



IRIMO

Catalogue
2024



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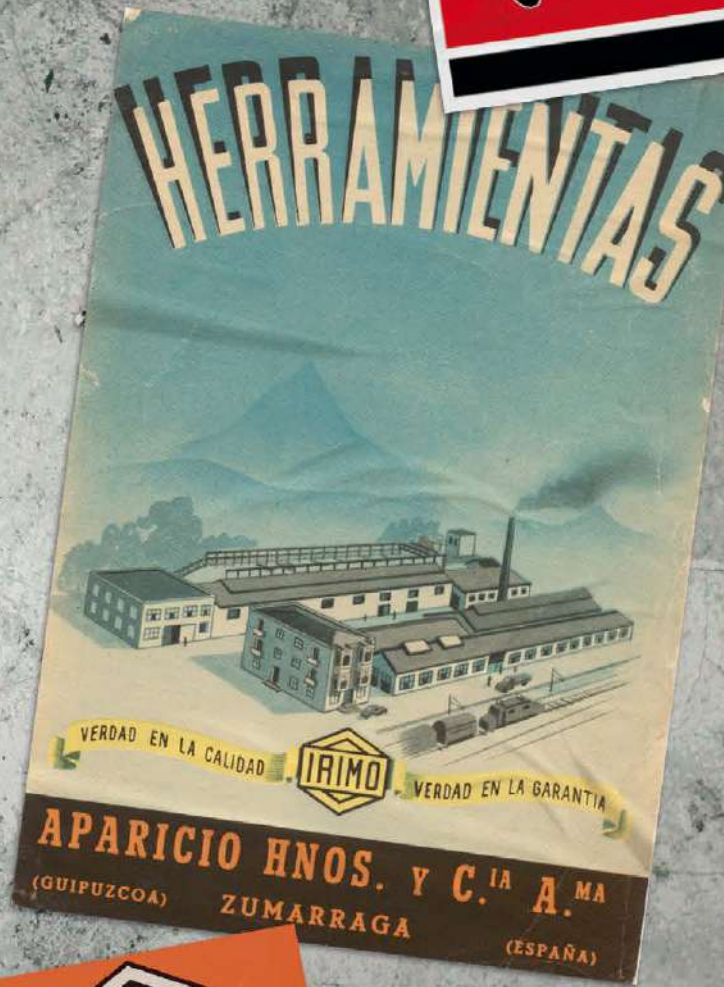
YEARS OF HISTORY IS JUST THE BEGINNING

Everything started back in the 30's in the Basque Country sited in a small village in the Northern part of Spain. We used to manufacture cart axles and mill balls for cement factories. Decade after decade, we forged our innovative heritage by launching tools such as side nut adjustable wrench, so imitated over the recent years.

Today, we keep our commitment to continuous improvement adapting to the needs of professionals who appreciate their toolbox.



IRIMO



IRIMO

THE ORIGIN IS IMPORTANT DESTINY IS EVEN MORE

WE WANT TO BE WHERE YOU NEED US.
THUS, OUR PRESENCE IS WIDENING EVERYDAY.



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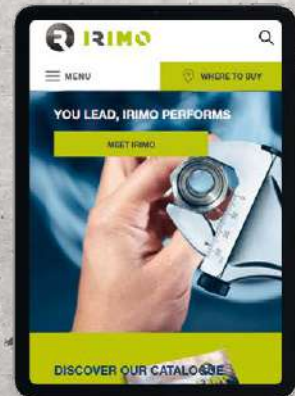
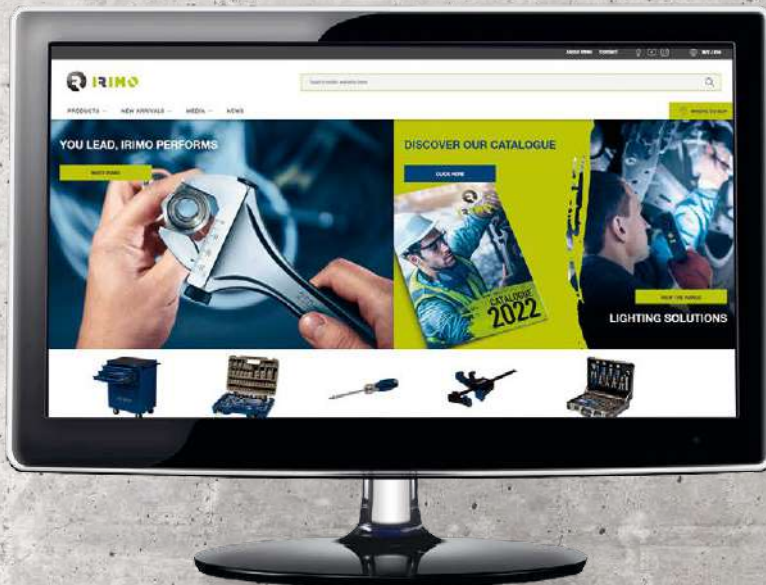
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- ➔ INDEX 4-12
- ➔ ALPHANUMERICAL INDEX 194-207
- ➔ WARRANTY 213

TOOL INDEX

1. TOOL STORAGE

13



2. WRENCHES

35



3. TORQUE TOOLS

51



4. SOCKETRY

55



5. CLAMPING TOOLS

85



6. PIPE TOOLS

93



7. SCREWDRIVERS & BITS

99



8. STRIKING TOOLS

133



9. PLIERS - SCISSORS AND KNIVES

145



10. PULLING TOOLS

163



11. CUTTING TOOLS AND MEASURING

169



12. LIGHTING AND POWER TOOLS

183



01. TOOL STORAGE 13-34

| | |
|---------------------------------------|--------------|
| TOOL TROLLEYS | 14-17 |
| 5 DRAWER TOOL TROLLEY | 14 |
| 6 DRAWER TOOL TROLLEY | 14 |
| 7 DRAWER TOOL TROLLEY | 14 |
| 4 DRAWER TOP CHEST | 14 |
| TROLLEY 6 DRAWERS WITH FOAM AND TOOLS | 15-16 |
| TROLLEY 7 DRAWERS WITH FOAM AND TOOLS | 17 |
| TROLLEY FOAMS 3/3 SYSTEM | 18-20 |
| TROLLEY FOAMS 1/3 SYSTEM | 20-23 |
| TOOL TROLLEYS | 24-25 |
| 3 TOOL BOXES TOWER ON WHEELS | 24 |
| TOWER 3 IN 1 WITH FOAM AND TOOLS | 24 |
| 2 TRAYS ROLL CART | 25 |
| TRANSPORTERS | 25 |
| TRANSPORTER | 25 |
| FOLDABLE TRANSPORTER | 25 |
| WORKBENCH | 26-27 |
| HEAVY DUTY STEEL WORKBENCH WITH 4-LEG | 26 |
| FOLDABLE WORKBENCH | 27 |
| METALLIC TOOL BOXES | 27-29 |
| TWO HANDLE MODEL | 27 |
| ALUMINIUM TOOL CASE WITH TOOLS | 28 |
| PLASTIC BOX - LOOSE KIT | 29 |
| PLASTIC TOOL BOX | 29 |
| FABRIC BAGS | 30-31 |
| TOOL BAG WITH TUBULAR HANDLE | 30 |
| TOOL BAG WITH ZIP | 30 |
| LAPTOP AND TOOL BACK-PACK | 31 |
| BACK-PACK WITH WHEELS | 31 |
| POUCHES, BELTS AND FOLDERS | 31-34 |
| FOLDER – EMPTY | 31 |
| FOLDER – WITH 18 TOOLS | 32 |
| FOLDER – WITH 28 TOOLS | 32 |
| HAMMER HOLDER | 32 |
| STRIKING SET | 32 |
| PLIER POUCH | 33 |
| ELECTRICIAN 4 PIECES SET IN POUCH | 33 |
| TOOL POUCH | 33 |
| MRO 7 PIECES SET IN POUCH | 33 |
| INSULATED 7 PIECES SET IN POUCH | 33 |

| | |
|---------------------------|----|
| 10 POCKETS TOOL POUCH | 34 |
| MRO 9 PIECES SET IN POUCH | 34 |
| ADJUSTABLE BELT | 34 |

02. WRENCHES 35-49

| | |
|---------------------------------------------|--------------|
| ADJUSTABLE WRENCHES | 36-37 |
| HEAVY DUTY ADJUSTABLE WRENCH | 36 |
| CENTRAL NUT | 36 |
| PHOSPHATED ADJUSTABLE WRENCH SET | 37 |
| OPEN END WRENCHES | 37-38 |
| DOUBLE OPEN END WRENCHES | 37 |
| DOUBLE OPEN END WRENCH SETS | 38 |
| COMBINATION WRENCHES | 39-41 |
| COMBINATION WRENCHES IN MM | 39 |
| COMBINATION WRENCHES IN INCHES | 40 |
| COMBINATION WRENCH SETS | 40-41 |
| RATCHETING COMBINATION WRENCHES | 41-43 |
| RATCHETING COMBINATION WRENCHES | 41 |
| RATCHETING COMBINATION WRENCH SETS | 41-42 |
| STUBBY RATCHETING COMBINATION WRENCHES | 42 |
| STUBBY RATCHETING COMBINATION WRENCH SET | 42 |
| RATCHETING DOUBLE RING WRENCH SET | 42 |
| FLEX HEAD RATCHETING COMBINATION WRENCHES | 43 |
| FLEX HEAD RATCHETING COMBINATION WRENCH SET | 43 |
| FLAT RING WRENCHES | 44 |
| DOUBLE RING END WRENCHES | 44 |
| DOUBLE RING END WRENCHES SETS | 44 |
| OFFSET RING WRENCHES | 45 |
| DOUBLE OFFSET RING WRENCHES | 45 |
| DOUBLE OFFSET RING WRENCH SETS | 45 |
| L-PIPE DOUBLE SOCKET WRENCHES | 46 |
| L-PIPE DOUBLE SOCKET WRENCHES | 46 |
| L-PIPE DOUBLE SOCKET WRENCH SETS | 46 |
| TUBULAR SOLID WRENCHES | 47 |
| DOUBLE HEAD SOCKET WRENCHES | 47 |
| DOUBLE HEAD SOCKET WRENCH SETS | 47 |
| BAR HANDLE FOR SOCKET WRENCH | 47 |
| SLOGGING RING, OPEN END | 48 |
| RING END SLOGGING WRENCH | 48 |
| OPEN END SLOGGING WRENCH | 48 |

| | |
|--------------------------------------|-----------|
| HOOK WRENCHES | 49 |
| HOOK WRENCH | 49 |
| HOOK WRENCH WITH INTERCHANGEABLE PIN | 49 |
| SPARE PART - INTERCHANGEABLE PIN | 49 |
| MULTIFITTING KEY | 49 |
| 7 IN 1 UNIVERSAL KEY | 49 |
| 9 IN 1 UNIVERSAL KEY | 49 |

03. TORQUE TOOLS **51-53**

| | |
|----------------------------------------------------|--------------|
| TORQUE WRENCHES | 52-53 |
| ADJUSTABLE CLICK WRENCH WITH FIXED RATCHET HEADS | 52 |
| ADJUSTABLE CLICK WRENCH WITH INTERCHANGEABLE HEADS | 52 |
| 9x12 MM OPEN END INSERTS | 52 |
| 9x12 MM RING END INSERTS | 52 |
| 9x12 & 14x18 MM RATCHET HEAD INSERTS | 53 |
| 14x18 MM OPEN END INSERTS | 53 |
| 14x18 MM RING END INSERTS | 53 |

04. SOCKETRY **55-84**

| | |
|-------------------------------|--------------|
| 1/4" SOCKETS | 56-60 |
| 1/4" HEXAGONAL SOCKETS | 56 |
| 1/4" DEEP HEXAGONAL SOCKETS | 56 |
| 1/4" TORX® SOCKETS | 56 |
| 1/4" BIT DRIVERS | 57 |
| 1/4" ACCESSORIES | 58-59 |
| 1/4" SOCKET SETS | 60-61 |
| 3/8" SOCKETS | 61-63 |
| 3/8" HEXAGONAL SOCKETS | 61 |
| 3/8" DEEP HEXAGONAL SOCKETS | 61 |
| 3/8" ACCESSORIES | 62-63 |
| 3/8" SOCKET SET | 63 |
| 1/2" SOCKETS | 64-74 |
| 1/2" HEXAGONAL SOCKETS | 64 |
| 1/2" BIHEXAGONAL SOCKETS | 64 |
| 1/2" HEXAGONAL DEEP SOCKETS | 65 |
| 1/2" BIHEXAGONAL DEEP SOCKETS | 65 |
| 1/2" TORX® SOCKETS | 65 |
| 1/2" BIT DRIVERS | 66-67 |
| 1/2" ACCESSORIES | 67-70 |
| 1/2" SOCKET SETS | 70-74 |

| | |
|----------------------------------------------------|--------------|
| 3/4" SOCKETS | 74-77 |
| 3/4" HEXAGONAL SOCKETS | 74 |
| 3/4" BIHEXAGONAL SOCKETS | 75 |
| 3/4" ACCESSORIES | 75-76 |
| 3/4" SOCKET SETS | 76-77 |
| 3/8" IMPACT SOCKETS | 77-78 |
| 3/8" IMPACT HEXAGONAL SOCKETS, METRIC | 77 |
| 3/8" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC | 77 |
| 3/8" IMPACT ACCESSORIES | 78 |
| 1/2" IMPACT SOCKETS | 79-80 |
| 1/2" IMPACT HEXAGONAL SOCKETS, METRIC | 79 |
| 1/2" IMPACT SOCKET SET | 79-80 |
| 1/2" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC | 80 |
| 1/2" IMPACT ACCESSORIES | 81 |
| 3/4" IMPACT SOCKETS | 82 |
| 3/4" IMPACT HEXAGONAL SOCKETS, METRIC | 82 |
| 3/4" IMPACT SOCKET SET | 82 |
| 3/4" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC | 82 |
| 3/4" IMPACT ACCESSORIES | 82-83 |
| 1" IMPACT SOCKETS | 83-84 |
| 1" IMPACT HEXAGONAL SOCKETS, METRIC | 83 |
| 1" IMPACT SOCKET SET | 83 |
| 1" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC | 84 |
| 1" IMPACT ACCESSORIES | 84 |

05. CLAMPING TOOLS **85-91**

| | |
|------------------------------------------|--------------|
| BENCH VICES | 86-87 |
| ROUND GUIDE VICE | 86 |
| SQUARE GUIDE VICE | 86-87 |
| SPARE PARTS FOR BENCH VICES | 87-88 |
| ACCESSORIES FOR BENCH VICES | 88-89 |
| TABLE VICE | 89 |
| SCREW CLAMPS | 90-91 |
| FORGED WOODEN HANDLE F-CLAMP | 90 |
| STEEL CLAMP, 90 MM | 90 |
| STEEL T-HANDLE CLAMP, 120 MM | 90 |
| NON-SLIP BRAKING MECHANISM CLAMP, 150 MM | 90 |
| LIGHT SCREW CLAMP, 70 MM | 90 |
| FORGED RATCHETING F-CLAMP | 91 |
| QUICK CLAMPS | 91 |

06. PIPE TOOLS 93-97

| | |
|------------------------------------|-----------|
| STILLSON WRENCHES | 94 |
| STILLSON WRENCH | 94 |
| ALUMINIUM WRENCH | 94 |
| CHAIN PIPE WRENCH | 95 |
| CHAIN PIPE WRENCH | 95 |
| SPARE CHAIN | 95 |
| PIPE WRENCHES SWEDISH MODEL | 95 |
| CORNER MOUTH | 95 |
| PERPENDICULAR MOUTH | 95 |
| CURVED MOUTH | 95 |
| PIPE CUTTERS | 96 |
| SMALL COPPER PIPE CUTTER | 96 |
| MULTIPURPOSE PIPE CUTTER | 96 |
| TELESCOPIC COPPER PIPE CUTTER | 96 |
| STEEL PIPE CUTTER | 96 |
| SPARE WHEELS | 96 |
| AUTO RETRACT PLASTIC TUBE CUTTER | 96 |
| SPARE BLADE | 96 |
| GASKET CUTTERS | 97 |
| GASKET CUTTERS SETS | 97 |
| GASKET CUTTERS | 97 |
| WAD PUNCHES 3 - 30 HANDLE | 97 |
| REVOLVER WAD PUNCHES | 97 |

07. SCREWDRIVERS & BITS 99-132

| | |
|---------------------------------------------------------|----------------|
| SCREWDRIVERS | 100-102 |
| SLOTTED SCREWDRIVERS FOR ENGINEERINGS | 100 |
| SLOTTED SCREWDRIVERS FOR ELECTRICIANS | 100 |
| STUBBY SLOTTED SCREWDRIVERS | 100 |
| PHILLIPS SCREWDRIVERS | 101 |
| STUBBY PHILLIPS SCREWDRIVERS | 101 |
| POZIDRIV SCREWDRIVERS | 101 |
| STUBBY POZIDRIV SCREWDRIVERS | 101 |
| TORX® SCREWDRIVERS | 102 |
| NUT DRIVER WITH HANDLE 1/4" | 102 |
| MAGNETIC BIT HOLDER FOR 1/4" BITS | 102 |
| FLEXIBLE BLADE BIT HOLDER FOR 1/4" BITS | 102 |
| NUT DRIVER WITH HANDLE, WITH FLEXIBLE BLADE 1/4" | 103 |

| | |
|-------------------------------------------------|----------------|
| RATCHETING BIT HOLDER FOR 1/4" BITS | 103 |
| RATCHETING BIT HOLDER SCREWDRIVER FOR 1/4" BITS | 103 |
| RATCHETING BIT HOLDER STUBBY FOR 1/4" BITS | 103 |
| INSULATED 1000V SCREWDRIVERS | 104-105 |
| SLOTTED INSULATED 1000V SCREWDRIVERS | 104 |
| PHILLIPS INSULATED 1000V SCREWDRIVERS | 104 |
| POZIDRIV INSULATED 1000V SCREWDRIVERS | 104 |
| TORX® INSULATED 1000V SCREWDRIVERS | 104 |
| TWIN PACK INSULATED SCREWDRIVERS + TESTER | 105 |
| SCREWDRIVER SETS | 105-106 |
| SCREWDRIVER DISPLAYS | 107 |
| INSULATED SCREWDRIVER SETS | 108 |
| INSULATED SCREWDRIVER DISPLAY | 108 |
| T-HANDLE SCREWDRIVERS | 108-109 |
| T-HANDLE WITH HEXAGONAL TIP | 108 |
| T-HANDLE WITH TORX® TIP | 109 |
| T-HANDLE WITH HEXAGONAL BALL TIP | 109 |
| T-HANDLE SCREWDRIVERS, NUT DRIVER | 109 |
| HEX BALL END T HANDLE SET | 109 |
| 6 IN 1 SCREWDRIVER | 110 |
| REVERSIBLE SCREWDRIVER | 110 |
| MAGNETISER | 110 |
| PRECISION SCREWDRIVER | 111 |
| PRECISION SCREWDRIVER SET | 111 |
| POCKET PRECISION SCREWDRIVER | 111 |
| VOLTAGE TESTER | 111 |
| NICKEL PLATED KEYS FOR HEX SCREWS | 112-113 |
| NICKEL PLATED KEYS, METRIC | 112 |
| NICKEL PLATED KEYS, INCHES | 112 |
| NICKEL PLATED KEYS SETS | 112-113 |
| OFFSET SCREWDRIVER SET | 113 |
| CHROME PLATED KEYS FOR HEX SCREWS, LONG | 113 |
| BLACK KEYS FOR HEX SCREWS | 113-115 |
| BLACK KEYS, METRIC | 113-114 |
| BLACK KEYS SETS | 114 |
| BLACK KEYS, INCHES | 115 |
| BLACK KEYS SETS | 115 |
| BLACK KEYS FOR HEX SCREWS, LONG | 115-116 |
| BLACK KEYS, METRIC LONG | 115 |
| LONG BALL END, METRIC | 116 |
| BLACK KEYS SETS | 116 |

| | |
|-----------------------------------------------------------------------------------------|----------------|
| BLACK KEYS FOR TORX® SCREWS | 117 |
| BLACK KEYS FOR TORX® SCREWS | 117 |
| BLACK KEY SETS FOR TORX® SCREWS | 117 |
| BLACK KEYS FOR TORX® TAMPER RESISTANT SCREWS | 118 |
| BLACK KEYS FOR TORX® TAMPER RESISTANT SCREWS | 118 |
| BLACK KEY SETS FOR TORX® TAMPER RESISTANT SCREWS | 118 |
| 1/4" BITS | 119-125 |
| 1/4" BITS FOR SLOTTED SCREWS | 119 |
| 1/4" BITS FOR PHILLIPS SCREWS | 119-120 |
| 1/4" BITS FOR PHILLIPS DRY WALL SCREWS | 120 |
| 1/4" BITS FOR POZIDRIV SCREWS | 120-121 |
| 1/4" BITS FOR TORX® SCREWS | 121-122 |
| 1/4" BITS FOR TORX® TAMPER SCREWS | 122 |
| 1/4" BITS FOR HEXAGONAL SCREWS | 122 |
| TORSION BIT FOR PHILLIPS HEAD SCREWS | 123 |
| TORSION BIT FOR POZIDRIV HEAD SCREWS | 123 |
| DIAMOND BIT FOR PHILLIPS HEAD SCREWS | 123 |
| DIAMOND BIT FOR POZIDRIV HEAD SCREWS | 123 |
| 1/4" POWER MAGNETIC NUT DRIVER | 124 |
| 1/4" POWER MAGNETIC NUT DRIVER SET | 124 |
| 1/4" POWER MAGNETIC NUT DRIVER WITH RETAINING RING | 124 |
| ADAPTOR 1/4" | 125 |
| UNIVERSAL HOLDER 1/4" | 125 |
| QUICK RELEASE BIT HOLDER 1/4" | 125 |
| 1/4" BITS SETS | 126-127 |
| PRECISION SCREWDRIVER SET FOR PRECISION ENGINEERING AND ELECTRONICS APPLICATIONS | 127 |
| 5/16" BITS | 128 |
| 5/16" BITS FOR SLOTTED SCREWS | 128 |
| 5/16" BITS FOR PHILLIPS SCREWS | 128 |
| 5/16" BITS FOR HEXAGONAL SCREWS | 128 |
| 5/16" BITS FOR TORX® SCREWS | 128 |
| 5/16" IMPACT SCREWDRIVER | 129 |
| 5/16" IMPACT SCREWDRIVER | 129 |
| 5/16" IMPACT SCREWDRIVER ADAPTOR | 129 |
| 5/16" IMPACT DRIVER BIT SET | 129 |
| 10 MM BITS | 130-131 |
| 10 MM BITS FOR HEXAGONAL SCREWS | 130 |
| 10 MM BITS FOR TORX® SCREWS | 130 |
| 1/2" ADAPTOR FOR 10 MM BITS | 130 |
| 3/8" ADAPTOR FOR 10 MM BITS | 130 |

| | |
|---------------------------------------------|------------|
| 10 MM BITS FOR TORX® TAMPER SCREWS | 131 |
| 10 MM BITS FOR XZN SCREWS | 131 |
| 10 MM SQUARE BITS | 131 |
| 1/2" SOCKET DRIVERS | 132 |
| 1/2" SOCKET DRIVERS FOR TORX® TAMPER SCREWS | 132 |
| 10 MM BITS SET | 132 |

08. STRIKING TOOLS **133-144**

PUNCHES AND CHISELS **134-138**

| | |
|---------------------------------------------|-----|
| COLD CHISELS | 134 |
| FLAT COLD CHISELS | 134 |
| EXTRAFLAT COLD CHISEL | 134 |
| CAPE CHISELS | 134 |
| FLAT CAPE CHISELS | 134 |
| ROUND CENTRE PUNCHES | 135 |
| ROUND CENTRE PUNCH SETS | 135 |
| OCTAGONAL CENTRE PUNCHES | 135 |
| ROUND TAPER PUNCHES | 135 |
| OCTAGONAL TAPER PUNCHES | 135 |
| ROUND TAPER PUNCH SET | 136 |
| OCTAGONAL TAPER PUNCH SETS | 136 |
| ROUND PARALLEL PIN PUNCHES | 136 |
| OCTAGONAL PARALLEL PIN PUNCHES | 136 |
| ROUND PARALLEL PIN PUNCH SET | 137 |
| OCTAGONAL PARALLEL PIN PUNCH SETS | 137 |
| ROUND PARALLEL PIN PUNCHES, LONG SERIES | 137 |
| OCTAGONAL PARALLEL PIN PUNCHES, LONG SERIES | 137 |
| ROUND PARALLEL PIN PUNCH SETS, LONG SERIES | 137 |
| ELECTRICIAN'S COLD CHISELS SET | 138 |

ENGINEERS SCRIBERS **138**

WRECKING BARS **138**

HAMMERS **139-143**

| | |
|----------------------------------|-----|
| CURVED CLAW HAMMERS | 139 |
| STUBBY CLAW HAMMERS | 139 |
| SPANISH TYPE CURVED CLAW HAMMERS | 139 |
| JOINER'S HAMMERS | 140 |
| GERMAN DIN HAMMERS | 140 |
| RIVOIR HAMMERS | 141 |
| BALL PEIN HAMMERS | 141 |

| | |
|--------------------------------|------------|
| SPANISH STONING HAMMERS | 142 |
| STONING HAMMERS | 142 |
| BLACK RUBBER MALLETS | 142 |
| ANTI-BOUNCE NYLON FACED HAMMER | 143 |
| NYLON FACED HAMMERS | 143 |
| CHISELS | 144 |
| CHISEL SETS | 144 |
| WOOD CARVING SET | 144 |

09. PLIERS – SCISSORS AND KNIVES 145-162

| | |
|----------------------------------------------------|----------------|
| PLIERS | 146-147 |
| SIDE CUTTING PLIERS | 146 |
| COMBINATION PLIERS | 146 |
| SNIPE NOSE PLIERS | 146 |
| SNIPE NOSE PLIERS BENT TIP | 146 |
| FLAT NOSE PLIERS | 146 |
| ROUND NOSE PLIERS | 147 |
| SLIP JOINT PLIERS | 147 |
| QUICK ADJUST SLIP JOINT PLIERS | 147 |
| PLIERS SETS | 147 |
| MINI PLIERS | 148-149 |
| PLIERS FOR ELECTRICIANS | 149-151 |
| STRIPPING PLIERS | 149 |
| COPPER ALUMINIUM WIRE CUTTER | 149 |
| CRIMPING PLIER INSULATED TERMINALS | 150 |
| CRIMPING PLIER NON-INSULATED TERMINALS | 150 |
| CRIMPING PLIER NON-INSULATED FASTON TYPE TERMINALS | 150 |
| CRIMPING PLIER INSULATED TERMINALS SET | 150 |
| INSULATED END SLEEVES AND PLUG CONNECTORS SET | 151 |
| INTERCHANGEABLE JAWS CRIMPING PLIERS SET | 151 |
| INSULATED PLIERS | 151-153 |
| INSULATED COMBINATION PLIERS | 151 |
| INSULATED FLAT NOSE PLIER | 151 |
| INSULATED SNIPE NOSE PLIERS | 152 |
| INSULATED SNIPE NOSE PLIERS BENT TIP | 152 |
| INSULATED SIDE CUTTING PLIERS | 152 |
| INSULATED HEAVY DUTY SIDE CUTTING PLIERS | 152 |
| INSULATED STRIPPING PLIERS | 153 |
| INSULATED SLIP JOINT PLIERS | 153 |

| | |
|-------------------------------------------|----------------|
| INSULATED PLIERS SETS | 153 |
| PINCERS AND FENCING PLIERS | 153-154 |
| CARPENTER'S PINCERS | 153 |
| FENCING PLIERS | 153 |
| FENCING PLIERS WITH PVC DIPPED HANDLES | 154 |
| BOLT CUTTERS | 154 |
| BOLT CUTTERS | 154 |
| SPARE HEAD | 154 |
| CIRCLIP PLIERS | 155 |
| INTERNAL STRAIGHT | 155 |
| INTERNAL BENT | 155 |
| EXTERNAL STRAIGHT | 155 |
| EXTERNAL BENT | 155 |
| CIRCLIP SET | 155 |
| METAL SHEARS | 156 |
| STRAIGHT CUT | 156 |
| RIGHT CUT | 156 |
| LEFT CUT | 156 |
| LOCKING PLIERS | 156-158 |
| UNIVERSAL, CURVED JAWS WITH WIRE CUTTER | 156 |
| UNIVERSAL, STRAIGHT JAWS | 156 |
| LONG NOSE | 157-158 |
| WELDING | 157 |
| STEEL CLAMP | 157 |
| STEEL CLAMP, SWIVEL PADS | 157 |
| STEEL CLAMP, SWIVEL PADS, SLIM | 157 |
| TABLE C CLAMP | 157 |
| 4 POSITION PLIERS | 158 |
| CURVED JAWS WITH CUTTER | 158 |
| SOFT GRIP PLIERS SET | 158 |
| AUTOMATIC HAND VICES | 158 |
| RIVETING TOOLS | 159 |
| HAND RIVETER | 159 |
| 2 ARM RIVETER | 159 |
| NUT RIVETER | 159 |
| HAND RIVETER SET WITH RIVETS | 159 |
| ELECTRICIAN'S SCISSORS AND KNIVES | 160-162 |
| 9 MM SNAP OFF KNIFE | 160 |
| 18 MM SNAP OFF KNIFE | 160 |
| SAFETY UTILITY KNIFE | 160 |
| GLASS SCRAPER WITH INTERCHANGEABLE BLADES | 160 |
| MULTIPURPOSE TRADESMAN KNIVES WITH SHEATH | 161 |

| | |
|----------------------------------------|----------------|
| FOLDABLE KNIFE | 161 |
| ELECTRICIANS' KNIFE | 161 |
| MULTITOOL | 161 |
| ELECTRICIANS' SCISSORS | 162 |
| HOOKS AND PICKING TOOLS | 162 |
| MINI PICK AND HOOK SET | 162 |
| | |
| 10. PULLING TOOLS | 163-168 |
| PULLERS | 164-165 |
| UNIVERSAL 2 ARM PULLERS | 164 |
| SELF-CENTERING 2 ARMS PULLERS | 164 |
| SELF-CENTERING 3 ARMS PULLERS | 165 |
| MULTIPLE PULLERS | 165 |
| EXTRACTORS | 166 |
| STUD EXTRACTORS BIT SET | 166 |
| STUD EXTRACTORS SETS | 166 |
| TAP WRENCH | 166 |
| NUT SPLITTER | 166 |
| PICK-UP TOOLS | 167 |
| MAGNETIC PICK-UP TOOL | 167 |
| CLAW PICK-UP TOOL | 167 |
| PRY BARS | 167-168 |
| PRY BAR | 167 |
| OFFSET LEVER SET | 168 |
| OFFSET LEVER | 168 |
| SHEET PUNCHES | 168 |
| SHEET METAL PUNCHES | 168 |
| SPARE BOLT | 168 |
| | |
| 11. CUTTING TOOLS AND MEASURING | 169-182 |
| BOWSAW FRAMES AND BLADES | 170 |
| BOWSAW FRAMES | 170 |
| BOWSAW BLADES, GREEN WOOD | 170 |
| BOWSAW BLADES, DRY WOOD | 170 |
| HACKSAW FRAMES AND BLADES | 170-172 |
| TENON SAW | 170 |
| GENERAL PURPOSE HANDSAW | 170 |
| DOVETAIL FLEX HANDSAW | 171 |

| | |
|------------------------------------------|----------------|
| COMPASS SAW | 171 |
| ALUMINIUM HACKSAW FRAME | 171 |
| HACKSAW FRAME | 171 |
| BI-METAL | 171 |
| ALUMINIUM HOLDER | 172 |
| HACKSAW FRAME | 172 |
| HOLESAWS | 172 |
| FILES | 172-173 |
| FLAT FILES | 172 |
| HAND FILES | 172 |
| HALF ROUND FILES | 173 |
| ROUND FILES | 173 |
| THREE SQUARE FILES | 173 |
| SQUARE FILES | 173 |
| FILE SET | 173 |
| SPIRIT LEVELS | 174-175 |
| SPIRIT LEVELS | 174 |
| MAGNETIC SPIRIT LEVELS | 174 |
| SET OF LEVELS | 175 |
| TORPEDO LEVEL | 175 |
| POCKET SPIRIT LEVEL | 175 |
| ALUMINUM LEVEL WITH HOLSTER | 175 |
| MEASURING TAPES | 176-177 |
| MEASURING TAPES | 176 |
| TAPE TWINPACK | 176 |
| HIGH VISIBILITY MEASURING TAPES | 176 |
| MEASURING TAPE FOR VERTICAL MEASUREMENTS | 177 |
| LONG TAPES | 177 |
| WOODEN FOLDING RULE | 177 |
| SQUARES | 178 |
| SQUARES | 178 |
| COMBINATION SQUARES | 178 |
| GAUGE SETS | 178 |
| SCREW PITCH GAUGE SET | 178 |
| FEELER GAUGE SETS | 178 |
| CALIPERS | 179 |
| VERNIER CALIPER 150 MM | 179 |
| DIGITAL VERNIER CALIPER 150 MM | 179 |
| INFRARED THERMOMETER | 179 |
| PAINT SCRAPERS | 180 |
| PAINT SCRAPERS | 180 |
| BODY WORK SCRAPER SET | 180 |

| FASTENING TOOLS | 180-182 |
|------------------------------|----------------|
| CAULKING GUNS | 180 |
| ELECTRONIC GLUE GUN SET | 180 |
| HEAT GUN 2000W | 181 |
| HEAT GUN NOZZLES | 181 |
| HEAVY DUTY STAPLE GUN 4 IN 1 | 181-182 |
| HAMMER TACKER | 181-182 |
| HEAVY DUTY STAPLES | 181-182 |
| LIGHT DUTY STAPLES | 182 |
| BRAD NAILS 15 MM | 182 |
| CABLE STAPLES | 182 |

12. LIGHTING AND POWER TOOLS

183-189

| POCKET LAMPS | 184-185 |
|-----------------------------|----------------|
| FLEXIBLE LIGHT | 184 |
| COMPACT LIGHT | 184 |
| SLIM FLEX | 184 |
| MINI FLEXIBLE LIGHT | 185 |
| POCKET FLEX LIGHT | 185 |
| INSPECTION LAMPS | 185 |
| ALUMINIUM TORCH | 185 |
| PEN LIGHT | 185 |
| WORKING LAMPS | 186 |
| BOOK LIGHT | 186 |
| HEAD LAMPS | 186 |
| HEAD LIGHT | 186 |
| PNEUMATIC TOOLS | 187-188 |
| 1/2" IMPACT WRENCH | 187 |
| 3/4" IMPACT WRENCH | 187 |
| 1/4" RATCHET | 188 |
| 1/2" RATCHET | 188 |
| BLOW GUN | 188 |
| AIR LINE COUPLERS | 188 |
| IN LINE LUBRICATOR | 188 |
| FILTER REGULATORS | 189 |
| FILTER REGULATOR | 189 |
| FILTER REGULATOR LUBRICATOR | 189 |
| CORDLESS SCREWDRIVER | 189 |
| 3.6V CORDLESS SCREWDRIVER | 189 |

| POINT OF SALE MATERIAL | 190-193 |
|-----------------------------------|----------------|
| METAL WALL 1 SIDE 2 LEGS | 191 |
| LIGHTBOX | 191 |
| SIGN CARRIER + SIGN IRIMO | 191 |
| METAL WALL CORNER 1 LEG | 191 |
| LIGHTBOX CORNER WALL | 192 |
| DOUBLE SIDE WALL WITH WHEELS | 192 |
| TRIANGULAR METAL WALL WITH WHEELS | 192 |
| SPARE PARTS FOR METAL WALL | 192 |
| METHACRYLATE FOR LIGHTBOX | 192 |
| PVC TOP SIGN FOR SIGN CARRIER | 192 |
| TOP SIGN FOR DOUBLE SIDED WALL | 192 |
| BANNER FOR METAL WALLS | 192 |

| ADDITIONAL POS MATERIAL. EMPTY DISPLAYS | 193 |
|------------------------------------------------|------------|
| GENERIC COUNTER DISPLAY | 193 |
| COUNTER S DISPLAY | 193 |
| COUNTER L DISPLAY | 193 |
| PALLET COVER EUROPALLET | 193 |
| COUNTER DISPLAY FOR PLIERS | 193 |
| STICKERS A4 SHEET | 193 |
| STAND ALONE | 193 |



01. TOOL STORAGE





TOOL TROLLEYS

5 DRAWER TOOL TROLLEY



6 DRAWER TOOL TROLLEY



7 DRAWER TOOL TROLLEY



- 5 drawer trolley
- Drawers with internal dimensions of:
 - (1 x) 543 x 445 x 50 mm
 - (2 x) 543 x 445 x 116 mm
 - (2 x) 543 x 445 x 182 mm

- 6 drawer trolley
- Drawers with internal dimensions of:
 - (3 x) 543 x 445 x 50 mm
 - (2 x) 543 x 445 x 116 mm
 - (1 x) 543 x 445 x 246 mm

- 7 drawer trolley
- Drawers with internal dimensions of:
 - (5 x) 543 x 445 x 50 mm
 - (1 x) 543 x 445 x 116 mm
 - (1 x) 543 x 445 x 246 mm

- Large capacity heavy duty construction trolley
- Double wall frame protects the sides and drawers from shocks/crashes
- Reinforced areas to reduce stress in specific points of the trolley
- Long ball bearing slides with 100% opening drawers
- Click/detent closing system of drawers
- Strong and secure central locking mechanism
- Wheels of 125 x 30 mm with ball bearings and non-marking rubber outer surface:
 - 2 fixed and 2 swivel with brake

| Code | Qty | Dimensions (mm) | Height (mm) | Depth (mm) | Weight (kg) | Wheels (mm) | Capacity (kg) |
|--------|-----|-----------------|-------------|---------------|-------------|-------------|---------------|
| 9066K5 | 1 | 677 x 501 x 954 | 400 | 543 x 445 x h | 25 | 125 x 30 | 48 |
| 9066K6 | 1 | 677 x 501 x 954 | 400 | 543 x 445 x h | 25 | 125 x 30 | 51 |
| 9066K7 | 1 | 677 x 501 x 954 | 400 | 543 x 445 x h | 25 | 125 x 30 | 52 |

4 DRAWER TOP CHEST



SPARE PARTS

| | | |
|----------|-----------------------------|----------------|
| 9066K-01 | SP Slides (2x) | 30 kg capacity |
| 9066K-02 | SP Swivel wheels (2x) | 125 x 30 mm |
| 9066K-03 | SP Fixed wheels (2x) | 125 x 30 mm |
| 9066K-05 | SP Handle x 9066K series | |
| 9066K-06 | SP Top mat x 26 trolleys | |
| 9064-15 | SP Pocket handles (2x) | |
| 9064AC01 | SP Drawer liner-7 units set | |

- 4 drawers top chest
- Large capacity heavy duty construction top chest
- Double wall frame protects the slides and drawers from shocks/crashes
- Reinforced areas to reduce stress in specific points of the trolley
- Long ball bearing slides with 100% opening drawers
- Click/detent closing system of drawers
- Strong and secure central locking mechanism
- Drawers with internal dimensions of:
 - (3 x) 543 x 445 x 50 mm
 - (1 x) 543 x 445 x 116 mm

| Code | Qty | Dimensions (mm) | Height (mm) | Depth (mm) | Weight (kg) |
|--------|-----|-----------------|-------------|---------------|-------------|
| 9065K4 | 1 | 677 x 501 x 420 | 250 | 543 x 445 x h | 38 |





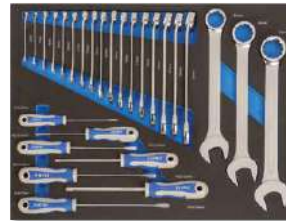
TROLLEY 6 DRAWERS WITH FOAM AND TOOLS, 206 pieces



IFF1A001



IFF1A002



IFF1A003

9066K6FF100

1

677 x 501 x 954

80

IFF1A001

- 045001, 045011, 045021
- 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1
- 103-04-1, 103-05-1, 103-06-1, 103-07-1, 103-08-1, 103-09-1, 103-10-1, 103-11-1, 103-12-1, 103-13-1
- 105-22-1, 105-24-1
- 105-40-1
- 105-42-1
- 105-48-1
- 105-50-1
- 105-70-1
- 106-04-1, 106-05-1, 106-06-1, 106-07-1, 106-08-1
- 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-15-1, 121-16-1, 121-17-1, 121-18-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1
- 125-23-1, 125-25-1
- 125-40-1
- 125-42-1
- 125-48-1
- 125-53-1, 125-54-1
- 124-14-1, 124-15-1, 124-17-1, 124-19-1, 124-22-1
- 125-70-1
- 126-10-1, 126-11-1, 126-12-1, 126-14-1, 126-16-1, 126-18-1, 126-20-1, 126-24-1
- 475-4-1, 475-5.5-1, 475-6.5-1
- 475-H3-1, 475-H4-1, 475-H5-1, 475-H6-1
- 475-PH1-1, 475-PH2-1
- 475-PZ1-1, 475-PZ2-1
- 475-T8-1, 475-T10-1, 475-T15-1, 475-T20-1, 475-T25-1, 475-T27-1, 475-T30-1

IFF1A002

- 529171
- 475-61-1
- 48-9-H
- 511-105-1
- 515-002-1, 515-003-1, 515-004-1, 515-005-1, 515-006-1
- 5-250C-1
- 527-61-2
- 601-180-1
- 612-160-1
- 625-180-1
- 634-250-1
- 666-156-1
- 980-38-1

IFF1A003

- 25-06-2, 25-07-2, 25-08-2, 25-09-2, 25-10-2, 25-11-2, 25-12-2, 25-13-2, 25-14-2, 25-15-2, 25-16-2, 25-17-2, 25-18-2, 25-19-2, 25-21-2, 25-22-2, 25-24-2, 25-27-2, 25-30-2, 25-32-2
- 407-4-100, 407-5.5-125, 407-6.5-150, 407-8-175
- 409-1-100, 409-2-125, 409-3-150
- 9066K6





TOOL TROLLEYS

TROLLEY 6 DRAWERS WITH FOAM AND TOOLS, 178 pieces



IFF1A004



IFF1A005



IFF1A006

| | | |
|-------------|-----------------|----|
| | | |
| 9066K6FF101 | 677 x 501 x 950 | 80 |
| 1 | | |

IFF1A004

| | |
|----------------------------------------------------------------------------------------------------------------------------------|--|
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1 | |
| 103-04-1, 103-05-1, 103-06-1, 103-07-1, 103-08-1, 103-09-1, 103-10-1, 103-11-1, 103-12-1, 103-13-1 | |
| 105-22-1, 105-24-1 | |
| 105-40-1 | |
| 105-42-1 | |
| 105-48-1 | |
| 105-50-1 | |
| 105-70-1 | |
| 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-15-1, 121-17-1, 121-19-1, 121-22-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1 | |
| 125-23-1, 125-25-1 | |
| 125-40-1 | |
| 125-42-1 | |
| 125-48-1 | |
| 125-54-1 | |
| 125-70-1 | |
| 407-4-100, 407-5-5-125, 407-6-5-150, 407-8-175 | |
| 408-6-5-25 | |
| 409-1-100, 409-2-125, 409-3-150 | |
| 409-2-25 | |
| 413-1-100, 413-2-125 | |

IFF1A005

| | |
|-------------------------------------------------------|--|
| 529171 | |
| 527-61-2 | |
| 475-61-1 | |
| 48-9-H | |
| 501-250-1 | |
| 511-105-1 | |
| 515-002-1, 515-003-1, 515-004-1, 515-005-1, 515-006-1 | |
| 5-150C-1, 5-250C-1 | |
| 601-180-1 | |
| 612-160-1 | |
| 625-180-1 | |
| 634-250-1 | |
| 665-200-1 | |
| 980-3B-1 | |

IFF1A006

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 25-06-2, 25-07-2, 25-08-2, 25-09-2, 25-10-2, 25-11-2, 25-12-2, 25-13-2, 25-14-2, 25-15-2, 25-16-2, 25-17-2, 25-18-2, 25-19-2, 25-21-2, 25-22-2, 25-24-2, 25-27-2, 25-30-2, 25-32-2 | |
| 10-0607-1, 10-0809-1, 10-1011-1, 10-1213-1, 10-1415-1, 10-1617-1, 10-1819-1, 10-2022-1, 10-2123-1, 10-2427-1, 10-3032-1 | |
| 9066K6 | |



TROLLEY 7 DRAWERS WITH FOAM AND TOOLS, 222 pieces



IFF1A004



IFF1A005



IFF1A006



IFF1A007

| | | | |
|-------------|---|-----------------|----|
| | | | |
| 9066K7FF102 | 1 | 677 x 501 x 954 | 90 |

IFF1A004

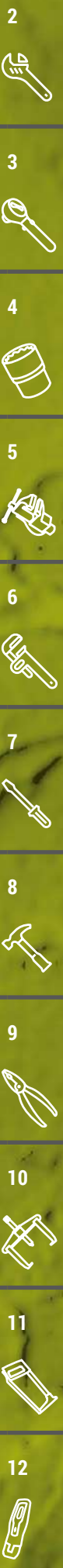
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| 103-04-1, 103-05-1, 103-06-1, 103-07-1, 103-08-1, 103-09-1, 103-10-1, 103-11-1, 103-12-1, 103-13-1 | |
| 105-22-1, 105-24-1 | |
| 105-40-1 | |
| 105-42-1 | |
| 105-48-1 | |
| 105-50-1 | |
| 105-70-1 | |
| 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-15-1, 121-17-1, 121-19-1, 121-22-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1 | |
| 125-23-1, 125-25-1 | |
| 125-40-1 | |
| 125-42-1 | |
| 125-48-1 | |
| 125-54-1 | |
| 125-70-1 | |
| 407-4-100, 407-5.5-125, 407-6.5-150, 407-8-175 | |
| 408-6.5-25 | |
| 409-1-100, 409-2-125, 409-3-150 | |
| 409-2-25 | |
| 413-1-100, 413-2-125 | |

IFF1A005

| | |
|-------------------------------------------------------|--|
| 529171 | |
| 527-61-2 | |
| 475-61-1 | |
| 48-9-H | |
| 501-250-1 | |
| 511-105-1 | |
| 515-002-1, 515-003-1, 515-004-1, 515-005-1, 515-006-1 | |
| 5-150C-1, 5-250C-1 | |
| 601-180-1 | |
| 612-160-1 | |
| 625-180-1 | |
| 634-250-1 | |
| 665-200-1 | |
| 980-3B-1 | |

