E117256.....	89
E113385.....	39	E113596.....	152	E113704.....	90	E113803.....	99	E113923.....	121	E114040.....	37	E117257.....	89
E113386.....	39	E113597.....	152	E113705.....	90	E113804.....	99	E113924.....	121	E114301.....	45	E117258.....	89
E113388.....	39	E113598.....	152	E113706.....	90	E113805.....	99	E113925.....	121	E115122.....	186	E117259.....	87
E113389.....	39	E113599.....	152	E113707.....	90	E113806.....	99	E113926.....	121	E115123.....	186	E117260.....	87
E113390.....	39	E113600.....	152	E113710.....	87	E113807.....	99	E113927.....	121	E115126.....	186	E117261.....	87
E113458.....	39	E113605.....	152	E113711.....	88	E113808.....	99	E113928.....	121	E117051.....	90	E117262.....	88
E113459.....	39	E113606.....	152	E113713.....	92	E113809.....	99	E113929.....	121	E117052.....	90	E117263.....	88
E113460.....	28	E113607.....	152	E113714.....	92	E113810.....	99	E113930.....	118	E117053.....	90	E117264.....	89
E113461.....	35	E113608.....	152	E113715.....	92	E113811.....	99	E113931.....	118	E117054.....	90	E117265.....	91
E113470.....	155	E113609.....	152	E113716.....	92	E113812.....	99	E113932.....	118	E117055.....	90	E117266.....	91
E113471.....	155	E113610.....	152	E113717.....	92	E113813.....	99	E113933.....	118	E117056.....	90	E117267.....	91
E113472.....	155	E113611.....	152	E113718.....	92	E113815.....	96	E113934.....	118	E117057.....	90	E117268.....	91
E113473.....	155	E113612.....	152	E113719.....	92	E113816.....	96	E113935.....	118	E117058.....	90	E117269.....	91
E113475.....	155	E113613.....	152	E113720.....	92	E113817.....	96	E113936.....	118	E117059.....	90	E117270.....	91
E113476.....	155	E113614.....	152	E113721.....	92	E113819.....	95	E113938.....	118	E117060.....	90	E117271.....	91
E113477.....	155	E113615.....	152	E113722.....	92	E113820.....	97	E113939.....	118	E117061.....	90	E117272.....	91
E113479.....	155	E113616.....	151	E113723.....	92	E113821.....	97	E113947.....	118	E117062.....	90	E117273.....	91
E113480.....	155	E113617.....	151	E113724.....	92	E113822.....	98	E113964.....	120	E117063.....	90	E117274.....	91
E113481.....	155	E113618.....	151	E113730.....	37	E113823.....	97	E113965.....	120	E117064.....	90	E117275.....	91
E113482.....	155	E113619.....	151	E113740.....	62	E113824.....	97	E113966.....	120	E117065.....	90	E117276.....	91
E113483.....	155	E113620.....	151	E113741.....	62	E113830.....	72	E113967.....	120	E117066.....	90	E117277.....	91
E113484.....	155	E113623.....	153	E113742.....	62	E113831.....	72	E113968.....	120	E117067.....	90	E117278.....	91
E113485.....	155	E113624.....	153	E113743.....	62	E113832.....	72	E113969.....	120	E117068.....	90	E117279.....	91
E113486.....	155	E113625.....	153	E113744.....	62	E113833.....	72	E113970.....	120	E117069.....	90	E117280.....	91
E113487.....	153	E113626.....	153	E113745.....	62	E113834.....	72	E113972.....	120	E117070.....	90	E117281.....	91
E113488.....	153	E113627.....	153	E113746.....	62	E113835.....	72	E113974.....	120	E117071.....	90	E117282.....	91
E113489.....	152	E113628.....	153	E113748.....	62	E113836.....	72	E113976.....	119	E117072.....	90	E117283.....	91
E113490.....	152	E113629.....	153	E113749.....	62	E113837.....	72	E113994.....	122	E117073.....	90	E117284.....	91
E113491.....	152	E113630.....	153	E113750.....	62	E113838.....	72	E113995.....	122	E117074.....	90	E117285.....	91
E113492.....	152	E113631.....	130	E113751.....	62	E113839.....	72	E113996.....	122	E117075.....	90	E117286.....	91
E113493.....	152	E113632.....	130	E113752.....	62	E113840.....	72	E113997.....	122	E117076.....	90	E117287.....	91
E113494.....	152	E113633.....	130	E113753.....	62	E113841.....	72	E113998.....	122	E117077.....	90	E117288.....	91
E113495.....	152	E113637.....	131	E113754.....	62	E113842.....	72	E113999.....	122	E117078.....	90	E117289.....	91
E113496.....	152	E113638.....	131	E113755.....	62	E113843.....	72	E114001.....	36	E117079.....	90	E117290.....	91
E113497.....	152	E113639.....	131	E113756.....	62	E113844.....	72	E114002.....	36	E117080.....	90	E117291.....	91
E113498.....	152	E113643.....	132	E113757.....	62	E113845.....	72	E114004.....	36	E117081.....	90	E117292.....	91
E113499.....	152	E113644.....	132	E113758.....	62	E113846.....	72	E114005.....	36	E117082.....	90	E117293.....	61
E113500.....	41	E113645.....	132	E113759.....	62	E113847.....	72	E114006.....	36	E117083.....	90	E117294.....	61
E113501.....	41	E113646.....	132	E113760.....	62	E113850.....	70	E114007.....	36	E117084.....	90	E117295.....	61
E113502.....	41	E113648.....	135	E113761.....	62	E113851.....	71	E114008.....	36	E117085.....	90	E117296.....	61
E113503.....	41	E113649.....	135	E113762.....	62	E113854.....	122	E114009.....	36	E117086.....	89	E117297.....	61