IFF1A006

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
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| 10-0607-1, 10-0809-1, 10-1011-1, 10-1213-1, 10-1415-1, 10-1617-1, 10-1819-1, 10-2022-1, 10-2123-1, 10-2427-1, 10-3032-1 | |
| IFF1A007 | |
| 534261 | |
| 534291 | |
| 534321 | |
| 534351 | |
| 534381 | |
| 534411 | |
| 180-05-1, 180-06-1, 180-07-1, 180-08-1, 180-10-1, 180-12-1, 180-14-1, 180-17-1 | |
| 180-05X-1, 180-06X-1, 180-07X-1, 180-08X-1, 180-10X-1, 180-12X-1 | |
| 183-30-1, 183-40-1, 183-45-1, 183-50-1, 183-55-1, 183-60-1 | |
| 183-40X-1, 183-45X-1, 183-50X-1, 183-55X-1 | |
| 458-8-F | |
| 716-M6-1, 716-M8-1, 716-M11-1, 716-M14-1, 716-M18-1, | |
| 801-145-1 | |
| 9066K7 | |





TROLLEY FOAMS 3/3 SYSTEM

IFF1A001



- 3/3 Foam Inlay Socket sets / ratchet / bits
- 94 pieces



IFF1A001 1 445 x 543 x 40

045001, 045011, 045021

101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1

103-04-1, 103-05-1, 103-06-1, 103-07-1, 103-08-1, 103-09-1, 103-10-1, 103-11-1, 103-12-1, 103-13-1

105-22-1, 105-24-1

105-40-1

105-42-1

105-48-1

105-50-1

105-70-1

106-04-1, 106-05-1, 106-06-1, 106-07-1, 106-08-1

121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-15-1, 121-16-1, 121-17-1, 121-18-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1

125-23-1, 125-25-1

125-40-1

125-42-1

125-48-1

125-53-1, 125-54-1

124-14-1, 124-15-1, 124-17-1, 124-19-1, 124-22-1

125-70-1

126-10-1, 126-11-1, 126-12-1, 126-14-1, 126-16-1, 126-18-1, 126-20-1, 126-24-1

475-4-1, 475-5.5-1, 475-6.5-1

475-H3-1, 475-H4-1, 475-H5-1, 475-H6-1

475-PH1-1, 475-PH2-1

475-PZ1-1, 475-PZ2-1

475-T8-1, 475-T10-1, 475-T15-1, 475-T20-1, 475-T25-1, 475-T27-1, 475-T30-1

IFF1A002



- 3/3 Foam Inlay Striking tools / Cutting tools / Measuring tape / Pliers
- 85 pieces



IFF1A002 1 445 x 543 x 40

529171

475-61-1

48-9-H

511-105-1

515-002-1, 515-003-1, 515-004-1, 515-005-1, 515-006-1

5-250C-1

527-61-2

601-180-1

612-160-1

625-180-1

634-250-1

666-156-1

980-3B-1

IFF1A003



- 3/3 Foam Inlay Combination wrenches / Screwdrivers
- 27 pieces



IFF1A003 1 445 x 543 x 40

25-06-2, 25-07-2, 25-08-2, 25-09-2, 25-10-2, 25-11-2, 25-12-2, 25-13-2, 25-14-2, 25-15-2, 25-16-2, 25-17-2, 25-18-2, 25-19-2, 25-21-2, 25-22-2, 25-24-2, 25-27-2, 25-30-2, 25-32-2

407-4-100, 407-5.5-125, 407-6.5-150, 407-8-175

409-1-100, 409-2-125, 409-3-150



IFF1A004



- 3/3 Foam Inlay Socket set / Screwdrivers / Ratchets
- 60 pieces



IFF1A004 1 445 x 543 x 40

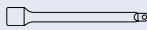
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103-04-1, 103-05-1, 103-06-1, 103-07-1, 103-08-1, 103-09-1, 103-10-1, 103-11-1, 103-12-1, 103-13-1



105-22-1, 105-24-1



105-40-1



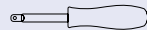
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105-50-1



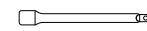
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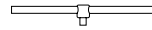
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125-40-1



125-42-1



125-48-1



125-54-1



125-70-1



407-4-100, 407-5-5-125, 407-6-5-150, 407-8-175



408-6.5-25



409-1-100, 409-2-125, 409-3-150



409-2-25



413-1-100, 413-2-125



IFF1A005



- 3/3 Foam Inlay Striking tools / Cutting tools / Pliers
- 87 pieces



IFF1A005 1 445 x 543 x 40

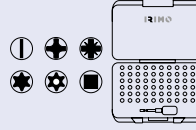
529171



527-61-2



475-61-1



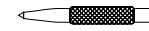
48-9-H



501-250-1



511-105-1



515-002-1, 515-003-1, 515-004-1, 515-005-1, 515-006-1



5-150C-1, 5-250C-1



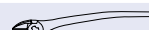
601-180-1



612-160-1



625-180-1



634-250-1



665-200-1



980-3B-1



IFF1A006



- 3/3 Foam Inlay Combination wrenches / Open end wrenches
- 31 pieces

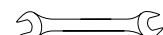


IFF1A006 1 445 x 543 x 40

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10-0607-1, 10-0809-1, 10-1011-1, 10-1213-1, 10-1415-1, 10-1617-1, 10-1819-1, 10-2022-1, 10-2123-1, 10-2427-1, 10-3032-1



2



3



4



5



6



7



8



9



10



11



12





TROLLEY FOAMS 3/3 & 1/3 SYSTEM

IFF1A007



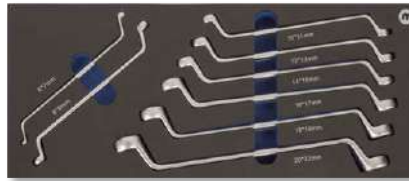
- 3/3 Foam Inlay Socket set / Files / Cutting tools
- 44 pieces



IFF1A007 1 445 x 543 x 40

| | | |
|--------------------------------------------------------------------------------------|--|--|
| 534261 | | |
| 534291 | | |
| 534321 | | |
| 534351 | | |
| 534381 | | |
| 534411 | | |
| 180-05-1, 180-06-1, 180-07-1, 180-08-1, 180-10-1, 180-12-1, 180-14-1, 180-17-1 | | |
| 180-05X-1, 180-06X-1, 180-07X-1, 180-08X-1, 180-10X-1, 180-12X-1 | | |
| 183-30-1, 183-40-1, 183-45-1, 183-50-1, 183-55-1, 183-60-1 | | |
| 183-40X-1, 183-45X-1, 183-50X-1, 183-55X-1 | | |
| 458-8-F | | |
| 716-M6-1, 716-M8-1, 716-M11-1, 716-M14-1, 716-M18-1, | | |
| 801-145-1 | | |

IFF1E001

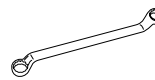


- Double offset ring wrenches
- 8 pieces

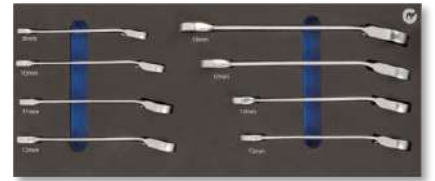


IFF1E001 1 445 x 181 x 40

- 15-0607-1, 15-0809-1, 15-1011-1,
15-1213-1, 15-1415-1, 15-1617-1,
15-1819-1, 15-2022-1



IFF1E002

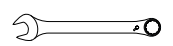


- Ratcheting combination wrenches
- 8 pieces

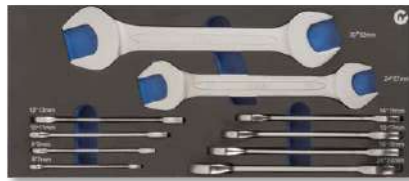


IFF1E002 1 445 x 181 x 40

- 18-08-1, 18-10-1, 18-11-1, 18-12-1,
18-13-1, 18-14-1, 18-17-1, 18-19-1



IFF1E003

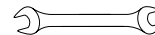


- Double open end wrenches
- 10 pieces



IFF1E003 1 445 x 181 x 40

- 10-0607-1, 10-0809-1, 10-1011-1,
10-1213-1, 10-1415-1, 10-1617-1,
10-1819-1, 10-2022-1, 10-2427-1,
10-3032-1



IFF1E004

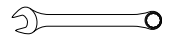


- Combination wrenches
- 16 pieces



IFF1E004 1 445 x 181 x 40

- 25-06-2, 25-07-2, 25-08-2, 25-09-2,
25-10-2, 25-11-2, 25-12-2, 25-13-2,
25-14-2, 25-15-2, 25-16-2, 25-17-2,
25-18-2, 25-19-2, 25-21-2, 25-22-2



IFF1E005

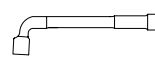


- Open pipe socket wrench, Hex
- 11 pieces

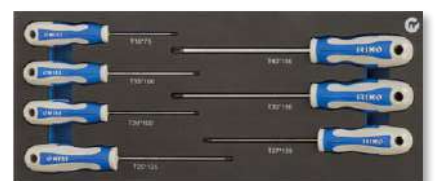


IFF1E005 1 445 x 181 x 40

- 52-08-1, 52-10-1, 52-11-1, 52-12-1,
52-13-1, 52-14-1, 52-15-1, 52-16-1,
52-17-1, 52-18-1, 52-19-1



IFF1E006

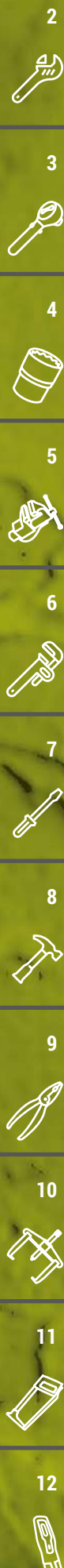


- TORX® screwdrivers
- 7 pieces



IFF1E006 1 445 x 181 x 40

- 414-10-75, 414-15-100,
414-20-100, 414-25-125,
414-27-125, 414-30-150,
414-40-150





IFF1E007

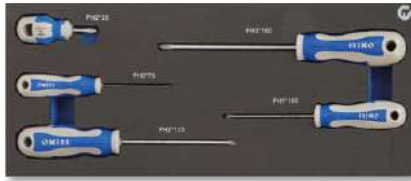


- Electrician straight and stubby screwdrivers, enginner slotted screwdriver
- 7 pieces

| | | |
|----------|---|----------------|
| | | |
| IFF1E007 | 1 | 445 x 181 x 40 |

| | |
|------------------------------------------------------------|--|
| 408-3-75, 408-3.5-100, 408-4-100, 408-5.5-125, 408-6.5-150 | |
| 407-8-150 | |
| 408-5.5-25 | |

IFF1E008

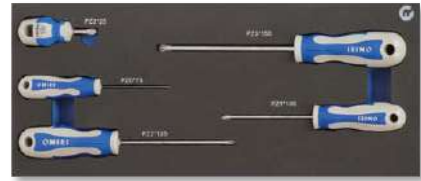


- Phillips screwdrivers
- 5 pieces

| | | |
|----------|---|----------------|
| | | |
| IFF1E008 | 1 | 445 x 181 x 40 |

| | |
|-------------------------------------------|--|
| 409-0-75, 409-1-100, 409-2-125, 409-3-150 | |
| 409-2-25 | |

IFF1E009

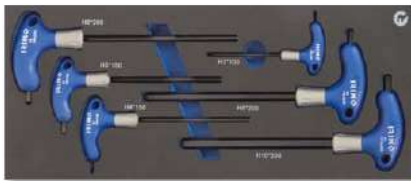


- Pozidriv and Stubby screwdrivers
- 5 pieces

| | | |
|----------|---|----------------|
| | | |
| IFF1E009 | 1 | 445 x 181 x 40 |

| | |
|-------------------------------------------|--|
| 413-0-75, 413-1-100, 413-2-125, 413-3-150 | |
| 413-2-25 | |

IFF1E010

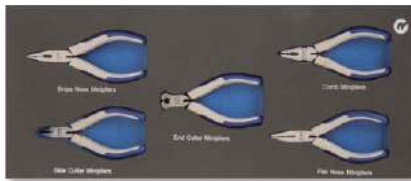


- T-Handle hexagonal screwdrivers
- 6 pieces

| | | |
|----------|---|----------------|
| | | |
| IFF1E010 | 1 | 445 x 181 x 40 |

| | |
|-------------------------------------------------------------------|--|
| 42-H3-100, 42-H4-150, 42-H5-150, 42-H6-200, 42-H8-200, 42-H10-200 | |
|-------------------------------------------------------------------|--|

IFF1E011

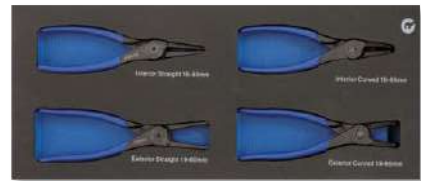


- Minipliers
- 5 pieces

| | | |
|----------|---|----------------|
| | | |
| IFF1E011 | 1 | 445 x 181 x 40 |

| | |
|------------|--|
| 601M-125-1 | |
| 612M-125-1 | |
| 624M-125-1 | |
| 626M-125-1 | |
| 604M-125-1 | |

IFF1E012



- Circlip pliers exterior and interior
- 4 pieces

| | | |
|----------|---|----------------|
| | | |
| IFF1E012 | 1 | 445 x 181 x 40 |

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|--------|--|
| 621571 | |
| 621671 | |
| 621771 | |
| 621871 | |

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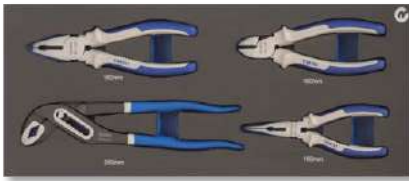
12





TROLLEY FOAMS 1/3 SYSTEM

IFF1E013



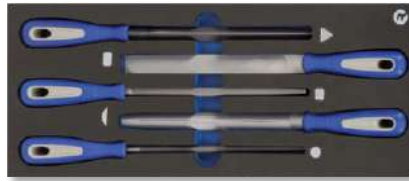
- Pliers
- 4 pieces



IFF1E013 1 445 x 181 x 40

| | |
|-----------|--|
| 601-180-1 | |
| 624-160-1 | |
| 612-160-1 | |
| 634-250-1 | |

IFF1E014



- Files
- 5 pieces



IFF1E014 1 445 x 181 x 40

| | |
|--------|--|
| 534411 | |
| 534351 | |
| 534321 | |
| 534291 | |
| 534381 | |

IFF1E015



- Socket set 1/2", sliding T-Handle, ratchet
- 21 pieces



IFF1E015 1 445 x 181 x 40

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-15-1, 121-16-1, 121-17-1, 121-18-1, 121-19-1, 121-21-1, 121-22-1, 121-23-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1 | |
| 125-70-1 | |
| 125-42-1 | |
| 125-23-1 | |
| 125-25-1 | |

IFF1E016



- Socket set 1/4", T-Handle, extensions, ratchet
- 18 pieces



IFF1E016 1 445 x 181 x 40

| | |
|------------------------------------------------------------------------------------------------------------------------------------|--|
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1 | |
| 105-70-1 | |
| 105-42-1 | |
| 105-50-1 | |
| 105-22-1 | |
| 105-24-1 | |

IFF1E017



- Pin punches and chisel
- 8 pieces



IFF1E017 1 445 x 181 x 40

| | |
|-------------------------------------------------------|--|
| 504-200-1 | |
| 516-002-1, 516-003-1, 516-004-1, 516-005-1, 516-006-1 | |
| 512-010-1, 512-012-1 | |

IFF1E018

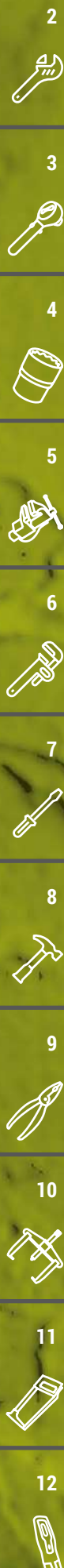


- Striking and cutting tools
- 4 pieces



IFF1E018 1 445 x 181 x 40

| | |
|-----------|--|
| 529171 | |
| 527-51-2 | |
| 982-TOR-1 | |
| 668-150-1 | |





IFF1E019



- Bit set 1/4", measuring tape, battery
- 72 pieces

IFF1E019 1 445 x 181 x 40

475-61-1

48-9-H

980-3-1

L14

IFF1E021



- Stud extractor ad pullers
- 8 pieces

IFF1E021 1 445 x 181 x 40

701-90-1

702-40-1

703-40-1

716-5-1

IFF1E023



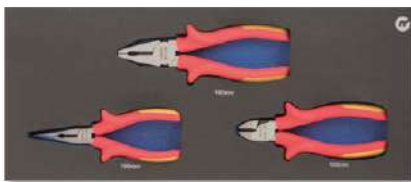
- Adjustable central nut and slip joint plier
- 2 pieces

IFF1E023 1 445 x 181 x 40

5-250C-1

634Q-250-1

IFF1E024



- Insulated pliers and cutter
- 3 pieces

IFF1E024 1 445 x 181 x 40

601V-180-1

612V-160-1

624V-160-1

IFF1E025



- Insulated 1000V screwdrivers
- 6 pieces

IFF1E025 1 445 x 181 x 40

408V-3-100, 408V-4-100, 408V-5.5-125, 408V-6.5-150

409V-1-150, 409V-2-175

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TOOL TROLLEYS

3 TOOL BOXES TOWER ON WHEELS



- Multiple compartments provide large storage capacity allowing easy organization of tools
- Combination of steel and PP plastic provides robustness but light
- On wheels solution, together with the telescopic handle, makes its driving easy even when very loaded
- Rubber wheels dim: 125 x 35 mm
- Locking bar with padlock for full locking included
- The 3 compartments can be attached and detached easily with the lateral metallic latches
- **Top compartment:**
int dim: 485 x 225 x 210 mm
Can be used as an independent tool box and it can be locked using a padlock
Alu big handle makes its transport easy and comfortable
Retractable side handles help to lift when very loaded
Portable tray included 450 x 185 x 45 mm
- **Medium compartment:**
int dim of 2 drawers: 390 x 215 x 60 mm
2 Drawers with ball bearing sliders and full extension, also padlockable
- **Bottom compartment:**
int dim: 403 x 200 x 265 mm
Drawer pivots giving full access and making the storage hose reels, drills and similar big tools/ accessories easy
- Telescopic handle is permanently attached to the bottom compartment and has 4 positions: 995 mm, 900 mm, 800 mm and 645 mm
- External dim: 520 x 320 x 720 mm

| R | Icon | mm | kg |
|------------|------|-----------------|----|
| 9021FTW520 | 1 | 520 x 320 x 720 | 15 |

SPARE PARTS

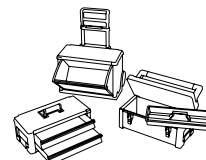
| | | |
|----------------|-------------------------|-------------|
| 9021FTW520-AC1 | 2 wheels & spindle | 125 x 35 mm |
| 9021FTW520-AC2 | Lock for tower | |
| 9021FTW520-AC3 | 4 latches tower | |
| 9021FTW520-AC4 | Telescopic handle | |
| 9021FTW520-AC5 | Aluminium handle topbox | |

TOWER 3 IN 1 WITH FOAM AND TOOLS , 98 pieces



| R | Icon | mm | kg |
|------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|------|
| 9021FTW520FF1 | 1 | 520 x 320 x 720 | 22.5 |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1 | | 1/4 | |
| 121-08-1, 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-16-1, 121-17-1, 121-19-1, 121-21-1, 121-22-1 | | 1/2 | |
| 105-70-1 | | 475-1/4-125 | |
| 105-40-1 | | 105-50-1 | |
| 105-22-1 | | 105-24-1 | |
| 105-42-1 | | 125-70-1 | |
| 125-40-1 | | 125-43-1 | |
| 125-23-1 | | 125-25-1 | |
| 46-8-F | | 475-32-1 | |
| 980-3B-1 | | | |
| 407-5.5-125 | | 409-1-100 | |
| 407-6.5-150 | | 409-2-125 | |
| 612-160-1 | | 601-180-1 | |
| 625-180-1 | | 604-160-1 | |
| 5-250C-1 | | 522-31-2 | |
| 634-250-1 | | 665-200-1 | |
| 25-08-1, 25-09-1, 25-10-1, 25-11-1, 25-12-1, 25-13-1, 25-14-1, 25-17-1, 25-19-1 | | | |

9021FTW520





2 TRAYS ROLL CART



- 2 tray set roll cart
- Manufactured and designed for easy and quick assembly
- Wheels of 100 x 25 mm with ball bearings and non-marking TPR outsurface:
2 fixed and 2 swivel with brake
- Trays internal dimensions:
(2x) 750 x 425 x 77 mm

| Code | Qty | Dimensions (mm) | Weight (kg) | Wheels (mm) | Wheels (mm) | Wheels (mm) | Wheels (mm) |
|-----------|-----|-------------------|-------------|----------------|-------------|-------------|-------------|
| 9064K-02 | 1 | 759 x 432 x 1.025 | 300 | 759 x 432 x h | 50 | 25 x 100 | 19 |
| 9064K-02T | 1 | | | 757 x 425 x 77 | 50 | | 3.25 |

TRANSPORTERS

FOLDABLE TRANSPORTER



- Robust
- Elastic bands included to fix the load (safety feature)
- Steel frame
- 250 x 450 mm aluminum footplate
- 170 mm PP wheels
- Overall size:
480 x 420 x 740-1000 mm

| Code | Qty | Dimensions (mm) | Weight (kg) | Wheels (mm) | Wheels (mm) |
|----------|-----|-----------------|-------------|-------------|-------------|
| 9063FT90 | 1 | 250 x 450 | 90 | 170 | 4.3 |

TRANSPORTER



- Strong Steel frame
- Steel plate provide high robustness
- Wheels: 2 fixed and 2 rear swivel for easy maneuverings
- Push/pull handle that folds for easy storage and carriage
- Non-slip platform surface
- Overall size 150 kgs:
– Unfolded: 730 x 470 x 820 mm
– Folded: 730 x 470 x 225 mm
- Overall size 300 kgs:
– Unfolded: 920 x 620 x 870 mm
– Folded: 920 x 620 x 300 mm

| Code | Qty | Dimensions (mm) | Weight (kg) | Wheels (mm) | Wheels (mm) |
|-----------|-----|-----------------|-------------|-------------|-------------|
| 9063HT150 | 1 | 730 x 470 | 150 | 25 x 100 | 7.5 |
| 9063HT300 | 1 | 920 x 620 | 300 | 25 x 125 | 15.0 |



SPARE PARTS

| Code | Description | Code | Dimensions (mm) | Weight (kg) |
|-------------|-----------------------|-----------|-----------------|-------------|
| 9063HT150FI | (2x) 4" fixed wheels | 9063TH150 | 130 x 100 x 30 | 0.30 |
| 9063HT150SW | (2x) 4" swivel wheels | 9063TH150 | 130 x 100 x 30 | 0.35 |
| 9063HT300FI | (2x) 5" fixed wheels | 9063TH300 | 157 x 125 x 37 | 0.80 |
| 9063HT300SW | (2x) 5" swivel wheels | 9063TH300 | 157 x 125 x 37 | 0.90 |

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WORKBENCH

HEAVY DUTY STEEL WORKBENCH WITH 4-LEG



- Sturdy metallic workbench
- 4 height adjustable legs
- Foot with threaded stud ended with anti-slippery rubber
- 4 optional wheels (9062-CAST-1)
- Two drawers 450 mm for 1.500 mm version
Three drawers 450 mm for 1.800 version
With lock key
- Same plate thickness on top and bottom tray: 2 mm
- Strong anti-scratch paint
- Max load capacity 500 kgs top and 200 kgs on the bottom tray
- Very well protected in a wooden box and super easy to mount

| Code | Qty | Dimensions (mm) | Load Capacity (kg) | Weight (kg) |
|-------------|-----|------------------|--------------------|-------------|
| 9062-1500-1 | 1 | 1500 x 640 x 865 | 500 | 56.9 |
| 9062-1800-1 | 1 | 1800 x 640 x 865 | 500 | 68.2 |

TOOL PANEL WITH REINFORCED FRAME FOR 9062 WORKBENCHES



- Metal panels with reinforced frame for 9062 workbenches
- Standard holes rounded diam. 5 mm
- 2.5 mm distance between holes
- Composed by three metal sheets with two supporting poles
- Specific holes made to attach them to wall if the workbench is not needed
- Possibility to attach to the workbench with two fixing parts (9062-FIX-1)

| Code | Qty | Dimensions (mm) | Weight (kg) |
|--------------|-----|-----------------|-------------|
| 9062-P1500-1 | 1 | 1500 x 990 | 14.7 |
| 9062-P1800-1 | 1 | 1800 x 990 | 17.6 |

HOOK KIT FOR 9062 CABINET AND PANEL



- Kit of three different hooks for rounded hole panels

| Code | Qty | Weight (kg) |
|-------------|-----|-------------|
| 9062-HOOK-1 | 1 | 300 |

PACK OF FOUR WHEELS FOR WORKBENCH



- 2 in 1 wheel for 9062 workbenches
- Convertible into fixed legs by moving the red wheel and the rubber block will go down until making it steady
- Simple threaded stud insertion into the leg will make the process easy to have two options for the workbench

| Code | Qty | Dimensions (mm) | Weight (kg) |
|-------------|-----|-----------------|-------------|
| 9062-CAST-1 | 1 | 140 x 202 x 90 | 2.6 |

TOOL PANEL ADAPTORS FOR WORKBENCH



- Two squares with bolts for fixing the panel into the 9062 workbench

| Code | Qty | Weight (kg) |
|------------|-----|-------------|
| 9062-FIX-1 | 1 | 320 |



FOLDABLE WORKBENCH



- Foldable workbench supporting up to 160 kg of weight
- Very compact: folds flat for easy transport and storage
- Adjustable pivot pins and jaw retention slots provide clamping versatility and secure material retention
- Double clamping cranks increase clamping strength and versatility
- Anti-slip rubber feet
- Sturdy steel frame construction
- Specially designed for easy installation and cleaning
- Folded size: 150 x 610 x 900 mm

| Code | Qty | Dimensions (mm) | Weight (kg) |
|------------|-----|-----------------|-------------|
| 9062FWB160 | 1 | 760 x 610 x 605 | 160 |

METALLIC TOOL BOXES

TWO HANDLE MODEL



902021 / 902031



902131

- Cantilever style tool box with fixed handles for easy opening
- Tube type handle is user friendly, specially if the box is very loaded
- Fixed dividers in the top trays make the small pieces storage comfortable and easy
- Hinge system allows easy opening of the lids and avoids dust entering the tool box
- The box can be locked by padlock
- All corners are bent or ground to avoid sharp edges
- Made of high degree metal sheet, ensures product performance and longevity

| Code | Qty | Dimensions (mm) | Trays | Weight (kg) |
|--------|-----|-----------------|-------|-------------|
| 902021 | 1 | 400 x 210 x 190 | 3 | 3.4 |
| 902031 | 1 | 500 x 210 x 190 | 3 | 4.1 |
| 902131 | 1 | 500 x 210 x 245 | 5 | 5.4 |

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METALLIC TOOL BOXES

ALUMINIUM TOOL CASE WITH TOOLS, 97 pieces



| Code | Quantity | Dimensions (mm) | Weight (kg) |
|------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------|
| 9024-1TS1 | 1 | 460 x 115 x 365 | 8.8 |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1 | | | |
| 121-08-1, 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-16-1, 121-17-1, 121-19-1, 121-21-1, 121-22-1 | | | |
| 25-08-2, 25-09-2, 25-10-2, 25-11-2, 25-12-2, 25-13-2, 25-14-2, 25-17-2, 25-19-12 | | | |
| 407-5.5-125 | | 409-1-100 | |
| 407-6.5-150 | | 409-2-125 | |
| 105-70-1 | | 105-50-1 | |
| 105-40-1 | | 105-42-1 | |
| 105-22-1 | | 105-24-1 | |
| 125-70-1 | | 125-40-1 | |
| 125-23-1 | | 125-25-1 | |
| 125-43-1 | | | |
| 46-8-F | | 475-32-1 | |
| 5-250C-1 | | 604-160-1 | |
| 612-160-1 | | 601-180-1 | |
| 625-180-1 | | 634-250-1 | |
| 522-31-2 | | 665-200-1 | |
| 980-3B-1 | | | |

ALUMINIUM TOOL CASE WITH TOOLS, 145 pieces



| Code | Quantity | Dimensions (mm) | Weight (kg) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|-------------|
| 9024-1TS145 | 1 | 450 x 115 x 290 | 12.5 |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1 | | | |
| 121-08-1, 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-15-1, 121-16-1, 121-17-1, 121-18-1, 121-19-1, 121-21-1, 121-22-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1 | | | |
| 25-08-2, 25-09-2, 25-10-2, 25-11-2, 25-12-2, 25-13-2, 25-14-2, 25-15-2, 25-16-2, 25-17-2, 25-18-2, 25-19-2 | | | |
| 105-70-1 | | 105-50-1 | |
| 105-22-1 | | 105-24-1 | |
| 105-40-1 | | 105-42-1 | |
| 105-48-1 | | 5-250C-1 | |
| 125-23-1 | | 125-25-1 | |
| 125-70-1 | | 125-40-1 | |
| 125-43-1 | | 125-53-1, 125-54-1 | |
| 46-8-F | | 475-61-1 | |
| 801-041-1 | | 980-5-1 | |
| 666-156-1 | | 665-200-1 | |
| 520-43-2 | | L-ALUM-1 | |
| 634-250-1 | | 632-220-1 | |
| 624-160-1 | | 601-180-1 | |
| 612-160-1 | | 604-160-1 | |
| 984-6D-1 | | 475-5-1 | |





PLASTIC BOX - LOOSE KIT, 48 pieces



| Code | Quantity | Dimensions (mm) | Weight (kg) | | |
|--------------|----------|-----------------|--------------|---|--|
| 9023PT565TS1 | 1 | 170 x 565 x 302 | 10 | | |
| 408V-3-100 | 1 | | 408V-4-100 | 1 | |
| 408V-5.5-125 | 1 | | 408V-6.5-150 | 1 | |
| 409V-1-150 | 1 | | 409V-2-175 | 1 | |
| 601V-180-1 | 1 | | 612V-160-1 | 1 | |
| 624V-160-1 | 1 | | 629V-160-1 | 1 | |
| 634V-250-1 | 1 | | 429-03-1 | 1 | |
| 5-200C-1 | 1 | | 661051 | 1 | |
| 801-145-1 | 1 | | 666-156-1 | 1 | |
| 980-3-1 | 1 | | 475-32-1 | 1 | |
| 9023PT565 | 1 | | | | |

PLASTIC TOOL BOX



- Double deck plastic tool box
- Upper side: 18 compartments to storage small items
- Transparent resistant cover
- Locking handle system with two metallic latches
- Stainless tube handle with plastic grip for better comfort and easy carrying

| Code | Quantity | Dimensions (mm) | Weight (kg) |
|-----------|----------|-----------------|-------------|
| 9023PT565 | 1 | 170 x 565 x 320 | 2.4 |

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FABRIC BAGS

TOOL BAG WITH TUBULAR HANDLE



- 17" Open style bag for easy quick view and accessibility
- Soft bottom reinforced with plastic feet
- Hard waterproof bottom
- 11 Different vertical side pouches for better tool organization
- Aluminum handle for strengthening the structure with foam grip
- Detachable shoulder strap with cushion on the adjustable shoulder part for easier transportation
- 600x300 Denier fabric ensures product performance and longevity
- Delivered folded

| | | | | | |
|-------------|---|-----------------|----|----|-----|
| | | | | | |
| 9022-1-16SB | 1 | 440 x 210 x 310 | 21 | 15 | 1.5 |

TOOL BAG WITH TUBULAR HANDLE



- 19" Open style bag for easy quick view and accessibility
- Soft bottom reinforced with plastic feet
- Hard waterproof bottom
- 12 Different vertical side pouches inside and outside for better tool organization and measuring tape holder
- Internal detachable panel with 10 pouches and elastics for tool holding
- Specific Velcro straps for spirit levels or any other long tool
- Aluminum handle for strengthening the structure with foam grip
- Detachable shoulder strap with cushion on the adjustable shoulder part for easier transportation
- 600x300 Denier fabric ensures product performance and longevity
- Delivered folded

| | | | | | |
|-------------|---|-----------------|----|----|-----|
| | | | | | |
| 9022-1-19HB | 1 | 490 x 240 x 350 | 32 | 20 | 1.5 |

TOOL BAG WITH ZIP



- 16" Bag with zip closing system for quick view and accessibility
- Hard waterproof bottom
- 10 External divers size pouches and 14 internal vertical pouches for better tool organization
- Some external pouches are covered for better protecting and a measuring tape holder is also included
- Detachable shoulder strap with cushion on the adjustable shoulder part
- 600x300 Denier fabric ensures product performance and longevity

| | | | | | |
|-------------|---|-----------------|----|----|-----|
| | | | | | |
| 9022-2-16HB | 1 | 420 x 240 x 300 | 24 | 18 | 1.2 |

TOOL BAG WITH ZIP



- 19" Bag with zip closing system for quick view and accessibility
- Hard waterproof bottom
- 17 External divers size pouches and 14 internal vertical pouches for better tool organization
- Some external pouches are covered for better protecting and a measuring tape holder is also included
- Detachable shoulder strap with cushion on the adjustable shoulder part
- 600x300 Denier fabric ensures product performance and longevity

| | | | | | |
|-------------|---|-----------------|----|----|-----|
| | | | | | |
| 9022-2-19HB | 1 | 490 x 240 x 370 | 35 | 20 | 1.5 |



LAPTOP AND TOOL BACK-PACK



* The bag comes without tools



- Big storage capacity: 20 litres and 16 kilos, thanks to several pouches and detachable tool organizer
- Specific laptop compartment
- Detachable part: 10 pockets provides a better tool distribution
- Smartphone pocket within frontal compartment

| | | | | | |
|----------|---|-----------------|----|----|------|
| | | | | | |
| 9022-BP1 | 1 | 300 x 450 x 175 | 20 | 16 | 1.93 |

BACK-PACK WITH WHEELS



* The bag comes without tools



- Telescopic handle and 2 fixes wheels for easy transportation
- Big storage capacity: 26 litres and 20 kilos, thanks to several internal/external pouches and detachable tool organizer
- Detachable organizer with 2 handles: 51 pockets of different sizes providing a better tool distribution
- Measuring tape holder

| | | | | | |
|----------|---|-----------------|----|----|---|
| | | | | | |
| 9022-BPW | 1 | 360 x 440 x 220 | 26 | 20 | 4 |

POUCHES, BELTS AND FOLDERS

FOLDER – EMPTY



- Multiple elastics in bottom and lid for better tool distribution
- Double zip
- Rubber soft handle
- Net on the lid for documentation

| | | | |
|-----------|---|----------------|-----|
| | | | |
| 9022-4-26 | 1 | 258 x 55 x 258 | 810 |

FOLDER – EMPTY



- Multiple elastics in bottom and lid for better tool distribution
- Double zip
- Rubber soft handle
- Net on the lid for documentation

| | | | |
|-----------|---|----------------|-----|
| | | | |
| 9022-4-35 | 1 | 353 x 50 x 310 | 810 |

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POUCHES, BELTS AND FOLDERS

FOLDER – WITH 18 TOOLS



| Code | Quantity | Dimensions (mm) | Weight (kg) |
|--------------|----------|-----------------|-------------|
| 9022-4-26TS1 | 1 | 258 x 55 x 258 | 1.5 |
| 475R-1/4-110 | | | 5-200C-1 |
| 624-140-1 | | | 601-160-1 |
| 982-TOR-1 | | | 980-3-1 |
| 9022-4-26 | | | |

FOLDER – WITH 28 TOOLS



| Code | Quantity | Dimensions (mm) | Weight (kg) |
|--------------|----------|-----------------|-------------|
| 9022-4-35TS1 | 1 | 353 x 50 x 310 | 3 |
| 475R-1/4-110 | | | 46-9-H |
| 5-200C-1 | | | 624-160-1 |
| 601-160-1 | | | 520-43-2 |
| 668-150-1 | | | 980-5-1 |
| 9022-4-35 | | | |

HAMMER HOLDER



| Code | Quantity | Dimensions (mm) | Weight (g) |
|-----------|----------|-----------------|------------|
| 9022-3-20 | 1 | 170 x 70 x 120 | 120 |

STRIKING SET



| Code | Quantity | Weight (g) |
|--------------|----------|------------|
| 9022-3-20TS1 | 1 | 790 |
| 9022-3-20 | | 520-43-2 |

STRIKING SET



| Code | Quantity | Weight (g) |
|--------------|----------|------------|
| 9022-3-20TS2 | 1 | 790 |
| 9022-3-20 | | 520-41-2 |



PLIER POUCH



| | | | |
|-----------|---|----------|----|
| | | | |
| 9022-3-30 | 1 | 260 x 95 | 40 |

TOOL POUCH



| | | | |
|-----------|---|----------------|----|
| | | | |
| 9022-3-40 | 1 | 290 x 10 x 150 | 60 |

ELECTRICIAN 4 PIECES SET IN POUCH



| | | | |
|--------------|---|---------------|-----|
| | | | |
| 9022-3-30TS1 | 1 | 260 x 95 x 30 | 580 |
| 407-4-100 | | 409-1-100 | |
| 601-180-1 | | 668-150-1 | |
| 9022-3-30 | | | |

MRO 7 PIECES SET IN POUCH



| | | | |
|--------------|---|----------------|------|
| | | | |
| 9022-3-40TS1 | 1 | 290 x 60 x 150 | 1000 |
| 407-6.5-150 | | 409-2-125 | |
| 624-140-1 | | 601-160-1 | |
| 665-200-1 | | 5-150C-1 | |
| 9022-3-40 | | 980-3-1 | |

ELECTRICIAN 4 PIECES SET IN POUCH



| | | | |
|--------------|---|---------------|-----|
| | | | |
| 9022-3-30TS2 | 1 | 260 x 95 x 30 | 550 |
| 407-4-100 | | 409-1-100 | |
| 624-160-1 | | 668-150-1 | |
| 9022-3-30 | | | |

INSULATED 7 PIECES SET IN POUCH



| | | | |
|--------------|---|----------------|------|
| | | | |
| 9022-3-40TS2 | 1 | 290 x 60 x 150 | 1000 |
| 408V-4-100 | | 409V-1-150 | |
| 624V-160-1 | | 612V-160-1 | |
| 665-200-1 | | 5-150C-1 | |
| 9022-3-40 | | 980-3-1 | |

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POUCHES, BELTS AND FOLDERS

10 POCKETS TOOL POUCH



| | | | |
|-----------|---|----------------|-----|
| | | | |
| 9022-3-50 | 1 | 260 x 70 x 355 | 480 |

ADJUSTABLE BELT



| | | | |
|-----------|---|----------------|-----|
| | | | |
| 9022-3-10 | 1 | 1500 x 10 x 75 | 200 |

MRO 9 PIECES SET IN POUCH



| | | | |
|--------------|---|----------------|------|
| | | | |
| 9022-3-50TS1 | 1 | 260 x 95 x 355 | 2400 |

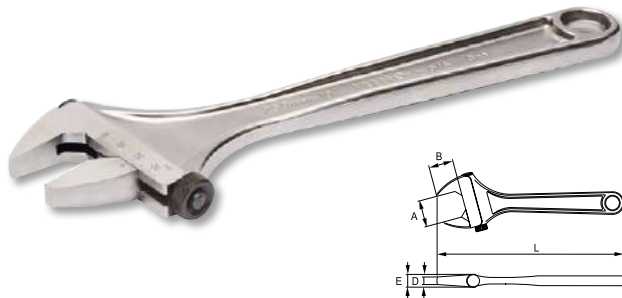
| | | | |
|-------------|--|-----------|--|
| 407-5.5-125 | | 409-1-100 | |
| 407-6.5-150 | | 409-2-125 | |
| 520-43-2 | | 634-250-1 | |
| 624-160-1 | | 982-TOR-1 | |
| 9022-3-50 | | 980-5-1 | |

A man with a beard, wearing a blue work uniform, is working on a car engine. He is looking upwards and to the right, with his right hand raised towards the engine. In his left hand, he holds a silver adjustable wrench. The background is dark and industrial, with a blue light cast over the scene. A yellow brushstroke graphic is overlaid across the middle of the image, containing the section header.

02. WRENCHES

ADJUSTABLE WRENCHES

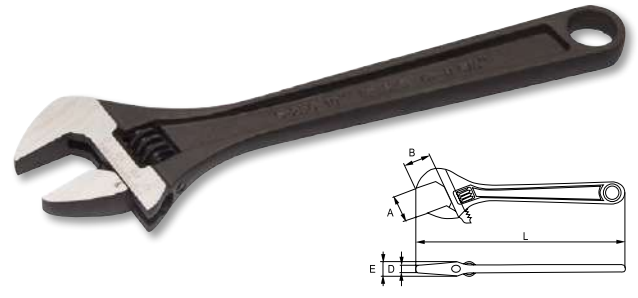
HEAVY DUTY ADJUSTABLE WRENCH



- Material: CrV
- Finish: Chrome-plated matt finished
- Hardness: 40-45 HRc
- Jaws angled at 15° to give good access even in confined spaces
- Standards: UNE 16532, ISO 6787, DIN 3117

| R | Box | Wrench | A mm | B mm | D mm | E mm | L mm | g |
|--------|-----|--------------|------|------|------|------|------|-------|
| 001021 | 5 | 150 mm - 6" | 21 | 18.5 | 6.5 | 12 | 155 | 140 |
| 001031 | 5 | 200 mm - 8" | 29 | 26 | 8 | 14 | 205 | 290 |
| 001041 | 5 | 250 mm - 10" | 34 | 32 | 9 | 17 | 255 | 510 |
| 001051 | 3 | 300 mm - 12" | 39 | 36 | 10 | 20 | 305 | 795 |
| 001061 | 1 | 400 mm - 16" | 49 | 44 | 14 | 26 | 405 | 1.620 |
| 001071 | 1 | 500 mm - 20" | 62 | 53 | 17 | 30 | 500 | 2.860 |
| 001081 | 1 | 750 mm - 30" | 78 | 70 | 23 | 37 | 750 | 5.550 |

CENTRAL NUT



- Material: CrV
- Black finish
- Hardness: 40-45 HRc
- Jaws angled at 15° to give access even in confined spaces
- Standards: UNE 16532, ISO 6787, DIN 3117
- -1 Retail packaging
- -2 Industrial packaging

| R | Box | Wrench | A mm | B mm | D mm | E mm | L mm | g |
|---------|-----|--------------|------|------|------|------|------|-------|
| 5-100-1 | 5 | 100 mm - 4" | 13 | 13.5 | 3.5 | 9 | 115 | 60 |
| 5-150-1 | 5 | 150 mm - 6" | 20 | 21 | 5.5 | 12 | 160 | 130 |
| 5-200-1 | 5 | 200 mm - 8" | 24 | 26 | 7.5 | 13.5 | 205 | 250 |
| 5-250-1 | 5 | 250 mm - 10" | 29 | 29.5 | 9 | 16 | 260 | 405 |
| 5-300-1 | 5 | 300 mm - 12" | 36 | 36 | 11 | 19 | 310 | 650 |
| 5-100-2 | 60 | 100 mm - 4" | 13 | 13.5 | 3.5 | 9 | 115 | 60 |
| 5-150-2 | 50 | 150 mm - 6" | 20 | 21 | 5.5 | 12 | 160 | 130 |
| 5-200-2 | 40 | 200 mm - 8" | 24 | 26 | 7.5 | 13.5 | 205 | 250 |
| 5-250-2 | 30 | 250 mm - 10" | 29 | 29.5 | 9 | 16 | 260 | 405 |
| 5-300-2 | 20 | 300 mm - 12" | 36 | 36 | 11 | 19 | 310 | 650 |
| 5-375-2 | 1 | 375 mm - 15" | 43 | 45 | 13 | 24 | 385 | 1.230 |
| 5-450-2 | 1 | 450 mm - 18" | 57 | 53 | 15 | 27.5 | 465 | 2.000 |

CENTRAL NUT



- Material: CrV
- Finish: Chrome-plated
- Hardness: 40-45 HRc
- Jaws angled at 15° to give good access even in confined spaces
- Standards: UNE 16532, ISO 6787, DIN 3117
- -1 Retail packaging
- -2 Industrial packaging

| R | Box | Wrench | A mm | B mm | D mm | E mm | L mm | g |
|----------|-----|--------------|------|------|------|------|------|-------|
| 5-100C-1 | 5 | 100 mm - 4" | 13 | 13.5 | 3.5 | 9 | 115 | 60 |
| 5-150C-1 | 5 | 150 mm - 6" | 20 | 21 | 5.5 | 12 | 160 | 130 |
| 5-200C-1 | 5 | 200 mm - 8" | 24 | 26 | 7.5 | 13.5 | 205 | 250 |
| 5-250C-1 | 5 | 250 mm - 10" | 29 | 29.5 | 9 | 16 | 260 | 405 |
| 5-300C-1 | 5 | 300 mm - 12" | 36 | 36 | 11 | 19 | 310 | 650 |
| 5-375C-2 | 1 | 375 mm - 15" | 43 | 45 | 13 | 24 | 385 | 1.230 |
| 5-450C-2 | 1 | 450 mm - 18" | 57 | 53 | 15 | 27.5 | 465 | 2.000 |



PHOSPHATED ADJUSTABLE WRENCH SET

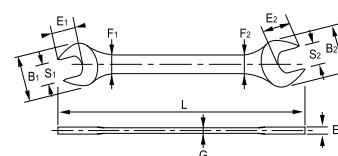


- Material: CrV; Black finish
- Hardness: 40-45 HRc
- Jaws angled at 15° to give access even in confined spaces
- Standards: UNE 16532, ISO 6787, DIN 3117

| E | Box | X | Box | g |
|------------------------------------|-----|---|----------------|-------|
| 5-4-W | 1 | 4 | 50 x 330 x 110 | 1.500 |
| 5-150-2, 5-200-2, 5-250-2, 5-300-2 | | | | |

OPEN END WRENCHES

DOUBLE OPEN END WRENCHES



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRc
- Standards: DIN 3110, ISO 10102, ISO 1085, ISO 1711, ISO 691, ISO 3318

| E | Box | S1 x S2 mm | L mm | B1 mm | B2 mm | F1 mm | F2 mm | E1 mm | E2 mm | E mm | G mm | g |
|-----------|-----|------------|-------|-------|-------|-------|-------|-------|-------|------|------|-----|
| 10-0405-1 | 1 | 4 x 5 | 105 | 13 | 15 | 6.5 | 7.5 | 7.2 | 7 | 3.2 | 2.5 | 15 |
| 10-0607-1 | 1 | 6 x 7 | 122 | 17.4 | 19.4 | 7.5 | 8.5 | 8.1 | 9 | 4.1 | 2.8 | 21 |
| 10-0809-1 | 1 | 8 x 9 | 137 | 20.4 | 22.4 | 8.5 | 9.5 | 10.5 | 11.2 | 4.6 | 3.3 | 30 |
| 10-1011-1 | 1 | 10 x 11 | 151.4 | 24.2 | 27.2 | 10.5 | 11.5 | 11.6 | 13.3 | 5.4 | 3.8 | 46 |
| 10-1013-1 | 1 | 10 x 13 | 151.4 | 24.2 | 37.2 | 10.5 | 11.5 | 11.6 | 13.3 | 5.4 | 3.8 | 46 |
| 10-1213-1 | 1 | 12 x 13 | 166.5 | 29.4 | 31.4 | 12.5 | 13.5 | 13.6 | 15.3 | 6.1 | 4 | 66 |
| 10-1415-1 | 1 | 14 x 15 | 182 | 32.4 | 35.4 | 13.5 | 14.5 | 16 | 17.5 | 6.5 | 4.4 | 95 |
| 10-1617-1 | 1 | 16 x 17 | 196.5 | 36.4 | 38.4 | 15.5 | 16.5 | 18.5 | 19.6 | 6.9 | 4.8 | 124 |
| 10-1719-1 | 1 | 17 x 19 | 221 | 40.4 | 42.4 | 16.5 | 18.5 | 20.8 | 22.4 | 7.4 | 5.1 | 160 |
| 10-1819-1 | 1 | 18 x 19 | 211.9 | 40.4 | 42.4 | 16.5 | 18.5 | 20.8 | 21.2 | 7.4 | 5.1 | 157 |
| 10-2022-1 | 1 | 20 x 22 | 226.9 | 43.4 | 47.4 | 18.5 | 19.5 | 23.3 | 24.5 | 8.6 | 5.6 | 188 |
| 10-2123-1 | 1 | 21 x 23 | 241.9 | 46.4 | 50.4 | 18.5 | 20.5 | 23.6 | 26 | 9.2 | 5.8 | 211 |
| 10-2224-1 | 1 | 22 x 24 | 241.9 | 46.4 | 50.4 | 18.5 | 20.5 | 23.6 | 26 | 9.2 | 5.8 | 208 |
| 10-2426-1 | 1 | 24 x 26 | 261.9 | 50.4 | 54.4 | 21.5 | 23.5 | 27.9 | 29.8 | 10 | 6.2 | 293 |
| 10-2427-1 | 1 | 24 x 27 | 261.9 | 50.4 | 54.4 | 21.5 | 23.5 | 27.9 | 29.8 | 10 | 6.2 | 284 |
| 10-2528-1 | 1 | 25 x 28 | 281.9 | 54.4 | 59.4 | 23.5 | 24.5 | 28.6 | 30.7 | 10.6 | 6.6 | 366 |
| 10-2729-1 | 1 | 27 x 29 | 282.4 | 54.6 | 59.6 | 23.5 | 24.5 | 28.6 | 30.7 | 10.6 | 6.6 | 362 |
| 10-3032-1 | 1 | 30 x 32 | 302.9 | 61.4 | 68.4 | 24.5 | 26.5 | 33.4 | 35.5 | 11 | 7 | 481 |

OPEN END WRENCHES

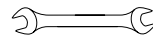
DOUBLE OPEN END WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3110, ISO 10102, ISO 1085, ISO 1711, ISO 691, ISO 3318

| | | | | |
|--------|---|---|----------------|-----|
| | | | | |
| 10-8-H | 1 | 8 | 250 x 120 x 50 | 870 |

10-0607-1, 10-0809-1, 10-1011-1, 10-1213-1, 10-1415-1, 10-1617-1, 10-1819-1, 10-2022-1



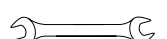
DOUBLE OPEN END WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3110, ISO 10102, ISO 1085, ISO 1711, ISO 691, ISO 3318

| | | | | |
|---------|---|----|----------------|-------|
| | | | | |
| 10-12-H | 1 | 12 | 350 x 150 x 70 | 2.975 |

10-0607-1, 10-0809-1, 10-1011-1, 10-1213-1, 10-1415-1, 10-1617-1, 10-1819-1, 10-2022-1, 10-2123-1, 10-2426-1, 10-2528-1, 10-3032-1



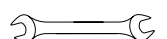
DOUBLE OPEN END WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3110, ISO 10102, ISO 1085, ISO 1711, ISO 691, ISO 3318

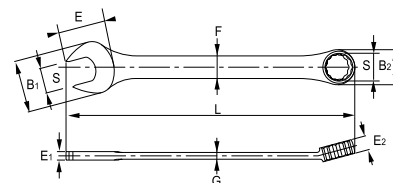
| | | | | |
|---------|---|----|-----------------|-------|
| | | | | |
| 10-12-W | 1 | 12 | 400 x 140 x 100 | 2.975 |

10-0607-1, 10-0809-1, 10-1011-1, 10-1213-1, 10-1415-1, 10-1617-1, 10-1819-1, 10-2022-1, 10-2123-1, 10-2426-1, 10-2528-1, 10-3032-1



COMBINATION WRENCHES

COMBINATION WRENCHES IN MM



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRc
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738
- -1 Retail packaging
- -2 Industrial packaging

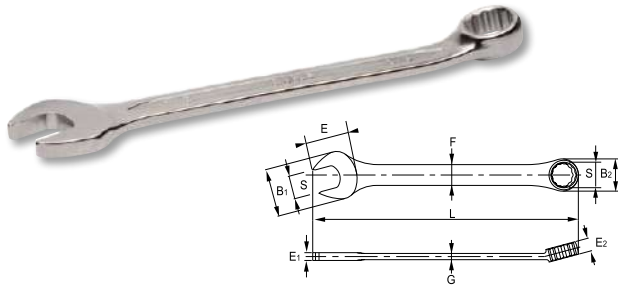
| Q | Icon | S mm | L mm | B1 mm | B2 mm | F mm | E mm | E1 mm | E2 mm | G mm | g |
|---------|------|------|-------|-------|-------|------|------|-------|-------|------|-----|
| 25-06-1 | 1 | 6 | 103 | 15.7 | 10.6 | 6.2 | 7.9 | 3.7 | 5.2 | 3 | 15 |
| 25-07-1 | 1 | 7 | 109 | 18 | 12.1 | 6.8 | 8.2 | 3.7 | 5.5 | 3 | 17 |
| 25-08-1 | 1 | 8 | 119 | 18.8 | 13.6 | 6.8 | 9.9 | 4.0 | 6 | 3.3 | 21 |
| 25-09-1 | 1 | 9 | 124 | 21 | 15.1 | 7.9 | 10.4 | 4.0 | 6.8 | 3.4 | 26 |
| 25-10-1 | 1 | 10 | 134 | 22.8 | 16.2 | 8.6 | 10.7 | 4.8 | 7 | 3.6 | 38 |
| 25-11-1 | 1 | 11 | 143 | 25.8 | 17.1 | 9.1 | 12.6 | 4.8 | 7.5 | 3.6 | 39 |
| 25-12-1 | 1 | 12 | 154 | 27.8 | 18.9 | 10 | 13.2 | 5.2 | 8 | 4.2 | 51 |
| 25-13-1 | 1 | 13 | 164 | 29.8 | 20.2 | 11.5 | 14.6 | 5.2 | 8.3 | 4.2 | 63 |
| 25-14-1 | 1 | 14 | 174 | 29.8 | 21.2 | 11.4 | 15.8 | 5.8 | 8.9 | 4.6 | 68 |
| 25-15-1 | 1 | 15 | 183 | 34.1 | 22.3 | 12.2 | 16.9 | 5.8 | 8.9 | 4.6 | 85 |
| 25-16-1 | 1 | 16 | 194 | 35.1 | 23.8 | 13.2 | 17.6 | 6.3 | 9.5 | 5 | 107 |
| 25-17-1 | 1 | 17 | 203 | 37.2 | 25.3 | 14.4 | 18.6 | 6.3 | 10 | 5 | 118 |
| 25-18-1 | 1 | 18 | 214 | 39.2 | 26.8 | 14.4 | 20.5 | 6.7 | 10.5 | 5.2 | 137 |
| 25-19-1 | 1 | 19 | 228 | 41.4 | 28.3 | 15.8 | 21.1 | 7.0 | 11.2 | 5.2 | 163 |
| 25-20-1 | 1 | 20 | 240 | 42.4 | 29.7 | 17.3 | 22.8 | 7.5 | 11.4 | 5.5 | 186 |
| 25-21-1 | 1 | 21 | 249.5 | 45.4 | 32.4 | 17.3 | 22.8 | 8.6 | 12.6 | 6 | 210 |
| 25-22-1 | 1 | 22 | 249.5 | 45.4 | 32.4 | 17.3 | 22.8 | 8.6 | 12.2 | 6 | 202 |
| 25-23-1 | 1 | 23 | 270 | 49.7 | 36.1 | 20.3 | 25 | 9.2 | 13.6 | 6.4 | 281 |
| 25-24-1 | 1 | 24 | 270 | 49.7 | 36.1 | 20.3 | 25 | 9.2 | 13.6 | 6.4 | 276 |
| 25-25-1 | 1 | 25 | 289.5 | 53.4 | 39.6 | 22.5 | 27.6 | 9.6 | 14.2 | 6.8 | 346 |
| 25-26-1 | 1 | 26 | 289.5 | 53.4 | 39.6 | 22.5 | 27.6 | 9.6 | 14.2 | 6.8 | 345 |
| 25-27-1 | 1 | 27 | 310 | 58.4 | 41.6 | 23.3 | 29.5 | 10.0 | 14.6 | 7.2 | 382 |
| 25-28-1 | 1 | 28 | 310 | 58.4 | 41.6 | 23.3 | 29.5 | 10.0 | 14.6 | 7.2 | 402 |
| 25-29-1 | 1 | 29 | 330 | 60.4 | 45.6 | 23.3 | 32.1 | 10.6 | 15.6 | 7.6 | 476 |
| 25-30-1 | 1 | 30 | 330 | 60.4 | 45.6 | 23.3 | 32.1 | 10.6 | 15.6 | 7.6 | 468 |
| 25-32-1 | 1 | 32 | 349 | 67.4 | 48.8 | 25.3 | 35.6 | 11.2 | 17.8 | 8 | 567 |
| 25-34-1 | 1 | 34 | 350 | 67.4 | 48.8 | 25.3 | 35.6 | 11.2 | 17.8 | 8 | 541 |

| Q | Icon | S mm | L mm | B1 mm | B2 mm | F mm | E mm | E1 mm | E2 mm | G mm | g |
|----------|------|------|-------|-------|-------|------|------|-------|-------|------|--------|
| 25-06-2 | 1 | 6 | 103 | 15.7 | 10.6 | 6.2 | 7.9 | 3.7 | 5.2 | 3 | 15 |
| 25-07-2 | 1 | 7 | 109 | 18 | 12.1 | 6.8 | 8.2 | 3.7 | 5.5 | 3 | 17 |
| 25-08-2 | 1 | 8 | 119 | 18.8 | 13.6 | 6.8 | 9.9 | 4.0 | 6 | 3.3 | 21 |
| 25-09-2 | 1 | 9 | 124 | 21 | 15.1 | 7.9 | 10.4 | 4.0 | 6.8 | 3.4 | 26 |
| 25-10-2 | 1 | 10 | 134 | 22.8 | 16.2 | 8.6 | 10.7 | 4.8 | 7 | 3.6 | 38 |
| 25-11-2 | 1 | 11 | 143 | 25.8 | 17.1 | 9.1 | 12.6 | 4.8 | 7.5 | 3.6 | 39 |
| 25-12-2 | 1 | 12 | 154 | 27.8 | 18.9 | 10 | 13.2 | 5.2 | 8 | 4.2 | 51 |
| 25-13-2 | 1 | 13 | 164 | 29.8 | 20.2 | 11.5 | 14.6 | 5.2 | 8.3 | 4.2 | 63 |
| 25-14-2 | 1 | 14 | 174 | 29.8 | 21.2 | 11.4 | 15.8 | 5.8 | 8.9 | 4.6 | 68 |
| 25-15-2 | 1 | 15 | 183 | 34.1 | 22.3 | 12.2 | 16.9 | 5.8 | 8.9 | 4.6 | 85 |
| 25-16-2 | 1 | 16 | 194 | 35.1 | 23.8 | 13.2 | 17.6 | 6.3 | 9.5 | 5 | 107 |
| 25-17-2 | 1 | 17 | 203 | 37.2 | 25.3 | 14.4 | 18.6 | 6.3 | 10 | 5 | 118 |
| 25-18-2 | 1 | 18 | 214 | 39.2 | 26.8 | 14.4 | 20.5 | 6.7 | 10.5 | 5.2 | 137 |
| 25-19-2 | 1 | 19 | 228 | 41.4 | 28.3 | 15.8 | 21.1 | 7.0 | 11.2 | 5.2 | 163 |
| 25-20-2 | 1 | 20 | 240 | 42.4 | 29.7 | 17.3 | 22.8 | 7.5 | 11.4 | 5.5 | 186 |
| 25-21-2 | 1 | 21 | 249.5 | 45.4 | 32.4 | 17.3 | 22.8 | 8.6 | 12.6 | 6 | 210 |
| 25-22-2 | 1 | 22 | 249.5 | 45.4 | 32.4 | 17.3 | 22.8 | 8.6 | 12.2 | 6 | 202 |
| 25-23-2 | 1 | 23 | 270 | 49.7 | 36.1 | 20.3 | 25 | 9.2 | 13.6 | 6.4 | 281 |
| 25-24-2 | 1 | 24 | 270 | 49.7 | 36.1 | 20.3 | 25 | 9.2 | 13.6 | 6.4 | 276 |
| 25-25-2 | 1 | 25 | 289.5 | 53.4 | 39.6 | 22.5 | 27.6 | 9.6 | 14.2 | 6.8 | 346 |
| 25-26-2 | 1 | 26 | 289.5 | 53.4 | 39.6 | 22.5 | 27.6 | 9.6 | 14.2 | 6.8 | 345 |
| 25-27-2 | 1 | 27 | 310 | 58.4 | 41.6 | 23.3 | 29.5 | 10.0 | 14.6 | 7.2 | 382 |
| 25-28-2 | 1 | 28 | 310 | 58.4 | 41.6 | 23.3 | 29.5 | 10.0 | 14.6 | 7.2 | 402 |
| 25-29-2 | 1 | 29 | 330 | 60.4 | 45.6 | 23.3 | 32.1 | 10.6 | 15.6 | 7.6 | 476 |
| 25-30-2 | 1 | 30 | 330 | 60.4 | 45.6 | 23.3 | 32.1 | 10.6 | 15.6 | 7.6 | 468 |
| 25-32-2 | 1 | 32 | 349 | 67.4 | 48.8 | 25.3 | 35.6 | 11.2 | 17.8 | 8 | 567 |
| 25-34-2 | 1 | 34 | 350 | 67.4 | 48.8 | 25.3 | 35.6 | 11.2 | 17.8 | 8 | 541 |
| 25-36-2 | 1 | 36 | 401 | 74 | 54 | 31 | 62 | 10.4 | 17 | 8 | 787 |
| 25-41-2 | 1 | 41 | 436 | 82 | 61 | 34 | 70 | 12 | 19.5 | 8 | 1.070 |
| 25-46-2 | 1 | 46 | 556 | 92 | 66 | 33.6 | 79.8 | 15 | 23 | 11 | 1.750 |
| 25-50-2 | 1 | 50 | 602 | 100 | 73 | 36.6 | 86.7 | 17 | 26 | 12 | 2.200 |
| 25-55-2 | 1 | 55 | 612 | 113 | 84 | 42 | 94 | 18 | 28 | 14.5 | 3.070 |
| 25-60-2 | 1 | 60 | 660 | 125 | 90 | 47 | 100 | 20 | 30 | 16 | 3.500 |
| 25-65-2 | 1 | 65 | 710 | 132 | 98 | 52 | 110 | 21 | 34 | 18 | 4.750 |
| 25-70-2 | 1 | 70 | 760 | 140 | 102 | 52 | 110 | 22 | 35 | 18 | 5.550 |
| 25-75-2 | 1 | 75 | 810 | 150 | 108 | 55 | 120 | 25 | 38 | 19 | 6.800 |
| 25-80-2 | 1 | 80 | 820 | 179 | 131 | 60 | 120 | 30 | 38 | 20 | 10.000 |
| 25-85-2 | 1 | 85 | 820 | 179 | 131 | 60 | 120 | 30 | 38 | 20 | 10.000 |
| 25-90-2 | 1 | 90 | 790 | 179 | 131 | 60 | 120 | 30 | 38 | 20 | 10.000 |
| 25-95-2 | 1 | 95 | 860 | 187 | 145 | 62 | 120 | 32 | 43 | 20 | 12.000 |
| 25-100-2 | 1 | 100 | 860 | 187 | 145 | 62 | 120 | 32 | 43 | 20 | 12.000 |



COMBINATION WRENCHES

COMBINATION WRENCHES IN INCHES



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738
- -1 Retail packaging
- -2 Industrial packaging

| IRIMO | Box | S mm | L mm | B1 mm | B2 mm | F mm | E mm | E1 mm | E2 mm | G mm | g |
|----------|-----|----------|-------|-------|-------|------|------|-------|-------|------|-------|
| 25A-08-1 | 1 | 1/4" | 103 | 15.9 | 10.6 | 6.6 | 7.9 | 3.7 | 5.2 | 3 | 15 |
| 25A-10-1 | 1 | 5/16" | 119 | 19 | 13.6 | 7.2 | 9.9 | 4 | 6 | 3.3 | 21 |
| 25A-12-1 | 1 | 3/8" | 124 | 21.2 | 15.1 | 8.3 | 10.4 | 4 | 6.8 | 3.4 | 26 |
| 25A-14-1 | 1 | 7/16" | 143 | 26 | 17.1 | 9.5 | 12.6 | 4.8 | 7.5 | 3.6 | 39 |
| 25A-16-1 | 1 | 1/2" | 164 | 30 | 20.2 | 11.9 | 14.6 | 5.2 | 8.3 | 4.2 | 63 |
| 25A-18-1 | 1 | 9/16" | 174 | 30 | 21.2 | 11.8 | 15.8 | 5.8 | 8.9 | 4.6 | 68 |
| 25A-20-1 | 1 | 5/8" | 194 | 35.3 | 23.8 | 13.6 | 17.6 | 6.3 | 9.5 | 5 | 107 |
| 25A-22-1 | 1 | 11/16" | 214 | 39.4 | 26.8 | 14.8 | 20.5 | 6.7 | 10.5 | 5.2 | 137 |
| 25A-24-1 | 1 | 3/4" | 228 | 41.6 | 28.3 | 16.2 | 21.1 | 7 | 11.2 | 5.2 | 163 |
| 25A-26-1 | 1 | 13/16" | 249.5 | 45.4 | 32.4 | 17.3 | 22.8 | 8.6 | 12.6 | 6 | 210 |
| 25A-28-1 | 1 | 7/8" | 249.5 | 45.4 | 32.4 | 17.3 | 22.8 | 8.6 | 12.6 | 6 | 210 |
| 25A-30-1 | 1 | 15/16" | 270 | 49.7 | 36.1 | 20.3 | 25 | 9.2 | 13.6 | 6.4 | 281 |
| 25A-32-1 | 1 | 1" | 289.5 | 53.4 | 39.6 | 22.5 | 27.6 | 9.6 | 14.2 | 6.8 | 346 |
| 25A-34-1 | 1 | 1.1/16" | 310 | 58.4 | 41.6 | 23.3 | 29.5 | 10 | 14.6 | 7.2 | 382 |
| 25A-36-1 | 1 | 1.1/8" | 330 | 60.4 | 45.6 | 23.3 | 32.1 | 10.6 | 15.6 | 7.6 | 476 |
| 25A-40-1 | 1 | 1.1/4" | 349 | 67.4 | 48.8 | 25.3 | 35.6 | 11.2 | 17.8 | 8 | 567 |
| 25A-44-1 | 1 | 1.3/8" | 350 | 67.4 | 48.8 | 25.3 | 35.6 | 11.2 | 17.8 | 8 | 541 |
| 25A-46-1 | 1 | 1.7/16" | 401 | 74 | 54 | 31 | 62 | 10.4 | 17 | 8 | 787 |
| 25A-48-1 | 1 | 1.1/2" | 401 | 74 | 54 | 31 | 62 | 10.4 | 17 | 8 | 787 |
| 25A-52-1 | 1 | 1.5/8" | 435 | 80 | 61 | 34 | 70 | 11.5 | 19.5 | 8 | 1.050 |
| 25A-58-1 | 1 | 1.13/16" | 555 | 91 | 66 | 34 | 79.8 | 15 | 23 | 11 | 1.850 |
| 25A-64-1 | 1 | 2" | 602 | 100 | 73 | 36.6 | 86.7 | 17 | 26 | 12 | 2.215 |
| 25A-08-2 | 1 | 1/4" | 103 | 15.9 | 10.6 | 6.6 | 7.9 | 3.7 | 5.2 | 3 | 15 |
| 25A-10-2 | 1 | 5/16" | 119 | 19 | 13.6 | 7.2 | 9.9 | 4 | 6 | 3.3 | 21 |
| 25A-12-2 | 1 | 3/8" | 124 | 21.2 | 15.1 | 8.3 | 10.4 | 4 | 6.8 | 3.4 | 26 |
| 25A-14-2 | 1 | 7/16" | 143 | 26 | 17.1 | 9.5 | 12.6 | 4.8 | 7.5 | 3.6 | 39 |
| 25A-16-2 | 1 | 1/2" | 164 | 30 | 20.2 | 11.9 | 14.6 | 5.2 | 8.3 | 4.2 | 63 |
| 25A-18-2 | 1 | 9/16" | 174 | 30 | 21.2 | 11.8 | 15.8 | 5.8 | 8.9 | 4.6 | 68 |
| 25A-20-2 | 1 | 5/8" | 194 | 35.3 | 23.8 | 13.6 | 17.6 | 6.3 | 9.5 | 5 | 107 |
| 25A-22-2 | 1 | 11/16" | 214 | 39.4 | 26.8 | 14.8 | 20.5 | 6.7 | 10.5 | 5.2 | 137 |
| 25A-24-2 | 1 | 3/4" | 228 | 41.6 | 28.3 | 16.2 | 21.1 | 7 | 11.2 | 5.2 | 163 |
| 25A-26-2 | 1 | 13/16" | 249.5 | 45.4 | 32.4 | 17.3 | 22.8 | 8.6 | 12.6 | 6 | 210 |
| 25A-28-2 | 1 | 7/8" | 249.5 | 45.4 | 32.4 | 17.3 | 22.8 | 8.6 | 12.6 | 6 | 210 |
| 25A-30-2 | 1 | 15/16" | 270 | 49.7 | 36.1 | 20.3 | 25 | 9.2 | 13.6 | 6.4 | 281 |
| 25A-32-2 | 1 | 1" | 289.5 | 53.4 | 39.6 | 22.5 | 27.6 | 9.6 | 14.2 | 6.8 | 346 |

COMBINATION WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738

| IRIMO | Box | Box | Box | g |
|------------------------------------------------------------------------|-----|-----|----------------|-----|
| 25-8-H | 1 | 8 | 250 x 120 x 50 | 875 |
| 25-08-1, 25-10-1, 25-11-1, 25-13-1, 25-14-1, 25-17-1, 25-19-1, 25-22-1 | | | | |

COMBINATION WRENCH SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738

| IRIMO | Box | Box | Box | g |
|------------------------------------------------------------------------------------------------------------|-----|-----|---------------|-------|
| 25-12-H | 1 | 12 | 350 x 50 x 70 | 2.975 |
| 25-10-1, 25-11-1, 25-12-1, 25-13-1, 25-14-1, 25-17-1, 25-19-1, 25-22-1, 25-24-1, 25-27-1, 25-30-1, 25-32-1 | | | | |



COMBINATION WRENCH SET



- High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-50 HRC
- Standards: DIN 3113, ISO 1711-1, ISO 3318, ISO 691, ISO 7738

| E | Icon | Icon | Icon | Icon |
|---------|------|------|-----------------|-------|
| 25-12-W | 1 | 12 | 400 x 140 x 100 | 2.975 |

| | |
|------------------------------------------------------------------------------------------------------------|--|
| 25-10-1, 25-11-1, 25-12-1, 25-13-1, 25-14-1, 25-17-1, 25-19-1, 25-22-1, 25-24-1, 25-27-1, 25-30-1, 25-32-1 | |
|------------------------------------------------------------------------------------------------------------|--|

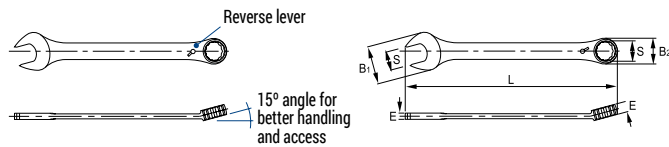


RATCHETING COMBINATION WRENCHES

RATCHETING COMBINATION WRENCH

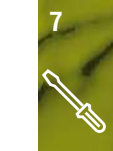
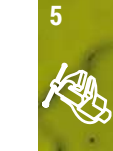


- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC



Strong ratchet exceeds ISO plus endurance

| E | Icon | S mm | B1 mm | B2 mm | E mm | L mm | g |
|---------|------|------|-------|-------|------|------|-----|
| 18-06-1 | 1 | 6 | 15 | 14.3 | 4 | 128 | 27 |
| 18-07-1 | 1 | 7 | 16.4 | 16.8 | 4.4 | 138 | 35 |
| 18-08-1 | 1 | 8 | 18 | 18.3 | 4.8 | 140 | 38 |
| 18-09-1 | 1 | 9 | 20 | 20 | 4.8 | 150 | 48 |
| 18-10-1 | 1 | 10 | 22 | 21.5 | 5.1 | 160 | 57 |
| 18-11-1 | 1 | 11 | 24.5 | 23.5 | 5.5 | 165 | 67 |
| 18-12-1 | 1 | 12 | 26 | 25 | 5.9 | 170 | 82 |
| 18-13-1 | 1 | 13 | 28 | 26.4 | 6.4 | 180 | 95 |
| 18-14-1 | 1 | 14 | 30.8 | 28 | 6.7 | 190 | 113 |
| 18-15-1 | 1 | 15 | 33 | 30 | 7.3 | 200 | 130 |
| 18-16-1 | 1 | 16 | 24.5 | 31 | 7.8 | 210 | 158 |
| 18-17-1 | 1 | 17 | 37 | 33 | 8 | 225 | 180 |
| 18-18-1 | 1 | 18 | 39.5 | 35 | 8.2 | 235 | 213 |
| 18-19-1 | 1 | 19 | 40.8 | 36 | 8.4 | 245 | 233 |
| 18-21-1 | 1 | 21 | 44.8 | 42 | 9 | 290 | 343 |
| 18-22-1 | 1 | 22 | 44.8 | 42 | 9 | 290 | 345 |
| 18-24-1 | 1 | 24 | 52.8 | 48 | 9.7 | 332 | 503 |
| 18-27-1 | 1 | 27 | 56 | 53 | 10.8 | 359 | 550 |
| 18-30-1 | 1 | 30 | 62 | 58 | 11.2 | 404 | 750 |
| 18-32-1 | 1 | 32 | 65 | 62 | 12 | 424 | 900 |



RATCHETING COMBINATION WRENCH SET



- Ratcheting combination wrench set
- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC

| E | Icon | Icon | Icon | Icon |
|--------|------|------|----------------|------|
| 18-8-H | 1 | 8 | 45 x 245 x 130 | 870 |

| | |
|------------------------------------------------------------------------|--|
| 18-08-1, 18-10-1, 18-11-1, 18-12-1, 18-13-1, 18-14-1, 18-17-1, 18-19-1 | |
|------------------------------------------------------------------------|--|



RATCHETING COMBINATION WRENCHES

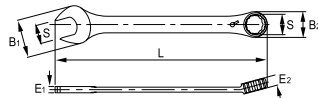
RATCHETING COMBINATION WRENCH SET



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC

| Part No. | Box | Case | Dimensions | Weight |
|------------------------------------------------------------------------------------------------------------|-----|------|----------------|--------|
| 18-12-H | 1 | 12 | 180 x 35 x 250 | 1.510 |
| 18-08-1, 18-09-1, 18-10-1, 18-11-1, 18-12-1, 18-13-1, 18-14-1, 18-15-1, 18-16-1, 18-17-1, 18-18-1, 18-19-1 | | | | |

STUBBY RATCHETING COMBINATION WRENCHES



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC
- -1 retail packaging

| Part No. | Box | S mm | B1 mm | B2 mm | E1 mm | E2 mm | L mm | Weight |
|----------|-----|------|-------|-------|-------|-------|------|--------|
| 18S-08-1 | 1 | 8 | 18 | 18.3 | 5.3 | 7.2 | 90 | 30 |
| 18S-10-1 | 1 | 10 | 22 | 22 | 6.0 | 7.8 | 96 | 48 |
| 18S-13-1 | 1 | 13 | 28 | 28 | 6.8 | 9.1 | 108 | 72 |
| 18S-17-1 | 1 | 17 | 37 | 37 | 8.1 | 10.5 | 128 | 125 |
| 18S-19-1 | 1 | 19 | 40.8 | 40.8 | 8.5 | 11.2 | 138 | 163 |

STUBBY RATCHETING COMBINATION WRENCH SET



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC

| Part No. | Box | Case | Dimensions | Weight |
|----------|-----|------|------------------|--------|
| 18S-5-H | 5 | 5 | 8-10-13-17-19 mm | 462 |

RATCHETING DOUBLE RING WRENCH SET



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC

| Part No. | Box | Case | Dimensions | Weight |
|----------|-----|------|------------------------------------|--------|
| 18D-5-H | 5 | 5 | 8x9, 10x11, 12x13, 16x17, 18x19 mm | 664 |



FLEX HEAD RATCHETING COMBINATION WRENCHES



- Material: High performance alloy steel
- Finish: Chrome-plated
- Hardness: 40-50 HRc

| Q | Icon | S mm | B1 mm | B2 mm | E1 mm | E2 mm | L mm | g |
|---------|------|------|-------|-------|-------|-------|------|-----|
| 19-08-1 | 1 | 8 | 18.3 | 18 | 7.2 | 4.8 | 140 | 35 |
| 19-10-1 | 1 | 10 | 21.5 | 22 | 7.8 | 5.1 | 160 | 55 |
| 19-11-1 | 1 | 11 | 23.5 | 24.5 | 8.4 | 5.5 | 165 | 63 |
| 19-12-1 | 1 | 12 | 25 | 26 | 8.8 | 5.9 | 170 | 83 |
| 19-13-1 | 1 | 13 | 26.4 | 28 | 9.1 | 6.4 | 180 | 93 |
| 19-14-1 | 1 | 14 | 28 | 30.8 | 9.4 | 6.7 | 190 | 113 |
| 19-17-1 | 1 | 17 | 33 | 37 | 10.5 | 8 | 225 | 173 |
| 19-19-1 | 1 | 19 | 36.5 | 40.8 | 11.2 | 8.4 | 245 | 233 |



FLEX HEAD RATCHETING COMBINATION WRENCH SET



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRc

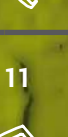
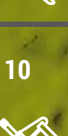
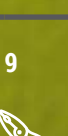
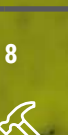
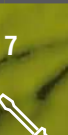
| Q | Icon | Icon | Icon | g |
|------------------------------------------------------------------------|------|------|----------------|-----|
| 19-8-H | 1 | 8 | 45 x 240 x 140 | 850 |
| 19-08-1, 19-10-1, 19-11-1, 19-12-1, 19-13-1, 19-14-1, 19-17-1, 19-19-1 | | | | |

FLEX HEAD RATCHETING COMBINATION WRENCH SET



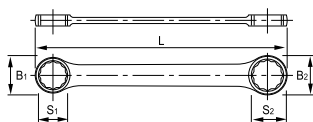
- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRc

| Q | Icon | Icon | Icon | g |
|------------------------------------------------------------------------------------------------------------|------|------|----------------|-------|
| 19-12-H | 1 | 12 | 35 x 180 x 250 | 1.724 |
| 19-08-1, 19-09-1, 19-10-1, 19-11-1, 19-12-1, 19-13-1, 19-14-1, 19-15-1, 19-16-1, 19-17-1, 19-18-1, 19-19-1 | | | | |



FLAT RING WRENCHES

DOUBLE RING END WRENCHES



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRC
- Standards: DIN 837, ISO 10103, ISO 1085

| Q | Icon | S1 x S2 mm | B1 mm | B2 mm | E mm | L mm | g |
|--------|------|---------------|----------|----------|---------|---------|-----|
| 020011 | 1 | 6x7 | 9.8 | 11 | 4.5 | 95 | 14 |
| 020031 | 1 | 8x9 | 12.5 | 14 | 5.5 | 110 | 22 |
| 020051 | 1 | 10x11 | 15 | 16.5 | 6 | 125 | 32 |
| 020071 | 1 | 12x13 | 18.5 | 20 | 6.5 | 140 | 46 |
| 020091 | 1 | 14x15 | 21 | 22.5 | 7 | 155 | 57 |
| 020121 | 1 | 16x17 | 24 | 25 | 7.5 | 170 | 73 |
| 020141 | 1 | 18x19 | 26.5 | 27.5 | 8 | 185 | 94 |
| 020171 | 1 | 20x22 | 29 | 32 | 9 | 205 | 125 |
| 020181 | 1 | 21x23 | 30 | 33 | 9.5 | 225 | 154 |
| 020201 | 1 | 24x26 | 35 | 37.8 | 11 | 250 | 210 |
| 020211 | 1 | 24x27 | 35 | 37.5 | 11 | 250 | 208 |
| 020221 | 1 | 25x28 | 37.5 | 41 | 11 | 275 | 280 |
| 020241 | 1 | 27x29 | 37.5 | 41 | 11 | 275 | 272 |
| 020251 | 1 | 30x32 | 43 | 45.5 | 12 | 300 | 367 |

DOUBLE RING END WRENCHES SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRC
- Standards: DIN 837, ISO 10103, ISO 1085

| Q | Icon | Icon | Icon | g |
|--------|------|------|-----------------------------------------------------------------------------------|-------|
| 021221 | 1 | 8 | 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm | 500 |
| 021251 | 1 | 12 | 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32 mm | 1.550 |



OFFSET RING WRENCHES

DOUBLE OFFSET RING WRENCHES



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRC
- Standards: ISO 10104 and DIN 838
- -1 Retail packaging
- -2 Industrial packaging

| E | | S1 x S2 mm | B1 mm | B2 mm | E1 mm | E2 mm | H mm | L mm | g |
|-----------|---|---------------|----------|----------|----------|----------|---------|---------|-------|
| 15-0607-1 | 1 | 6x7 | 10.8 | 12.5 | 4.9 | 5.6 | 20 | 170 | 45 |
| 15-0809-1 | 1 | 8x9 | 13.4 | 15.3 | 6.0 | 6.8 | 21 | 182 | 70 |
| 15-1011-1 | 1 | 10x11 | 16.0 | 17.8 | 7.4 | 7.9 | 23 | 197 | 90 |
| 15-1213-1 | 1 | 12x13 | 18.8 | 20.2 | 8.4 | 8.9 | 25 | 213 | 126 |
| 15-1415-1 | 1 | 14x15 | 20.8 | 22.5 | 9.4 | 9.9 | 26 | 228 | 155 |
| 15-1617-1 | 1 | 16x17 | 24.2 | 25.7 | 10.4 | 10.9 | 29 | 246 | 193 |
| 15-1719-1 | 1 | 17x19 | 27.6 | 28.7 | 11.4 | 11.9 | 31 | 265 | 243 |
| 15-1819-1 | 1 | 18x19 | 27.6 | 28.7 | 11.4 | 11.9 | 31 | 265 | 241 |
| 15-2022-1 | 1 | 20x22 | 29.7 | 32.5 | 12.4 | 12.9 | 33 | 288 | 315 |
| 15-2123-1 | 1 | 21x23 | 31.0 | 33.2 | 12.3 | 13.3 | 33 | 310 | 341 |
| 15-2426-1 | 1 | 24x26 | 34.8 | 39.2 | 13.7 | 14.3 | 34 | 330 | 478 |
| 15-2427-1 | 1 | 24x27 | 34.8 | 39.2 | 13.7 | 14.3 | 34 | 330 | 475 |
| 15-2528-1 | 1 | 25x28 | 36.6 | 40.5 | 14.2 | 14.7 | 35 | 348 | 548 |
| 15-2729-1 | 1 | 27x29 | 42.0 | 45.2 | 15.0 | 16.0 | 37 | 372 | 662 |
| 15-3032-1 | 1 | 30x32 | 42.2 | 45.5 | 14.8 | 15.8 | 37 | 372 | 635 |
| 15-3236-2 | 1 | 32x36 | 48.5 | 54.0 | 16.5 | 17.8 | 41 | 417 | 962 |
| 15-3641-2 | 1 | 36x41 | 53.5 | 62.0 | 17.3 | 19.2 | 48 | 450 | 1.037 |

DOUBLE OFFSET RING WRENCHES SET



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRC
- Standards: ISO 10104 and DIN 838

| E | | | | g |
|--------|---|---|-------------------------------------------------------|-------|
| 15-8-H | 1 | 8 | 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm | 1.245 |

DOUBLE OFFSET RING WRENCHES SET

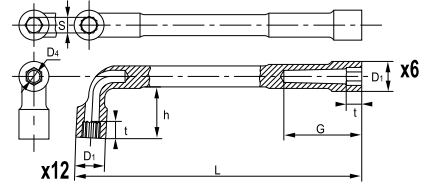
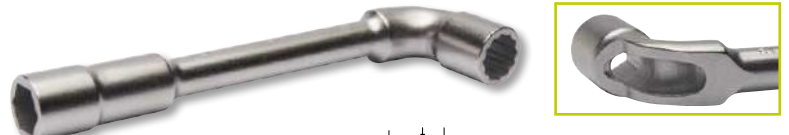


- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 42-48 HRC
- Standards: ISO 10104 and DIN 838

| E | | | | g |
|---------|---|----|-----------------------------------------------------------------------------------|-------|
| 15-8-W | 1 | 8 | 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm | 1.350 |
| 15-12-W | 1 | 12 | 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32 mm | 3.465 |

L-PIPE DOUBLE SOCKET WRENCHES

L-PIPE DOUBLE SOCKET WRENCHES



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC
- Standards: ISO 1711, ISO 691, ISO 2236

| 6x12 | | 6x6 | | S | P | D1 mm | D4 mm | G mm | h mm | t mm | L mm | g |
|---------|---------|-----|---|------|------|----------|----------|---------|---------|---------|---------|---|
| E | R | E | R | | | | | | | | | |
| 51-06-1 | 52-06-1 | 6 | 1 | 10 | 4.5 | 21.0 | 17 | 6.0 | 102 | 30 | | |
| 51-07-1 | 52-07-1 | 7 | 1 | 11 | 4.5 | 22.0 | 17.5 | 7.0 | 106 | 40 | | |
| 51-08-1 | 52-08-1 | 8 | 1 | 12.5 | 7.0 | 25.0 | 19.5 | 8.0 | 114 | 60 | | |
| 51-09-1 | 52-09-1 | 9 | 1 | 13.5 | 7.0 | 26.0 | 20.0 | 9.0 | 122 | 70 | | |
| 51-10-1 | 52-10-1 | 10 | 1 | 15.0 | 8.0 | 28.0 | 24.0 | 10.0 | 129 | 90 | | |
| 51-11-1 | 52-11-1 | 11 | 1 | 16.5 | 8.0 | 30.0 | 26.5 | 11.0 | 136 | 120 | | |
| 51-12-1 | 52-12-1 | 12 | 1 | 18.0 | 9.0 | 36.0 | 28.0 | 11.0 | 144 | 150 | | |
| 51-13-1 | 52-13-1 | 13 | 1 | 19.5 | 9.0 | 38.6 | 30.0 | 12.0 | 152 | 160 | | |
| 51-14-1 | 52-14-1 | 14 | 1 | 21.0 | 10.5 | 40.0 | 31.5 | 13.0 | 160 | 190 | | |
| 51-15-1 | 52-15-1 | 15 | 1 | 22.5 | 10.5 | 42.0 | 34.0 | 14.0 | 169 | 200 | | |
| 51-16-1 | 52-16-1 | 16 | 1 | 24.0 | 13.0 | 46.0 | 37.0 | 16.0 | 178 | 280 | | |
| 51-17-1 | 52-17-1 | 17 | 1 | 25.5 | 13.0 | 48.0 | 39.0 | 17.0 | 187 | 300 | | |
| 51-18-1 | 52-18-1 | 18 | 1 | 26.5 | 13.0 | 50.0 | 40.0 | 18.0 | 195 | 310 | | |
| 51-19-1 | 52-19-1 | 19 | 1 | 28.5 | 15.0 | 51.0 | 41.0 | 19.0 | 204 | 420 | | |
| 51-20-1 | 52-20-1 | 20 | 1 | 29.5 | 15.0 | 53.0 | 43.0 | 20.0 | 212 | 450 | | |
| 51-21-1 | 52-21-1 | 21 | 1 | 30.5 | 15.0 | 55.0 | 46.0 | 21.0 | 221 | 470 | | |
| 51-22-1 | 52-22-1 | 22 | 1 | 32.0 | 15.0 | 57.0 | 48.0 | 22.0 | 230 | 530 | | |
| 51-23-1 | 52-23-1 | 23 | 1 | 33.5 | 18.0 | 64.0 | 50.5 | 23.0 | 240 | 650 | | |
| 51-24-1 | 52-24-1 | 24 | 1 | 34.5 | 18.0 | 67.0 | 54.0 | 24.0 | 250 | 630 | | |
| 51-25-1 | 52-25-1 | 25 | 1 | 36.0 | 20.0 | 69.0 | 56.0 | 25.0 | 260 | 830 | | |
| 51-26-1 | 52-26-1 | 26 | 1 | 37.0 | 20.0 | 70.0 | 58.5 | 26.0 | 270 | 860 | | |
| 51-27-1 | 52-27-1 | 27 | 1 | 38.0 | 22.0 | 73.0 | 58.0 | 27.0 | 280 | 990 | | |
| 51-28-1 | 52-28-1 | 28 | 1 | 39.5 | 22.0 | 75.0 | 60.0 | 28.0 | 290 | 1.000 | | |
| 51-29-1 | 52-29-1 | 29 | 1 | 41.0 | 22.0 | 76.0 | 62.0 | 29.0 | 300 | 1.080 | | |
| 51-30-1 | 52-30-1 | 30 | 1 | 42.0 | 24.0 | 83.0 | 64.0 | 30.0 | 310 | 1.220 | | |
| 51-32-1 | 52-32-1 | 32 | 1 | 44.5 | 24.0 | 88.0 | 70.0 | 31.0 | 330 | 1.380 | | |

L-PIPE DOUBLE SOCKET WRENCHES SET



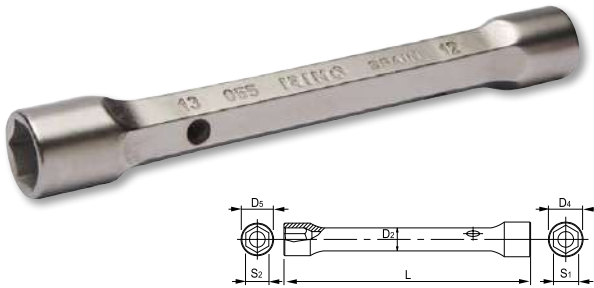
- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40-50 HRC
- Standards: ISO 1711, ISO 691, ISO 2236

| E | R | S | P | D | g |
|--------|--------|---|---|----------------------------------|-------|
| 6x12 | 6x6 | 8 | 1 | 8, 10, 11, 13, 14, 17, 19, 22 mm | 1.980 |
| 51-8-W | 52-8-W | 8 | 1 | 8, 10, 11, 13, 14, 17, 19, 22 mm | 1.980 |



TUBULAR SOLID WRENCHES

DOUBLE HEAD SOCKET WRENCHES



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- From 16 onwards, with hole to locate the stud
- Hardness: 42-48 HRC
- Standards: UNE 16586

| IRIMO | Box | S1x S2 mm | D4 mm | D5 mm | D2 mm | L mm | g |
|--------|-----|-----------|-------|-------|-------|------|-----|
| 055011 | 10 | 6x7 | 10 | 11 | 7 | 103 | 31 |
| 055031 | 10 | 8x9 | 12.5 | 13.5 | 9 | 108 | 53 |
| 055051 | 10 | 10x11 | 15 | 16 | 11 | 120 | 78 |
| 055071 | 10 | 12x13 | 17 | 19 | 13 | 138 | 127 |
| 055091 | 10 | 14x15 | 20 | 21 | 14 | 143 | 152 |
| 055121 | 10 | 16x17 | 22 | 24 | 16 | 153 | 185 |
| 055141 | 10 | 18x19 | 25 | 26 | 18 | 163 | 235 |
| 055171 | 10 | 20x22 | 28 | 30 | 20 | 173 | 312 |
| 055181 | 5 | 21x23 | 29 | 31 | 21 | 183 | 359 |
| 055201 | 5 | 24x26 | 33 | 35 | 24 | 193 | 438 |
| 055211 | 5 | 24x27 | 33 | 37 | 24 | 193 | 466 |
| 055221 | 5 | 25x28 | 34 | 37 | 25 | 203 | 535 |
| 055241 | 5 | 27x29 | 37 | 39 | 27 | 208 | 592 |
| 055251 | 5 | 30x32 | 40 | 43 | 30 | 208 | 737 |

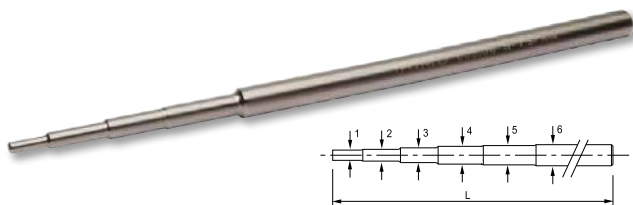
DOUBLE HEAD SOCKET WRENCHES SET



- Material: High performance alloy steel, CrV
- Finish: Chrome-plated matt finished
- From 16 onwards, with hole to locate the stud
- Hardness: 42-48 HRC
- Standards: UNE 16586

| IRIMO | Box | Case | Wrench | g |
|--------|-----|------|-----------------------------------------------------------------------------------|-------|
| 056231 | 1 | 8 | 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22 mm | 1.150 |
| 056271 | 1 | 12 | 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32 mm | 3.200 |