E117298.....61	E117725.....27	E117829.....210	E121506.....116	E150108.....179	E160305.....110	E165138.....108
E117299.....61	E117726.....27	E117830.....210	E121507.....116	E150109.....179	E160340.....115	E165141.....108
E117350.....61	E117727.....27	E117877.....224	E121517.....116	E150110.....179	E160341.....115	E165204.....110
E117351.....61	E117728.....27	E117878.....224	E121601.....123	E150111.....180	E160342.....115	E165206.....110
E117352.....61	E117729.....27	E117879.....225	E121602.....123	E150112.....180	E160401.....111	E165207.....110
E117353.....61	E117730.....27	E117880.....225	E121603.....123	E150113.....180	E160402.....111	E165209.....110
E117354.....61	E117731.....27	E117881.....151	E121604.....123	E150114.....180	E160403.....111	E165319.....111
E117355.....59	E117732.....27	E117882.....225	E121605.....123	E150115.....181	E160410.....115	E165335.....111
E117356.....59	E117733.....27	E117883.....224	E121606.....123	E150116.....181	E160411.....115	E165337.....111
E117358.....60	E117734.....27	E117884.....151	E121607.....123	E150301.....181	E160412.....115	E165340.....109
E117359.....60	E117735.....27	E117903.....214	E121608.....123	E150302.....181	E160501.....109	E165395.....109
E117360.....60	E117736.....27	E117905.....44	E121609.....123	E150303.....181	E160502.....109	E165396.....109
E117361.....70	E117737.....27	E117906.....44	E121610.....124	E150304.....181	E160503.....109	E165397.....109
E117363.....70	E117738.....27	E117908.....167	E121611.....124	E150305.....181	E160504.....109	E165398.....109
E117364.....70	E117739.....27	E117909.....167	E121612.....124	E150306.....181	E160505.....109	E165399.....109
E117365.....71	E117740.....27	E117910.....167	E121613.....124	E150307.....181	E160506.....109	E165400.....109
E117366.....72	E117741.....27	E117911.....167	E121614.....124	E150308.....181	E160507.....109	E165404.....109
E117367.....72	E117742.....27	E117912.....166	E121615.....124	E150501.....182	E160508.....109	E165406.....110
E117368.....43	E117743.....27	E117913.....166	E121616.....124	E150502.....182	E160509.....109	E165407.....110
E117370.....28	E117744.....27	E117914.....166	E121617.....123	E150503.....183	E160510.....109	E165408.....111
E117371.....28	E117750.....189	E117915.....166	E121701.....125	E150504.....183	E160511.....109	E165409.....111
E117372.....28	E117751.....189	E117916.....167	E121702.....125	E150701.....183	E160601.....109	E165410.....219
E117373.....28	E117752.....189	E117917.....167	E121703.....125	E150702.....183	E160801.....134	E165411.....219
E117374.....28	E117753.....189	E117918.....167	E121704.....125	E150703.....183	E160802.....133	E165412.....219
E117376.....37	E117754.....189	E117919.....167	E121705.....125	E150704.....183	E160803.....134	E165413.....219
E117377.....28	E117755.....189	E117920.....167	E121706.....125	E150801.....178	E160804.....133	E165414.....219
E117378.....28	E117756.....189	E117921.....167	E121707.....125	E150802.....178	E160901.....106	E165415.....219
E117381.....35	E117757.....189	E117922.....167	E121708.....125	E150803.....178	E160902.....105	E165416.....219
E117382.....35	E117758.....189	E117923.....167	E121709.....124	E150901.....205	E160903.....105	E165417.....219
E117386.....39	E117759.....189	E120101.....121	E130101.....130	E150901.....230	E160904.....104	E165418.....219
E117387.....39	E117760.....189	E120102.....121	E130102.....130	E150902.....205	E160905.....104	E165419.....219