BAR HANDLE FOR SOCKET WRENCH



- Material: High performance alloy steel, CrV
- Hardness: 42-48 HRC
- Standards: DIN 900

| IRIMO | Box | 1 | 2 | 3 | 4 | 5 | 6 | L mm | g | |
|--------|-----|-----|-----|-----|------|------|-----|-------|-----|-----|
| 055301 | 1 | 3.1 | 4.3 | 5.3 | 5.8 | 8 | 6x7 | 14x15 | 175 | 54 |
| 055311 | 1 | 6.8 | 7.8 | 9.8 | 11.8 | 12.8 | 14 | 16x17 | 270 | 251 |



3



4



5



6



7



8



9



10



11

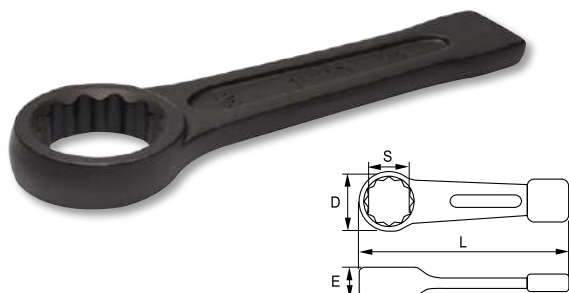


12



SLOGGING RING, OPEN END

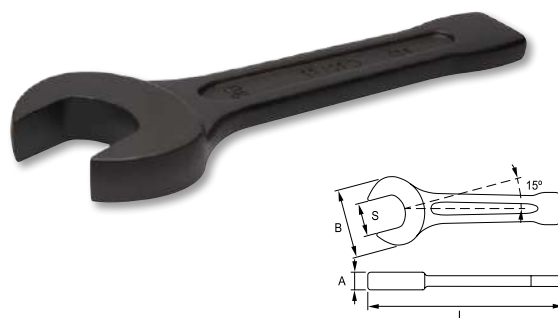
RING END SLOGGING WRENCHES



- Material: High performance alloy steel
- Hardness: 24-46 mm - 34-40 HRc and 50-100 mm - 30-36 HRc
- Standards: DIN 7444

| R | Box | S mm | D mm | E mm | L mm | g |
|----------|-----|------|------|------|------|-------|
| 30-24-2 | 1 | 24 | 43 | 15 | 165 | 235 |
| 30-27-2 | 1 | 27 | 46 | 16 | 180 | 290 |
| 30-30-2 | 1 | 30 | 53 | 18 | 195 | 435 |
| 30-32-2 | 1 | 32 | 53 | 18 | 195 | 415 |
| 30-34-2 | 1 | 34 | 59 | 18 | 205 | 510 |
| 30-36-2 | 1 | 36 | 59 | 18 | 205 | 510 |
| 30-38-2 | 1 | 38 | 59 | 18 | 205 | 510 |
| 30-41-2 | 1 | 41 | 65 | 20 | 230 | 710 |
| 30-46-2 | 1 | 46 | 74 | 22.5 | 240 | 980 |
| 30-50-2 | 1 | 50 | 79 | 24 | 255 | 1.050 |
| 30-55-2 | 1 | 55 | 86 | 25 | 270 | 1.410 |
| 30-60-2 | 1 | 60 | 93 | 26 | 280 | 1.640 |
| 30-65-2 | 1 | 65 | 103 | 29 | 300 | 2.180 |
| 30-70-2 | 1 | 70 | 109 | 33 | 315 | 2.400 |
| 30-75-2 | 1 | 75 | 114 | 34 | 330 | 2.775 |
| 30-80-2 | 1 | 80 | 125 | 36 | 348 | 3.150 |
| 30-85-2 | 1 | 85 | 129 | 37 | 360 | 4.860 |
| 30-90-2 | 1 | 90 | 148 | 40 | 379 | 5.680 |
| 30-95-2 | 1 | 95 | 151 | 41 | 395 | 6.500 |
| 30-100-2 | 1 | 100 | 154 | 45 | 405 | 7.830 |

OPEN END SLOGGING WRENCHES



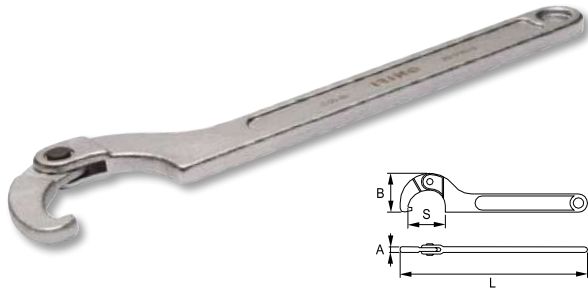
- Material: High performance alloy steel
- Hardness: 30-46 mm - 34-40 HRc and 50-85 mm - 30-36 HRc
- Standards: DIN 133

| R | Box | S mm | A mm | B mm | L mm | g |
|---------|-----|------|------|------|------|-------|
| 31-30-2 | 1 | 30 | 17 | 65 | 190 | 550 |
| 31-32-2 | 1 | 32 | 17 | 67 | 195 | 560 |
| 31-36-2 | 1 | 36 | 18 | 77 | 210 | 845 |
| 31-41-2 | 1 | 41 | 19 | 88 | 230 | 1.040 |
| 31-46-2 | 1 | 46 | 20 | 96 | 250 | 1.375 |
| 31-50-2 | 1 | 50 | 21 | 106 | 275 | 1.670 |
| 31-55-2 | 1 | 55 | 24 | 116 | 305 | 2.175 |
| 31-60-2 | 1 | 60 | 24 | 125 | 315 | 2.455 |
| 31-65-2 | 1 | 65 | 28 | 136 | 345 | 3.550 |
| 31-70-2 | 1 | 70 | 30 | 148 | 370 | 4.075 |
| 31-75-2 | 1 | 75 | 30 | 158 | 385 | 5.170 |
| 31-80-2 | 1 | 80 | 33 | 170 | 400 | 5.785 |
| 31-85-2 | 1 | 85 | 33 | 174 | 410 | 6.870 |



HOOK WRENCHES

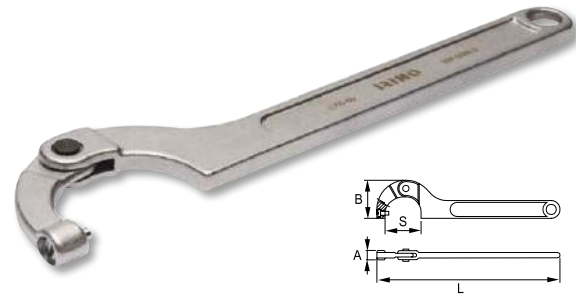
HOOK WRENCH



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40 HRc
- Standards: DIN 137-B

| Q | Icon | S mm | A mm | B mm | L mm | g |
|------------|------|--------|------|------|------|-----|
| 29-3550-2 | 1 | 35-50 | 6 | 38 | 202 | 186 |
| 29-5080-2 | 1 | 50-80 | 8 | 55 | 280 | 382 |
| 29-80120-2 | 1 | 80-120 | 9 | 75 | 345 | 642 |

HOOK WRENCH WITH INTERCHANGEABLE PIN



- Material: High performance alloy steel
- Finish: Chrome-plated matt finished
- Hardness: 40 HRc
- Standards: DIN 137-B

| Q | Icon | S mm | A mm | B mm | L mm | g |
|-------------|------|--------|------|------|------|-----|
| 29P-3550-2 | 1 | 35-50 | 11 | 38 | 202 | 186 |
| 29P-5080-2 | 1 | 50-80 | 14 | 55 | 280 | 382 |
| 29P-80120-2 | 1 | 80-120 | 18 | 75 | 345 | 642 |

SPARE PART - INTERCHANGEABLE PIN



- Material: High performance alloy steel

| Q | Icon | Wrench Part | D mm | g |
|-------------|------|-------------|------|----|
| 29P-3550-A | 1 | 29P-3550-2 | 4 | 5 |
| 29P-5080-A | 1 | 29P-5080-2 | 5 | 9 |
| 29P-80120-A | 1 | 29P-80120-2 | 6 | 19 |

MULTIFITTING KEY

7 IN 1 UNIVERSAL KEY



- Universal key for all common locks
- 1 wrench for 7 different applications
- With radiator aerating key in the central hub
- For electricity, heating, ventilation and air-conditioning systems as well as building construction applications
- Made from zinc die casting, with chain, adaptor and bit (1,2x7 mm & PH2)
- Plastic blister retail packaging

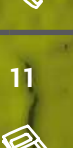
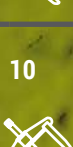
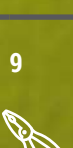
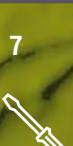
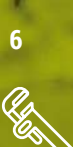
| Q | Icon | 1 | 1.2 | PH-2 | 3-5 | 9 | 3-5 | 72x72 | 89 |
|----------|------|-----|------|------|-----|-----|-------|-------|----|
| 71-UN7-1 | 1 | 1.2 | PH-2 | 3-5 | 9 | 3-5 | 72x72 | 89 | |

9 IN 1 UNIVERSAL KEY



- Universal key for all common locks
- 1 wrench for 9 different applications
- For electricity, heating, ventilation and air-conditioning systems as well as building construction applications
- Made from zinc die casting, with chain, adaptor and bit (1,2x7 mm & PH2)
- Plastic blister retail packaging

| Q | Icon | 1 | 1.2 | PH-2 | 5-7-8 | 9-10 | 9-10 | 90x62 | 87 |
|----------|------|-----|------|-------|-------|------|-------|-------|----|
| 71-UN9-1 | 1 | 1.2 | PH-2 | 5-7-8 | 9-10 | 9-10 | 90x62 | 87 | |



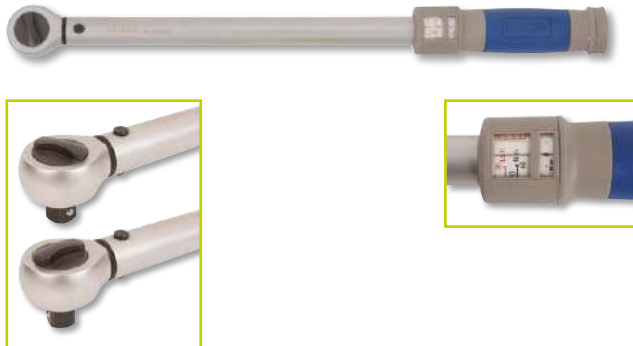




03. TORQUE TOOLS

TORQUE WRENCHES

ADJUSTABLE CLICK WRENCH WITH FIXED RATCHET HEADS



- Adjustable mechanical clock torque wrench
- Precision: $\pm 4\%$ clockwise
- Fixed ratchet head
- Reversible ratchet with 45 teeth / 8° angle action
- Plastic handle for higher comfort
- Standard: ISO 6789

| Part No. | Box | Head Size | N-m | Δ N-m | L mm | kg |
|----------|-----|-----------|----------|--------------|-------|-----|
| 070411 | 1 | 1/4" | 4-20 | 0.050 | 275 | 0.5 |
| 070421 | 1 | 3/8" | 10-60 | 0.125 | 360 | 0.8 |
| 070431 | 1 | 1/2" | 25-125 | 0.25 | 420 | 0.9 |
| 070441 | 1 | 1/2" | 40-200 | 0.5 | 460 | 1.0 |
| 070451 | 1 | 1/2" | 65-335 | 0.5 | 520 | 1.2 |
| 070461 | 1 | 3/4" | 65-335 | 0.5 | 520 | 1.2 |
| 070471 | 1 | 3/4" | 150-800 | 2 | 1.040 | 4.9 |
| 070481 | 1 | 1" | 300-1500 | 3 | 1.250 | 8.2 |

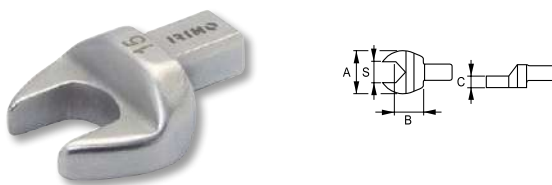
ADJUSTABLE CLICK WRENCH WITH INTERCHANGEABLE HEADS



- Adjustable mechanical click torque wrenches
- Precision: $\pm 4\%$
- 9x12 and 14x18 interchangeable heads
- Plastic handle for higher comfort
- Standard: ISO 6789

| Part No. | Box | Head Size | N-m | Δ N-m | L mm | kg |
|----------|-----|-----------|--------|--------------|------|-----|
| 7309-30 | 1 | 9x12 | 6-30 | 0.050 | 298 | 0.6 |
| 7309-60 | 1 | 9x12 | 10-60 | 0.125 | 367 | 0.7 |
| 7309-125 | 1 | 9x12 | 25-125 | 0.25 | 422 | 0.8 |
| 7314-200 | 1 | 14x18 | 40-200 | 0.5 | 455 | 0.9 |
| 7314-335 | 1 | 14x18 | 65-335 | 0.5 | 515 | 1.1 |

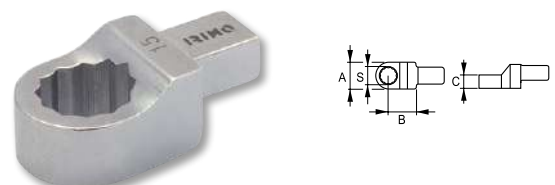
9x12 MM OPEN END INSERTS



- Open-end insert heads, 9x12 mm
- High performance alloy steel
- Forged chrome-plated

| Part No. | Box | S mm | A mm | B mm | C mm | g |
|-----------|-----|------|------|------|------|----|
| 7309-1-10 | 1 | 10 | 25 | 17.5 | 5.7 | 40 |
| 7309-1-11 | 1 | 11 | 26 | 17.5 | 5.7 | 40 |
| 7309-1-12 | 1 | 12 | 28 | 17.5 | 5.7 | 45 |
| 7309-1-13 | 1 | 13 | 29 | 17.5 | 5.7 | 45 |
| 7309-1-14 | 1 | 14 | 32 | 20.0 | 7.7 | 50 |
| 7309-1-17 | 1 | 17 | 38 | 20.0 | 7.7 | 60 |
| 7309-1-19 | 1 | 19 | 42 | 20.0 | 7.7 | 70 |

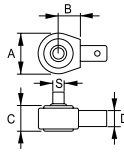
9x12 MM RING END INSERTS



- Ring-end insert head, 9x12 mm
- High performance alloy steel
- Forged chrome-plated

| Part No. | Box | S mm | A mm | B mm | C mm | g |
|-----------|-----|------|------|------|------|----|
| 7309-2-10 | 1 | 10 | 18 | 17.5 | 8 | 40 |
| 7309-2-11 | 1 | 11 | 19 | 17.5 | 8 | 40 |
| 7309-2-12 | 1 | 12 | 20 | 17.5 | 12 | 50 |
| 7309-2-13 | 1 | 13 | 21 | 17.5 | 12 | 50 |
| 7309-2-14 | 1 | 14 | 23 | 17.5 | 12 | 50 |
| 7309-2-17 | 1 | 17 | 27 | 17.5 | 13 | 50 |
| 7309-2-19 | 1 | 19 | 31 | 17.5 | 13 | 60 |
| 7309-2-22 | 1 | 22 | 35 | 17.5 | 15 | 80 |

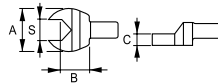
9x12 & 14x18 MM RATCHET HEAD INSERTS



- 1/4", 3/8" & 1/2" square drive ratchet inserts in 9x12 mm
- 1/2" Square drive ratchet inserts in 14x18 mm
- Teeth number: 45
- Angle action: 8°
- High performance alloy steel
- Forged chrome-plated

| E | Icon | S mm | A mm | B mm | C mm | D mm | Max Nm | g |
|----------|------|------|------|------|------|-------|--------|-----|
| 7309-1/4 | 1 | 1/4" | 37 | 18 | 20 | 9x12 | 25 | 135 |
| 7309-3/8 | 1 | 3/8" | 38 | 18 | 20 | 9x12 | 160 | 160 |
| 7309-1/2 | 1 | 1/2" | 38 | 18 | 20 | 9x12 | 160 | 160 |
| 7314-1/2 | 1 | 1/2" | 40 | 25 | 20 | 14x18 | 420 | 265 |

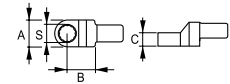
14x18 MM OPEN END INSERTS



- Open-end insert head, 14x18 mm
- High performance alloy steel
- Forged chrome-plated

| E | Icon | S mm | A mm | B mm | C mm | g |
|-----------|------|------|------|------|------|-----|
| 7314-1-13 | 1 | 13 | 30 | 25.0 | 7 | 130 |
| 7314-1-14 | 1 | 14 | 31 | 25.0 | 7 | 130 |
| 7314-1-17 | 1 | 17 | 37 | 25.0 | 9 | 135 |
| 7314-1-19 | 1 | 19 | 41 | 25.0 | 9 | 140 |
| 7314-1-22 | 1 | 22 | 47 | 25.0 | 11 | 170 |
| 7314-1-24 | 1 | 24 | 51 | 25.0 | 11 | 180 |
| 7314-1-27 | 1 | 27 | 59 | 32.5 | 14 | 220 |
| 7314-1-30 | 1 | 30 | 63 | 32.5 | 14 | 240 |
| 7314-1-32 | 1 | 32 | 65 | 32.5 | 14 | 240 |

14x18 MM RING END INSERTS



- Ring-end insert head, 14x18 mm
- High performance alloy steel
- Forged chrome-plated

| E | Icon | S mm | A mm | B mm | C mm | g |
|-----------|------|------|------|------|------|-----|
| 7314-2-13 | 1 | 13 | 21 | 25 | 12 | 120 |
| 7314-2-14 | 1 | 14 | 23 | 25 | 12 | 120 |
| 7314-2-17 | 1 | 17 | 28 | 25 | 13 | 130 |
| 7314-2-19 | 1 | 19 | 30 | 25 | 13 | 140 |
| 7314-2-22 | 1 | 22 | 35 | 25 | 15 | 145 |
| 7314-2-24 | 1 | 24 | 38 | 25 | 15 | 145 |
| 7314-2-27 | 1 | 27 | 42 | 31 | 18 | 170 |
| 7314-2-30 | 1 | 30 | 45 | 31 | 18 | 180 |
| 7314-2-32 | 1 | 32 | 48 | 31 | 18 | 180 |
| 7314-2-36 | 1 | 36 | 53 | 31 | 19 | 205 |
| 7314-2-41 | 1 | 41 | 59 | 31 | 19 | 235 |

1



2



3



4



5



6



7



8



9



10



11



12



BOLTS AND NUTS. PRE-LOAD AND TORQUE DATA

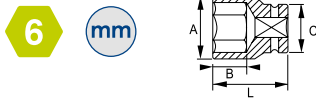
| coarse pitch | mm | mm | mm | resistant area mm ² | friction coefficient | PROPERTY CLASS. COARSE PITCH | | | | | | | | | | | |
|--------------------------|-----|------|-----|-----------------------------------|----------------------|------------------------------|--------------------|----------------------|---------------------|------------------------|----------------------|------------------------|----------------------|------------------------|----------------------|------------------------|----------------------|
| | | | | | | 4.8 | | 5.8 | | 6.8 | | 8.8 | | 10.9 | | 12.9 | |
| | | | | | | Pre-load N | Torque Nm | Pre-load N | Torque Nm | Pre-load N | Torque Nm | Pre-load N | Torque Nm | Pre-load N | Torque Nm | Pre-load N | Torque Nm |
| M2 | 040 | 40 | 15 | 207 | 0.10 0.14 | 4480 4495 | 0.15 0.19 | 610.6 561.9 | 0.19 0.23 | 732.7 674.3 | 0.23 0.28 | 976.9 899.0 | 0.31 0.37 | 1373.8 1264.3 | 0.43 0.52 | 1648.6 1517.1 | 0.52 0.63 |
| M2.5 | 045 | 50 | 20 | 3.39 | 0.10 0.14 | 813.5 749.9 | 0.31 0.38 | 1016.9 937.4 | 0.39 0.48 | 1220.2 1124.9 | 0.47 0.58 | 1627.0 1499.8 | 0.63 0.77 | 2288.0 2109.1 | 0.88 1.08 | 2745.6 2531.0 | 1.06 1.30 |
| M3 | 050 | 55 | 25 | 5.03 | 0.10 0.14 | 1219.9 1125.9 | 0.54 0.60 | 1524.9 1407.4 | 0.68 0.83 | 1829.9 1688.9 | 0.82 1.00 | 2439.9 2251.9 | 1.09 1.34 | 3431.0 3166.7 | 1.53 1.88 | 4117.2 3800.0 | 1.84 2.26 |
| M3.5 | 060 | 60 | - | 6.78 | 0.10 0.14 | 1638.2 1511.3 | 0.84 1.03 | 2047.8 1889.2 | 1.05 1.28 | 2457.3 2267.0 | 1.26 1.54 | 3276.4 3022.6 | 1.68 2.05 | 4607.5 4250.6 | 2.36 2.89 | 5528.9 5100.7 | 2.84 3.47 |
| M4 | 070 | 70 | 30 | 8.78 | 0.10 0.14 | 2115.4 1950.9 | 1.25 1.53 | 2644.3 2438.7 | 1.56 1.91 | 3173.1 2926.4 | 1.88 2.29 | 4230.8 3901.9 | 2.50 3.06 | 5949.6 5487.0 | 3.52 4.30 | 7139.5 6584.4 | 4.22 5.16 |
| M5 | 080 | 80 | 40 | 14.20 | 0.10 0.14 | 3461.6 3196.8 | 2.46 3.02 | 4327.0 3996.0 | 3.08 3.78 | 5192.3 4795.2 | 3.70 4.53 | 6923.1 6393.7 | 4.93 6.04 | 9735.7 8991.1 | 6.93 8.50 | 11682.8 10789.3 | 8.32 10.20 |
| M6 | 100 | 100 | 50 | 20.10 | 0.10 0.14 | 4874.7 4499.1 | 4.24 5.19 | 6093.4 5623.9 | 5.30 6.48 | 7312.1 6748.6 | 6.35 7.78 | 9749.4 8998.2 | 8.47 10.37 | 13710.1 12653.7 | 11.92 14.59 | 16452.2 15184.4 | 14.30 17.51 |
| M7 | 100 | 110 | - | 28.90 | 0.10 0.14 | 7134.5 6599.6 | 6.97 8.60 | 8918.2 8249.5 | 8.71 10.76 | 10701.8 9899.4 | 10.45 12.90 | 14269.1 13199.2 | 13.94 17.21 | 20065.9 18561.4 | 19.60 24.20 | 24079.1 22273.6 | 23.52 29.04 |
| M8 | 125 | 130 | 60 | 36.60 | 0.10 0.14 | 8947.1 8265.6 | 10.20 12.54 | 11183.9 10332.0 | 12.75 15.67 | 13420.7 12398.4 | 15.30 18.80 | 17894.2 16531.2 | 20.41 25.07 | 25163.7 23247.0 | 28.70 35.26 | 30196.5 27896.5 | 34.44 42.31 |
| M10 | 150 | 160 | 80 | 58.00 | 0.10 0.14 | 14244.5 13167.4 | 20.11 24.76 | 17805.6 16459.2 | 25.14 30.95 | 21366.8 19751.1 | 30.16 37.14 | 28489.0 26334.8 | 40.22 49.52 | 40062.7 37033.3 | 56.56 69.64 | 48075.3 44439.9 | 67.87 83.56 |
| M12 | 175 | 180 | 100 | 84.30 | 0.10 0.14 | 20766.6 19204.0 | 34.43 42.42 | 25958.3 24005.0 | 43.03 53.03 | 31149.9 28806.0 | 51.64 63.63 | 41533.2 38408.0 | 68.86 84.84 | 58406.1 54011.2 | 96.83 119.31 | 70087.3 64813.5 | 116.20 143.17 |
| M14 | 200 | 210 | 120 | 115.00 | 0.10 0.14 | 28389.9 26261.2 | 54.77 67.56 | 35487.4 32826.5 | 68.46 84.45 | 42584.9 39391.8 | 82.15 101.34 | 56779.8 52522.4 | 109.53 135.13 | 79846.6 73859.6 | 154.03 190.02 | 95816.0 88631.5 | 184.84 228.03 |
| M16 | 200 | 240 | 140 | 157.00 | 0.10 0.14 | 39242.1 36364.2 | 85.14 105.80 | 49052.7 45455.3 | 106.43 132.26 | 58863.2 54546.3 | 127.72 158.71 | 78484.3 72728.5 | 170.29 211.61 | 110368.5 102274.4 | 239.47 297.58 | 132442.2 122729.3 | 287.36 357.09 |
| M18 | 250 | 270 | 140 | 192.00 | 0.10 0.14 | 47533.0 43986.1 | 117.48 145.16 | 59416.3 54982.7 | 146.85 181.45 | 71299.6 65979.2 | 176.22 217.74 | 95066.1 87972.3 | 234.96 290.32 | 133686.7 123711.0 | 330.41 402.26 | 160424.1 148453.2 | 396.49 489.92 |
| M20 | 250 | 300 | 170 | 245.00 | 0.10 0.14 | 61238.0 56747.1 | 166.08 206.39 | 76547.5 70933.9 | 207.61 257.98 | 91857.0 85120.6 | 249.13 309.58 | 122476.0 113494.2 | 332.17 412.78 | 172231.9 159601.2 | 467.11 580.47 | 206678.2 191521.5 | 560.54 696.56 |
| M22 | 250 | 340 | 170 | 303.00 | 0.10 0.14 | 76305.2 70791.9 | 227.22 283.79 | 95381.5 88489.8 | 284.02 354.74 | 114457.8 106187.8 | 340.82 425.69 | 152610.4 141583.7 | 454.43 567.58 | 214608.3 199102.1 | 639.05 798.16 | 257530.0 238922.5 | 766.85 957.80 |
| M24 | 300 | 360 | 190 | 353.00 | 0.10 0.14 | 88232.4 81761.8 | 287.16 356.84 | 110290.5 102202.2 | 358.94 446.05 | 132348.6 122642.7 | 430.73 535.26 | 176646.9 163523.6 | 574.31 713.68 | 248153.7 229555.1 | 807.63 1003.61 | 297784.4 275946.1 | 969.15 1204.33 |
| M27 | 300 | 410 | 190 | 459.00 | 0.10 0.14 | 115778.8 107441.5 | 420.04 525.08 | 144723.5 134301.9 | 525.05 656.35 | 173668.2 161162.2 | 306.06 387.62 | 231557.6 214883.0 | 840.08 1050.16 | 325627.9 302179.2 | 1181.36 1476.79 | 390753.4 362615.0 | 1417.63 1772.15 |
| M30 | 350 | 460 | 220 | 561.00 | 0.10 0.14 | 140999.5 130770.6 | 572.83 714.49 | 176249.4 163463.3 | 716.03 893.11 | 211499.3 196155.9 | 859.24 1071.73 | 281999.0 261541.2 | 1145.65 1428.97 | 396561.1 367792.3 | 1611.08 2009.49 | 475873.4 441350.8 | 1933.29 2411.39 |
| M33 | 350 | 500 | 220 | 694.00 | 0.10 0.14 | 175618.1 163058.0 | 774.65 970.43 | 219522.6 203822.5 | 968.32 1213.03 | 263427.1 245587.0 | 1161.98 1455.64 | 351236.2 326115.9 | 1549.31 1940.86 | 493925.8 458600.5 | 2178.72 2729.33 | 592711.0 550320.6 | 2614.46 3275.19 |
| M36 | 400 | 550 | 240 | 817.00 | 0.10 0.14 | 206081.7 191241.8 | 998.60 1248.41 | 257602.2 239052.3 | 1248.25 1560.51 | 309122.6 286862.7 | 1497.89 1872.61 | 412163.5 382483.6 | 1997.19 2496.81 | 579604.8 537867.6 | 2808.55 3511.14 | 695525.8 645441.1 | 3370.26 4213.37 |
| M39 | 400 | 600 | 270 | 976.00 | 0.10 0.14 | 247520.0 229902.6 | 1291.81 1620.96 | 309400.0 287378.3 | 1614.77 2026.20 | 371279.9 344853.9 | 1937.72 2431.44 | 495039.9 459805.2 | 2583.63 3241.92 | 696149.8 646601.0 | 3633.23 4558.96 | 835379.8 775921.3 | 4359.88 5470.75 |
| M42 | 450 | 650 | - | 1120.00 | 0.10 0.14 | 283225.0 262939.0 | 1601.25 2005.46 | 354031.2 328673.8 | 2001.57 2506.83 | 424837.4 394408.5 | 2401.88 3008.20 | 566449.9 525878.0 | 3202.51 4010.93 | 796570.1 739516.0 | 4503.53 5640.37 | 955884.2 887419.2 | 5404.23 6768.44 |
| M45 | 450 | 700 | 320 | 1310.00 | 0.10 0.14 | 332751.5 309151.8 | 2005.51 2519.55 | 415939.4 386439.7 | 2506.89 3149.43 | 499127.3 463727.7 | 3008.26 3779.32 | 665503.0 618303.6 | 4011.02 5039.09 | 935863.6 869489.3 | 5640.50 7086.23 | 1123036.0 1043387.0 | 6768.60 8503.47 |
| M48 | 500 | 750 | - | 1470.00 | 0.10 0.14 | 372429.3 345862.9 | 2406.51 3018.11 | 465536.6 432328.7 | 3008.14 3772.64 | 558644.0 518794.4 | 3609.77 4527.17 | 744858.6 691725.8 | 4813.03 6036.23 | 1047457.0 972739.4 | 6768.32 8488.45 | 1256949.0 1167287.0 | 8121.98 10186.14 |
| M52 | 500 | 800 | 360 | 1760.00 | 0.10 0.14 | 448108.9 416499.0 | 3099.96 3900.52 | 560136.1 520623.8 | 3874.95 4875.65 | 672163.4 624748.5 | 4649.93 5850.78 | 896217.8 832998.0 | 6199.91 7801.04 | 1260306.0 1171404.0 | 8718.63 10970.21 | 1512368.0 1405684.0 | 10462.36 13164.25 |
| M56 | 550 | 850 | 410 | 2030.00 | 0.10 0.14 | 516202.9 479683.4 | 3838.14 4824.40 | 645253.6 599604.2 | 4797.68 6030.50 | 774304.4 719525.1 | 5757.21 7236.60 | 1032406.0 959366.8 | 7676.29 9648.80 | 1451821.0 1349110.0 | 10794.78 13568.63 | 1742185.0 1618931.0 | 12953.73 16282.36 |
| M60 | 550 | 900 | - | 2360.00 | 0.10 0.14 | 602498.5 560267.5 | 4754.64 5992.71 | 753123.1 700334.4 | 5943.30 7490.88 | 903747.8 840401.2 | 7131.96 8989.06 | 1204997.0 1120535.0 | 9509.28 11985.42 | 1694527.0 1575752.0 | 13372.43 16854.49 | 2033432.0 1890903.0 | 16046.91 20225.39 |
| M64 | 600 | 950 | 460 | 2680.00 | 0.10 0.14 | 683339.5 635299.9 | 5746.17 7235.13 | 854174.4 794124.9 | 7182.71 9043.92 | 1025009.0 952949.8 | 8619.25 10852.70 | 1366679.0 1270600.0 | 11492.34 14470.27 | 1921892.0 1786781.0 | 16161.10 20348.82 | 2306271.0 2144137.0 | 19393.32 24418.58 |
| M68 | 600 | 1000 | - | 3060.00 | 0.10 0.14 | 782799.9 728201.8 | 6939.64 8758.24 | 978499.8 910252.2 | 8674.55 10947.80 | 1174200.0 1092303.0 | 10409.46 13137.36 | 1565600.0 1456404.0 | 13879.28 17516.48 | 2201625.0 2048068.0 | 19517.74 24632.55 | 2641950.0 2457681.0 | 23421.29 29559.06 |



04. SOCKETRY

1/4" SOCKETS

1/4" HEXAGONAL SOCKETS



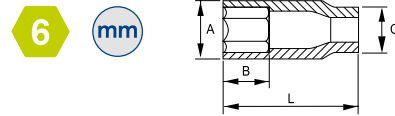
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN 3120, DIN 3124

| R | | | A mm | B mm | C mm | L mm | g |
|-----------|---|-----|---------|---------|---------|---------|----|
| 101-04-1 | 5 | 4 | 6.9 | 9.0 | 12.0 | 25.0 | 11 |
| 101-045-1 | 5 | 4.5 | 7.5 | 9.0 | 12.0 | 25.0 | 11 |
| 101-05-1 | 5 | 5 | 8.2 | 9.0 | 12.0 | 25.0 | 11 |
| 101-055-1 | 5 | 5.5 | 8.8 | 9.0 | 12.0 | 25.0 | 12 |
| 101-06-1 | 5 | 6 | 9.4 | 9.0 | 12.0 | 25.0 | 11 |
| 101-07-1 | 5 | 7 | 11.0 | 9.0 | 12.0 | 25.0 | 13 |
| 101-08-1 | 5 | 8 | 12.0 | 12.0 | 12.0 | 25.0 | 13 |
| 101-09-1 | 5 | 9 | 13.0 | 12.0 | 13.0 | 25.0 | 15 |
| 101-10-1 | 5 | 10 | 14.0 | 12.0 | 12.6 | 25.0 | 21 |
| 101-11-1 | 5 | 11 | 16.0 | 12.0 | 14.0 | 25.0 | 24 |
| 101-12-1 | 5 | 12 | 17.0 | 12.0 | 14.8 | 25.0 | 26 |
| 101-13-1 | 5 | 13 | 18.0 | 12.0 | 15.8 | 25.0 | 28 |
| 101-14-1 | 5 | 14 | 20.0 | 12.0 | 17.4 | 25.0 | 39 |



| R | | | A mm | B mm | C mm | L mm | g |
|-----------|---|--------|---------|---------|---------|---------|----|
| 101A-05-1 | 5 | 5/32" | 6.9 | 8.5 | 12.0 | 25.0 | 10 |
| 101A-06-1 | 5 | 3/16" | 7.5 | 8.5 | 12.0 | 25.0 | 10 |
| 101A-07-1 | 5 | 7/32" | 8.8 | 9.5 | 12.0 | 25.0 | 11 |
| 101A-08-1 | 5 | 1/4" | 9.4 | 9.5 | 12.0 | 25.0 | 11 |
| 101A-09-1 | 5 | 9/32" | 11.0 | 10.5 | 12.0 | 25.0 | 13 |
| 101A-10-1 | 5 | 5/16" | 12.0 | 10.5 | 12.0 | 25.0 | 12 |
| 101A-11-1 | 5 | 11/32" | 13.0 | 10.5 | 12.0 | 25.0 | 14 |
| 101A-12-1 | 5 | 3/8" | 14.0 | 10.5 | 12.6 | 25.0 | 18 |
| 101A-14-1 | 5 | 7/16" | 16.0 | 11.5 | 14.0 | 25.0 | 23 |
| 101A-16-1 | 5 | 1/2" | 18.0 | 11.5 | 15.8 | 25.0 | 29 |
| 101A-18-1 | 5 | 9/16" | 20.0 | 11.5 | 17.4 | 25.0 | 37 |

1/4" DEEP HEXAGONAL SOCKETS



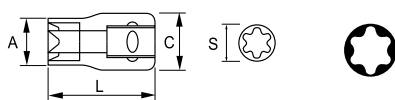
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN 3120, DIN 3124

| R | | | A mm | B mm | C mm | L mm | g |
|-----------|---|-----|---------|---------|---------|---------|----|
| 103-04-1 | 5 | 4 | 6.9 | 12.0 | 12.0 | 50.0 | 21 |
| 103-045-1 | 5 | 4.5 | 7.5 | 12.0 | 12.0 | 50.0 | 20 |
| 103-05-1 | 5 | 5 | 8.2 | 12.0 | 12.0 | 50.0 | 21 |
| 103-055-1 | 5 | 5.5 | 8.8 | 12.0 | 12.0 | 50.0 | 22 |
| 103-06-1 | 5 | 6 | 9.4 | 12.0 | 12.0 | 50.0 | 22 |
| 103-07-1 | 5 | 7 | 11.0 | 24.0 | 12.0 | 50.0 | 26 |
| 103-08-1 | 5 | 8 | 12.0 | 24.0 | 10.9 | 50.0 | 29 |
| 103-09-1 | 5 | 9 | 13.0 | 24.0 | 11.6 | 50.0 | 30 |
| 103-10-1 | 5 | 10 | 14.0 | 24.0 | 13.0 | 50.0 | 39 |
| 103-11-1 | 5 | 11 | 16.0 | 24.0 | 14.2 | 50.0 | 44 |
| 103-12-1 | 5 | 12 | 17.0 | 24.0 | 15.0 | 50.0 | 49 |
| 103-13-1 | 5 | 13 | 18.0 | 24.0 | 16.0 | 50.0 | 55 |
| 103-14-1 | 5 | 14 | 20.0 | 24.0 | 17.0 | 50.0 | 65 |



| R | | | A mm | B mm | C mm | L mm | g |
|-----------|---|--------|---------|---------|---------|---------|----|
| 103A-06-1 | 5 | 3/16" | 8.2 | 12.0 | 12.0 | 50.0 | 21 |
| 103A-08-1 | 5 | 1/4" | 9.7 | 12.0 | 12.0 | 50.0 | 22 |
| 103A-09-1 | 5 | 9/32" | 11.2 | 24.0 | 12.0 | 50.0 | 26 |
| 103A-10-1 | 5 | 5/16" | 12.0 | 24.0 | 12.0 | 50.0 | 29 |
| 103A-11-1 | 5 | 11/32" | 13.0 | 24.0 | 12.0 | 50.0 | 30 |
| 103A-12-1 | 5 | 3/8" | 13.7 | 24.0 | 12.0 | 50.0 | 39 |
| 103A-14-1 | 5 | 7/16" | 16.1 | 24.0 | 14.2 | 50.0 | 44 |
| 103A-16-1 | 5 | 1/2" | 18.0 | 24.0 | 16.0 | 50.0 | 55 |

1/4" SOCKETS, TORX®



- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standard: DIN 3120

| R | | | S mm | A mm | B mm | L mm | g |
|----------|---|------|---------|---------|---------|---------|----|
| 106-04-1 | 5 | E-4 | 3.8 | 6.0 | 12.0 | 25.0 | 10 |
| 106-05-1 | 5 | E-5 | 4.7 | 7.0 | 12.0 | 25.0 | 11 |
| 106-06-1 | 5 | E-6 | 5.7 | 8.0 | 12.0 | 25.0 | 11 |
| 106-07-1 | 5 | E-7 | 6.2 | 8.6 | 12.0 | 25.0 | 11 |
| 106-08-1 | 5 | E-8 | 7.5 | 10.3 | 12.0 | 25.0 | 12 |
| 106-10-1 | 5 | E-10 | 9.4 | 12.3 | 13.0 | 25.0 | 21 |

1/4" BIT DRIVERS

1/4" BIT DRIVER, SLOTTED



- Bit made with S2 special steel
- Slotted
- Standard: DIN 3120

| R | Box | ⌀ | A mm | B mm | L mm | g |
|------------|-----|---------|------|------|------|----|
| 107-0840-1 | 5 | 0.8 x 4 | 11.8 | 20.0 | 37.5 | 15 |
| 107-1055-1 | 5 | 1 x 5.5 | 11.8 | 20.0 | 37.5 | 15 |
| 107-1280-1 | 5 | 1.2 x 8 | 11.8 | 20.0 | 37.5 | 16 |

1/4" BIT DRIVER, PHILLIPS



- Bit made with S2 special steel
- Phillips bit driver
- Standard: DIN 3120

| R | Box | ⊕ | A mm | B mm | L mm | g |
|-----------|-----|------|------|------|------|----|
| 107-PH1-1 | 5 | PH-1 | 11.8 | 20.0 | 37.5 | 15 |
| 107-PH2-1 | 5 | PH-2 | 11.8 | 20.0 | 37.5 | 15 |
| 107-PH3-1 | 5 | PH-3 | 11.8 | 20.0 | 37.5 | 16 |

1/4" BIT DRIVER, POZIDRIV



- Bit made with S2 special steel
- Pozidriv bit driver
- Standard: DIN 3120

| R | Box | ⊕ | A mm | B mm | L mm | g |
|-----------|-----|------|------|------|------|----|
| 107-PZ1-1 | 5 | PZ-1 | 11.8 | 20.0 | 37.5 | 15 |
| 107-PZ2-1 | 5 | PZ-2 | 11.8 | 20.0 | 37.5 | 15 |
| 107-PZ3-1 | 5 | PZ-3 | 11.8 | 20.0 | 37.5 | 16 |

1/4" BIT DRIVER, HEXAGONAL



- Bit made with S2 special steel
- Hexagonal bit driver
- Standard: DIN 3120

| R | Box | ⌀ | A mm | B mm | L mm | g |
|----------|-----|---|------|------|------|----|
| 107-H3-1 | 5 | 3 | 11.8 | 20.0 | 37.5 | 15 |
| 107-H4-1 | 5 | 4 | 11.8 | 20.0 | 37.5 | 15 |
| 107-H5-1 | 5 | 5 | 11.8 | 20.0 | 37.5 | 16 |
| 107-H6-1 | 5 | 6 | 11.8 | 20.0 | 37.5 | 17 |
| 107-H8-1 | 5 | 8 | 11.8 | 20.0 | 37.5 | 19 |

| R | Box | ⌀ | A mm | B mm | L mm | g |
|----------|-----|-------|------|------|------|----|
| 107A-4-1 | 5 | 1/8" | 11.8 | 20.0 | 37.5 | 15 |
| 107A-5-1 | 5 | 5/32" | 11.8 | 20.0 | 37.5 | 15 |
| 107A-6-1 | 5 | 3/16" | 11.8 | 20.0 | 37.5 | 16 |
| 107A-7-1 | 5 | 7/32" | 11.8 | 20.0 | 37.5 | 17 |

1/4" BIT DRIVER, TORX®



- Bit made with S2 special steel
- TORX® bit driver
- Standard: DIN 3120

| R | Box | ⊕ | S mm | A mm | C mm | L mm | g |
|-----------|-----|-----|------|------|------|------|----|
| 107-T08-1 | 5 | T8 | 2.3 | 11.8 | 20.0 | 37.5 | 15 |
| 107-T09-1 | 5 | T9 | 2.5 | 11.8 | 20.0 | 37.5 | 15 |
| 107-T10-1 | 5 | T10 | 2.7 | 11.8 | 20.0 | 37.5 | 15 |
| 107-T15-1 | 5 | T15 | 3.3 | 11.8 | 20.0 | 37.5 | 15 |
| 107-T20-1 | 5 | T20 | 3.8 | 11.8 | 20.0 | 37.5 | 15 |
| 107-T25-1 | 5 | T25 | 4.4 | 11.8 | 20.0 | 37.5 | 15 |
| 107-T27-1 | 5 | T27 | 5.0 | 11.8 | 20.0 | 37.5 | 16 |
| 107-T30-1 | 5 | T30 | 5.5 | 11.8 | 20.0 | 37.5 | 16 |
| 107-T40-1 | 5 | T40 | 6.6 | 11.8 | 20.0 | 37.5 | 16 |



1/4" ACCESSORIES

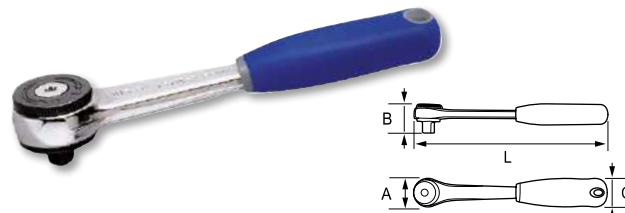
1/4" REVERSIBLE RATCHET



- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN 3122, DIN 3122

| R | 📦 | A mm | B mm | C mm | L mm | g |
|----------|---|------|------|------|------|-----|
| 105-70-1 | 5 | 28 | 25 | 23 | 152 | 151 |

1/4" REVERSIBLE RATCHET



- 72 teeth / 5° action
- High performance alloy steel
- Chrome-plated high polished finish
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN 3122, DIN 3120, ISO 3315, UNE 16512
- * 105711 Repair Kit

| R | 📦 | A mm | B mm | C mm | L mm | g |
|--------|---|------|------|------|------|-----|
| 105501 | 1 | 25 | 23 | 21 | 122 | 150 |

RATCHET EXHIBITOR WITH 12 1/4" RATCHETS



- Reversible ratchet
- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standard: DIN 3122, DIN 3120
- Use part number 105-70-1 to order individual ratchets

| R | 📦 | 📦 | 📦 | g |
|---------------|---|----|-----------------|-------|
| 105-70-12DISP | 1 | 12 | 160 x 150 x 230 | 2.590 |

1/4" HEXAGONAL SOCKET SET IN RAIL, 11 pieces



- 1/4" Socket set in display
- 11 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome plated bright finish
- Standard: DIN 3120, DIN 3124, DIN 3122
- Hang sell presentation

| R | 📦 | 📦 | 📦 | g |
|----------|---|----|---------------|-----|
| 109-11-4 | 5 | 11 | 232 x 60 x 15 | 250 |

101-04-1, 101-05-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1

1/4" SOCKET SET, HEXAGONAL AND METRIC



- 13 pcs, 1/4" drive socket set
- Hexagonal sockets, metric sizes
- Chrome plated bright finish
- Standard: DIN 3120, DIN 3124, DIN 3122
- Hang sell presentation
- * Counter display when ordering 12 pieces

| R | 📦 | 📦 | 📦 | g |
|----------|---|----|---------------|-----|
| 109-13-4 | 8 | 13 | 254 x 70 x 30 | 460 |

105-70-1 105-24-1
101-04-1, 101-05-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1

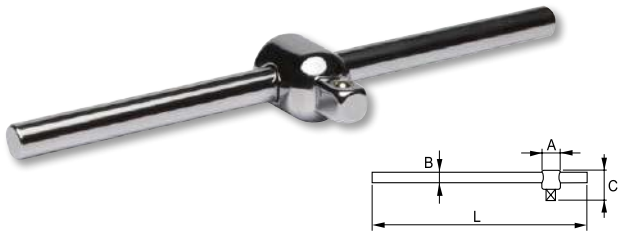
1/4" EXTENSIONS



• Standards: DIN 3120, DIN 3122

| R | Icon | A mm | B mm | L mm | g |
|----------|------|------|------|------|----|
| 105-22-1 | | 5 | 8.1 | 50 | 20 |
| 105-24-1 | | 5 | 8.1 | 100 | 38 |
| 105-26-1 | | 5 | 8.1 | 150 | 65 |

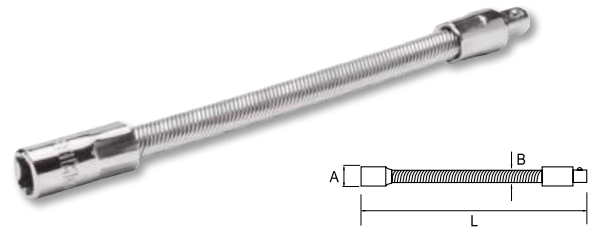
1/4" SLIDING T-HANDLE



• Standards: DIN 3120, DIN 3122

| R | Icon | A mm | B mm | C mm | L mm | g | |
|----------|------|------|------|------|------|-----|----|
| 105-42-1 | | 5 | 13.5 | 6.0 | 24 | 115 | 45 |

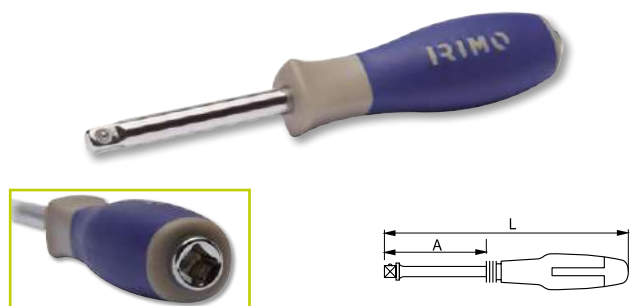
1/4" FLEXIBLE EXTENSION



• Standard: DIN 3120

| R | Icon | A mm | B mm | L mm | g | |
|----------|------|------|------|------|-----|----|
| 105-28-1 | | 5 | 12.5 | 8 | 148 | 57 |

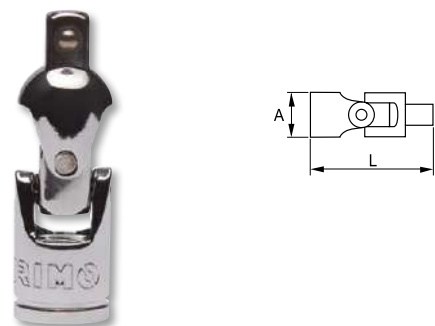
1/4" SPINNER HANDLE



• Female 1/4" square in the head
• Standard: DIN 3120

| R | Icon | A mm | L mm | □ | □ | g | |
|----------|------|------|------|-----|------|------|----|
| 105-50-1 | | 5 | 61 | 150 | 1/4" | 1/4" | 88 |

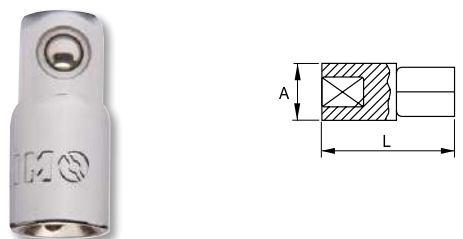
1/4" UNIVERSAL JOINT



• Standards: DIN 3120, DIN 3122

| R | Icon | A mm | L mm | g | |
|----------|------|------|------|------|----|
| 105-40-1 | | 5 | 13.8 | 38.0 | 27 |

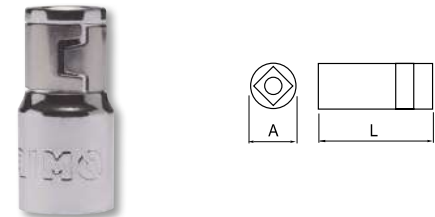
1/4"-3/8" INCREASING ADAPTOR



• Increasing adaptor 1/4" to 3/8"
• Standards: DIN 3120, DIN 3122

| R | Icon | A mm | L mm | g | |
|----------|------|------|------|------|----|
| 105-46-1 | | 5 | 12.0 | 26.0 | 31 |

1/4" BIT HOLDER



• 1/4" female square to 1/4" female hex
• Standard: DIN 3120

| R | Icon | A mm | L mm | g | |
|----------|------|------|------|------|----|
| 105-48-1 | | 5 | 11.9 | 25.0 | 12 |



1/4" SOCKET SETS

1/4" SOCKET AND BIT SET



- 1/4" 23 pcs socket and bit set DIN 3120 and DIN 3124
- Ratchet torque according to DIN 3122
- Special bit ratchet hex 1/4" drive; Reversible; 60 teeth; L= 90 mm
- Bimaterial ratchet handle
- ABS plastic box
- Includes belt clip
- Ratchet is sold as a spare part: SP121

| 109-23-4 | 1 | 23 | 110x75x45 | 340 |
|------------------------------------------------------------|---|----|-----------|-----|
| 101-06-1, 101-07-1, 101-08-1, 101-10-1, 101-11-1, 101-13-1 | | | | |
| 475A-25-1 | | | | |
| 475-PH1-1, 475-PH2-1 | | | | |
| 475-PZ1-1, 475-PZ2-1 | | | | |
| 475-4-1, 475-6.0-1 | | | | |
| 475-H3-1, 475-H4-1, 475-H5-1, 475-H6-1 | | | | |
| 475-T10-1, 475-T15-1, 475-T20-1, 475-T25-1, 475-T30-1 | | | | |
| SP121 | | | | |

1/4" SOCKET SET, HEXAGONAL AND METRIC



- 35 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene

1/4" POCKET SET 37 SOCKETS & BITS



- 1/4" hexagonal socket and bit handy set, 37 pcs
- Bit holder with swiveling system for easy Access
- Handy reversible ratchet of 72 teeth. Length 105 mm
- Bimaterial handles
- Bright chrome plated finish
- DIN 3120 and DIN 3124

| 109-37-4 | 1 | 37 | 45x100x150 | 780 |
|----------|---|-------------------------------|------------|-----------|
| x10 | | 5.5-6-7-8-9-10-11-12-13-14 mm | | |
| x1 | | | x2 | 50-100 mm |
| x1 | | | x1 | |
| x22 | | | | |
| (3x) | | SL4-5-6 | (3x) | PH1-2-3 |
| (5x) | | H3-4-5-6-7 | (3x) | PH1-2-3 |
| (7x) | | T10-15-20-25-27-30-40 | (1x) | 1/4" |

| 109-35-4 | 1 | 35 | 250 x 170 x 60 | 1.200 |
|--------------------------------------------------------------------------------------------------------------------------|---|----|----------------|-------|
| 105-48-1 | | | 105-70-1 | |
| 105-42-1 | | | 105-50-1 | |
| 105-22-1 | | | 105-40-1 | |
| 105-24-1 | | | | |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1 | | | | |
| 040001, 040011, 040021 | | | | |
| 475-PH1-1, 475-PH2-1, 475-PH3-1 | | | | |
| 475-PZ1-1, 475-PZ2-1, 475-PZ3-1 | | | | |
| 475-4-1, 475-6.0-1 | | | | |
| 475-H3-1, 475-H4-1, 475-H5-1, 475-H6-1 | | | | |

1/4" SOCKET SET, HEXAGONAL AND METRIC

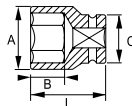


- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene

| R | Icons | g |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|----------|
| 109-19-4 | 10 19 260x185x55 | 1.100 |
| 105-40-1 | | 105-70-1 |
| 105-42-1 | | 105-50-1 |
| 105-22-1 | | 105-26-1 |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1 | | |

3/8" SOCKETS

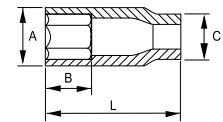
3/8" HEXAGONAL SOCKETS



- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN 3120, DIN 3124

| R | Icons | A mm | B mm | C mm | L mm | g |
|----------|-------|------|------|------|------|-----|
| 112-06-1 | 5 6 | 10.5 | 9.0 | 17.0 | 28.0 | 21 |
| 112-07-1 | 5 7 | 11.0 | 9.0 | 17.0 | 28.0 | 24 |
| 112-08-1 | 5 8 | 12.2 | 9.0 | 17.0 | 28.0 | 27 |
| 112-09-1 | 5 9 | 13.5 | 9.0 | 17.0 | 28.0 | 26 |
| 112-10-1 | 5 10 | 14.7 | 9.0 | 17.0 | 28.0 | 24 |
| 112-11-1 | 5 11 | 16.0 | 9.0 | 17.0 | 28.0 | 26 |
| 112-12-1 | 5 12 | 18.0 | 15.0 | 17.0 | 28.0 | 24 |
| 112-13-1 | 5 13 | 19.0 | 15.0 | 17.0 | 28.0 | 29 |
| 112-14-1 | 5 14 | 20.0 | 15.0 | 17.7 | 28.0 | 38 |
| 112-15-1 | 5 15 | 22.0 | 15.0 | 17.9 | 28.0 | 40 |
| 112-16-1 | 5 16 | 22.0 | 15.0 | 17.9 | 28.0 | 46 |
| 112-17-1 | 5 17 | 24.0 | 15.0 | 18.8 | 30.0 | 56 |
| 112-18-1 | 5 18 | 26.0 | 15.0 | 19.8 | 30.0 | 75 |
| 112-19-1 | 5 19 | 26.0 | 15.0 | 20.7 | 30.0 | 66 |
| 112-20-1 | 5 20 | 28.0 | 15.0 | 21.8 | 30.0 | 88 |
| 112-21-1 | 5 21 | 28.0 | 15.0 | 21.8 | 30.0 | 84 |
| 112-22-1 | 5 22 | 30.0 | 15.0 | 22.8 | 32.0 | 104 |

3/8" HEXAGONAL DEEP SOCKETS

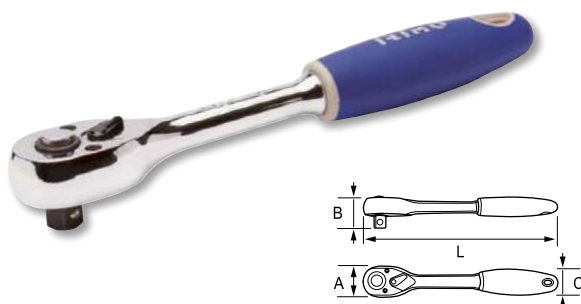


- Deep sockets
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standard: DIN 3120

| R | Icons | A mm | B mm | C mm | L mm | g |
|----------|-------|------|------|------|------|-----|
| 113-07-1 | 5 7 | 11.0 | 16.0 | 17.0 | 64.0 | 45 |
| 113-08-1 | 5 8 | 12.2 | 16.0 | 17.0 | 64.0 | 49 |
| 113-09-1 | 5 9 | 13.5 | 16.0 | 17.0 | 64.0 | 53 |
| 113-10-1 | 5 10 | 14.7 | 16.0 | 17.0 | 64.0 | 60 |
| 113-11-1 | 5 11 | 17.0 | 29.0 | 16.0 | 64.0 | 61 |
| 113-12-1 | 5 12 | 18.0 | 29.0 | 17.2 | 64.0 | 63 |
| 113-13-1 | 5 13 | 19.0 | 29.0 | 16.8 | 64.0 | 75 |
| 113-14-1 | 5 14 | 20.0 | 29.0 | 17.8 | 64.0 | 81 |
| 113-16-1 | 5 16 | 22.0 | 29.0 | 18.0 | 64.0 | 98 |
| 113-17-1 | 5 17 | 24.0 | 29.0 | 18.9 | 64.0 | 123 |
| 113-19-1 | 5 19 | 26.0 | 29.0 | 20.8 | 64.0 | 145 |

3/8" ACCESSORIES

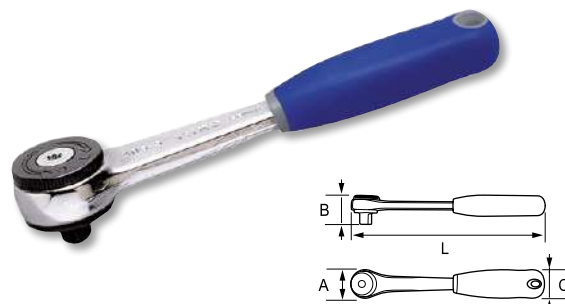
3/8" REVERSIBLE RATCHET



- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN 3120, DIN 3122

| Part No. | Packaging | A mm | B mm | C mm | L mm | Weight (g) |
|----------|-----------|------|------|------|------|------------|
| 115-70-1 | 5 | 33 | 33 | 32 | 202 | 341 |

3/8" REVERSIBLE RATCHET



- 72 teeth / 5° action
- High performance alloy steel
- Chrome-plated high polished finish
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN 3122, DIN 3120, ISO 3315, UNE 16512
- * 115701 Repair Kit

| Part No. | Packaging | A mm | B mm | C mm | L mm | Weight (g) |
|----------|-----------|------|------|------|------|------------|
| 115501 | 1 | 29 | 30 | 24 | 197 | 230 |

3/8" EXTENSIONS



- Standards: DIN 3120, DIN 3122

| Part No. | Packaging | A mm | B mm | L mm | Weight (g) |
|----------|-----------|------|------|------|------------|
| 115-20-1 | 5 | 17.0 | 12.1 | 75 | 125 |
| 115-22-1 | 5 | 17.0 | 12.1 | 150 | 138 |
| 115-24-1 | 5 | 17.0 | 12.1 | 250 | 232 |

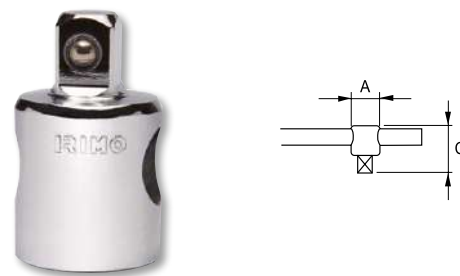
3/8" SLIDING T-HANDLE



- Standards: DIN 3120, DIN 3122

| Part No. | Packaging | A mm | B mm | C mm | L mm | Weight (g) |
|----------|-----------|------|------|------|------|------------|
| 115-42-1 | 5 | 17.5 | 8.5 | 35 | 152 | 114 |

3/8" T-HANDLE HEAD



- Sliding T handle head
- Standard: DIN 3120

| Part No. | Packaging | A mm | C mm | Weight (g) |
|----------|-----------|------|------|------------|
| 115-43-1 | 5 | 24.0 | 40.5 | 30 |

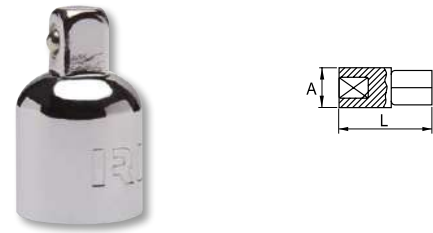
3/8" UNIVERSAL JOINT



- Standards: DIN 3120, DIN 3122

| Part No. | Box | A mm | L mm | Weight (g) |
|----------|-----|------|------|------------|
| 115-40-1 | 5 | 17.8 | 59.0 | 61 |

3/8"-1/4" REDUCING ADAPTOR



- Reducing adaptor 3/8" to 1/4"
- Standard: DIN 3120

| Part No. | Box | A mm | L mm | Weight (g) |
|----------|-----|------|------|------------|
| 115-46-1 | 5 | 16.0 | 25.0 | 17 |

3/8"-1/2" INCREASING ADAPTOR



- Increasing adaptor 3/8" to 1/2"
- Standard: DIN 3120

| Part No. | Box | A mm | L mm | Weight (g) |
|----------|-----|------|------|------------|
| 115-44-1 | 5 | 18.0 | 35.5 | 45 |

3/8" BIT HOLDER



- 3/8" female square to 5/16" female hex
- Standard: DIN 3120

| Part No. | Box | Hex Size | A mm | L mm | Weight (g) |
|----------|-----|----------|------|------|------------|
| 115-48-1 | 5 | 5/16" | 15.4 | 28.0 | 24 |

3/8" SOCKET SET

3/8" SOCKET SET, HEXAGONAL AND METRIC



- 3/8" Socket set, 18 pcs
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene

| Part No. | Box | Quantity | Dimensions | Weight (g) |
|----------|-----|----------|----------------|------------|
| 119-18-4 | 1 | 18 | 320 x 250 x 75 | 3.250 |

| | | |
|----------------------------------------------------------------------------------------------------------------------------------|------|--|
| 112-07-1, 112-08-1, 112-10-1, 112-11-1, 112-12-1, 112-13-1, 112-14-1, 112-15-1, 112-16-1, 112-17-1, 112-19-1, 112-21-1, 112-22-1 | 3/8" | |
|----------------------------------------------------------------------------------------------------------------------------------|------|--|

| | |
|----------|--|
| 115-70-1 | |
|----------|--|

| | |
|--------------------|--|
| 115-20-1, 115-22-1 | |
|--------------------|--|

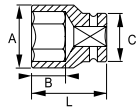
| | |
|----------|--|
| 115-40-1 | |
|----------|--|

| | |
|----------|--|
| 115-43-1 | |
|----------|--|



1/2" SOCKETS

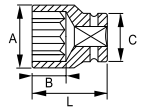
1/2" HEXAGONAL SOCKETS



- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN 3120, DIN 3124

| R | Icon | mm | A mm | B mm | C mm | L mm | g |
|----------|------|----|------|------|------|------|-----|
| 121-08-1 | 5 | 8 | 14.8 | 13.0 | 22.0 | 38.0 | 50 |
| 121-09-1 | 5 | 9 | 15.3 | 13.0 | 22.0 | 38.0 | 48 |
| 121-10-1 | 5 | 10 | 15.3 | 13.0 | 22.0 | 38.0 | 49 |
| 121-11-1 | 5 | 11 | 16.5 | 13.0 | 22.0 | 38.0 | 50 |
| 121-12-1 | 5 | 12 | 17.8 | 13.0 | 22.0 | 38.0 | 52 |
| 121-13-1 | 5 | 13 | 19.0 | 13.0 | 22.0 | 38.0 | 54 |
| 121-14-1 | 5 | 14 | 20.3 | 13.0 | 22.0 | 38.0 | 56 |
| 121-15-1 | 5 | 15 | 22.0 | 17.8 | 20.5 | 38.0 | 57 |
| 121-16-1 | 5 | 16 | 22.0 | 17.8 | 20.5 | 38.0 | 71 |
| 121-17-1 | 5 | 17 | 24.0 | 17.8 | 21.9 | 38.0 | 72 |
| 121-18-1 | 5 | 18 | 25.0 | 17.8 | 22.9 | 38.0 | 90 |
| 121-19-1 | 5 | 19 | 26.0 | 17.8 | 22.9 | 38.0 | 84 |
| 121-20-1 | 5 | 20 | 28.0 | 17.8 | 23.9 | 38.0 | 87 |
| 121-21-1 | 5 | 21 | 28.0 | 17.8 | 23.9 | 38.0 | 95 |
| 121-22-1 | 5 | 22 | 30.0 | 17.8 | 26.1 | 38.0 | 97 |
| 121-23-1 | 5 | 23 | 32.0 | 17.8 | 28.1 | 38.0 | 103 |
| 121-24-1 | 5 | 24 | 32.0 | 17.8 | 28.1 | 38.0 | 109 |
| 121-25-1 | 5 | 25 | 34.0 | 17.8 | 29.1 | 40.0 | 146 |
| 121-26-1 | 5 | 26 | 34.0 | 17.8 | 29.1 | 42.0 | 192 |
| 121-27-1 | 5 | 27 | 36.0 | 17.8 | 30.1 | 42.0 | 211 |
| 121-28-1 | 5 | 28 | 38.0 | 17.8 | 32.1 | 42.0 | 212 |
| 121-30-1 | 5 | 30 | 40.0 | 17.8 | 34.1 | 44.0 | 214 |
| 121-32-1 | 5 | 32 | 42.0 | 17.8 | 36.1 | 44.0 | 217 |
| 121-34-1 | 5 | 34 | 50.0 | 18.0 | 38.0 | 44.0 | 260 |
| 121-36-1 | 5 | 36 | 52.0 | 18.2 | 40.0 | 45.0 | 300 |

1/2" BIHEXAGONAL SOCKETS



- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN 3120, DIN 3124

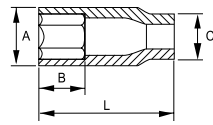
| R | Icon | mm | A mm | B mm | C mm | L mm | g |
|----------|------|----|------|------|------|------|-----|
| 122-08-1 | 5 | 8 | 14.8 | 13.0 | 22.0 | 38.0 | 50 |
| 122-09-1 | 5 | 9 | 15.3 | 13.0 | 22.0 | 38.0 | 48 |
| 122-10-1 | 5 | 10 | 15.3 | 13.0 | 22.0 | 38.0 | 49 |
| 122-11-1 | 5 | 11 | 16.5 | 13.0 | 22.0 | 38.0 | 50 |
| 122-12-1 | 5 | 12 | 17.8 | 13.0 | 22.0 | 38.0 | 52 |
| 122-13-1 | 5 | 13 | 19.0 | 13.0 | 22.0 | 38.0 | 54 |
| 122-14-1 | 5 | 14 | 20.3 | 13.0 | 22.0 | 38.0 | 56 |
| 122-15-1 | 5 | 15 | 22.0 | 17.8 | 20.5 | 38.0 | 57 |
| 122-16-1 | 5 | 16 | 22.0 | 17.8 | 20.5 | 38.0 | 71 |
| 122-17-1 | 5 | 17 | 24.0 | 17.8 | 21.9 | 38.0 | 72 |
| 122-18-1 | 5 | 18 | 25.0 | 17.8 | 22.9 | 38.0 | 90 |
| 122-19-1 | 5 | 19 | 26.0 | 17.8 | 22.9 | 38.0 | 84 |
| 122-20-1 | 5 | 20 | 28.0 | 17.8 | 23.9 | 38.0 | 87 |
| 122-21-1 | 5 | 21 | 28.0 | 17.8 | 23.9 | 38.0 | 95 |
| 122-22-1 | 5 | 22 | 30.0 | 17.8 | 26.1 | 38.0 | 97 |
| 122-23-1 | 5 | 23 | 32.0 | 17.8 | 28.1 | 38.0 | 103 |
| 122-24-1 | 5 | 24 | 32.0 | 17.8 | 28.1 | 38.0 | 109 |
| 122-27-1 | 5 | 27 | 36.0 | 17.8 | 30.1 | 42.0 | 211 |
| 122-30-1 | 5 | 30 | 40.0 | 17.8 | 34.1 | 44.0 | 214 |
| 122-32-1 | 5 | 32 | 42.0 | 17.8 | 36.1 | 44.0 | 217 |
| 122-34-1 | 5 | 34 | 44.0 | 17.8 | 37.1 | 45.0 | 220 |
| 122-36-1 | 5 | 36 | 44.0 | 17.8 | 38.1 | 44.0 | 220 |



| R | Icon | in | A mm | B mm | C mm | L mm | g |
|-----------|------|---------|------|------|------|------|-----|
| 122A-10-1 | 5 | 5/16" | 14.8 | 13.0 | 22.0 | 38.0 | 50 |
| 122A-11-1 | 5 | 11/32" | 15.3 | 13.0 | 22.0 | 38.0 | 48 |
| 122A-12-1 | 5 | 3/8" | 15.5 | 13.0 | 22.0 | 38.0 | 45 |
| 122A-14-1 | 5 | 7/16" | 16.7 | 13.0 | 22.0 | 38.0 | 49 |
| 122A-16-1 | 5 | 1/2" | 19.2 | 13.0 | 22.0 | 38.0 | 54 |
| 122A-18-1 | 5 | 9/16" | 20.5 | 13.0 | 22.0 | 38.0 | 55 |
| 122A-20-1 | 5 | 5/8" | 22.0 | 17.8 | 20.6 | 38.0 | 69 |
| 122A-22-1 | 5 | 11/16" | 24.0 | 17.8 | 21.9 | 38.0 | 71 |
| 122A-24-1 | 5 | 3/4" | 26.0 | 17.8 | 22.9 | 38.0 | 75 |
| 122A-26-1 | 5 | 13/16" | 28.0 | 17.8 | 23.9 | 38.0 | 76 |
| 122A-28-1 | 5 | 7/8" | 30.0 | 17.8 | 26.1 | 38.0 | 88 |
| 122A-30-1 | 5 | 15/16" | 32.0 | 17.8 | 28.1 | 38.0 | 104 |
| 122A-34-1 | 5 | 1.1/16" | 36.0 | 17.8 | 30.1 | 42.0 | 141 |
| 122A-38-1 | 5 | 1.3/16" | 40.0 | 17.8 | 34.1 | 44.0 | 214 |
| 122A-40-1 | 5 | 1.1/4" | 42.0 | 17.8 | 36.1 | 44.0 | 233 |

1/2" SQUARE DRIVE DEEP SOCKETS WITH METRIC HEX PROFILE

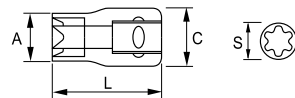
6 mm



- 1/2" Deep sockets, Hexagonal, sizes in mm
- Chrome vanadium alloy steel
- Knurled shank for finger turning of free running fasteners
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN 3120, DIN 3124

| R | Icon | Hex Size | A mm | B mm | C mm | L mm | g |
|----------|------|----------|------|------|------|------|-----|
| 123-10-1 | 5 | 10 | 15.3 | 27.0 | 22.0 | 78.0 | 78 |
| 123-12-1 | 5 | 12 | 17.8 | 27.0 | 22.0 | 78.0 | 103 |
| 123-13-1 | 5 | 13 | 19.0 | 27.0 | 22.0 | 78.0 | 108 |
| 123-14-1 | 5 | 14 | 20.3 | 27.0 | 22.0 | 78.0 | 109 |
| 123-15-1 | 5 | 15 | 22.0 | 31.0 | 22.0 | 78.0 | 113 |
| 123-16-1 | 5 | 16 | 22.0 | 31.0 | 22.0 | 78.0 | 115 |
| 123-17-1 | 5 | 17 | 24.0 | 31.0 | 22.0 | 78.0 | 123 |
| 123-18-1 | 5 | 18 | 25.0 | 31.0 | 22.8 | 78.0 | 149 |
| 123-19-1 | 5 | 19 | 26.0 | 31.0 | 22.8 | 78.0 | 138 |
| 123-21-1 | 5 | 21 | 28.0 | 31.0 | 23.8 | 78.0 | 151 |
| 123-22-1 | 5 | 22 | 30.0 | 31.0 | 26.0 | 78.0 | 190 |
| 123-24-1 | 5 | 24 | 32.0 | 31.0 | 28.0 | 78.0 | 220 |

1/2" SOCKETS, TORX®

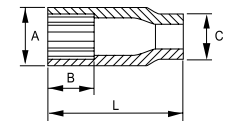


- Standard: DIN 3120

| R | Icon | Hex Size | S mm | A mm | C mm | L mm | g |
|----------|------|----------|------|------|------|------|-----|
| 126-10-1 | 5 | E-10 | 9.4 | 14.7 | 22.0 | 38.0 | 55 |
| 126-11-1 | 5 | E-11 | 10.0 | 15.2 | 22.0 | 38.0 | 53 |
| 126-12-1 | 5 | E-12 | 11.1 | 16.0 | 22.0 | 38.0 | 57 |
| 126-14-1 | 5 | E-14 | 12.9 | 17.0 | 22.0 | 38.0 | 59 |
| 126-16-1 | 5 | E-16 | 14.7 | 22.0 | 20.1 | 38.0 | 65 |
| 126-18-1 | 5 | E-18 | 16.6 | 24.0 | 21.8 | 38.0 | 77 |
| 126-20-1 | 5 | E-20 | 18.4 | 24.0 | 21.8 | 38.0 | 73 |
| 126-24-1 | 5 | E-24 | 22.1 | 28.0 | 23.8 | 38.0 | 110 |

1/2" BIHEXAGONAL DEEP SOCKETS

12 mm



- 1/2" Sockets, long
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Wave shape profile NPP
- Standards: DIN 3120, DIN 3124

| R | Icon | Hex Size | A mm | B mm | C mm | L mm | g |
|----------|------|----------|------|------|------|------|-----|
| 124-10-1 | 5 | 10 | 15.3 | 27.0 | 22.0 | 78.0 | 78 |
| 124-11-1 | 5 | 11 | 16.5 | 27.0 | 22.0 | 78.0 | 86 |
| 124-12-1 | 5 | 12 | 17.8 | 27.0 | 22.0 | 78.0 | 103 |
| 124-13-1 | 5 | 13 | 19.0 | 27.0 | 22.0 | 78.0 | 108 |
| 124-14-1 | 5 | 14 | 20.3 | 27.0 | 22.0 | 78.0 | 109 |
| 124-15-1 | 5 | 15 | 22.0 | 31.0 | 22.0 | 78.0 | 113 |
| 124-16-1 | 5 | 16 | 22.0 | 31.0 | 22.0 | 78.0 | 115 |
| 124-17-1 | 5 | 17 | 24.0 | 31.0 | 22.0 | 78.0 | 123 |
| 124-18-1 | 5 | 18 | 25.0 | 31.0 | 22.8 | 78.0 | 149 |
| 124-19-1 | 5 | 19 | 26.0 | 31.0 | 22.8 | 78.0 | 135 |
| 124-21-1 | 5 | 21 | 28.0 | 31.0 | 23.8 | 78.0 | 151 |
| 124-22-1 | 5 | 22 | 30.0 | 31.0 | 26.0 | 78.0 | 190 |
| 124-24-1 | 5 | 24 | 32.0 | 31.0 | 28.0 | 78.0 | 220 |
| 124-27-1 | 5 | 27 | 36.0 | 31.0 | 30.0 | 78.0 | 250 |
| 124-30-1 | 5 | 30 | 40.0 | 31.0 | 34.0 | 78.0 | 341 |
| 124-32-1 | 5 | 32 | 42.0 | 31.0 | 36.0 | 78.0 | 382 |

12 in

| R | Icon | Hex Size | A mm | B mm | C mm | L mm | g |
|-----------|------|----------|------|------|------|------|-----|
| 124A-18-1 | 5 | 9/16" | 22.0 | 31.0 | 22.0 | 78.0 | 113 |
| 124A-20-1 | 5 | 5/8" | 22.0 | 31.0 | 22.0 | 78.0 | 115 |
| 124A-22-1 | 5 | 11/16" | 25.0 | 31.0 | 22.8 | 78.0 | 149 |
| 124A-24-1 | 5 | 3/4" | 26.0 | 31.0 | 22.8 | 78.0 | 135 |
| 124A-26-1 | 5 | 13/16" | 28.0 | 31.0 | 23.8 | 78.0 | 151 |



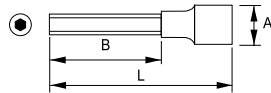
1/2" BIT DRIVERS

1/2" BIT DRIVER, HEXAGONAL



- Hexagonal bit driver
- Standard: DIN 3120 / ISO 1174

| Part No. | Box | Icon | A mm | B mm | L mm | g |
|----------|-----|------|------|------|------|-----|
| 180-04-1 | 5 | 4 | 21.8 | 22 | 60 | 70 |
| 180-05-1 | 5 | 5 | 21.8 | 22 | 60 | 71 |
| 180-06-1 | 5 | 6 | 21.8 | 22 | 60 | 72 |
| 180-07-1 | 5 | 7 | 21.8 | 22 | 60 | 72 |
| 180-08-1 | 5 | 8 | 21.8 | 22 | 60 | 73 |
| 180-10-1 | 5 | 10 | 21.8 | 22 | 60 | 81 |
| 180-12-1 | 5 | 12 | 21.8 | 22 | 60 | 89 |
| 180-14-1 | 5 | 14 | 21.8 | 22 | 60 | 96 |
| 180-17-1 | 5 | 17 | 23.8 | 22 | 60 | 100 |
| 180-19-1 | 5 | 19 | 23.8 | 22 | 60 | 100 |



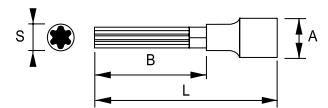
| Part No. | Box | Icon | A mm | B mm | L mm | g |
|-----------|-----|------|------|------|------|-----|
| 180-05X-1 | 5 | 5 | 21.8 | 62 | 100 | 89 |
| 180-06X-1 | 5 | 6 | 21.8 | 62 | 100 | 90 |
| 180-07X-1 | 5 | 7 | 21.8 | 62 | 100 | 91 |
| 180-08X-1 | 5 | 8 | 21.8 | 62 | 100 | 91 |
| 180-10X-1 | 5 | 10 | 21.8 | 62 | 100 | 109 |
| 180-12X-1 | 5 | 12 | 21.8 | 62 | 100 | 130 |

1/2" BIT DRIVER, TORX®



- TORX® Bit driver
- Standard: DIN 3120 / ISO 1174

| Part No. | Box | Icon | S mm | A mm | B mm | L mm | g |
|----------|-----|------|-------|------|------|------|----|
| 183-20-1 | 5 | T20 | 3.84 | 21.8 | 22 | 60 | 69 |
| 183-25-1 | 5 | T25 | 4.40 | 21.8 | 22 | 60 | 69 |
| 183-27-1 | 5 | T27 | 4.96 | 21.8 | 22 | 60 | 70 |
| 183-30-1 | 5 | T30 | 5.49 | 21.8 | 22 | 60 | 70 |
| 183-40-1 | 5 | T40 | 6.60 | 21.8 | 22 | 60 | 70 |
| 183-45-1 | 5 | T45 | 7.77 | 21.8 | 22 | 60 | 70 |
| 183-50-1 | 5 | T50 | 8.79 | 21.8 | 22 | 60 | 71 |
| 183-55-1 | 5 | T55 | 11.17 | 21.8 | 22 | 60 | 76 |
| 183-60-1 | 5 | T60 | 13.20 | 21.8 | 22 | 60 | 81 |



| Part No. | Box | Icon | S mm | A mm | B mm | L mm | g |
|-----------|-----|------|-------|------|------|------|-----|
| 183-40X-1 | 5 | T40 | 6.60 | 21.8 | 82 | 120 | 95 |
| 183-45X-1 | 5 | T45 | 7.77 | 21.8 | 82 | 120 | 96 |
| 183-50X-1 | 5 | T50 | 8.79 | 21.8 | 82 | 120 | 98 |
| 183-55X-1 | 5 | T55 | 11.17 | 21.8 | 102 | 140 | 117 |

1/2" HEX BIT DRIVERS SOCKET SET



- 9 pcs bit driver set 1/2"
- Metric hexagonal bits
- Bright chrome socket
- Black finish bit
- Standard: DIN 3120 / ISO 1174
- Box in high density polyethylene

| Part No. | Box | Icon | Dimensions | g |
|----------|-----|------|----------------|-------|
| 129-9H-4 | 1 | 9 | 55 x 200 x 160 | 1.080 |

180-04-1, 180-05-1, 180-06-1, 180-07-1, 180-08-1, 180-10-1, 180-12-1, 180-14-1, 180-17-1

1/2" TORX® BIT DRIVER SOCKET SET



- 9 pcs bit driver set 1/2"
- TORX® bits
- Bright chrome socket
- Black finish bit
- Standard: DIN 3120 / ISO 1174
- Box in high density polyethylene

| Part No. | Box | Icon | Dimensions | g |
|----------|-----|------|----------------|-------|
| 129-9T-4 | 1 | 9 | 55 x 200 x 160 | 1.140 |

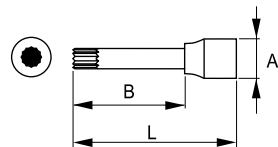
183-20-1, 183-25-1, 183-27-1, 183-30-1, 183-40-1, 183-45-1, 183-50-1, 183-55-1, 183-60-1

1/2" BIT DRIVER, XZN



- XZN Bit driver
- Standard: DIN 3120 / ISO 1174

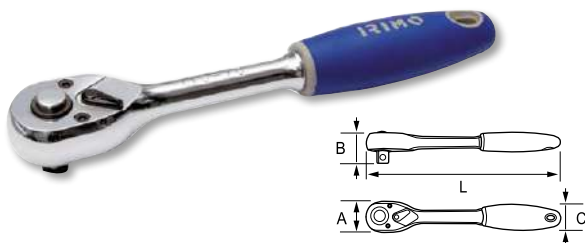
| Code | Box | Size | A mm | B mm | L mm | g |
|----------|-----|------|------|------|------|----|
| 185-05-1 | 5 | M 5 | 21.8 | 22 | 60 | 67 |
| 185-06-1 | 5 | M 6 | 21.8 | 22 | 60 | 69 |
| 185-08-1 | 5 | M 8 | 21.8 | 22 | 60 | 69 |
| 185-10-1 | 5 | M 10 | 21.8 | 22 | 60 | 77 |
| 185-12-1 | 5 | M 12 | 21.8 | 22 | 60 | 85 |
| 185-14-1 | 5 | M 14 | 21.8 | 22 | 60 | 90 |
| 185-16-1 | 5 | M 16 | 21.8 | 22 | 60 | 95 |



| Code | Box | Size | A mm | B mm | L mm | g |
|-----------|-----|------|------|------|------|-----|
| 185-06X-1 | 5 | M 6 | 21.8 | 62 | 100 | 87 |
| 185-08X-1 | 5 | M 8 | 21.8 | 62 | 100 | 89 |
| 185-10X-1 | 5 | M 10 | 21.8 | 62 | 100 | 105 |
| 185-12X-1 | 5 | M 12 | 21.8 | 62 | 100 | 123 |

1/2" ACCESSORIES

1/2" REVERSIBLE RATCHET



- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standard: DIN 3122, DIN 3120

| Code | Box | A mm | B mm | C mm | L mm | g |
|----------|-----|------|------|------|------|-----|
| 125-70-1 | 5 | 42 | 41 | 36 | 262 | 591 |

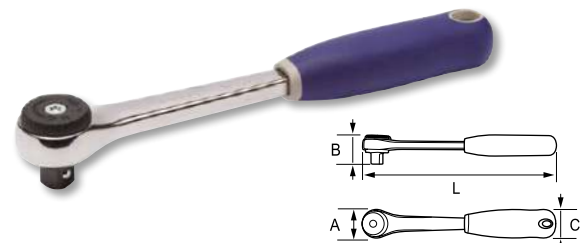
1/2" SOCKET DRIVERS FOR TORX® TAMPER SCREWS



- 1/2" socket drivers for TORX® tamper screws
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| Code | Box | Size | Size | L mm | L1 mm | g |
|----------|-----|------|------|------|-------|-----|
| T49T30XL | 1 | TR30 | 1/2" | 200 | 160 | 122 |
| T49T40XL | 1 | TR40 | 1/2" | 200 | 160 | 123 |
| T49T45XL | 1 | TR45 | 1/2" | 200 | 160 | 125 |
| T49T70HL | 1 | TR70 | 1/2" | 100 | 60 | 167 |
| T49T80HL | 1 | TR80 | 1/2" | 100 | 30 | 163 |

1/2" REVERSIBLE RATCHET



- 72 teeth / 5° action
- High performance alloy steel
- Chrome-plated high polished finish
- 2-component handle
- Cushion thermo rubber grip
- Standards: DIN 3122, DIN 3120, ISO 3315, UNE 16512
- * 125701 Repair Kit

| Code | Box | A mm | B mm | C mm | L mm | g |
|--------|-----|------|------|------|------|-----|
| 125501 | 1 | 39 | 41 | 30 | 251 | 614 |



1/2" ACCESSORIES

RATCHET EXHIBITOR WITH 12 1/2" RATCHETS



- Reversible ratchet
- 72 teeth / 5° action
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- 2-component handle
- Cushion thermo rubber grip
- Standard: DIN 3122, DIN 3120
- Use part number 125-70-1 to order individual ratchets

| | | | | |
|---------------|---|----|-----------------|-------|
| | | | | |
| 125-70-12DISP | 1 | 12 | 225 x 295 x 220 | 7.852 |

1/2" HEXAGONAL SOCKET SET IN RAIL, 10 pieces

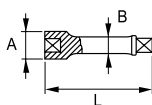


- 1/2" Socket set in display
- 10 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome plated bright finish
- Standard: DIN 3120, DIN 3124, DIN 3122
- Hang sell presentation

| | | | | |
|----------|---|----|---------------|-----|
| | | | | |
| 129-10-4 | 5 | 10 | 360 x 90 x 15 | 800 |

121-10-1, 121-12-1, 121-13-1, 121-14-1, 121-16-1, 121-17-1, 121-19-1, 121-21-1, 121-22-1, 121-24-1

1/2" EXTENSIONS



- Standards: DIN 3120, DIN 3122

| | | | | | |
|----------|---|------|------|------|-----|
| | | A mm | B mm | L mm | |
| 125-22-1 | 5 | 22.4 | 15.7 | 75 | 120 |
| 125-23-1 | 5 | 22.4 | 15.7 | 125 | 193 |
| 125-25-1 | 5 | 22.4 | 15.7 | 250 | 380 |

1/2" SOCKET SET, HEXAGONAL AND METRIC



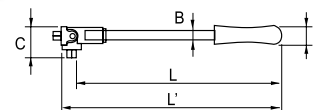
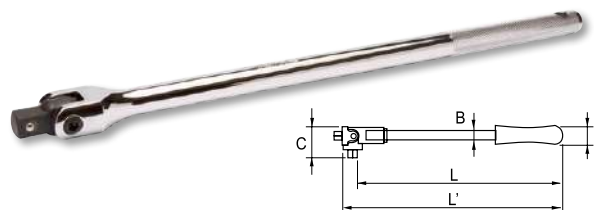
- 12 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Hang sell presentation
- * Counter display when ordering 8 pieces

| | | | | |
|----------|---|----|----------------|-------|
| | | | | |
| 129-12-4 | 8 | 12 | 330 x 100 x 50 | 1.600 |

125-70-1 125-23-1

121-10-1, 121-12-1, 121-13-1, 121-14-1, 121-16-1, 121-17-1, 121-19-1, 121-21-1, 121-22-1, 121-24-1

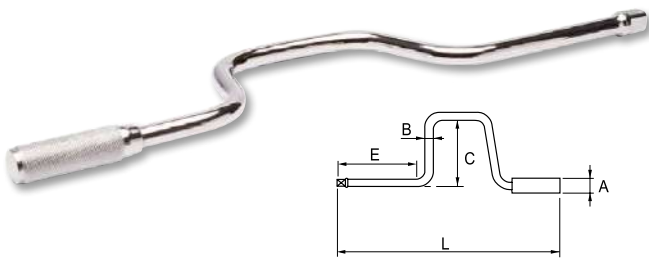
1/2" SWIVEL HANDLE



- Standard: DIN 3120

| | | | | | | | |
|----------|---|------|------|------|-------|-------|-----|
| | | A mm | B mm | C mm | L' mm | L mm | |
| 125-52-1 | 5 | 35 | 12 | 40 | 375 | 355.0 | 692 |

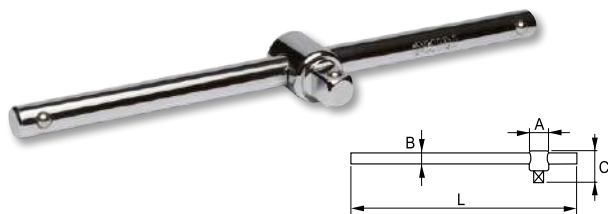
1/2" SPEED BRACE



• Standards: DIN 3120, DIN 3122

| Part No. | Box Icon | A mm | B mm | C mm | E mm | L mm | g |
|----------|----------|------|------|------|------|------|-----|
| 125-49-1 | 5 | 31.0 | 12.7 | 75 | 152 | 420 | 575 |

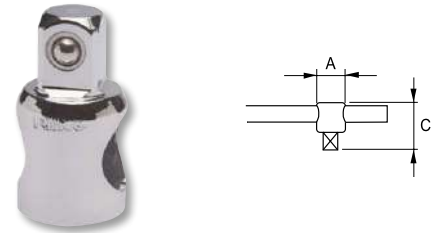
1/2" SLIDING T-HANDLE



• Standards: DIN 3120, DIN 3122

| Part No. | Box Icon | A mm | B mm | C mm | L mm | g |
|----------|----------|------|------|------|------|-----|
| 125-42-1 | 5 | 23.5 | 13.5 | 45 | 250 | 272 |

1/2" T-HANDLE HEAD



• Sliding T handle head
• Standard: DIN 3120

| Part No. | Box Icon | A mm | C mm | g |
|----------|----------|------|------|----|
| 125-43-1 | 5 | 24.0 | 44 | 73 |

1/2"-3/8" REDUCING ADAPTOR



• Reducing adaptor 1/2" to 3/8"
• Standards: DIN 3120, DIN 3122

| Part No. | Box Icon | A mm | L mm | g |
|----------|----------|------|------|----|
| 125-46-1 | 5 | 22.0 | 35.5 | 45 |

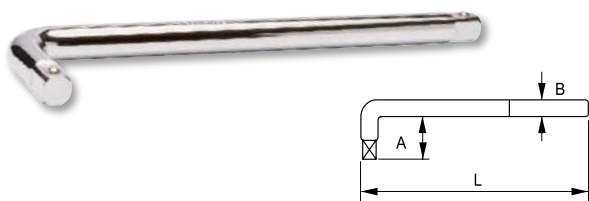
1/2"-3/4" INCREASING ADAPTOR



• Increasing adaptor 1/2" to 3/4"
• Standards: DIN 3120, DIN 3122

| Part No. | Box Icon | A mm | L mm | g |
|----------|----------|------|------|-----|
| 125-44-1 | 5 | 25.0 | 50.0 | 140 |

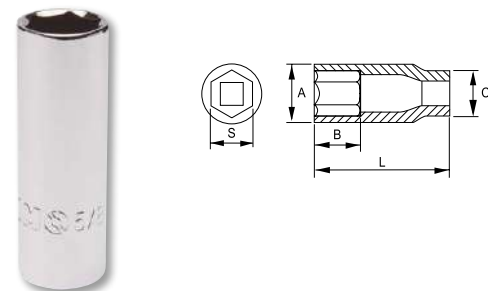
1/2" L-HANDLE



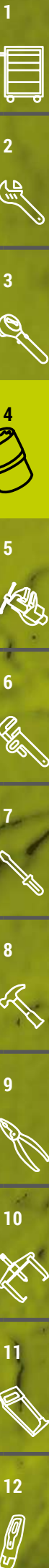
• Standards: DIN 3120, DIN 3122

| Part No. | Box Icon | A mm | B mm | L mm | g |
|----------|----------|------|------|------|-----|
| 125-60-1 | 5 | 46 | 14 | 250 | 456 |

1/2" SPARK PLUG SOCKET



| Part No. | Box Icon | S mm | A mm | B mm | C mm | L mm | g |
|----------|----------|-------------|------|------|------|------|-----|
| 125-53-1 | 5 | 5/8" - 16 | 22.0 | 32.0 | 22.0 | 65.0 | 90 |
| 125-54-1 | 5 | 13/16" - 21 | 28.0 | 31.0 | 24.0 | 65.0 | 146 |



1/2" ACCESSORIES

1/2" UNIVERSAL JOINT



- Standards: DIN 3120, DIN 3122

| R | Icon | A mm | L mm | g |
|----------|------|------|------|-----|
| 125-40-1 | 5 | 23.8 | 72.0 | 146 |