E117388.....43	E117762.....220	E120103.....121	E130103.....130	E151002.....180	E160906.....104	E165420.....219
E117391.....43	E117763.....220	E120301.....118	E130104.....130	E151003.....180	E160907.....105	E165421.....219
E117392.....43	E117764.....221	E120302.....118	E130105.....130	E151004.....180	E160908.....107	E165422.....219
E117394.....43	E117767.....220	E120303.....118	E131601.....132	E154665.....178	E160909.....107	E165476.....108
E117395.....43	E117768.....130	E120304.....118	E131608.....132	E154667.....178	E160910.....218	E165479.....108
E117688.....61	E117771.....131	E120305.....118	E131609.....135	E154668.....178	E160911.....218	E165480.....108
E117700.....26	E117772.....131	E120901.....122	E131701.....128	E154669.....178	E160912.....218	E165481.....108
E117701.....26	E117773.....131	E121101.....119	E131702.....129	E154670.....178	E160920.....113	E165482.....108
E117702.....26	E117774.....131	E121102.....122	E131705.....128	E154672.....178	E160921.....113	E165483.....108
E117703.....26	E117775.....131	E121103.....122	E131709.....128	E154673.....178	E160922.....113	E165484.....109
E117704.....26	E117776.....131	E121105.....127	E131710.....129	E154674.....178	E160923.....113	E165490.....132
E117705.....26	E117777.....131	E121215.....126	E140101.....173	E160101.....108	E160924.....112	E168733.....135
E117706.....26	E117778.....131	E121216.....126	E140102.....173	E160102.....108	E160926.....114	E169804.....206
E117707.....26	E117779.....131	E121217.....126	E140103.....173	E160103.....108	E161101.....220	E184179.....168
E117708.....26	E117780.....131	E121218.....126	E140104.....173	E160104.....108	E161102.....222	E184181.....168
E117709.....26	E117781.....131	E121219.....126	E140105.....173	E160201.....108	E161108.....222	E184182.....168
E117710.....26	E117782.....131	E121220.....126	E140106.....173	E160202.....108	E161109.....223	E184195.....191
E117711.....26	E117783.....131	E121221.....126	E140601.....174	E160203.....108	E161110.....116	E184280.....221
E117712.....26	E117784.....131	E121222.....126	E140801.....174	E160204.....108	E161111.....116	E184302.....168
E117713.....26	E117785.....131	E121223.....126	E140902.....175	E160205.....108	E161112.....135	E184690.....162
E117714.....26	E117786.....131	E121224.....126	E142301.....173	E160206.....108	E161113.....135	E187366.....44
E117715.....26	E117787.....131	E121226.....126	E142302.....173	E160250.....114	E161114.....174	E187368.....44
E117716.....26	E117816.....120	E121227.....126	E142303.....173	E160252.....114	E161115.....134	E187470.....44
E117717.....26	E117820.....209	E121228.....126	E142401.....172	E160253.....114	E164978.....108	E187472.....44
E117718.....26	E117821.....209	E121229.....125	E150101.....179	E160254.....114	E164983.....108	E187473.....44
E117719.....26	E117822.....209	E121230.....125	E150102.....179	E160255.....114	E165006.....108	E189871.....165
E117720.....27	E117823.....209	E121501.....116	E150103.....179	E160256.....114	E165016.....108	E189872.....165
E117721.....27	E117824.....209	E121502.....116	E150104.....179	E160301.....110	E165017.....108	E189874.....164
E117722.....27	E117825.....209	E121503.....116	E150105.....179	E160302.....110	E165093.....108	E189874.....214
E117723.....27	E117827.....210	E121504.....116	E150106.....179	E160303.....110	E165096.....108	E189875.....163
E117724.....27	E117828.....210	E121505.....116	E150107.....179	E160304.....110	E165098.....108	E194672.....55