1/2" BIT HOLDER



- 1/2" female square to 5/16" female hex
- Standard: DIN 3120

| R | Icon | Hex | A mm | L mm | g |
|----------|------|-------|------|------|----|
| 125-48-1 | 5 | 5/16" | 17.0 | 38.5 | 56 |

1/2" SOCKET SETS

1/2" SOCKET SET, HEXAGONAL AND METRIC



- 23 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks

| R | Icon | Quantity | Dimensions | Weight |
|----------|------|----------|------------|--------|
| 129-23-4 | 1 | 23 | 320x250x75 | 3.500 |

| | | | |
|----------|------|----------|------|
| 125-70-1 | Icon | 125-43-1 | Icon |
|----------|------|----------|------|

| | | | |
|----------|------|----------|------|
| 125-25-1 | Icon | 125-23-1 | Icon |
|----------|------|----------|------|

| | |
|----------|------|
| 125-40-1 | Icon |
|----------|------|

121-08-1, 121-10-1, 121-12-1, 121-13-1, 121-14-1, 121-16-1, 121-17-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-23-1, 121-24-1, 121-26-1, 121-27-1, 121-28-1, 121-30-1, 121-32-1

1/2" SOCKET SET, HEXAGONAL AND METRIC



- 33 pcs sockets and wrenches set
- Hex sockets, metric sizes
- Combination wrenches, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks

| R | Icon | Quantity | Dimensions | Weight |
|-----------|------|----------|------------|--------|
| 129-33W-4 | 1 | 33 | 320x250x75 | 5.020 |

| | | | |
|----------|------|----------|------|
| 125-70-1 | Icon | 125-43-1 | Icon |
|----------|------|----------|------|

| | | | |
|----------|------|----------|------|
| 125-25-1 | Icon | 125-23-1 | Icon |
|----------|------|----------|------|

| | |
|----------|------|
| 125-40-1 | Icon |
|----------|------|

25-08-1, 25-09-1, 25-10-1, 25-11-1, 25-12-1, 25-13-1, 25-14-1, 25-15-1, 25-17-1, 25-19-1

121-08-1, 121-10-1, 121-12-1, 121-13-1, 121-14-1, 121-16-1, 121-17-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-23-1, 121-24-1, 121-26-1, 121-27-1, 121-28-1, 121-30-1, 121-32-1

1/4"-1/2" SOCKET SET, HEXAGONAL AND METRIC

1/4" 1/2" mm



- 58 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks

| Part No. | Qty | Weight (g) | Dimensions (mm) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|-----------------|
| 129-58-4 | 1 | 58 | 380x280x80 |
| 105-50-1 | | 105-70-1 | |
| 105-42-1 | | 105-40-1 | |
| 105-22-1 | | 105-24-1 | |
| 125-70-1 | | 125-43-1 | |
| 125-25-1 | | 125-40-1 | |
| 125-23-1 | | | |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1 | | | |
| 121-08-1, 121-10-1, 121-12-1, 121-13-1, 121-14-1, 121-16-1, 121-17-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-23-1, 121-24-1, 121-26-1, 121-27-1, 121-28-1, 121-30-1, 121-32-1 | | | |
| 040001, 040011, 040021 | | | |
| 475-PH1-1, 475-PH2-1, 475-PH3-1 | | | |
| 475-PZ1-1, 475-PZ2-1, 475-PZ3-1 | | | |
| 475-3-1, 475-4-1, 475-5.5-1 | | | |
| 475-H3-1, 475-H4-1, 475-H5-1, 475-H6-1 | | | |

1/4"-1/2" SOCKET SET, HEXAGONAL, INCHES

1/4" 1/2" in



- 53 pcs socket set
- Hexagonal sockets, AF
- Bright chrome plating finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks

| Part No. | Qty | Weight (g) | Dimensions (mm) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|-----------------|
| 129A-53-4 | 1 | 53 | 380x280x80 |
| 105-48-1 | | 105-70-1 | |
| 105-42-1 | | 105-50-1 | |
| 105-22-1 | | 105-24-1 | |
| 105-40-1 | | 125-70-1 | |
| 125-25-1 | | 125-43-1 | |
| 125-23-1 | | 125-40-1 | |
| 101A-05-1, 101A-06-1, 101A-07-1, 101A-08-1, 101A-09-1, 101A-10-1, 101A-11-1, 101A-12-1, 101A-14-1, 101A-16-1, 101A-18-1 | | | |
| 122A-10-1, 122A-11-1, 122A-12-1, 122A-14-1, 122A-16-1, 122A-18-1, 122A-20-1, 122A-22-1, 122A-24-1, 122A-26-1, 122A-28-1, 122A-30-1, 122A-34-1, 122A-38-1, 122A-40-1 | | | |
| 040001, 040011, 040021 | | | |
| 475-PH1-1, 475-PH2-1, 475-PH3-1 | | | |
| 475-PZ1-1, 475-PZ2-1, 475-PZ3-1 | | | |
| 475-3-1, 475-4-1, 475-5.5-1 | | | |
| 1/4" Hex 1/8", 5/32", 3/16", 7/32" AF | | | |



1/2" SOCKET SETS

1/4"-1/2" SOCKET SET, HEXAGONAL AND METRIC



- 108 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome plated, bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122, ISO 10102
- Box in high density polyethylene
- Box with metal locks

| R | Box | Qty | Dimensions | Weight |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------|--------|
| 129-108-4 | 1 | 108 | 380x280x80 | 7.100 |
| 105-48-1 | | | 105-70-1 | |
| 125-42-1 | | | 105-50-1 | |
| 105-22-1 | | | 105-40-1 | |
| 105-24-1 | | | 125-70-1 | |
| 125-48-1 | | | 125-43-1 | |
| 125-25-1 | | | 125-23-1 | |
| 125-40-1 | | | | |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1 | | | 1/4" | |
| 103-06-1, 103-07-1, 103-08-1, 103-09-1, 103-10-1, 103-12-1, 103-13-1 | | | 1/4" | |
| 106-04-1, 106-05-1, 106-06-1, 106-07-1, 106-08-1 | | | | |
| 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-15-1, 121-16-1, 121-17-1, 121-18-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1 | | | 1/2" | |
| 126-10-1, 126-11-1, 126-12-1, 126-14-1, 126-16-1, 126-18-1, 126-20-1, 126-24-1 | | | | |
| 124-14-1, 124-15-1, 124-17-1, 124-19-1, 124-22-1 | | | 1/2" | |
| 125-53-1, 125-54-1 | | | | |
| 107-T08-1, 107-T10-1, 107-T15-1, 107-T20-1, 107-T25-1, 107-T27-1, 107-T30-1 | | | | |
| 107-H3-1, 107-H4-1, 107-H5-1, 107-H6-1 | | | | |
| 107-PH1-1, 107-PH2-1 | | | | |
| 107-PZ1-1, 107-PZ2-1 | | | | |
| 107-0840-1, 107-1055-1, 107-1280-1 | | | | |
| 040001, 040011, 040021 | | | | |
| 045801, 045811, 045821 | | | | |
| 470-10.0-1, 470-12.0-1, 470-8.0-1 | | | | |
| 470-H10-1, 470-H7-1, 470-H8-1 | | | | |
| 470-PH3-1, 470-PH4-1 | | | | |
| 470-T40-1, 470-T45-1, 470-T50-1, 470-T55-1, 470-T60-1 | | | | |
| 470-PZ3-1, 470-PZ4-1 | | | | |

1/4"-1/2" SOCKET SET, HEXAGONAL, INCHES



- 103 pcs socket set, AF sizes
- Hexagonal sockets
- Bright chrome plating finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks

| R | Box | Qty | Dimensions | Weight |
|--------------------------------------------------------------------------------------------------------------|-----|-----|------------|--------|
| 129A-103-4 | 1 | 103 | 380x280x80 | 7.000 |
| 105-40-1 | | | 105-70-1 | |
| 105-42-1 | | | 105-50-1 | |
| 105-22-1 | | | 105-24-1 | |
| 125-70-1 | | | 125-43-1 | |
| 125-25-1 | | | 125-40-1 | |
| 125-23-1 | | | 125-48-1 | |
| 101A-05-1, 101A-06-1, 101A-07-1, 101A-08-1, 101A-10-1, 101A-11-1, 101A-12-1, 101A-14-1, 101A-16-1, 101A-18-1 | | | 1/4" | |
| 103A-06-1, 103A-08-1, 103A-09-1, 103A-10-1, 103A-11-1, 103A-12-1, 103A-14-1, 103A-16-1 | | | 1/4" | |
| 106-04-1, 106-05-1, 106-06-1, 106-07-1, 106-08-1 | | | | |
| 122A-12-1, 122A-14-1, 122A-16-1, 122A-18-1, 122A-20-1, 122A-22-1, 122A-24-1, 122A-26-1, 122A-28-1, 122A-40-1 | | | 1/2" | |
| 124A-18-1, 124A-20-1, 124A-22-1, 124A-24-1, 124A-26-1 | | | 1/2" | |
| 126-10-1, 126-11-1, 126-12-1, 126-14-1, 126-16-1, 126-18-1, 126-20-1, 126-24-1 | | | | |
| 125-53-1, 125-54-1 | | | | |
| 107-T08-1, 107-T09-1, 107-T10-1, 107-T15-1, 107-T20-1, 107-T25-1, 107-T27-1, 107-T30-1 | | | | |
| 107A-4-1, 107A-5-1, 107A-6-1, 107A-7-1 | | | | |
| 107-PH1-1, 107-PH2-1 | | | | |
| 107-PZ1-1, 107-PZ2-1 | | | | |
| 107-0840-1, 107-1055-1, 107-1280-1 | | | | |
| 040001, 040011, 040021 | | | | |
| 470-T40-1, 470-T45-1, 470-T50-1, 470-T55-1, 470-T60-1 | | | | |
| 470-10.0-1, 470-12.0-1, 470-8.0-1 | | | | |
| 470-H7-1, 470-H8-1, 470-H10-1, 470-H12-1, 470-H14-1 | | | | |
| 470-PH3-1, 470-PH4-1 | | | | |
| 470-PZ3-1, 470-PZ4-1 | | | | |

1/4"-1/2" SOCKET SET, HEXAGONAL AND METRIC



- 101 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks

| Part No. | Qty | Material | Dimensions | Weight |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|------------|--------|
| 129-101-4 | 1 | 101 | 380x280x80 | 7.000 |
| 105-48-1 | | | | |
| 125-42-1 | | | | |
| 105-22-1 | | | | |
| 105-24-1 | | | | |
| 125-70-1 | | | | |
| 125-25-1 | | | | |
| 125-23-1 | | | | |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1 | | | | 1/4" |
| 103-06-1, 103-07-1, 103-08-1, 103-10-1, 103-11-1, 103-12-1, 103-13-1, 103-14-1 | | | | 1/4" |
| 121-08-1, 121-10-1, 121-12-1, 121-13-1, 121-14-1, 121-16-1, 121-17-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-23-1, 121-24-1, 121-26-1, 121-27-1, 121-28-1, 121-30-1, 121-32-1 | | | | 1/2" |
| 124-13-1, 124-17-1, 124-19-1, 124-22-1 | | | | 1/2" |
| 107-T08-1, 107-T10-1, 107-T15-1, 107-T20-1, 107-T25-1, 107-T30-1 | | | | |
| 107-H3-1, 107-H 4-1, 107-H5-1, 107-H6-1 | | | | |
| 107-PH1-1, 107-PH2-1 | | | | |
| 107-PZ1-1, 107-PZ2-1 | | | | |
| 107-0840-1, 107-1055-1, 107-1280-1 | | | | |
| 040001, 040011, 040021 | | | | |
| 475-H3-1, 475-H4-1, 475-H5-1 | | | | |
| 475-T10-1, 475-T15-1, 475-T20-1, 475-T25-1, 475-T27-1, 475-T30-1 | | | | |
| 470-8.0-1, 470-10.0-1 | | | | |
| 470-H6-1, 470-H7-1, 470-H8-1, 470-H10-1 | | | | |
| 470-T30-1, 470-T40-1, 470-T45-1, 470-T50-1, 470-T55-1 | | | | |

SOCKET SET 1/4", 3/8" AND 1/2"



- 172 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome plated, bright finish
- DIN 3120, DIN 3124, DIN 3122, ISO 10102
- Box in high density polyethylene
- Box with metal locks

| Part No. | Qty | Material | Dimensions | Weight |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|-------------|--------|
| 129-172-4 | 1 | 172 | 100x500x370 | 9.650 |
| 105-48-1 | | | | |
| 105-42-1 | | | | |
| 105-22-1 | | | | |
| 105-24-1 | | | | |
| 115-22-1 | | | | |
| 115-40-1 | | | | |
| 125-70-1 | | | | |
| 125-25-1 | | | | |
| 125-23-1 | | | | |
| 101-04-1, 101-045-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1, 101-13-1, 101-14-1 | | | | 1/4" |
| 103-04-1, 103-05-1, 103-06-1, 103-07-1, 103-08-1, 103-09-1, 103-10-1 | | | | 1/4" |
| 106-04-1, 106-05-1, 106-06-1, 106-07-1, 106-08-1 | | | | |
| 112-10-1, 112-11-1, 112-12-1, 112-13-1, 112-14-1, 112-15-1, 112-16-1, 112-17-1, 112-18-1, 112-19-1 | | | | 3/8" |
| 113-10-1, 113-11-1, 113-12-1, 113-13-1, 113-14-1, 113-15-1 | | | | 3/8" |
| 126-20-1, 126-24-1 | | | | |
| 125-53-1, 125-54-1 | | | | |
| 121-10-1, 121-11-1, 121-12-1, 121-13-1, 121-14-1, 121-15-1, 121-16-1, 121-17-1, 121-18-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1 | | | | 1/2" |
| 107-T08-1, 107-T09-1, 107-T10-1, 107-T15-1, 107-T20-1, 107-T25-1, 107-T27-1, 107-T30-1 | | | | |
| 107-H3-1, 107-H4-1, 107-H5-1, 107-H6-1 | | | | |
| 107-PH0-1, 107-PH1-1, 107-PH2-1 | | | | |
| 107-PZ0-1, 107-PZ1-1, 107-PZ2-1 | | | | |
| 1/4" Drive bit socket: 4.5-5-6.5-7 mm | | | | |
| 1/4" Drive bit socket: T8H-T9H-T10H-T15H-T20H-T25H-T27H-T30H | | | | |
| 3/8" Drive E-Profile sockets: E10-E11-E12-E14-E16-E18 | | | | |
| 3/8" Drive Spark Plug Socket: 16 mm | | | | |
| 1/2" Drive Deep Socket: (6 PT) 16-17-18-19-22 mm | | | | 1/2" |
| Hex Key Wrench: 1.5-2-2.5-3-4-5-6 mm | | | | |
| 20 pcs 1/4" bit 25 mm L W/ Holder: T8-T9-T10-T15-T20-T25-T27-T30-T40-T45 / H3-H4-H5-H6 / PH0-PH1-PH2 / PZ0-PZ1-PZ2 | | | | |
| 24 pcs 8 mm Bit 30 mm L: T40-T45-T50-T55-T60-T70 / H7-H8-H10-H12-H14 / T40H-T45H-T50H-T55H-T60H-T70H / PH3-PH4 / PZ3-PZ4 / SL8-SL10-SL12 | | | | |



1/2" SOCKET SETS

SOCKET SET 1/4, 3/8 AND 1/2"

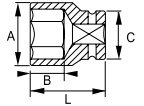


- 164 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with two extra locks to ensure the transport

| R | 📦 | 📦 | 📦 | 📦 |
|------------------------------------------------------------------------------------------------------------------------|---|-----|-------------|--------|
| 149-164-4 | 1 | 164 | 490x370x100 | 12.919 |
| 105-48-1 | | | 105-70-1 | |
| 105-24-1 | | | 105-50-1 | |
| 105-22-1 | | | 105-40-1 | |
| 115-70-1 | | | 115-40-1 | |
| 115-20-1 | | | 115-24-1 | |
| 115-44-1 | | | 115-46-1 | |
| 115-48-1 | | | 125-70-1 | |
| 125-23-1 | | | 125-25-1 | |
| 125-46-1 | | | 125-40-1 | |
| 601-200-1 | | | 612-160-1 | |
| 475R-1/4-30 | | | 48-9-H | |
| 475-5-1 | | | | |
| 101-04-1, 101-05-1, 101-055-1, 101-06-1, 101-07-1, 101-08-1, 101-09-1, 101-10-1, 101-11-1, 101-12-1 | | | | 1/4" |
| 103-04-1, 103-05-1, 103-06-1, 103-07-1, 103-08-1, 103-09-1, 103-10-1, 103-11-1, 103-12-1 | | | | 1/4" |
| 112-08-1, 112-09-1, 112-10-1, 112-11-1, 112-12-1, 112-13-1, 112-14-1, 112-15-1, 112-16-1, 112-17-1, 112-18-1, 112-19-1 | | | | 3/8" |
| 113-08-1, 113-09-1, 113-10-1, 113-11-1, 113-12-1, 113-13-1, 113-14-1, 113-15-1, 113-17-1, 113-19-1 | | | | 3/8" |
| 121-14-1, 121-17-1, 121-18-1, 121-19-1, 121-20-1, 121-21-1, 121-22-1, 121-24-1, 121-27-1, 121-30-1, 121-32-1 | | | | 1/2" |
| 124-12-1, 124-13-1, 124-14-1, 124-15-1, 124-17-1, 124-18-1, 124-19-1, 124-21-1, 124-22-1 | | | | 1/2" |
| 167-17-1, 167-19-1, 167-21-1, 167-23-1 | | | | 1/2" |
| 18-12-1, 18-13-1, 18-14-1 | | | | |
| 25-08-1, 25-09-1, 25-10-1, 25-11-1, 25-12-1, 25-13-1, 25-14-1, 25-17-1, 25-18-1, 25-19-1 | | | | |
| 475-T10-1, 475-T15-1, 475-T20-1, 475-T25-1, 475-T27-1, 475-T30-1, 475-T40-1 | | | | |
| 475-TR10-1, 475-TR15-1, 475-TR20-1, 475-TR25-1, 475-TR27-1, 475-TR30-1, 475-TR40-1 | | | | |
| 3/8" Drive Spark Plug Sockets: 16-21 mm | | | | |
| 3/8" Drive bit socket: 3-4-5-6 mm | | | | |
| 3/8" Drive bit sockets: PH1-PH2 | | | | |
| 3/8" Drive bit sockets: PZ1-PZ2 | | | | |
| 3/8" Drive bit sockets: TR10-TR15-TR20-TR25-TR30-TR40 | | | | |
| 3/8" TORX® sockets: E8, E10, E11, E12, E14, E16, E18, E20 | | | | |

3/4" SOCKETS

3/4" HEXAGONAL SOCKETS

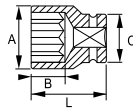


- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Hexagonal
- Wave shape profile NPP
- Standards: DIN 3124, DIN 3120

| R | 📦 | 📏 | A mm | B mm | C mm | L mm | 📦 |
|----------|---|----|------|------|------|------|-------|
| 131-19-1 | 1 | 19 | 30 | 12 | 36 | 50 | 200 |
| 131-21-1 | 1 | 21 | 32 | 12 | 36 | 50 | 215 |
| 131-22-1 | 1 | 22 | 33 | 12 | 36 | 50 | 215 |
| 131-23-1 | 1 | 23 | 34 | 14 | 36 | 50 | 215 |
| 131-24-1 | 1 | 24 | 34 | 16 | 36 | 50 | 215 |
| 131-25-1 | 1 | 25 | 38 | 16 | 36 | 50 | 220 |
| 131-26-1 | 1 | 26 | 38 | 16 | 36 | 52 | 220 |
| 131-27-1 | 1 | 27 | 38 | 18 | 36 | 52 | 240 |
| 131-28-1 | 1 | 28 | 38 | 18 | 36 | 52 | 250 |
| 131-29-1 | 1 | 29 | 42 | 18 | 38 | 52 | 260 |
| 131-30-1 | 1 | 30 | 42 | 20 | 38 | 52 | 275 |
| 131-32-1 | 1 | 32 | 44 | 22 | 38 | 52 | 310 |
| 131-33-1 | 1 | 33 | 46 | 22 | 38 | 55 | 340 |
| 131-34-1 | 1 | 34 | 46 | 22 | 38 | 57 | 330 |
| 131-35-1 | 1 | 35 | 48 | 24 | 42 | 57 | 380 |
| 131-36-1 | 1 | 36 | 50 | 24 | 42 | 57 | 415 |
| 131-38-1 | 1 | 38 | 52 | 26 | 44 | 57 | 455 |
| 131-40-1 | 1 | 40 | 56 | 27 | 44 | 63 | 505 |
| 131-41-1 | 1 | 41 | 56 | 27 | 44 | 63 | 545 |
| 131-42-1 | 1 | 42 | 58 | 27 | 44 | 63 | 600 |
| 131-46-1 | 1 | 46 | 62 | 30 | 44 | 68 | 650 |
| 131-50-1 | 1 | 50 | 68 | 33 | 44 | 72 | 755 |
| 131-55-1 | 1 | 55 | 75 | 36 | 48 | 75 | 1.000 |
| 131-60-1 | 1 | 60 | 80 | 39 | 48 | 77 | 1.100 |

3/4" BIHEXAGONAL SOCKETS

12 mm



- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Bi-Hexagonal
- Wave shape profile NPP
- Standards: DIN 3120, DIN 3124

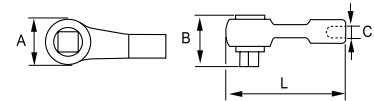
| R | Icon | Ø | A mm | B mm | C mm | L mm | g |
|-----------|------|----|------|------|------|------|-----|
| 131B-19-2 | 1 | 19 | 30 | 12 | 36 | 50 | 200 |
| 131B-21-2 | 1 | 21 | 32 | 12 | 36 | 50 | 215 |
| 131B-22-2 | 1 | 22 | 33 | 12 | 36 | 50 | 215 |
| 131B-23-2 | 1 | 23 | 34 | 14 | 36 | 50 | 215 |
| 131B-24-2 | 1 | 24 | 34 | 16 | 36 | 50 | 215 |
| 131B-26-2 | 1 | 26 | 38 | 16 | 36 | 52 | 220 |
| 131B-27-2 | 1 | 27 | 38 | 18 | 36 | 52 | 240 |
| 131B-29-2 | 1 | 29 | 42 | 18 | 38 | 52 | 260 |
| 131B-30-2 | 1 | 30 | 42 | 20 | 38 | 52 | 275 |
| 131B-32-2 | 1 | 32 | 44 | 22 | 38 | 52 | 310 |
| 131B-35-2 | 1 | 35 | 48 | 24 | 42 | 57 | 380 |
| 131B-36-2 | 1 | 36 | 50 | 24 | 42 | 57 | 415 |
| 131B-38-2 | 1 | 38 | 52 | 26 | 44 | 57 | 455 |
| 131B-41-2 | 1 | 41 | 56 | 27 | 44 | 63 | 545 |
| 131B-46-2 | 1 | 46 | 56 | 27 | 44 | 63 | 545 |
| 131B-50-2 | 1 | 50 | 67 | 29 | 46 | 72 | 715 |

12 in

| R | Icon | Ø | A mm | B mm | C mm | L mm | g |
|-----------|------|----------|------|------|------|------|-----|
| 132A-28-1 | 1 | 7/8" | 33 | 12 | 36 | 50 | 215 |
| 132A-30-1 | 1 | 15/16" | 35 | 16 | 36 | 50 | 215 |
| 132A-32-1 | 1 | 1" | 38 | 16 | 36 | 52 | 200 |
| 132A-34-1 | 1 | 1.1/16" | 38 | 18 | 36 | 54 | 240 |
| 132A-36-1 | 1 | 1.1/8" | 42 | 18 | 38 | 55 | 280 |
| 132A-40-1 | 1 | 1.1/4" | 44 | 22 | 38 | 55 | 310 |
| 132A-42-1 | 1 | 1.5/16" | 46 | 22 | 38 | 57 | 340 |
| 132A-44-1 | 1 | 1.3/8" | 48 | 24 | 42 | 57 | 380 |
| 132A-46-1 | 1 | 1.7/16" | 50 | 24 | 42 | 57 | 415 |
| 132A-48-1 | 1 | 1.1/2" | 52 | 26 | 44 | 57 | 455 |
| 132A-52-1 | 1 | 1.5/8" | 56 | 27 | 44 | 63 | 545 |
| 132A-54-1 | 1 | 1.11/16" | 58 | 27 | 44 | 63 | 600 |
| 132A-60-1 | 1 | 1.7/8" | 65 | 30 | 44 | 68 | 700 |
| 132A-64-1 | 1 | 2" | 68 | 33 | 44 | 72 | 755 |

3/4" ACCESSORIES

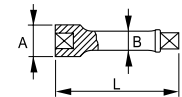
3/4" REVERSIBLE RATCHET HEAD



- 24 Teeth
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Quick release
- Standards: DIN 3120, DIN 3122

| R | Icon | A mm | B mm | C mm | L mm | g |
|----------|------|------|------|------|------|-------|
| 135-70-1 | 1 | 65 | 61.5 | 20 | 155 | 1.360 |

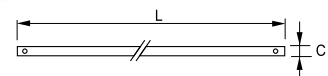
3/4" EXTENSIONS



- Ball retaining system

| R | Icon | A mm | B mm | L mm | g |
|----------|------|------|------|------|-------|
| 135-21-1 | 1 | 36 | 23 | 125 | 515 |
| 135-22-1 | 1 | 36 | 23 | 200 | 725 |
| 135-24-1 | 1 | 36 | 23 | 400 | 1.350 |

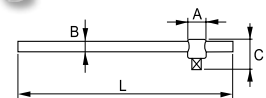
3/4" RATCHET HANDLE



- Ratchet handle

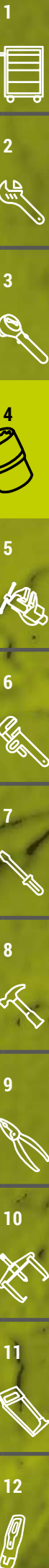
| R | Icon | C mm | L mm | g |
|----------|------|------|------|-------|
| 135-85-1 | 1 | 20 | 450 | 1.100 |

3/4" SLIDING T-HANDLE



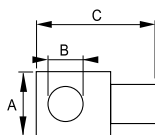
- Ball retaining system

| R | Icon | A mm | B mm | C mm | L mm | g |
|----------|------|------|------|------|------|-------|
| 135-42-1 | 1 | 36 | 20 | 60 | 450 | 1.335 |



3/4" ACCESSORIES

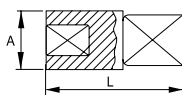
SLIDING T HANDLE HEAD



- Ball retaining system

| R | Icon | A mm | B mm | C mm | g |
|----------|------|------|------|------|-----|
| 135-43-1 | 1 | 35 | 20.5 | 60 | 235 |

3/4"-1/2" REDUCING ADAPTOR



- Reducing adaptor 3/4" to 1/2"
- Ball retaining system

| R | Icon | A mm | L mm | g |
|----------|------|------|------|-----|
| 135-46-1 | 1 | 36 | 54 | 260 |

3/4" SOCKET SETS

3/4" SOCKET SET, METRIC

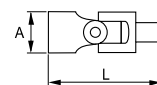


- 17 pcs socket set
- Hex sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome-plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks
- Spare Box part number: SP-106S-BOX17
- Two spare locks 3/4": SP104S

| R | Icon | Icon | Icon | g |
|----------|------|------|-------------|--------|
| 139-17-4 | 1 | 17 | 475x295x100 | 12.500 |

| | | | |
|------------------------------------------------------------------------------------------------------------------------|--|----------|--|
| 135-70-1 | | 135-24-1 | |
| 135-22-1 | | 135-43-1 | |
| 135-85-1 | | | |
| 131-22-1, 131-24-1, 131-27-1, 131-30-1, 131-32-1, 131-33-1, 131-34-1, 131-36-1, 131-38-1, 131-41-1, 131-46-1, 131-50-1 | | | |

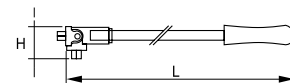
3/4" UNIVERSAL JOINT



- Ball retaining system

| R | Icon | A mm | L mm | g |
|----------|------|------|------|-----|
| 135-40-1 | 1 | 40 | 108 | 540 |

3/4" SWIVEL HANDLE



- Ball retaining system

| R | Icon | H mm | L mm | g |
|----------|------|------|------|-------|
| 135-52-1 | 1 | 40 | 450 | 1.700 |

3/4" SOCKET SET, METRIC



- 21 pcs socket set
- Hexagonal sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks
- Spare Box part number: SP-106S-BOX21

| R | Icon | Icon | Icon | g |
|----------|------|------|-------------|--------|
| 139-21-4 | 1 | 21 | 475x295x100 | 11.900 |

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|
| 135-70-1 | | 135-24-1 | |
| 135-22-1 | | 135-43-1 | |
| 135-85-1 | | | |
| 131-19-1, 131-21-1, 131-22-1, 131-23-1, 131-24-1, 131-26-1, 131-27-1, 131-29-1, 131-30-1, 131-32-1, 131-35-1, 131-36-1, 131-38-1, 131-41-1, 131-46-1, 131-50-1 | | | |

3/4" SOCKET SET, METRIC

3/4" mm



- 21 pcs socket set
- Bihexagonal sockets, metric sizes
- Chrome vanadium alloy steel
- Chrome plated bright finish
- Standards: DIN 3120, DIN 3124, DIN 3122
- Box in high density polyethylene
- Box with metal locks
- Spare Box part number: SP-106S-BOX21

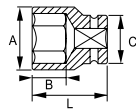
| Part No. | Qty | Material | Dimensions | Weight |
|-----------|-----|----------|-------------|--------|
| 139-21B-4 | 1 | 21 | 475x295x100 | 11.900 |
| 135-70-1 | | 135-24-1 | | |
| 135-22-1 | | 135-43-1 | | |
| 135-85-1 | | | | |

131B-19-2, 131B-21-2, 131B-22-2, 131B-23-2, 131B-24-2, 131B-26-2, 131B-27-2, 131B-29-2, 131B-30-2, 131B-32-2, 131B-35-2, 131B-36-2, 131B-38-2, 131B-41-2, 131B-46-2, 131B-50-2

3/8" IMPACT SOCKETS

3/8" IMPACT HEXAGONAL SOCKETS, METRIC

6 mm

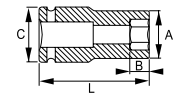


- Standards: UNE 16507, ISO 2725, DIN 3129

| Part No. | Qty | Material | A mm | B mm | C mm | L mm | Weight g |
|----------|-----|----------|------|------|------|------|----------|
| 160-07-1 | 1 | 7 | 12.6 | 13 | 19 | 32 | 39 |
| 160-08-1 | 1 | 8 | 14 | 13 | 19 | 32 | 39 |
| 160-10-1 | 1 | 10 | 15.8 | 13 | 19 | 32 | 40 |
| 160-11-1 | 1 | 11 | 16.9 | 13 | 19 | 32 | 41 |
| 160-12-1 | 1 | 12 | 18.2 | 13 | 19 | 32 | 41 |
| 160-13-1 | 1 | 13 | 19.5 | 13 | 22 | 32 | 54 |
| 160-14-1 | 1 | 14 | 20.5 | 13 | 22 | 32 | 54 |
| 160-15-1 | 1 | 15 | 22 | 16 | 22 | 32 | 54 |
| 160-16-1 | 1 | 16 | 24 | 16 | 22 | 32 | 57 |
| 160-17-1 | 1 | 17 | 25 | 17 | 22 | 34 | 67 |
| 160-18-1 | 1 | 18 | 26 | 17 | 22 | 34 | 67 |
| 160-19-1 | 1 | 19 | 28 | 17 | 22 | 34 | 71 |
| 160-20-1 | 1 | 20 | 28 | 17 | 22 | 34 | 79 |
| 160-21-1 | 1 | 21 | 30 | 17 | 22 | 34 | 80 |
| 160-24-1 | 1 | 24 | 34 | 17 | 22 | 34 | 102 |

3/8" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC

6 mm



| Part No. | Qty | Material | A mm | B mm | C mm | L mm | Weight g |
|----------|-----|----------|------|------|------|------|----------|
| 161-10-1 | 1 | 10 | 15.9 | 10 | 19 | 63 | 77 |
| 161-13-1 | 1 | 13 | 19.7 | 10 | 19 | 63 | 96 |
| 161-17-1 | 1 | 17 | 24.5 | 11 | 22 | 63 | 184 |



3/8" IMPACT ACCESSORIES

3/8" EXTENSIONS



- Standards: DIN 16503, ISO 1174

| R | Icon | A mm | B mm | L mm | g |
|----------|------|------|------|------|-----|
| 162-00-1 | 1 | 19 | 12.5 | 75 | 99 |
| 162-02-1 | 1 | 19 | 12.5 | 150 | 159 |

3/8" UNIVERSAL JOINT



- Standards: DIN 16503, ISO 1174

| R | Icon | A mm | L mm | g |
|----------|------|------|------|-----|
| 162-50-1 | 1 | 22 | 50 | 124 |

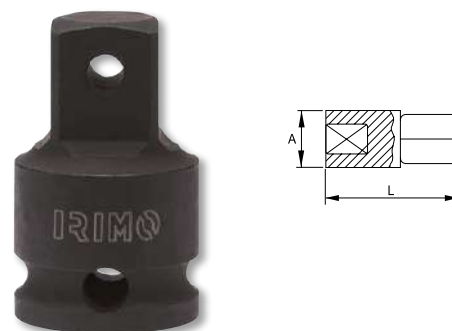
3/8"-1/4" REDUCING ADAPTOR



- 3/8" to 1/4" reducing adaptor
- Standards: DIN 16503, ISO 1174
- Due to the special working conditions of this adaptor, it is not guaranteed against male failure

| R | Icon | A mm | L mm | g |
|----------|------|------|------|----|
| 162-65-1 | 1 | 19 | 28 | 57 |

3/8"-1/2" INCREASING ADAPTOR



- 3/8" to 1/2" increasing adaptor
- Standards: DIN 16503, ISO 1174

| R | Icon | A mm | L mm | g |
|----------|------|------|------|----|
| 162-60-1 | 1 | 22 | 36 | 96 |

SAFETY SPRINGS

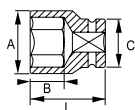


- 3/8" safety rings

| R | Icon | □ | ○ | g |
|--------|------|------|-------|---|
| 162931 | 1 | 3/8" | 7-12 | 2 |
| 162941 | 1 | 3/8" | 13-24 | 2 |

1/2" IMPACT SOCKETS

1/2" IMPACT HEXAGONAL SOCKETS, METRIC



• Standards: UNE 16507, ISO 2725, DIN 3129

| Part No. | Box | Hex Size | A mm | B mm | C mm | L mm | g |
|----------|-----|----------|------|------|------|------|-----|
| 167-08-1 | 1 | 8 | 15 | 15 | 25 | 38 | 84 |
| 167-10-1 | 1 | 10 | 17.5 | 15 | 25 | 38 | 89 |
| 167-12-1 | 1 | 12 | 19 | 15 | 25 | 38 | 94 |
| 167-13-1 | 1 | 13 | 20 | 15 | 25 | 38 | 94 |
| 167-14-1 | 1 | 14 | 22 | 15 | 25 | 38 | 94 |
| 167-15-1 | 1 | 15 | 23 | 15 | 25 | 38 | 134 |
| 167-16-1 | 1 | 16 | 24 | 15 | 25 | 38 | 134 |
| 167-17-1 | 1 | 17 | 26 | 15 | 30 | 38 | 134 |
| 167-18-1 | 1 | 18 | 27 | 15 | 30 | 38 | 134 |
| 167-19-1 | 1 | 19 | 28 | 17.5 | 30 | 38 | 134 |
| 167-20-1 | 1 | 20 | 29 | 17.5 | 30 | 38 | 137 |
| 167-21-1 | 1 | 21 | 30 | 17.5 | 30 | 38 | 149 |
| 167-22-1 | 1 | 22 | 32 | 17.5 | 30 | 38 | 149 |
| 167-23-1 | 1 | 23 | 34 | 18 | 30 | 40 | 149 |
| 167-24-1 | 1 | 24 | 34 | 18 | 30 | 40 | 179 |
| 167-26-1 | 1 | 26 | 36 | 22 | 30 | 42 | 189 |
| 167-27-1 | 1 | 27 | 38 | 22 | 30 | 42 | 204 |
| 167-30-1 | 1 | 30 | 42 | 22 | 30 | 44 | 234 |
| 167-32-1 | 1 | 32 | 44 | 22 | 40 | 44 | 282 |
| 167-34-1 | 1 | 34 | 46 | 22 | 40 | 48 | 406 |
| 167-36-1 | 1 | 36 | 48 | 22 | 40 | 48 | 467 |
| 167-38-1 | 1 | 38 | 50 | 23 | 40 | 48 | 480 |
| 167-41-1 | 1 | 41 | 50 | 24 | 42 | 48 | 495 |

1/2" IMPACT SOCKET HEXAGONAL SET MM, 9 pieces



- High performance Cr-Mo alloy steel
- Phosphated finish
- To be used with machines
- To be used with safety spring 169921 or 169931
- Dynamic-drive profile to protect nuts
- High density polyethylene box
- Standards: UNE 16507, DIN 3129, ISO 2725

| Part No. | Box | Quantity | Dimensions | g |
|--------------------------------------------------|-----|----------|------------|-------|
| 167-9-4 | 1 | 9 | 58x170x210 | 1.610 |
| 167-17-1, 167-19-1, 167-22-1, 167-24-1, 167-27-1 | | | | |
| 169-01-1 | | | 169-25-1 | |
| 169-65-1 | | | 169-60-1 | |

1/2" IMPACT SOCKET SET, 10 pieces



- Set 10 impact socket
- Strong blow moulded case
- Hex sockets
- Black finish
- Standards: ISO 2725, DIN 3129
- Plastic box in high density polyethylene

| Part No. | Box | Quantity | Dimensions | g |
|----------------------------------------------------------------------------------------------------|-----|----------|------------|-------|
| 167-10-4 | 1 | 10 | 200x160x52 | 1.425 |
| 167-10-1, 167-13-1, 167-14-1, 167-16-1, 167-17-1, 167-18-1, 167-19-1, 167-21-1, 167-22-1, 167-24-1 | | | | |



1/2" IMPACT SOCKETS

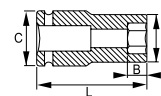
1/2" IMPACT SOCKET HEXAGONAL SET MM, 11 pieces



- High performance Cr-Mo alloy steel
- Phosphated finish
- To be used with machines
- To be used with safety spring
- Dynamic-drive profile to protect nuts
- High density polyethylene box
- -Standards: UNE 16507, DIN 3129, ISOV2725

| Part No. | QTY | Box Qty | Box Dim (mm) | Weight (g) |
|------------------------------------------------------------------------------------------|-----|---------|--------------|------------|
| 167-11-4 | 1 | 11 | 58x170x210 | 1.600 |
| 167-08-1, 167-10-1, 167-12-1, 167-14-1, 167-17-1, 167-19-1, 167-22-1, 167-24-1, 167-27-1 | | | | |
| 169-03-1 | | | | |
| 169-25-1 | | | | |

1/2" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC



| Part No. | QTY | Box Qty | A (mm) | B (mm) | C (mm) | L (mm) | Weight (g) |
|----------|-----|---------|--------|--------|--------|--------|------------|
| 168-10-1 | 1 | 10 | 17.5 | 24 | 25 | 78 | 118 |
| 168-11-1 | 1 | 11 | 18 | 24 | 25 | 78 | 121 |
| 168-13-1 | 1 | 13 | 20 | 24 | 25 | 78 | 163 |
| 168-14-1 | 1 | 14 | 22 | 37 | 25 | 78 | 190 |
| 168-16-1 | 1 | 16 | 24 | 37 | 25 | 78 | 239 |
| 168-17-1 | 1 | 17 | 26 | 37 | 30 | 78 | 239 |
| 168-18-1 | 1 | 18 | 27 | 37 | 30 | 78 | 239 |
| 168-19-1 | 1 | 19 | 28 | 39 | 30 | 78 | 246 |
| 168-21-1 | 1 | 21 | 30 | 39 | 30 | 78 | 267 |
| 168-22-1 | 1 | 22 | 32 | 39 | 30 | 78 | 328 |
| 168-23-1 | 1 | 23 | 34 | 39 | 30 | 78 | 348 |
| 168-24-1 | 1 | 24 | 34 | 39 | 30 | 78 | 351 |
| 168-27-1 | 1 | 27 | 38 | 39 | 30 | 78 | 373 |
| 168-30-1 | 1 | 30 | 42 | 39 | 30 | 78 | 409 |
| 168-32-1 | 1 | 32 | 43 | 40 | 32 | 78 | 415 |

1/2" IMPACT SOCKET HEXAGONAL SET MM, 7 pieces



- High performance Cr-Mo alloy steel
- Phosphated finish
- To be used with machines
- To be used with safety spring
- Dynamic-drive profile to protect nuts
- High density polyethylene box
- Standards: UNE 16507, DIN 3129, ISO 2725

| Part No. | QTY | Box Qty | Box Dim (mm) | Weight (g) |
|----------------------------------------------------------------------|-----|---------|--------------|------------|
| 168-7-4 | 1 | 7 | 52x180x255 | 2.100 |
| 168-10-1, 168-13-1, 168-17-1, 168-19-1, 168-22-1, 168-24-1, 168-27-1 | | | | |

1/2" IMPACT SOCKET HEXAGONAL SET MM, 14 pieces



- High performance Cr-Mo alloy steel
- Phosphated finish
- To be used with machines
- To be used with safety spring
- Dynamic-drive profile to protect nuts
- High density polyethylene box
- Standards: UNE 16507, DIN 3129, ISO 2725

| Part No. | QTY | Box Qty | Box Dim (mm) | Weight (g) |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|--------------|------------|
| 168-14-4 | 1 | 14 | 82x263x335 | 4.230 |
| 168-10-1, 168-11-1, 168-13-1, 168-14-1, 168-16-1, 168-17-1, 168-18-1, 168-19-1, 168-21-1, 168-22-1, 168-24-1, 168-27-1, 167-30-1, 167-32-1 | | | | |

1/2" IMPACT ACCESSORIES

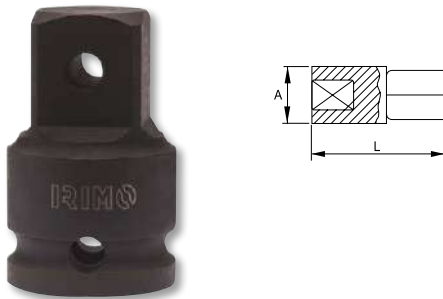
1/2" EXTENSIONS



- Standards: DIN 16503, ISO 1174

| R | Icon | A mm | B mm | L mm | g |
|----------|------|------|------|------|-----|
| 169-03-1 | 1 | 25 | 16.5 | 75 | 139 |
| 169-01-1 | 1 | 25 | 16.5 | 125 | 274 |
| 169-02-1 | 1 | 25 | 16.5 | 150 | 484 |

1/2"-3/4" INCREASING ADAPTOR



- 1/2" to 3/4" increasing adaptor
- Standards: DIN 16503, ISO 1174

| R | Icon | A mm | L mm | g |
|----------|------|------|------|-----|
| 169-60-1 | 1 | 30 | 48 | 114 |

1/2"-3/8" REDUCING ADAPTOR



- 1/2" to 3/8" reducing adaptor
- Standards: ISO 1174, DIN 16503
- Due to the special working conditions of this adaptor, it is not guaranteed against male failure

| R | Icon | A mm | L mm | g |
|----------|------|------|------|-----|
| 169-65-1 | 1 | 25 | 38 | 129 |

1/2" UNIVERSAL JOINT



- Standards: DIN 16503, ISO 1174

| R | Icon | A mm | L mm | g |
|----------|------|------|------|-----|
| 169-25-1 | 1 | 30 | 63 | 189 |

SAFETY SPRINGS



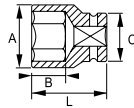
- 1/2" safety rings

| R | Icon | Circle | Circle | Circle | g |
|--------|------|--------|--------|--------|---|
| 169921 | 1 | 1/2" | 10-14 | 5-10 | 2 |
| 169931 | 1 | 1/2" | 15-36 | 12-19 | 2 |



3/4" IMPACT SOCKETS

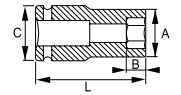
3/4" IMPACT HEXAGONAL SOCKETS, METRIC



• Standards: UNE 16507, ISO 2725, DIN 3129

| Part No. | Box | Size | A mm | B mm | C mm | L mm | g |
|----------|-----|------|------|------|------|------|------|
| 173-17-2 | 1 | 17 | 30 | 21 | 44 | 51 | 339 |
| 173-18-2 | 1 | 18 | 32 | 21 | 44 | 51 | 339 |
| 173-19-2 | 1 | 19 | 33 | 21 | 44 | 51 | 349 |
| 173-21-2 | 1 | 21 | 35 | 21 | 44 | 51 | 359 |
| 173-22-2 | 1 | 22 | 36 | 21 | 44 | 51 | 359 |
| 173-23-2 | 1 | 23 | 37 | 21 | 44 | 51 | 369 |
| 173-24-2 | 1 | 24 | 38 | 21 | 44 | 51 | 379 |
| 173-27-2 | 1 | 27 | 41 | 21 | 44 | 51 | 399 |
| 173-28-2 | 1 | 28 | 42 | 23 | 44 | 51 | 409 |
| 173-29-2 | 1 | 29 | 45 | 23 | 44 | 51 | 409 |
| 173-30-2 | 1 | 30 | 46 | 23 | 44 | 51 | 439 |
| 173-32-2 | 1 | 32 | 48 | 27 | 44 | 57 | 469 |
| 173-33-2 | 1 | 33 | 50 | 27 | 44 | 57 | 489 |
| 173-34-2 | 1 | 34 | 51 | 27 | 44 | 57 | 509 |
| 173-36-2 | 1 | 36 | 53 | 27 | 44 | 57 | 519 |
| 173-38-2 | 1 | 38 | 56 | 27 | 44 | 57 | 559 |
| 173-41-2 | 1 | 41 | 59 | 28 | 44 | 58 | 659 |
| 173-46-2 | 1 | 46 | 66 | 30 | 44 | 62 | 709 |
| 173-50-2 | 1 | 50 | 71 | 32 | 54 | 65 | 839 |
| 173-55-2 | 1 | 55 | 77 | 37 | 54 | 70 | 1109 |
| 173-60-2 | 1 | 60 | 84 | 37 | 54 | 70 | 1200 |

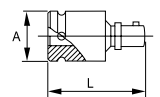
3/4" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC



| Part No. | Box | Size | A mm | B mm | C mm | L mm | g |
|----------|-----|------|------|------|------|------|------|
| 174-17-2 | 1 | 17 | 30 | 23 | 44 | 90 | 560 |
| 174-19-2 | 1 | 19 | 33 | 23 | 44 | 90 | 600 |
| 174-21-2 | 1 | 21 | 35 | 23 | 44 | 90 | 680 |
| 174-22-2 | 1 | 22 | 36 | 23 | 44 | 90 | 700 |
| 174-24-2 | 1 | 24 | 38 | 23 | 44 | 90 | 750 |
| 174-27-2 | 1 | 27 | 41 | 23 | 44 | 90 | 800 |
| 174-30-2 | 1 | 30 | 46 | 27 | 44 | 90 | 898 |
| 174-32-2 | 1 | 32 | 48 | 27 | 44 | 90 | 957 |
| 174-33-2 | 1 | 33 | 50 | 27 | 44 | 90 | 1010 |
| 174-34-2 | 1 | 34 | 51 | 27 | 44 | 90 | 1030 |
| 174-36-2 | 1 | 36 | 55 | 27 | 44 | 90 | 1084 |
| 174-41-2 | 1 | 41 | 59 | 28 | 44 | 90 | 1270 |

3/4" IMPACT ACCESSORIES

3/4" UNIVERSAL JOINT



• Standards: DIN 16503, ISO 1174

| Part No. | Box | A mm | L mm | g |
|----------|-----|------|------|-----|
| 175-25-2 | 1 | 42 | 92 | 580 |

SAFETY SPRINGS



• 3/4" safety rings

| Part No. | Box | Size | Length | g |
|----------|-----|------|--------|---|
| 175911 | 1 | 3/4" | 17-46 | 2 |
| 179931 | 1 | 3/4" | 50-60 | 2 |

3/4" IMPACT SOCKET SET, IN METAL BOX



• Set in metal box

| Part No. | Box | Quantity | Size | g |
|----------|-----|----------|------------------------------------------|-------|
| 173-01-5 | 1 | 8 | 24 - 27 - 29 - 30 - 32 - 34 - 36 - 38 mm | 4.000 |

3/4" IMPACT ACCESSORIES

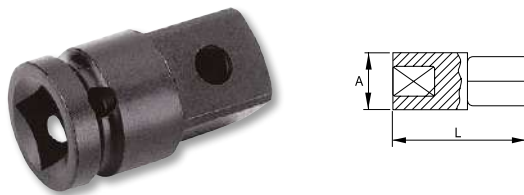
3/4" EXTENSIONS



- Standards: DIN 16503, ISO 1174

| Part No. | Box Icon | A mm | B mm | L mm | g |
|----------|----------|------|------|------|-------|
| 175-01-2 | 1 | 175 | 44 | 21 | 850 |
| 175-10-2 | 1 | 250 | 44 | 21 | 1.190 |
| 175-02-2 | 1 | 325 | 44 | 21 | 1.460 |

3/4"-1" INCREASING ADAPTOR



- 3/4" to 1" increasing adaptor
- Standards: DIN 16503, ISO 1174

| Part No. | Box Icon | A mm | L mm | g |
|----------|----------|------|------|-----|
| 175-60-2 | 1 | 44 | 63 | 410 |

3/4"-1/2" REDUCING ADAPTOR



- 3/4" to 1/2" reducing adaptor
- Standards: DIN 16503, ISO 1174
- Due to the special working conditions of this adaptor, it is not guaranteed against male failure

| Part No. | Box Icon | A mm | L mm | g |
|----------|----------|------|------|-----|
| 175-65-2 | 1 | 44 | 57 | 350 |

1" IMPACT SOCKETS

1" IMPACT HEXAGONAL SOCKETS, METRIC



- Standards: UNE 16507, ISO 2725, DIN 3129

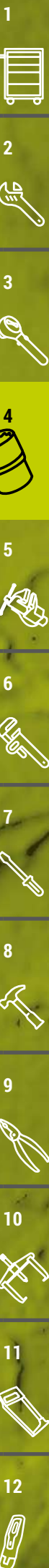
| Part No. | Box Icon | Hex Icon | A mm | B mm | C mm | L mm | g |
|----------|----------|----------|------|------|------|------|------|
| 177-22-2 | 1 | 22 | 39 | 22 | 54 | 58 | 645 |
| 177-24-2 | 1 | 24 | 41 | 22 | 54 | 58 | 650 |
| 177-27-2 | 1 | 27 | 46 | 22 | 54 | 58 | 670 |
| 177-30-2 | 1 | 30 | 49 | 24 | 54 | 62 | 680 |
| 177-32-2 | 1 | 32 | 52 | 24 | 54 | 62 | 695 |
| 177-33-2 | 1 | 33 | 54 | 24 | 54 | 62 | 695 |
| 177-34-2 | 1 | 34 | 54 | 24 | 54 | 62 | 720 |
| 177-36-2 | 1 | 36 | 56 | 29 | 54 | 65 | 800 |
| 177-38-2 | 1 | 38 | 58 | 29 | 54 | 65 | 845 |
| 177-41-2 | 1 | 41 | 61 | 34 | 54 | 70 | 920 |
| 177-42-2 | 1 | 42 | 64 | 34 | 54 | 70 | 950 |
| 177-46-2 | 1 | 46 | 68 | 36 | 54 | 75 | 1150 |
| 177-50-2 | 1 | 50 | 73 | 36 | 54 | 75 | 1375 |
| 177-55-2 | 1 | 55 | 79 | 44 | 54 | 83 | 1540 |
| 177-60-2 | 1 | 60 | 86 | 47 | 54 | 87 | 1700 |
| 177-65-2 | 1 | 65 | 92 | 47 | 54 | 90 | 1940 |
| 177-70-2 | 1 | 70 | 97 | 47 | 54 | 93 | 2450 |
| 177-75-2 | 1 | 75 | 104 | 47 | 86 | 95 | 2900 |
| 177-80-2 | 1 | 80 | 110 | 39 | 86 | 100 | 3300 |

1" IMPACT SOCKET SET, IN METAL BOX



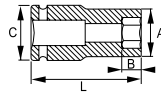
- Set in metal box

| Part No. | Box Icon | Box Icon | Socket Icon | g |
|----------|----------|----------|-------------------------------------|-------|
| 177-10-5 | 1 | 7 | 24 - 27 - 30 - 32 - 33 - 36 - 38 mm | 5.500 |



1" IMPACT SOCKETS

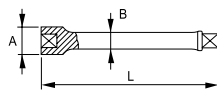
1" IMPACT HEXAGONAL SOCKETS, LONG SERIES, METRIC



| Part No. | Box | Hex Size | A mm | B mm | C mm | L mm | Weight (g) |
|----------|-----|----------|------|------|------|------|------------|
| 178-22-2 | 1 | 22 | 39 | 23 | 54 | 90 | 975 |
| 178-24-2 | 1 | 24 | 42 | 23 | 54 | 90 | 1016 |
| 178-27-2 | 1 | 27 | 46 | 23 | 54 | 90 | 1134 |
| 178-30-2 | 1 | 30 | 49 | 24 | 54 | 90 | 1256 |
| 178-32-2 | 1 | 32 | 52 | 24 | 54 | 90 | 1297 |
| 178-33-2 | 1 | 33 | 54 | 24 | 54 | 92 | 1311 |
| 178-34-2 | 1 | 34 | 54 | 24 | 54 | 92 | 1350 |
| 178-36-2 | 1 | 36 | 56 | 29 | 54 | 92 | 1474 |
| 178-38-2 | 1 | 38 | 58 | 29 | 54 | 92 | 1479 |
| 178-41-2 | 1 | 41 | 61 | 34 | 54 | 92 | 1533 |
| 178-46-2 | 1 | 46 | 68 | 36 | 54 | 95 | 1710 |
| 178-50-2 | 1 | 50 | 73 | 36 | 54 | 95 | 1896 |
| 178-55-2 | 1 | 55 | 79 | 44 | 54 | 100 | 2155 |
| 178-60-2 | 1 | 60 | 86 | 47 | 54 | 100 | 2372 |

1" IMPACT ACCESSORIES

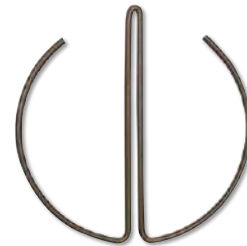
1" EXTENSIONS



- Standards: DIN 16503, ISO 1174

| Part No. | Box | A mm | B mm | L mm | Weight (g) |
|----------|-----|------|------|------|------------|
| 179-00-2 | 1 | 125 | 54 | 34 | 1.085 |
| 179-01-2 | 1 | 175 | 54 | 34 | 1.390 |
| 179-02-2 | 1 | 325 | 54 | 34 | 2.395 |

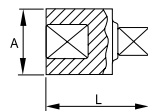
SAFETY SPRINGS



- 1" safety rings

| Part No. | Box | Hex Size | Inner Dia | Outer Dia | Weight (g) |
|----------|-----|----------|-----------|-----------|------------|
| 179931 | 1 | 1" | 19-70 | 17-27 | 9 |
| 179941 | 1 | 1" | 75-80 | | 13 |

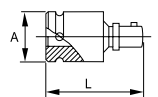
1"-3/4" REDUCING ADAPTOR



- 1" to 3/4" reducing adaptor
- Standards: DIN 16503, ISO 1174
- Due to the special working conditions of this adaptor, it is not guaranteed against male failure

| Part No. | Box | A mm | L mm | Weight (g) |
|----------|-----|------|------|------------|
| 179-65-2 | 1 | 54 | 70 | 350 |

1" UNIVERSAL JOINT



- Standards: DIN 16503, ISO 1174

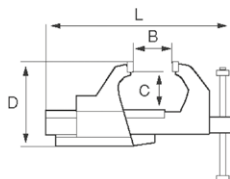
| Part No. | Box | A mm | L mm | Weight (g) |
|----------|-----|------|------|------------|
| 179-52-2 | 1 | 54 | 120 | 650 |

A close-up photograph of a wooden frame being assembled on a workbench. The frame consists of several light-colored wooden planks joined together. Several blue clamps are used to hold the pieces in place. In the foreground, a blue clamp is prominently displayed, with the brand name 'MILSI' visible on its handle. The background shows a white workbench with some faint markings and a square tool.

05. CLAMPING TOOLS

BENCH VICES

ROUND GUIDE VICE



SQUARE GUIDE VICE



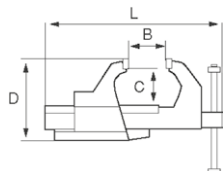
- Round guide bench vice
- Heavy duty
- Manufactured by high grade cast steel
- Interchangeable jaws
- Oversized anvil
- Laminated spindle thread
- Smooth operation
- Can be used with swivel base

| R | Box | mm | B mm | C mm | D mm | L mm | g |
|--------|-----|-----|------|------|------|------|--------|
| 201231 | 1 | 80 | 90 | 42 | 130 | 260 | 5.850 |
| 201241 | 1 | 100 | 110 | 56 | 166 | 325 | 11.350 |
| 201251 | 1 | 125 | 130 | 72 | 196 | 375 | 18.200 |
| 201261 | 1 | 150 | 170 | 80 | 230 | 430 | 29.700 |

- Heavy duty square guide bench vice
- Manufactured from high grade cast steel
- Interchangeable jaws
- Oversized anvil
- Laminated spindle thread for smooth operation
- Can be used with swivel base
- Free play adjustment via screw mechanism
- With pipe holding jaws

| R | Box | mm | B mm | C mm | D mm | L mm | g |
|--------|-----|-----|------|------|------|------|--------|
| 216041 | 1 | 100 | 145 | 50 | 122 | 325 | 6.497 |
| 216051 | 1 | 125 | 170 | 63 | 152 | 402 | 13.733 |
| 216061 | 1 | 150 | 230 | 80 | 182 | 492 | 20.388 |
| 216071 | 1 | 175 | 250 | 94 | 211 | 551 | 30.688 |

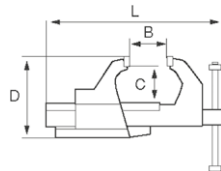
SQUARE GUIDE VICE



- Heavy duty square guide bench vice
- Manufactured from high grade cast steel
- Oversized anvil
- Interchangeable jaws are available
- Laminated spindle thread for smooth operation
- Can be used with swivel base

| R | Box | mm | B mm | C mm | D mm | L mm | g |
|--------|-----|-----|------|------|------|------|--------|
| 207041 | 1 | 100 | 145 | 50 | 122 | 325 | 6.200 |
| 207051 | 1 | 125 | 170 | 63 | 152 | 402 | 13.200 |
| 207061 | 1 | 150 | 230 | 80 | 182 | 492 | 19.800 |
| 207071 | 1 | 175 | 250 | 94 | 211 | 551 | 30.100 |

SQUARE GUIDE VICE

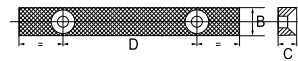


- Heavy duty square guide bench vice
- Manufactured from ductile iron, with similar characteristics to steel
- High impact resistance and durability
- Fitted with swivel base
- Large square anvil
- Added a stop pin at the main screw end to prevent jaw from falling out
- Spare jaws and spindle available
- GS certification

| Q | Icon | Icon | B mm | C mm | D mm | L mm | g |
|---------|------|------|------|------|------|------|--------|
| 207-100 | 1 | 100 | 100 | 61 | 164 | 330 | 11.450 |
| 207-125 | 1 | 125 | 125 | 72 | 193 | 408 | 20.000 |
| 207-150 | 1 | 150 | 150 | 84 | 223 | 466 | 29.700 |

SPARE PARTS FOR BENCH VICES

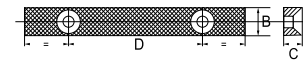
SPARE JAWS



- Pair of spare jaws and screws for round guide vice 201

| Q | Icon | Icon | B mm | C mm | D mm | g |
|--------|------|------|------|------|------|-----|
| 202401 | 1 | 80 | 15 | 10 | 55 | 170 |
| 202411 | 1 | 100 | 20 | 12 | 64 | 350 |
| 202421 | 1 | 125 | 20 | 12 | 77 | 450 |
| 202431 | 1 | 150 | 25 | 14 | 90 | 750 |

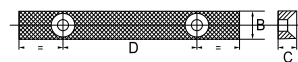
SPARE JAWS



- Pair of spare jaws and screws for square guide vices 207041 / 207071 and 216

| Q | Icon | Icon | B mm | C mm | D mm | g |
|--------|------|------|------|------|------|-------|
| 202441 | 1 | 100 | 15 | 10 | 64 | 350 |
| 202421 | 1 | 125 | 20 | 12 | 77 | 450 |
| 202451 | 1 | 150 | 20 | 12 | 90 | 750 |
| 202461 | 1 | 175 | 25 | 14 | 105 | 1.020 |

SPARE JAWS



- Pair of spare jaws and screws for square guide vices 207-100 / 207-150

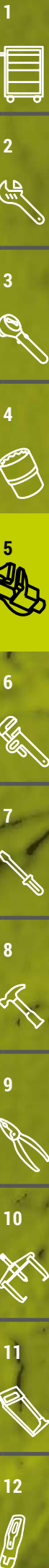
| Q | Icon | Icon | B mm | C mm | D mm | g |
|---------|------|------|------|------|------|-----|
| 202-100 | 1 | 100 | 20 | 10 | 60 | 270 |
| 202-125 | 1 | 125 | 21 | 12 | 75 | 460 |
| 202-150 | 1 | 150 | 21 | 12 | 90 | 550 |

PAIR OF PIPE JAWS AND SCREWS



- Pair of pipe jaws and screws for square guide vices 207041 / 207071 and 216

| Q | Icon | Icon | Icon | Icon | Icon | g |
|--------|------|-----------|-------------|------|------|-----|
| 206721 | 1 | 100 | 13.5 - 26.9 | | | 245 |
| 206741 | 1 | 125 | 21.3 - 76.1 | | | 436 |
| 206761 | 1 | 150 / 175 | 26.9 - 89.0 | | | 478 |



SPARE PARTS FOR BENCH VICES

SPARE SPINDLE AND BOLT



- Spare spindle and bolt for round guide vice 201

| R | Icon | Ø mm | L mm | g |
|--------|------|------|------|-------|
| 202811 | 1 | 80 | 251 | 875 |
| 202821 | 1 | 100 | 317 | 1.400 |
| 202831 | 1 | 125 | 364 | 2.200 |
| 202841 | 1 | 150 | 428 | 3.400 |

SPARE SPINDLE AND NUT



- Spare spindle and nut for square guide vice 207041 / 207071 and 216

| R | Icon | Ø mm | L mm | g |
|--------|------|------|------|-------|
| 206821 | 1 | 100 | 287 | 600 |
| 206831 | 1 | 125 | 352 | 1.400 |
| 206841 | 1 | 150 | 432 | 2.200 |
| 206851 | 1 | 175 | 471 | 3.200 |

SPARE SPINDLE AND NUT



- Spare spindle and nut for square guide vices 207-100 / 207-150

| R | Icon | Ø mm | L mm | g |
|---------|------|------|------|-------|
| 206-100 | 1 | 100 | 165 | 560 |
| 206-125 | 1 | 125 | 188 | 920 |
| 206-150 | 1 | 150 | 216 | 1.060 |

ACCESSORIES FOR BENCH VICES

ALUMINIUM JAWS



- Prism jaws of hardened aluminium
- Offer efficient clamping and protection of the workpiece at the same time
- Designed for horizontal clamping of flat and round objects
- Designed for vertical clamping of round objects
- 90° recess in the top to hold flat bar stock while marking out or centrepunching
- Horizontal vee-groove with an angle of 120° for clamping of pipes and other round workpieces
- 3 vertical vee-grooves with angles of 100°, 120° and 130° for clamping of pipes and other round workpieces
- Excellent powerful neodymium magnetic strip

| R | Icon | Ø mm | g |
|--------|------|------|-----|
| 202561 | 1 | 100 | 180 |
| 202571 | 1 | 125 | 200 |
| 202581 | 1 | 150 | 220 |

ALUMINIUM JAWS



- Neutral jaws of hardened aluminium
- For clamping rough or medium finish, machined workpieces
- Impact resistant extruded polycarbonate PC
- Hardened aluminium offers superior corrosion resistance along with excellent surface finish
- Excellent powerful neodymium magnetic strip

| R | Icon | Ø mm | g |
|--------|------|------|-----|
| 202511 | 1 | 100 | 180 |
| 202521 | 1 | 125 | 200 |
| 202541 | 1 | 150 | 220 |

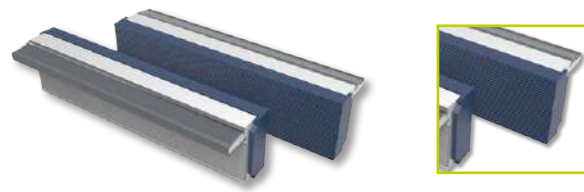
POLYURETHANE JAWS



- Polyurethane jaws with grooves
- For clamping of round parts with very delicate details
- The jaws are manufactured from the special flexible polyurethane material
- Shore hardness A82
- Polyurethane is known for its unique abilities to “bite onto” the work piece without damaging or scratching it
- Polyurethane is so flexible, that it returns to its original shape after deformation
- Excellent powerful neodymium magnetic strip

| E | | | g |
|--------|---|-----|-----|
| 202661 | 1 | 100 | 150 |
| 202671 | 1 | 125 | 175 |
| 202681 | 1 | 150 | 200 |

POLYURETHANE JAWS



- Polyurethane jaws with small cross serrations
- For clamping of flat parts with very delicate details
- The jaws are manufactured from the special flexible polyurethane material
- Shore hardness A82
- Polyurethane is known for its unique abilities to “bite onto” the work piece without damaging or scratching it
- Polyurethane is so flexible, that it returns to its original shape after deformation
- Excellent powerful neodymium magnetic strip

| E | | | g |
|--------|---|-----|-----|
| 202761 | 1 | 100 | 150 |
| 202771 | 1 | 125 | 175 |
| 202781 | 1 | 150 | 200 |

SWIVEL VICE BASE

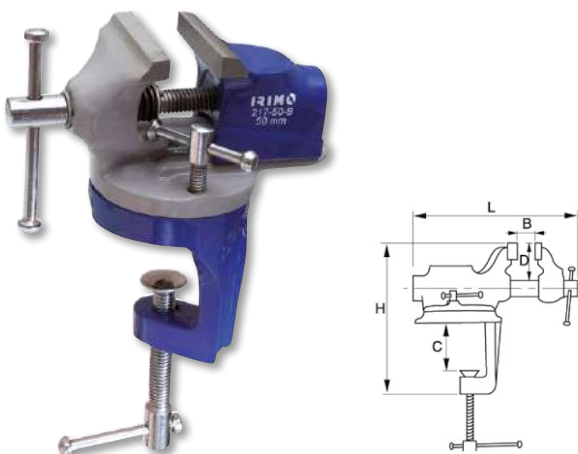


- Swivel base for all round 201 and 207041 / 207071 square guide vice models
- Manufactured from high grade cast steel

| E | | Ø mm | ∇ mm | L mm | d mm | g |
|--------|---|------|------|------|------|-------|
| 201431 | 1 | 80 | 100 | 90 | 11 | 850 |
| 201451 | 1 | 100 | 125 | 115 | 13 | 1.150 |
| 201461 | 1 | 125 | 150 | 145 | 13 | 1.500 |
| 201471 | 1 | 150 | 175 | 165 | 17 | 2.500 |

TABLE VICE

MINI BENCH VICE



- Versatile tool for filing, flattening or laying out work
- With swivel base
- Finished anvil
- Material: cast iron
- Blister packaging

| E | | | B mm | C mm | D mm | H mm | L mm | g |
|----------|---|----|------|------|------|------|------|-------|
| 217-50-B | 1 | 50 | 40 | 34 | 20 | 120 | 125 | 1.100 |



SCREW CLAMPS

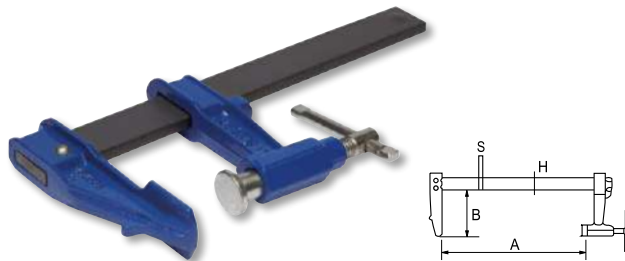
FORGED WOODEN HANDLE F-CLAMP



- Professional type F clamp with one fixed and one sliding bracket fitted to a galvanised profiled steel rail
- Screwed wooden handle for a comfortable adjusting
- Forged jaws allows a high and maintained clamping force

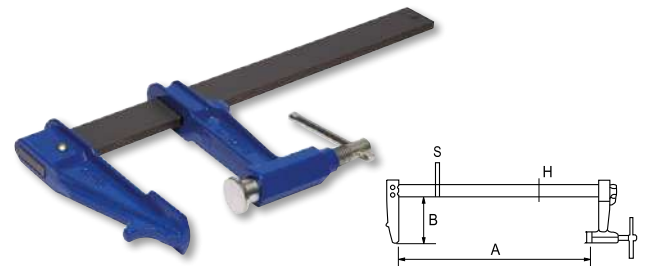
| R | Icon | A mm | B mm | HxS mm | g |
|-----------|------|------|------|----------|-------|
| 258-100-2 | 1 | 60 | 100 | 15.5x7.5 | 450 |
| 258-120-2 | 1 | 60 | 120 | 15.5x7.5 | 750 |
| 258-160-2 | 1 | 80 | 160 | 15.5x7.5 | 900 |
| 258-200-2 | 10 | 120 | 200 | 22x10.6 | 1.200 |
| 258-250-2 | 10 | 120 | 250 | 22x10.6 | 1.500 |
| 258-300-2 | 10 | 120 | 300 | 22x10.6 | 1.586 |

STEEL CLAMP, 90 MM



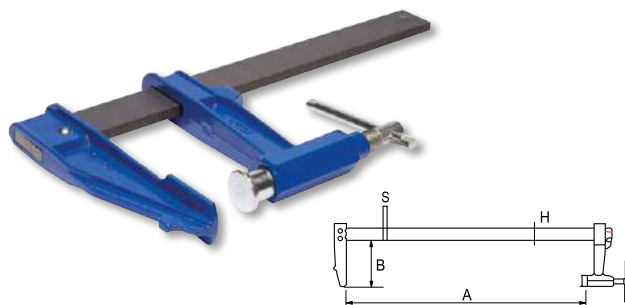
| R | Icon | A mm | B mm | HxS mm | g |
|--------|------|------|------|--------|-------|
| 256001 | 5 | 150 | 90 | 30x8 | 1.100 |
| 256011 | 5 | 200 | 90 | 30x8 | 1.200 |
| 256031 | 5 | 300 | 90 | 30x8 | 1.400 |
| 256041 | 5 | 400 | 90 | 30x8 | 1.600 |

STEEL T-HANDLE CLAMP, 120 MM



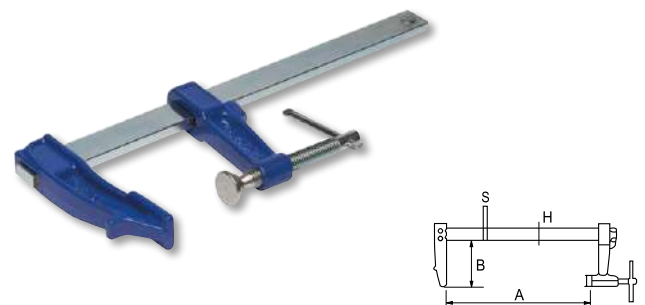
| R | Icon | A mm | B mm | HxS mm | g |
|--------|------|-------|------|--------|-------|
| 256131 | 5 | 300 | 120 | 35x8 | 2.000 |
| 256141 | 5 | 400 | 120 | 35x8 | 2.200 |
| 256151 | 5 | 500 | 120 | 35x8 | 2.400 |
| 256161 | 5 | 600 | 120 | 35x8 | 2.600 |
| 256181 | 5 | 800 | 120 | 35x8 | 3.000 |
| 256201 | 5 | 1.000 | 120 | 35x8 | 3.400 |

NON-SLIP BRAKING MECHANISM CLAMP, 150 MM



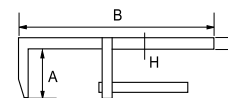
| R | Icon | A mm | B mm | HxS mm | g |
|--------|------|-------|------|--------|-------|
| 256231 | 5 | 300 | 150 | 40x10 | 3.100 |
| 256241 | 5 | 400 | 150 | 40x10 | 3.400 |
| 256251 | 2 | 500 | 150 | 40x10 | 3.700 |
| 256261 | 2 | 600 | 150 | 40x10 | 4.000 |
| 256281 | 2 | 800 | 150 | 40x10 | 4.600 |
| 256301 | 2 | 1.000 | 150 | 40x10 | 5.200 |
| 256321 | 1 | 1.200 | 150 | 40x10 | 5.800 |

LIGHT SCREW CLAMP, 70 MM



| R | Icon | A mm | B mm | HxS mm | g |
|--------|------|------|------|--------|-----|
| 255011 | 10 | 120 | 70 | 18x7 | 420 |
| 255021 | 10 | 150 | 70 | 18x7 | 450 |
| 255031 | 10 | 200 | 70 | 18x7 | 500 |
| 255041 | 10 | 250 | 70 | 18x7 | 550 |
| 255051 | 10 | 300 | 70 | 18x7 | 600 |

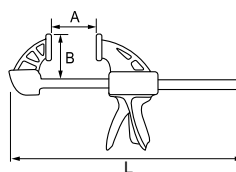
FORGED RATCHETING F-CLAMP



- Professional clamp
- Strong Clamping tool
- Aluminium body
- Up to 5100 Nw
- Ratcheting system to facilitate adjust and clamping

| Q | 📦 | B mm | A mm | HxS mm | g |
|-----------|----|------|------|--------|-------|
| 257-200-2 | 10 | 200 | 140 | 25x12 | 986 |
| 257-300-2 | 10 | 300 | 140 | 25x12 | 1.586 |
| 257-400-2 | 10 | 400 | 140 | 25x12 | 2.286 |
| 257-500-2 | 10 | 500 | 140 | 25x12 | 2.886 |
| 257-600-2 | 10 | 600 | 140 | 25x12 | 3.286 |

QUICK CLAMPS



- High resistance clamps with quick release system
- Clamping capacity over 60 kg
- Reversible jaw mechanism



| Q | 📦 | A mm | B mm | L mm | g |
|------------|---|-------------|------|-------|-------|
| 254-150-2 | 1 | 150 - 6" | 60 | 335 | 487 |
| 254-300-2 | 6 | 300 - 12" | 60 | 485 | 586 |
| 254-450-2 | 6 | 450 - 18" | 60 | 635 | 686 |
| 254-600-2 | 6 | 600 - 24" | 60 | 785 | 781 |
| 254-900-2 | 6 | 900 - 36" | 60 | 1.085 | 980 |
| 254-1200-2 | 4 | 1.200 - 48" | 60 | 1.685 | 1.165 |

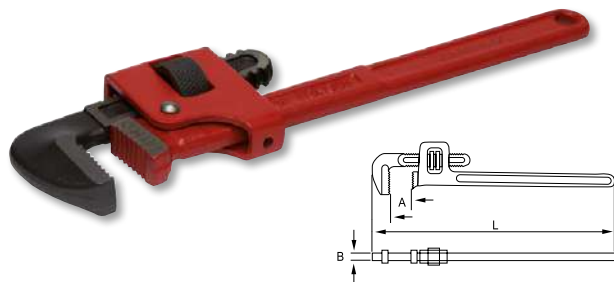




06. PIPE TOOLS

STILLSON WRENCHES

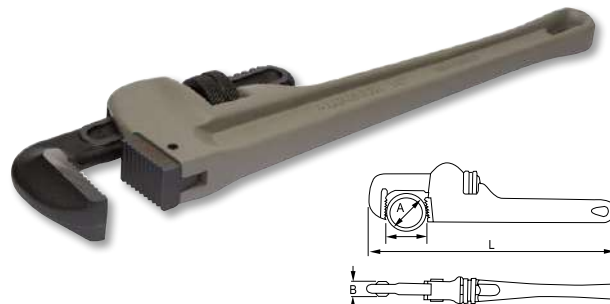
STILLSON WRENCH



- Forged template steel
- Hardened gripping teeth 55-60 HRc
- Epoxy painting

| R | 📦 | A inch | A mm | B mm | L inch | L mm | g |
|-----------|---|-----------|---------|---------|-----------|---------|-------|
| 302-210-2 | 3 | 1" | 19 | 11 | 8" | 210 | 290 |
| 302-260-2 | 3 | 1.3/8" | 25 | 15 | 10" | 260 | 620 |
| 302-310-2 | 3 | 1.3/4" | 26 | 17 | 12" | 310 | 800 |
| 302-365-2 | 3 | 2" | 28 | 19 | 14" | 365 | 1.120 |
| 302-465-2 | 1 | 2.3/8" | 30 | 23 | 18" | 465 | 1.890 |
| 302-615-2 | 1 | 3" | 39 | 26 | 24" | 615 | 3.200 |
| 302-900-2 | 1 | 4" | 48 | 30 | 36" | 900 | 6.100 |

STILLSON ALUMINIUM WRENCH



- Aluminium alloy handle with section in double T
- Light, 40% less weight and great resistance

| R | 📦 | A inch | A mm | B mm | L inch | L mm | g |
|-----------|---|-----------|---------|---------|-----------|---------|-------|
| 304-250-2 | 2 | 1.1/2" | 22 | 17 | 10" | 250 | 430 |
| 304-350-2 | 2 | 2" | 26 | 21 | 14" | 350 | 950 |
| 304-450-2 | 1 | 2.1/2" | 29 | 26 | 18" | 450 | 1.650 |
| 304-600-2 | 1 | 3" | 33 | 28 | 24" | 600 | 2.500 |
| 304-900-2 | 1 | 5" | 44 | 32 | 36" | 900 | 5.200 |

SPARE PARTS FOR STILLSON WRENCHES



| R | R | 📦 | L inch |
|------------|------------|---|-----------|
| 302S-210-2 | 302T-210-2 | 1 | 8" |
| 302S-260-2 | 302T-260-2 | 1 | 10" |
| 302S-310-2 | 302T-310-2 | 1 | 12" |
| 302S-365-2 | 302T-365-2 | 1 | 14" |
| 302S-465-2 | 302T-465-2 | 1 | 18" |
| 302S-615-2 | 302T-615-2 | 1 | 24" |
| 302S-900-2 | 302T-900-2 | 1 | 36" |

SPARE PARTS FOR STILLSON ALUMINIUM WRENCH



| R | R | R | 📦 | L inch |
|------------|------------|------------|---|-----------|
| 304S-250-2 | 304T-250-2 | 304F-250-2 | 1 | 10" |
| 304S-350-2 | 304T-350-2 | 304F-350-2 | 1 | 14" |
| 304S-450-2 | 304T-450-2 | 304F-450-2 | 1 | 18" |
| 304S-600-2 | 304T-600-2 | 304F-600-2 | 1 | 24" |
| 304S-900-2 | 304T-900-2 | 304F-900-2 | 1 | 36" |

CHAIN PIPE WRENCH

CHAIN PIPE WRENCH



- Strong chain made of tempered special steel
- Jaws and body in forged hardened steel
- Double sided tooth system for ratchet-like use
- Self locking function in both directions

| E | Box | S | A mm | B mm | L mm | g |
|------------|-----|--------|------|------|-------|--------|
| 307-350-2 | 1 | 1.1/2" | 8 | 38 | 350 | 1.400 |
| 307-685-2 | 1 | 2.1/2" | 9 | 79 | 685 | 3.500 |
| 307-940-2 | 1 | 4" | 13 | 60 | 940 | 6.700 |
| 307-1122-2 | 1 | 6" | 20 | 75 | 1.122 | 12.600 |

SPARE CHAIN

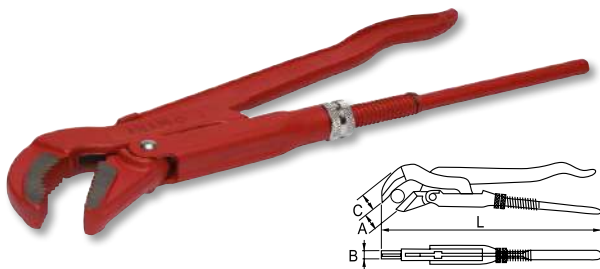


- Material: tempered special steel

| E | Box | Key | Weight |
|-------------|-----|------------|--------|
| 307S-350-2 | 1 | 307-350-2 | 340 |
| 307S-685-2 | 1 | 307-685-2 | 475 |
| 307S-940-2 | 1 | 307-940-2 | 560 |
| 307S-1122-2 | 1 | 307-1122-2 | 830 |

PIPE WRENCHES SWEDISH MODEL

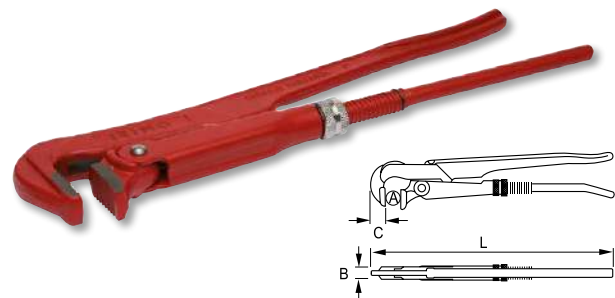
CORNER MOUTH



- Forged steel
- Epoxy painting
- Hardened gripping teeth

| E | Box | A inch | A mm | C mm | B mm | L mm | g |
|--------|-----|--------|------|------|------|------|-------|
| 303081 | 1 | 1/2" | 15 | 20 | 8 | 240 | 665 |
| 303111 | 1 | 1" | 25 | 25 | 11 | 315 | 1.145 |
| 303121 | 1 | 1.1/2" | 40 | 27 | 12 | 425 | 1.890 |
| 303131 | 1 | 2" | 50 | 30 | 13 | 550 | 3.275 |
| 303171 | 1 | 3" | 80 | 36 | 17 | 655 | 6.425 |

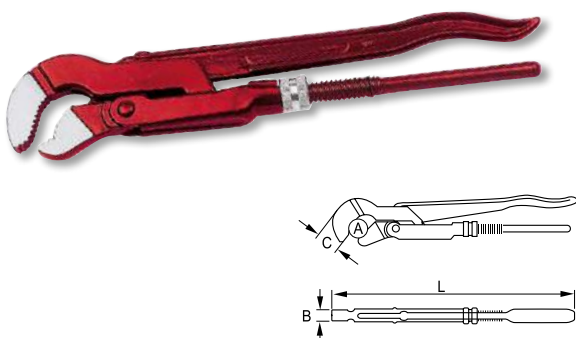
PERPENDICULAR MOUTH



- Forged steel
- Epoxy painting
- Hardened gripping teeth

| E | Box | A inch | A mm | C mm | B mm | L mm | g |
|--------|-----|--------|------|------|------|------|-------|
| 303201 | 1 | 1" | 25 | 16 | 18 | 320 | 800 |
| 303211 | 1 | 1.1/2" | 40 | 19 | 20 | 425 | 1.300 |
| 303221 | 1 | 2" | 50 | 21 | 25 | 560 | 2.300 |
| 303231 | 1 | 3" | 80 | 22 | 30 | 630 | 2.900 |
| 303241 | 1 | 4" | 117 | 30 | 32 | 735 | 5.900 |

CURVED MOUTH



- Forged steel
- Epoxy painting
- Hardened gripping teeth

| E | Box | A inch | A mm | C mm | B mm | L mm | g |
|--------|-----|--------|------|------|------|------|-------|
| 303291 | 1 | 1/2" | 15 | 13 | 16 | 235 | 400 |
| 303301 | 1 | 1" | 25 | 17 | 23 | 330 | 800 |
| 303311 | 1 | 1.1/2" | 40 | 19 | 27 | 420 | 1.400 |
| 303321 | 1 | 2" | 50 | 21 | 32 | 535 | 2.400 |
| 303331 | 1 | 3" | 80 | 24 | 34 | 648 | 4.200 |



PIPE CUTTERS

SMALL COPPER PIPE CUTTER



- Enamelled
- Phosphated finish

| € | 📦 | S | Ø mm | L mm | g |
|--------|---|---------------|--------|------|-----|
| 321161 | 2 | 1/8" - 5/8" | 3 - 16 | 58 | 122 |
| 321171 | 2 | 1/8" - 1.1/8" | 3 - 30 | 80 | 220 |

MULTIPURPOSE PIPE CUTTER



- Enamelled
- Phosphated finish

| € | 📦 | S | Ø mm | L mm | g |
|--------|---|---------------|--------|------|-----|
| 321281 | 1 | 1/8" - 1.1/8" | 3 - 30 | 30 | 321 |

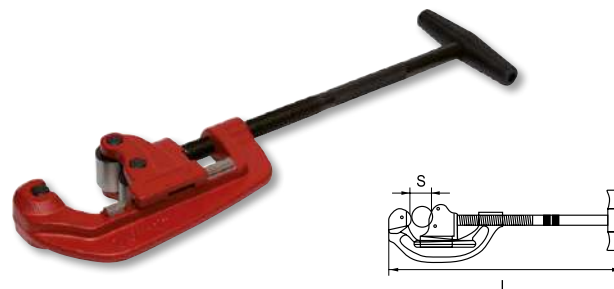
TELESCOPIC COPPER PIPE CUTTER



- Enamelled
- Phosphated finish

| € | 📦 | S | Ø mm | L mm | g |
|--------|---|---------------|--------|------|-----|
| 321361 | 1 | 1/8" - 1.3/8" | 3 - 35 | 160 | 330 |

STEEL PIPE CUTTER



- Enamelled
- Phosphated finish

| € | 📦 | S | Ø mm | L mm | g |
|--------|---|-----------|--------|------|-------|
| 321501 | 1 | 1/8" - 2" | 3 - 50 | 385 | 2.520 |

SPARE WHEELS



| € | 📦 | 🔧 | D mm | d mm | E mm | g |
|--------|---|-----------------------------------------------------|------|------|------|----|
| 321511 | 1 | 321161 / 321171 / 321281 / 321321 / 321351 / 321361 | 20 | 5 | 5 | 5 |
| 321551 | 1 | 321501 | 31 | 9 | 19 | 28 |

AUTO RETRACT PLASTIC TUBE CUTTER



- From 6 to 42 mm
- Used for PVC, CPVC, POLY, PEX & PE tube materials
- Retail packaging

| € | 📦 | L mm | g |
|----------|----|------|-----|
| 321-42-1 | 12 | 205 | 680 |

SPARE BLADE



- Spare blade for 312-42-1 Plastic tube cutter
- Retail packaging

| € | 📦 | g |
|-------------|----|----|
| 321-BLADE-1 | 25 | 58 |

GASKET CUTTERS

GASKET CUTTERS SET



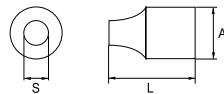
| Q | Box | Case | Dimensions | Weight |
|--------------------------------------------------------------------------------------------------------------|-----|------|----------------|--------|
| 332-51-4 | 1 | 11 | 140 x 130 x 40 | 680 |
| 333-003-2, 333-004-2, 333-006-2, 333-008-2, 333-010-2, 333-012-2, 333-014-2, 333-016-2, 333-018-2, 333-020-2 | | | | |
| 332S-030-2 | | | | |

GASKET CUTTERS SET



| Q | Box | Case | Dimensions | Weight |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|----------------|--------|
| 332-52-4 | 1 | 16 | 140 x 130 x 40 | 680 |
| 333-003-2, 333-004-2, 333-006-2, 333-008-2, 333-010-2, 333-012-2, 333-014-2, 333-016-2, 333-018-2, 333-020-2, 333-022-2, 333-024-2, 333-026-2, 333-028-2, 333-030-2 | | | | |
| 332S-030-2 | | | | |

GASKET CUTTERS



- Interchangeable gasket washer cutters
- Cuts all gasket materials: leather, rubber, cardboard, fibre, asbestos, lead, felt, plastic, etc.
- Triple shapening: inside, outside and cutting edge
- Atmosphere protected tempered alloy steel punches

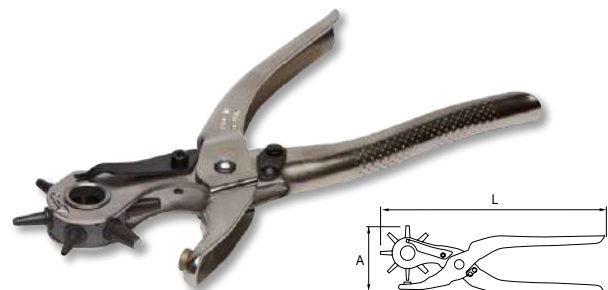
| Q | Box | S mm | Gasket | A mm | L mm | g |
|-----------|-----|------|-------------|------|------|----|
| 333-003-2 | 1 | 3 | 1/2 x 24 Z" | 14 | 31 | 15 |
| 333-004-2 | 1 | 4 | 1/2 x 24 Z" | 14 | 31 | 15 |
| 333-006-2 | 1 | 6 | 1/2 x 24 Z" | 14 | 31 | 15 |
| 333-008-2 | 1 | 8 | 1/2 x 24 Z" | 14 | 31 | 15 |
| 333-010-2 | 1 | 10 | 1/2 x 24 Z" | 14 | 31 | 15 |
| 333-012-2 | 1 | 12 | Flat | 25 | 30 | 30 |
| 333-014-2 | 1 | 14 | Flat | 25 | 30 | 30 |
| 333-016-2 | 1 | 16 | Flat | 25 | 30 | 30 |
| 333-018-2 | 1 | 18 | Flat | 25 | 30 | 30 |
| 333-020-2 | 1 | 20 | Flat | 25 | 30 | 30 |
| 333-022-2 | 1 | 22 | Flat | 35 | 35 | 50 |
| 333-024-2 | 1 | 24 | Flat | 35 | 35 | 50 |
| 333-026-2 | 1 | 26 | Flat | 35 | 35 | 50 |
| 333-028-2 | 1 | 28 | Flat | 35 | 35 | 50 |
| 333-030-2 | 1 | 30 | Flat | 35 | 35 | 50 |

WAD PUNCHES 3 - 30 HANDLE



| Q | Box | Dimensions | Weight |
|------------|-----|------------|--------|
| 332S-030-2 | 1 | 003-030 mm | 350 |

REVOLVER WAD PUNCHES



- Rotating wheel for 6 punching sizes in leather, rubber, plastic, canvas, joints and other similar material
- Easy selection and diameter hole vision to avoid errors
- Its exclusive design reduces necessary force in a 70%

| Q | Box | S | Ø mm | L mm | g |
|--------|-----|-----------|--------|------|-------|
| 330021 | 1 | 1/8" - 2" | 3 - 50 | 385 | 2.520 |







07. SCREWDRIVERS & BITS

SCREWDRIVERS



SLOTTED SCREWDRIVERS FOR ENGINEERINGS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 2380, DIN 5265, UNE 16516

| Part No. | Blade Width (mm) | Blade Thickness (mm) | Blade Length (mm) | Shaft Length (mm) | Shaft Diameter (mm) | Weight (g) | |
|-------------|------------------|----------------------|-------------------|-------------------|---------------------|------------|-----|
| 407-4-75 | 10 | 0.8 | 4 | 75 | 90 | 165 | 40 |
| 407-4-100 | 10 | 0.8 | 4 | 100 | 90 | 190 | 40 |
| 407-5.5-100 | 10 | 1 | 5.5 | 100 | 100 | 200 | 65 |
| 407-5.5-125 | 10 | 1 | 5.5 | 125 | 100 | 225 | 70 |
| 407-6.5-125 | 10 | 1.2 | 6.5 | 125 | 110 | 235 | 100 |
| 407-6.5-150 | 10 | 1.2 | 6.5 | 150 | 110 | 260 | 105 |
| 407-8-150 | 10 | 1.6 | 8 | 150 | 110 | 260 | 119 |
| 407-8-175 | 10 | 1.6 | 8 | 175 | 110 | 285 | 127 |
| 407-10-200 | 10 | 1.6 | 10 | 200 | 120 | 320 | 175 |
| 407-12-250 | 5 | 2 | 12 | 250 | 120 | 370 | 230 |
| 407-14-250 | 5 | 2.5 | 14 | 250 | 120 | 370 | 260 |