E194675.....56	E200231.....232	E200911.....249	E201514.....262
E194676.....253	E200234.....235	E201001.....250	E201515.....261
E194677.....81	E200235.....235	E201002.....250	E201516.....261
E194678.....67	E200236.....233	E201003.....250	E201518.....261
E194680.....57	E200237.....233	E201100.....253	E201519.....204
E194682.....95	E200238.....233	E201105.....253	E201519.....263
E194683.....95	E200239.....236	E201109.....251	E201520.....204
E194738.....17	E200240.....210	E201110.....251	E201520.....263
E194937.....24	E200241.....210	E201112.....251	E201521.....257
E194938.....33	E200244.....232	E201113.....254	E201522.....262
E194940.....106	E200245.....235	E201114.....254	E201701.....244
E194941.....107	E200301.....237	E201115.....252	E201702.....245
E194943.....166	E200302.....237	E201116.....252	E201801.....240
E194944.....161	E200303.....237	E201117.....251	E201802.....242
E195561.....189	E200306.....238	E201118.....251	E201803.....241
E195568.....189	E200307.....237	E201119.....251	E201804.....242
E195569.....189	E200310.....238	E201120.....252	E201805.....240
E200103.....228	E200311.....237	E201121.....253	E201806.....242
E200105.....228	E200312.....237	E201122.....252	E201808.....239
E200106.....228	E200401.....239	E201123.....252	E201901.....247
E200107.....228	E200403.....239	E201124.....252	E201902.....247
E200108.....228	E200404.....239	E201125.....251	E214563.....190
E200109.....228	E200405.....240	E201201.....255	E220104.....18
E200110.....228	E200407.....240	E201202.....255	E220107.....18
E200114.....229	E200408.....239	E201203.....255	E230104.....142
E200116.....230	E200501.....243	E201204.....255	E230110.....142
E200117.....228	E200502.....245	E201205.....256	E230115.....143
E200118.....228	E200503.....238	E201206.....256	E230116.....143
E200119.....228	E200504.....243	E201207.....256	E230120.....143
E200122.....228	E200505.....243	E201209.....263	E230125.....144
E200123.....228	E200506.....243	E201211.....256	E230126.....144
E200124.....229	E200507.....243	E201403.....197	E230201.....146
E200131.....206	E200508.....243	E201406.....199	E230202.....146
E200131.....229	E200509.....243	E201408.....200	E230203.....147
E200135.....228	E200510.....243	E201409.....201	E230204.....147
E200136.....228	E200511.....245	E201410.....201	E230301.....127
E200137.....256	E200512.....230	E201411.....196	E230301.....249
E200140.....228	E200513.....52	E201412.....196	E230402.....144
E200141.....228	E200514.....78	E201413.....201	E230502.....145
E200143.....229	E200515.....79	E201414.....199	E230503.....145
E200144.....229	E200516.....79	E201414.....231	E230508.....145
E200145.....229	E200517.....244	E201415.....198	E230603.....146
E200201.....236	E200518.....246	E201424.....197	E230901.....145
E200202.....233	E200519.....244	E201425.....197	E231015.....142
E200203.....234	E200520.....246	E201426.....200	E231101.....149
E200204.....234	E200521.....244	E201427.....198	E231102.....149
E200205.....234	E200522.....79	E201429.....200	E231103.....153
E200206.....234	E200523.....245	E201431.....197	E418226.....182
E200207.....234	E200524.....243	E201432.....198	E418227.....182
E200208.....234	E200525.....243	E201501.....257	E418228.....182
E200209.....234	E200526.....243	E201502.....257	E418230.....182
E200210.....234	E200601.....247	E201503.....257	E418231.....182
E200211.....234	E200901.....248	E201504.....258	E418232.....182
E200212.....234	E200902.....248	E201505.....259	E418233.....182
E200213.....234	E200903.....248	E201506.....259	E418234.....182
E200214.....234	E200904.....249	E201507.....258	E418235.....182
E200215.....234	E200905.....249	E201508.....259	E418236.....182
E200216.....234	E200906.....250	E201509.....260	E469262.....117
E200219.....235	E200907.....248	E201510.....260	E469263.....117
E200227.....232	E200908.....250	E201512.....239	E501201.....223
E200228.....232	E200909.....248	E201512.....260	E501202.....223
E200229.....236	E200910.....249	E201513.....262	E501203.....223

This image shows a full page of white paper with horizontal dashed lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.

[illegible]

[illegible]

[illegible]

[illegible]



European Logistic Centre – Damparis (39), France

YOUR EXPERT CONTACTS



EN

EXPERT

6-8, rue Gustave Eiffel
91420 MORANGIS

E-mail : customerservice@expert-tool.fr

Tél : 03 84 66 34 16

Fax : 03 84 66 34 22



YOUR DEALER