SLOTTED SCREWDRIVERS FOR ELECTRICIANS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 2380, DIN 5265, UNE 16516

| Part No. | Blade Width (mm) | Blade Thickness (mm) | Blade Length (mm) | Shaft Length (mm) | Shaft Diameter (mm) | Weight (g) | |
|-------------|------------------|----------------------|-------------------|-------------------|---------------------|------------|-----|
| 408-2.5-75 | 10 | 0.4 | 2.5 | 75 | 90 | 165 | 34 |
| 408-3-75 | 10 | 0.5 | 3 | 75 | 90 | 165 | 35 |
| 408-3-100 | 10 | 0.5 | 3 | 100 | 90 | 190 | 40 |
| 408-3-200 | 5 | 0.5 | 3 | 200 | 90 | 290 | 45 |
| 408-3.5-100 | 10 | 0.6 | 3.5 | 100 | 90 | 190 | 40 |
| 408-4-100 | 10 | 0.8 | 4 | 100 | 90 | 190 | 45 |
| 408-4-125 | 10 | 0.8 | 4 | 125 | 90 | 215 | 45 |
| 408-4-250 | 5 | 0.8 | 4 | 250 | 90 | 340 | 60 |
| 408-5.5-125 | 10 | 1 | 5.5 | 125 | 100 | 225 | 65 |
| 408-5.5-150 | 10 | 1 | 5.5 | 150 | 100 | 250 | 90 |
| 408-5.5-300 | 5 | 1 | 5 | 300 | 100 | 400 | 106 |
| 408-6.5-150 | 10 | 1.2 | 6.5 | 150 | 110 | 260 | 110 |

STUBBY SLOTTED SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Standard: ISO 2380, DIN 5265, UNE 16516

| Part No. | Blade Width (mm) | Blade Thickness (mm) | Blade Length (mm) | Shaft Length (mm) | Shaft Diameter (mm) | Weight (g) | |
|------------|------------------|----------------------|-------------------|-------------------|---------------------|------------|----|
| 408-5.5-25 | 10 | 1.2 | 5.0 | 25 | 60 | 85 | 35 |
| 408-6.5-25 | 10 | 1.2 | 6.0 | 25 | 60 | 85 | 35 |

PHILLIPS SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 8764, DIN 5262, UNE 16520

| Part No. | Blade Width (mm) | Tip Length (mm) | Shaft Length (mm) | Total Length (mm) | Weight (g) | |
|-----------|------------------|-----------------|-------------------|-------------------|------------|-----|
| 409-0-75 | 10 | PH-0 | 75 | 90 | 165 | 35 |
| 409-1-100 | 10 | PH-1 | 100 | 100 | 200 | 65 |
| 409-2-125 | 10 | PH-2 | 125 | 110 | 235 | 100 |
| 409-3-150 | 5 | PH-3 | 150 | 120 | 270 | 160 |
| 409-4-200 | 5 | PH-4 | 200 | 120 | 320 | 200 |
| 409-1-250 | 5 | PH-1 | 250 | 100 | 350 | 89 |
| 409-2-300 | 5 | PH-2 | 300 | 110 | 410 | 130 |

STUBBY PHILLIPS SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Standard: ISO 8764, DIN 5262, UNE 16520

| Part No. | Blade Width (mm) | Tip Length (mm) | Shaft Length (mm) | Total Length (mm) | Weight (g) | |
|----------|------------------|-----------------|-------------------|-------------------|------------|----|
| 409-1-25 | 10 | PH-1 | 25 | 60 | 85 | 35 |
| 409-2-25 | 10 | PH-2 | 25 | 60 | 85 | 35 |

POZIDRIV SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 8764, DIN 5262, UNE 16520

| Part No. | Blade Width (mm) | Tip Length (mm) | Shaft Length (mm) | Total Length (mm) | Weight (g) | |
|-----------|------------------|-----------------|-------------------|-------------------|------------|-----|
| 413-0-75 | 5 | PZ-0 | 75 | 90 | 165 | 35 |
| 413-1-100 | 5 | PZ-1 | 100 | 100 | 200 | 75 |
| 413-2-125 | 5 | PZ-2 | 125 | 110 | 235 | 100 |
| 413-3-150 | 5 | PZ-3 | 150 | 120 | 270 | 160 |
| 413-4-200 | 5 | PZ-4 | 200 | 120 | 270 | 205 |

STUBBY POZIDRIV SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Vapour blasted tip for greater screw-tip adherence and full anti-rust guarantee
- Standard: ISO 8764, DIN 5262, UNE 16520

| Part No. | Blade Width (mm) | Tip Length (mm) | Shaft Length (mm) | Total Length (mm) | Weight (g) | |
|----------|------------------|-----------------|-------------------|-------------------|------------|----|
| 413-1-25 | 10 | PZ-1 | 25 | 60 | 85 | 35 |
| 413-2-25 | 10 | PZ-2 | 25 | 60 | 85 | 35 |



SCREWDRIVERS

TORX® SCREWDRIVERS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification

| Part No. | Box | Icon | Tip Size (mm) | Blade Length (mm) | Shaft Length (mm) | Total Length (mm) | Weight (g) |
|------------|-----|------|---------------|-------------------|-------------------|-------------------|------------|
| 414-5-75 | 10 | T-5 | 2.5 | 75 | 90 | 165 | 32 |
| 414-6-75 | 10 | T-6 | 3 | 75 | 90 | 165 | 35 |
| 414-7-75 | 10 | T-7 | 3 | 75 | 90 | 165 | 35 |
| 414-8-75 | 10 | T-8 | 3 | 75 | 90 | 165 | 35 |
| 414-9-75 | 10 | T-9 | 3 | 75 | 90 | 165 | 35 |
| 414-10-75 | 10 | T-10 | 3 | 75 | 90 | 165 | 35 |
| 414-15-100 | 10 | T-15 | 3.5 | 100 | 90 | 190 | 45 |
| 414-20-100 | 10 | T-20 | 4 | 100 | 90 | 190 | 45 |
| 414-25-125 | 10 | T-25 | 5 | 125 | 100 | 225 | 70 |
| 414-27-125 | 10 | T-27 | 5.5 | 125 | 100 | 225 | 70 |
| 414-30-150 | 10 | T-30 | 6 | 150 | 110 | 260 | 105 |
| 414-40-150 | 5 | T-40 | 7 | 150 | 110 | 260 | 120 |
| 414-45-150 | 5 | T-45 | 7 | 150 | 110 | 260 | 120 |

NUT DRIVER WITH HANDLE 1/4"



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV. Chrome-plated and entirely hardened
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 691, DIN 3125, UNE 16502

| Part No. | Box | Icon | Tip Size (mm) | Blade Length (mm) | Shaft Length (mm) | Total Length (mm) | Weight (g) |
|-------------|-----|------|---------------|-------------------|-------------------|-------------------|------------|
| 417-3.2-125 | 5 | 3.2 | 5.7 | 125 | 90 | 215 | 60 |
| 417-4-125 | 5 | 4 | 6.9 | 125 | 90 | 215 | 60 |
| 417-4.5-125 | 5 | 4.5 | 7.5 | 125 | 90 | 215 | 60 |
| 417-5-125 | 5 | 5 | 8.2 | 125 | 100 | 250 | 70 |
| 417-5.5-125 | 5 | 5.5 | 8.8 | 125 | 100 | 250 | 70 |
| 417-6-125 | 5 | 6 | 9.4 | 125 | 100 | 250 | 70 |
| 417-7-125 | 5 | 7 | 11.0 | 125 | 110 | 260 | 120 |
| 417-8-125 | 5 | 8 | 12.2 | 125 | 110 | 260 | 120 |
| 417-9-125 | 5 | 9 | 13.5 | 125 | 110 | 260 | 120 |
| 417-10-125 | 5 | 10 | 14.7 | 125 | 110 | 260 | 120 |
| 417-11-125 | 5 | 11 | 16.0 | 125 | 120 | 270 | 155 |
| 417-12-125 | 5 | 12 | 17.2 | 125 | 120 | 270 | 155 |
| 417-13-125 | 5 | 13 | 18.5 | 125 | 120 | 270 | 155 |
| 417-14-125 | 5 | 14 | 19.7 | 125 | 120 | 270 | 155 |

MAGNETIC BIT HOLDER FOR 1/4" BITS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV
- Strong magnet
- Size and part number are laser branded on the blade for easy identification

| Part No. | Box | Icon | Tip Size (mm) | Blade Length (mm) | Total Length (mm) | Weight (g) |
|-------------|-----|------|---------------|-------------------|-------------------|------------|
| 475-1/4-125 | 5 | 1/4" | 125 | 235 | 112 | |

FLEXIBLE BLADE BIT HOLDER FOR 1/4" BITS



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV
- Flexible blade
- With retaining ring

| Part No. | Box | Icon | Tip Size (mm) | Blade Length (mm) | Total Length (mm) | Weight (g) |
|--------------|-----|------|---------------|-------------------|-------------------|------------|
| 475-1/4F-160 | 5 | 1/4" | 160 | 270 | 135 | |

NUT DRIVER WITH HANDLE, WITH FLEXIBLE BLADE 1/4"



- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, CrV
- Flexible blade

| Code | Box | mm | mm | mm | g |
|------------|-----|----|-----|-----|-----|
| 190-6-135 | 1 | 6 | 135 | 260 | 125 |
| 190-7-135 | 1 | 7 | 135 | 270 | 125 |
| 190-8-135 | 1 | 8 | 135 | 270 | 125 |
| 190-10-135 | 1 | 10 | 135 | 270 | 125 |

RATCHETING BIT HOLDER FOR 1/4" BITS

RATCHETING BIT HOLDER SCREWDRIVER FOR 1/4" BITS



- Handle: 2-component handle
- Interchangeable bit storage compartment with release button for quick access
- Slide tray that keeps 12 different bits: Slotted 4, 5, 6 mm; PH 1, 2, 3; TORX® 15, 20, 25; Hex 3, 4, 5 mm
- Magnetic blade secures bit in screwdriver
- Smooth ratcheting stroke
- Three position ratchet mechanism: forward, reverse and neutral

| Code | Box | mm | mm | mm | mm | g |
|--------------|-----|------|-----|-----|-----|-----|
| 475R-1/4-110 | 6 | 1/4" | 110 | 125 | 235 | 310 |

RATCHETING BIT HOLDER STUBBY FOR 1/4" BITS



- Ratcheting bit holder stubby for 1/4" bits
- Handle: 2-component handle
- Interchangeable bit storage
- 6 double ended bits: Slotted 5.0, 6.0; PH1, PH2; T15, T20, T25, T30; Hex 2.5, 3, 4, 5 mm
- Magnetic blade secures bit in screwdriver
- Smooth ratcheting stroke, three position ratchet mechanism
- Presented in a blister packaging

| Code | Box | mm | mm | mm | mm | g |
|-------------|-----|------|----|----|-----|-----|
| 475R-1/4-30 | 6 | 1/4" | 30 | 80 | 110 | 192 |



INSULATED SCREWDRIVER, 1000V

SLOTTED INSULATED 1000V SCREWDRIVERS



- For work on live equipment, up to 1000V
- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, insulation moulded directly onto blade. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 2380

| R | Icon | mm | mm | mm | mm | mm | g |
|--------------|------|-----|-----|-----|-----|-----|-----|
| 408V-2.5-100 | 10 | 0.4 | 2.5 | 100 | 90 | 165 | 20 |
| 408V-3-100 | 10 | 0.5 | 3 | 100 | 90 | 190 | 22 |
| 408V-3.5-100 | 10 | 0.6 | 3.5 | 100 | 90 | 190 | 32 |
| 408V-4-100 | 10 | 0.8 | 4 | 100 | 90 | 190 | 35 |
| 408V-5.5-125 | 10 | 1 | 5.5 | 125 | 100 | 225 | 65 |
| 408V-6.5-150 | 10 | 1.2 | 6.5 | 150 | 110 | 260 | 90 |
| 408V-8-175 | 5 | 1.2 | 8 | 175 | 120 | 295 | 110 |

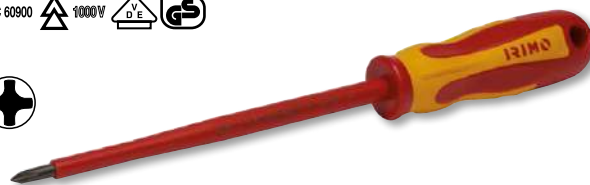
POZIDRIV INSULATED 1000V SCREWDRIVERS



- For work on live equipment, up to 1000V
- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, insulation moulded directly onto blade. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 8764

| R | Icon | mm | mm | mm | mm | g |
|------------|------|------|-----|-----|-----|-----|
| 413V-0-100 | 10 | PZ-0 | 100 | 90 | 190 | 40 |
| 413V-1-150 | 10 | PZ-1 | 150 | 100 | 260 | 80 |
| 413V-2-175 | 10 | PZ-2 | 175 | 110 | 285 | 120 |
| 413V-3-200 | 5 | PZ-3 | 200 | 120 | 320 | 180 |

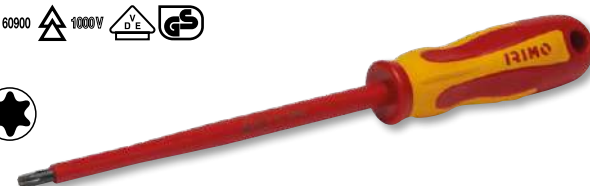
PHILLIPS INSULATED 1000V SCREWDRIVERS



- For work on live equipment, up to 1000V
- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, insulation moulded directly onto blade. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 8764

| R | Icon | mm | mm | mm | mm | g |
|------------|------|------|-----|-----|-----|-----|
| 409V-0-100 | 10 | PH-0 | 100 | 90 | 190 | 40 |
| 409V-1-150 | 10 | PH-1 | 150 | 100 | 260 | 80 |
| 409V-2-175 | 10 | PH-2 | 175 | 110 | 285 | 120 |
| 409V-3-200 | 5 | PH-3 | 200 | 120 | 320 | 180 |

TORX® INSULATED 1000V SCREWDRIVERS

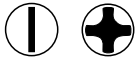


- For work on live equipment, up to 1000V
- 2-component handle with hanging hole
- Blade is made of high performance alloy steel, insulation moulded directly onto blade. Black finish tip for higher accuracy
- Size and part number are laser branded on the blade for easy identification
- Standard: ISO 8764




| R | Icon | mm | mm | mm | mm | g |
|-------------|------|------|-----|-----|-----|-----|
| 414V-10-100 | 10 | T-10 | 100 | 90 | 190 | 320 |
| 414V-15-125 | 10 | T-15 | 125 | 100 | 225 | 650 |
| 414V-20-125 | 10 | T-20 | 125 | 100 | 225 | 750 |
| 414V-25-150 | 10 | T-25 | 150 | 110 | 360 | 900 |

TWIN PACK INSULATED SCREWDRIVERS + TESTER

IEC 60900   

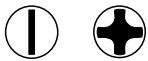


- Screwdriver set, 3 pcs
- Includes 2 screwdrivers and 1 main tester 150V-250V
- For slotted and Phillips head screws




| Code | Quantity | Weight (g) | Dimensions (mm) | Accessories |
|------------|----------|------------|-----------------|-------------------------------------------------------------------------------------|
| 459V-3-1 | 1 | 3 | 35x130x310 | 35 |
| 408V-4-100 | | | |  |
| 409V-1-150 | | | |  |
| 429-03-1 | | | |  |

SCREWDRIVER SETS

SCREWDRIVER SET, 6 pieces






- For slotted and Phillips head screws
- In cardboard box

| Code | Quantity | Weight (g) | Dimensions (mm) | Accessories |
|--------------------------|----------|------------|-----------------|-------------------------------------------------------------------------------------|
| 459-6-C | 1 | 6 | 42x325x160 | 570 |
| 408-3-75, 408-4-100 | | | |  |
| 407-5.5-125, 407-6.5-150 | | | |  |
| 409-1-100, 409-2-125 | | | |  |

SCREWDRIVER SET FOR ENGINEERINGS, 6 pieces



- For slotted and Pozidriv head screws
- In cardboard box

| Code | Quantity | Weight (g) | Dimensions (mm) | Accessories |
|--------------------------|----------|------------|-----------------|---------------------------------------------------------------------------------------|
| 459-6A-C | 1 | 6 | 42x325x160 | 570 |
| 408-3-75, 408-4-100 | | | |  |
| 407-5.5-125, 407-6.5-150 | | | |  |
| 413-1-100, 413-2-125 | | | |  |



SCREWDRIVER SETS

SCREWDRIVER SET, 5 pieces



- For slotted and Phillips head screws
- In clamshell packaging

| Code | Qty | Icons | Dimensions | Weight |
|----------------------|-----|-------------|----------------|--------|
| 459-5-B | 1 | [Clamshell] | 48 x 190 x 335 | 435 |
| 408-3-75, 408-4-100 | | [Slotted] | | |
| 407-6.5-150 | | [Slotted] | | |
| 409-1-100, 409-2-125 | | [Phillips] | | |

SCREWDRIVER SET, 6 pieces



- For TORX® head screws
- In cardboard box

| Code | Qty | Icons | Dimensions | Weight |
|-----------------------------------------------------------------------|-----|-------------|----------------|--------|
| 459-6B-C | 1 | [Cardboard] | 42 x 325 x 160 | 470 |
| 414-10-75, 414-15-100, 414-20-100, 414-25-125, 414-27-125, 414-30-150 | | [TORX] | | |

SCREWDRIVER SET FOR ELECTRICIANS, 6 pieces

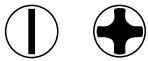


- For slotted and Phillips head screws
- In cardboard box

| Code | Qty | Icons | Dimensions | Weight |
|-----------------------------------|-----|-------------|----------------|--------|
| 459-6C-C | 1 | [Cardboard] | 42 x 325 x 160 | 505 |
| 408-3-100, 408-4-125, 408-5.5-150 | | [Slotted] | | |
| 409-1-100, 409-2-125 | | [Phillips] | | |
| 429-03-1 | | [Slotted] | | |

SCREWDRIVER DISPLAYS

SCREWDRIVERS DISPLAY, 83 pieces



- Screwdriver display of 83 pieces
- For slotted and Phillips head screws

| | | | | |
|------------|---|----|-------------|-------|
| | | | | |
| 910-83DISP | 1 | 83 | 500x450x250 | 8.500 |

MEE-COUNT-IR-2 Stand alone

8x 408-3-75, 8x 408-4-100, 6x 408-5.5-150, 7x 408-6.5-150

6x 407-10-200, 8x 407-4-100, 7x 407-5.5-125, 6x 407-6.5-150, 6x 407-8-175

8x 409-0-75, 7x 409-1-100, 6x 409-2-125

SCREWDRIVERS DISPLAY, 152 pieces



- Screwdriver display of 152 pieces
- For slotted, Phillips and TORX® head screws

| | | | | |
|-------------|---|-----|-------------|--------|
| | | | | |
| 910-152DISP | 1 | 152 | 775x450x250 | 14.100 |

MEE-COUNT-IR-3 Stand alone

8x 408-2.5-75, 8x 408-3.5-100, 8x 408-3-75, 8x 408-4-100, 7x 408-5.5-125, 6x 408-6.5-150

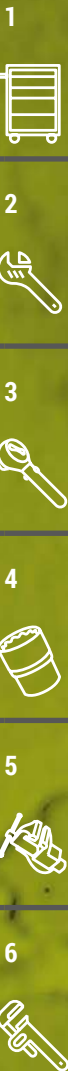
6x 407-10-200, 8x 407-4-100, 7x 407-5.5-125, 6x 407-6.5-150, 6x 407-8-175

6x 408-6.5-25

8x 409-0-75, 7x 409-1-100, 6x 409-2-125, 6x 409-3-150

6x 409-2-25

8x 414-10, 7x 414-15, 7x 414-20, 7x 414-25, 6x 414-30



INSULATED SCREWDRIVER SETS

INSULATED 1000V SCREWDRIVER SET, 6 pieces

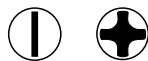


- Screwdriver set of 6 pieces
- For slotted and Phillips head screws
- In cardboard box

| IRIMO | Box | Quantity | Dimensions | Weight |
|------------------------------------------------------|-----|----------|------------|--------|
| 459V-6-C | 1 | 6 | 42x325x160 | 580 |
| 408V-2.5-100, 408V-4-100, 408V-5.5-125, 408V-6.5-150 | | | | |
| 409V-1-150, 409V-2-175 | | | | |

INSULATED SCREWDRIVER DISPLAYS

INSULATED SCREWDRIVERS DISPLAY, 72 pieces



- Insulated screwdrivers display, 72 pieces
- For slotted and Phillips head screws

| IRIMO | Box | Quantity | Dimensions | Weight |
|-----------------------------------------------------------------------------------------------------------------|-----|-------------|-------------|--------|
| 910V-72DISP | 1 | 72 | 500x450x250 | 9.075 |
| MEE-COUNT-IR-2 | | Stand alone | | |
| 8x 408V-2.5-100, 8x 408V-3.5-100, 8x 408V-3-100, 8x 408V-4-100, 7x 408V-5.5-125, 6x 408V-6.5-150, 6x 408V-8-175 | | | | |
| 8x 409V-0-100, 7x 409V-1-150, 6x 409V-2-175 | | | | |

T-HANDLE SCREWDRIVERS

T-HANDLE WITH HEXAGONAL TIP



- Blade is made of high quality steel. Black finish
- The long blade allows to apply a controlled torque and provides an easy access to screws requiring depth
- The short 90° blade is used for extreme torque or to work in areas where height is limited
- Size and part number are laser branded on the blade for easy identification
- Rotating cap in the handle that allows a fast finger movement during turning reducing tightening time

| IRIMO | Box | Quantity | Length | Width | Height | Weight |
|-------------|-----|----------|--------|-------|--------|--------|
| 42-H2-100 | 5 | 2 | 130 | 100 | 64x30 | 23 |
| 42-H2.5-100 | 5 | 2.5 | 130 | 100 | 64x30 | 25 |
| 42-H3-100 | 5 | 3 | 130 | 100 | 64x30 | 28 |
| 42-H4-150 | 5 | 4 | 190 | 150 | 80x40 | 57 |
| 42-H5-150 | 5 | 5 | 190 | 150 | 80x40 | 70 |
| 42-H6-200 | 5 | 6 | 250 | 200 | 100x50 | 134 |
| 42-H8-200 | 5 | 8 | 250 | 200 | 100x50 | 186 |
| 42-H10-200 | 5 | 10 | 250 | 200 | 100x50 | 254 |

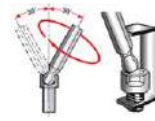
T-HANDLE WITH TORX® TIP



- Blade is made of high quality steel. Black finish
- The long blade allows to apply a controlled torque and provides an easy access to screws requiring depth
- The short 90° blade is used for extreme torque or to work in areas where height is limited
- Size and part number are laser branded on the blade for easy identification
- Rotating cap in the handle that allows a fast finger movement during turning reducing tightening time

| Part No. | Blade Length (mm) | Blade Width (mm) | Blade Height (mm) | Blade Thickness (mm) | Blade Depth (mm) | Weight (g) |
|------------|-------------------|------------------|-------------------|----------------------|------------------|------------|
| 46-T10-100 | 5 | T10 | 2.72 | 130 | 100 | 64x30 27 |
| 46-T15-150 | 5 | T15 | 3.26 | 190 | 150 | 80x40 55 |
| 46-T20-150 | 5 | T20 | 3.84 | 190 | 150 | 80x40 55 |
| 46-T25-150 | 5 | T25 | 4.40 | 190 | 150 | 80x40 66 |
| 46-T30-200 | 5 | T30 | 5.49 | 250 | 200 | 100x50 126 |
| 46-T40-200 | 5 | T40 | 6.60 | 250 | 200 | 100x50 147 |

T-HANDLE WITH HEXAGONAL BALL TIP



- Blade: high quality steel. Black finish
- The long blade allows to apply a controlled torque and provides an easy access to screws requiring depth
- The short 90° blade is used for extreme torque or to work in areas where height is limited
- Ball end allows to easily insert the tip in the screw head from a range of angles
- More efficient and time saving than a standard T Handle
- Branding: size and part number laser branded in the blade for easier identification

| Part No. | Blade Length (mm) | Blade Width (mm) | Blade Height (mm) | Blade Thickness (mm) | Blade Depth (mm) | Weight (g) |
|-------------|-------------------|------------------|-------------------|----------------------|------------------|------------|
| 42B-H3-100 | 5 | 3 | 130 | 100 | 64x30 | 28 |
| 42B-H4-150 | 5 | 4 | 190 | 150 | 80x40 | 57 |
| 42B-H5-150 | 5 | 5 | 190 | 150 | 80x40 | 70 |
| 42B-H6-200 | 5 | 6 | 250 | 200 | 100x50 | 134 |
| 42B-H8-200 | 5 | 8 | 250 | 200 | 100x50 | 186 |
| 42B-H10-200 | 5 | 10 | 250 | 200 | 100x50 | 254 |

T-HANDLE SCREWDRIVERS, NUT DRIVER



- Blade is made of high quality steel
- Size and part number are laser branded on the blade for easy identification
- Rotating cap in the handle that allows a fast finger movement during turning reducing tightening time

| Part No. | Blade Length (mm) | Blade Width (mm) | Blade Height (mm) | Blade Thickness (mm) | Blade Depth (mm) | Weight (g) |
|------------|-------------------|------------------|-------------------|----------------------|------------------|------------|
| 191-6-150 | 5 | 6 | 190 | 150 | 69x40 | 78 |
| 191-7-175 | 5 | 7 | 225 | 175 | 84x50 | 121 |
| 191-8-175 | 5 | 8 | 225 | 175 | 84x50 | 123 |
| 191-10-175 | 5 | 10 | 225 | 175 | 84x50 | 160 |
| 191-12-175 | 5 | 12 | 225 | 175 | 84x50 | 167 |
| 191-13-175 | 5 | 13 | 225 | 175 | 84x50 | 172 |

HEX BALL END T HANDLE SET, 6 pieces



- T-handle hexagonal ball tip, 6 pcs
- In clamshell packaging

| Part No. | Blade Length (mm) | Blade Width (mm) | Blade Height (mm) | Blade Thickness (mm) | Blade Depth (mm) | Weight (g) |
|----------|-------------------|------------------|-------------------|----------------------|------------------|------------|
| 42B-6-B | 1 | 6 | 355x247x40 | | | 120 |

42B-H10-200, 42B-H3-100, 42B-H4-150, 42B-H5-150, 42B-H6-200, 42B-H8-200



6 IN 1 SCREWDRIVER



- Double ended bits (6.35 x 65 mm): PH1 - 5 mm
- Double ended bits (8 x 75 mm): PH2 - 6 mm
- Nut Driver: 6 mm - 8 mm

| | | | | | |
|---------|---|--------------|----|-----|-----|
| | | | | | |
| 475-S-1 | 1 | 1/4" / 5/16" | 50 | 110 | 160 |
| | | | | | 312 |

REVERSIBLE SCREWDRIVER



- Impact resistant plastic handle
- Blade is made of high performance alloy steel. Nickel plated blade

| | | | | | |
|--------|----|-----|---|------|-----|
| | | | | | |
| 427411 | 10 | 1.2 | 6 | PH-2 | 156 |
| | | | | | 26 |

MAGNETISER



- For magnetizing and demagnetizing different tools
- Simple and easy to use small devise
- Material: magnet, plastic
- Packaging: in blister pack

| | | | |
|----------|---|----------|-----|
| | | | |
| 458-02-1 | 5 | 53x50x30 | 164 |

PRECISION SCREWDRIVER

PRECISION SCREWDRIVER SET, 6 pieces



- Precision screwdriver set, 6 pcs
- Chrome Vanadium steel blades
- Chrome plated finish and black tips
- Free turning caps for easy and accurate driving
- Sliding system of the plastic frame to open and release
- Sizes included:
 - 4 slotted: 1.6-2.0-2.5-3.0 mm
 - 2 Phillips: PH00-PH0

| | | | | |
|---------|---|-----|----|-----|
| | | | | |
| 461-6-B | 1 | 150 | 50 | 120 |

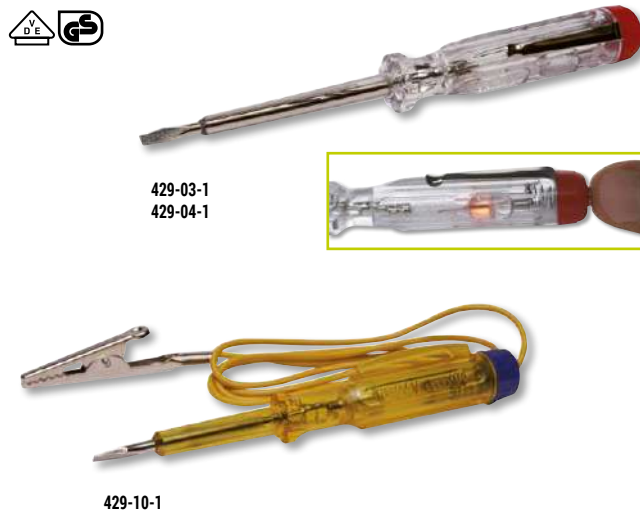
POCKET PRECISION SCREWDRIVER



- 4 ends tips: PH0 / 3 mm and PH1/4 mm
- Satin finish, head treated bits
- Easy carrying pen size with clip

| | | | | | |
|---------|----|---------|-----|---------|-------|
| | | | | | |
| 478-4-1 | 1 | PH0/PH1 | 120 | 3.0/4.0 | 20 |
| 478-4-2 | 48 | PH0/PH1 | 120 | 3.0/4.0 | 1.100 |

VOLTAGE TESTER



- Handle: clear transparent plastic handle, impact resistant
- Blade: high quality steel, nickel plated blade, plastic protection up to the tip
- According to DIN VDE0680/6 GS-marked
- 429-10-1: Auto tester 6-24-V

| | | | | | | | |
|----------|---|-----|-----|-----|----|-----|----|
| | | | | | | | |
| 429-03-1 | 6 | 0.6 | 3.0 | 65 | 75 | 140 | 30 |
| 429-04-1 | 6 | - | 3.5 | 100 | 90 | 190 | 29 |
| 429-10-1 | 6 | - | 3.0 | 45 | 75 | 120 | 22 |



NICKEL PLATED KEYS FOR HEX SCREWS

NICKEL PLATED KEYS, METRIC



- High quality steel, entirely hardened
- Nickel plated
- Size stamped on the blade for easy identification
- Standard: ISO 2936

| Part No. | Box Qty | Hex Size (mm) | a (mm) | b (mm) | Weight (g) |
|----------|---------|---------------|--------|--------|------------|
| 040001 | 10 | 1.5 | 15 | 47 | 1 |
| 040011 | 10 | 2.0 | 18 | 52 | 1 |
| 040021 | 10 | 2.5 | 21 | 59 | 3 |
| 040031 | 10 | 3.0 | 23 | 66 | 4 |
| 040041 | 10 | 4.0 | 29 | 74 | 10 |
| 040051 | 10 | 5.0 | 33 | 85 | 18 |
| 040061 | 10 | 6.0 | 38 | 96 | 29 |
| 040071 | 10 | 7.0 | 41 | 102 | 41 |
| 040081 | 10 | 8.0 | 44 | 108 | 57 |
| 040091 | 5 | 9.0 | 47 | 114 | 76 |
| 040101 | 5 | 10.0 | 50 | 122 | 100 |
| 040121 | 5 | 12.0 | 57 | 137 | 163 |
| 040141 | 1 | 14.0 | 70 | 154 | 253 |
| 040171 | 1 | 17.0 | 80 | 177 | 427 |
| 040191 | 1 | 19.0 | 89 | 199 | 600 |
| 040221 | 1 | 22.0 | 102 | 222 | 910 |

NICKEL PLATED KEYS, INCHES



- High quality steel, entirely hardened
- Nickel plated
- Size stamped on the blade for easy identification
- Standard: ISO 2936

| Part No. | Box Qty | Hex Size (in) | a (mm) | b (mm) | Weight (g) |
|----------|---------|---------------|--------|--------|------------|
| 040541 | 10 | 1/16" | 15 | 47 | 1 |
| 040011 | 10 | 5/64" | 18 | 52 | 1 |
| 040561 | 10 | 3/32" | 21 | 59 | 3 |
| 040581 | 10 | 1/8" | 23 | 66 | 4 |
| 040041 | 10 | 5/32" | 29 | 74 | 10 |
| 040601 | 10 | 3/16" | 33 | 85 | 18 |
| 040611 | 10 | 7/32" | 35.5 | 91 | 29 |
| 040621 | 10 | 1/4" | 38 | 96 | 32 |
| 040641 | 10 | 5/16" | 44 | 108 | 60 |
| 040661 | 5 | 3/8" | 50 | 122 | 100 |
| 040681 | 5 | 7/16" | 53 | 129 | 140 |
| 040701 | 5 | 1/2" | 63 | 145 | 182 |
| 040731 | 1 | 5/8" | 76 | 168 | 370 |
| 040191 | 1 | 3/4" | 89 | 199 | 601 |

NICKEL PLATED KEYS SETS, METRIC



- In plastic wallet
- Sizes marked at the top of the wallet, for an easy identification
- Hanging hole

| Part No. | Box Qty | Quantity | Hex Sizes (mm) | Weight (g) |
|----------|---------|----------|------------------------------------------------------------------------|------------|
| 041011 | 1 | 6 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0 mm | 76 |
| 041071 | 1 | 8 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0 mm | 180 |
| 041021 | 1 | 10 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10, 12 mm | 380 |
| 041091 | 1 | 11 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10, 12 mm | 570 |
| 041031 | 1 | 13 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10, 12, 14, 17, 19 mm | 1.800 |
| 041101 | 1 | 15 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10, 12, 14, 17, 19, 22 mm | 2.920 |

NICKEL PLATED KEYS SETS, INCHES



- In plastic wallet
- Sizes marked at the top of the wallet, for an easy identification
- Hanging hole

| Part No. | Box Qty | Quantity | Hex Sizes (in) | Weight (g) |
|----------|---------|----------|-------------------------------------------------------------------|------------|
| 041041 | 1 | 5 | 1/8, 5/32, 3/16, 7/32, 1/4" | 95 |
| 041051 | 1 | 9 | 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2" | 580 |
| 041061 | 1 | 12 | 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4" | 1.865 |

NICKEL PLATED KEYS SETS



• On ring

| Part No. | Box | Box Qty | Size | Weight (g) |
|----------|-----|---------|-----------------------|------------|
| 041111 | 1 | 6 | 2-2.5-3-4-5-6 mm | 77 |
| 041121 | 1 | 8 | 2-2.5-3-4-5-6-8-10 mm | 240 |

OFFSET SCREWDRIVER SET, 3 pieces



- 3 pieces with double tips (Slotted & Phillips)
- Chrome plated keys set for hex screws, in metric
- Content: Slotted (5.0, 6.0, 8.0 mm); Phillips (PH1, PH2, PH3)
- Packaging: in blister pack

| Part No. | Box | Box Qty | Dimensions | Weight (g) |
|----------|-----|---------|------------|------------|
| 420-3-1 | 1 | 3 | 20x230x100 | 202 |

CHROME PLATED KEYS FOR HEX SCREWS, LONG

CHROME PLATED BLADE SET FOR HEX SCREWS, LONG BALL END METRIC



- Set of long ball end hex keys, 9 pieces, metric
- In plastic holder with hanging hole
- Sizes marked at the top of the lid, for an easy identification
- In blister packaging

| Part No. | Box | Box Qty | Size | Weight (g) |
|----------|-----|---------|---------------------------|------------|
| 48-9C-H | 1 | 9 | 1.5-2-2.5-3-4-5-6-8-10 mm | 360 |

BLACK KEYS FOR HEX SCREWS

BLACK KEYS, METRIC



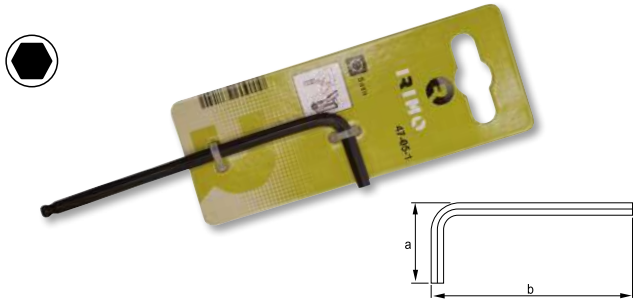
- High quality steel, entirely hardened
- Black finish
- Size stamped on the blade for easy identification
- Standard: ISO 2936

| Part No. | Box | Hex Size (mm) | a (mm) | b (mm) | Weight (g) |
|----------|-----|---------------|--------|--------|------------|
| 045001 | 10 | 1.5 | 15 | 47 | 1 |
| 045011 | 10 | 2.0 | 18 | 52 | 2 |
| 045021 | 10 | 2.5 | 21 | 59 | 3 |
| 045031 | 10 | 3.0 | 23 | 66 | 4 |
| 045041 | 10 | 4.0 | 29 | 74 | 10 |
| 045051 | 10 | 5.0 | 33 | 85 | 13 |
| 045061 | 10 | 6.0 | 38 | 95 | 29 |
| 045071 | 10 | 7.0 | 41 | 102 | 41 |
| 045081 | 10 | 8.0 | 44 | 105 | 57 |
| 045091 | 5 | 9.0 | 47 | 114 | 76 |
| 045101 | 5 | 10.0 | 50 | 122 | 100 |
| 045121 | 5 | 12.0 | 57 | 137 | 163 |
| 045141 | 1 | 14.0 | 70 | 154 | 253 |
| 045171 | 1 | 17.0 | 80 | 177 | 427 |
| 045191 | 1 | 19.0 | 89 | 199 | 600 |
| 045221 | 1 | 22.0 | 102 | 222 | 910 |



BLACK KEYS FOR HEX SCREWS

BLACK KEYS, METRIC



- High quality steel, entirely hardened
- Black finish
- Size stamped on the blade for easy identification
- Standard: ISO 2936

| Code | Box | Hex Size (mm) | a (mm) | b (mm) | Weight (g) |
|---------|-----|---------------|--------|--------|------------|
| 45-00-1 | 1 | 1.5 | 14.5 | 45.5 | 5.4 |
| 45-01-1 | 1 | 2.0 | 27.0 | 51.0 | 6.4 |
| 45-02-1 | 1 | 2.5 | 19.5 | 55.5 | 7.5 |
| 45-03-1 | 1 | 3.0 | 22.0 | 64.0 | 9.4 |
| 45-04-1 | 1 | 4.0 | 28.0 | 72.0 | 14.4 |
| 45-05-1 | 1 | 5.0 | 22.0 | 83.0 | 22.4 |
| 45-06-1 | 1 | 6.0 | 38.0 | 94.0 | 33.8 |
| 45-08-1 | 1 | 7.0 | 37.0 | 105.0 | 63.8 |
| 45-10-1 | 1 | 10.0 | 49.0 | 119.0 | 107.3 |

BLACK KEYS SETS, METRIC



- Set of black finish hex keys, 9 pieces, metric
- In plastic holder with hanging hole
- Sizes marked at the top of the wallet, for an easy identification
- In blister packaging

| Code | Box | Quantity | Hex Sizes (mm) | Weight (g) |
|--------|-----|----------|-----------------------------------|------------|
| 46-9-H | 1 | 9 | 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm | 270 |

BLACK KEYS SETS, METRIC



- In plastic wallet
- Sizes marked at the top of the wallet, for an easy identification
- Hanging hole

| Code | Box | Quantity | Hex Sizes (mm) | Weight (g) |
|--------|-----|----------|------------------------------------------------------------------------|------------|
| 046011 | 1 | 6 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0 mm | 76 |
| 046021 | 1 | 10 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10, 12 mm | 180 |
| 046091 | 1 | 11 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10, 12 mm | 460 |
| 046031 | 1 | 13 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10, 12, 17, 19 mm | 1.805 |
| 046101 | 1 | 15 | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10, 12, 14, 17, 19, 22 mm | 2.830 |

BLACK KEYS SETS, METRIC



- Set of black finish hex keys, 8 pieces, metric
- In high quality impact resistant folder
- Allows many different working positions
- Positive stop at 270° degrees, for maximum leverage
- Easy to store
- Retail packaging with hanger

| Code | Box | Quantity | Hex Sizes (mm) | Weight (g) |
|--------|-----|----------|-------------------------------------------|------------|
| 46-8-F | 1 | 8 | 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0 mm | 160 |

BLACK KEYS, INCHES



- High quality steel, entirely hardened
- Black finish
- Size stamped on the blade for easy identification
- Standard: ISO 2936

| Part No. | Box Qty | Hex Size | a mm | b mm | g |
|----------|---------|----------|------|------|-----|
| 045541 | 10 | 1/16" | 15 | 47 | 1 |
| 045011 | 10 | 5/64" | 18 | 52 | 2 |
| 045561 | 10 | 3/32" | 21 | 59 | 3 |
| 045581 | 10 | 1/8" | 23 | 66 | 5 |
| 045041 | 10 | 5/32" | 29 | 74 | 10 |
| 045601 | 10 | 3/16" | 33 | 85 | 16 |
| 045611 | 10 | 7/32" | 35.5 | 91 | 24 |
| 045621 | 10 | 1/4" | 38 | 96 | 32 |
| 045641 | 10 | 5/16" | 44 | 105 | 60 |
| 045661 | 5 | 3/8" | 50 | 122 | 100 |
| 045681 | 5 | 7/16" | 53 | 129 | 140 |
| 045701 | 5 | 1/2" | 63 | 145 | 182 |
| 045731 | 1 | 5/8" | 76 | 168 | 370 |
| 045191 | 1 | 3/4" | 89 | 199 | 601 |

BLACK KEYS SETS, INCHES

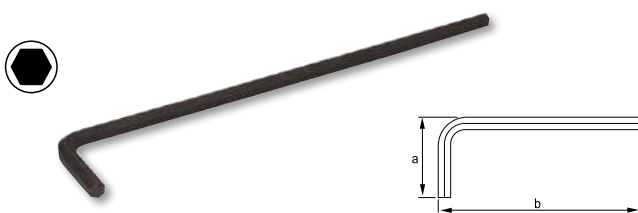


- In plastic wallet
- Sizes marked at the top of the wallet, for an easy identification
- Hanging hole

| Part No. | Box Qty | Box Qty | Hex Sizes | g |
|----------|---------|---------|-------------------------------------------------------------------|-------|
| 046041 | 1 | 5 | 1/8, 5/32, 3/16, 7/32, 1/4" | 95 |
| 046051 | 1 | 9 | 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2" | 580 |
| 046061 | 1 | 12 | 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4" | 1.865 |

BLACK KEYS FOR HEX SCREWS, LONG

BLACK KEYS, METRIC LONG



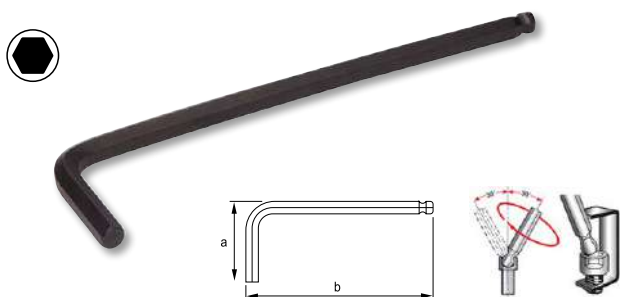
- High quality steel, entirely hardened
- Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility
- Standard: ISO 2936

| Part No. | Box Qty | Hex Size | a mm | b mm | g |
|----------|---------|----------|------|------|-----|
| 045801 | 10 | 1.5 | 15 | 91 | 1 |
| 045811 | 10 | 2.0 | 18 | 102 | 3 |
| 045821 | 10 | 2.5 | 21 | 114 | 5 |
| 045831 | 10 | 3.0 | 23 | 129 | 8 |
| 045841 | 10 | 4.0 | 29 | 144 | 17 |
| 045851 | 10 | 5.0 | 33 | 165 | 31 |
| 045861 | 10 | 6.0 | 38 | 186 | 51 |
| 045871 | 10 | 7.0 | 41 | 197 | 64 |
| 045881 | 5 | 8.0 | 44 | 208 | 100 |
| 045891 | 5 | 9.0 | 47 | 219 | 134 |
| 045901 | 5 | 10.0 | 50 | 234 | 175 |
| 045921 | 2 | 12.0 | 57 | 262 | 283 |
| 045941 | 2 | 14.0 | 70 | 294 | 439 |



BLACK KEYS FOR HEX SCREWS, LONG

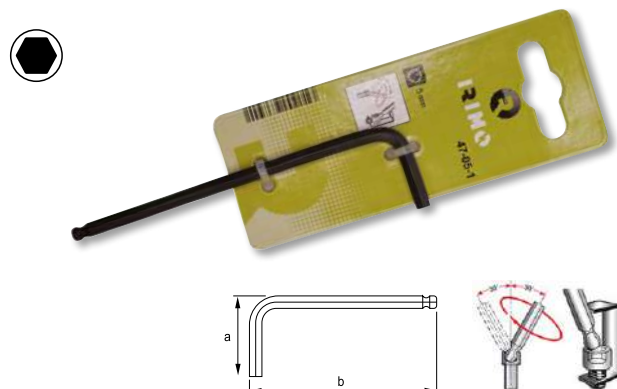
LONG BALL END, METRIC



- High quality steel, entirely hardened. Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility
- Ball end allows to easily insert the key in the screw head from a range of angles
- More efficient and time saving than a standard hex key
- Standard: ISO 2936

| R | Box | mm | a mm | b mm | g |
|--------|-----|------|------|------|-----|
| 047001 | 10 | 1.5 | 15 | 91 | 1 |
| 047011 | 10 | 2.0 | 18 | 102 | 3 |
| 047021 | 10 | 2.5 | 21 | 114 | 5 |
| 047031 | 10 | 3.0 | 23 | 129 | 8 |
| 047041 | 10 | 4.0 | 29 | 144 | 17 |
| 047051 | 10 | 5.0 | 33 | 165 | 31 |
| 047061 | 10 | 6.0 | 38 | 186 | 50 |
| 047081 | 10 | 8.0 | 44 | 208 | 100 |
| 047101 | 5 | 10.0 | 50 | 234 | 171 |
| 047121 | 2 | 12.0 | 57 | 262 | 275 |

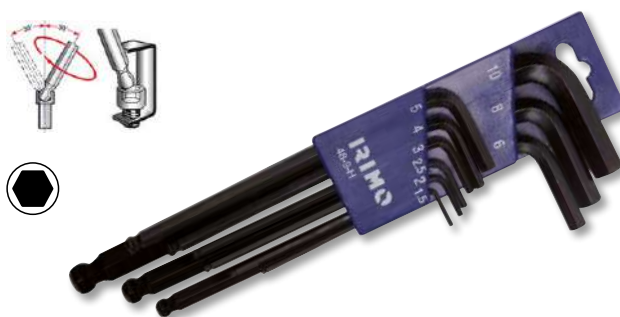
LONG BALL END, METRIC



- High quality steel, entirely hardened. Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility
- Ball end allows to easily insert the key in the screw head from a range of angles
- More efficient and time saving than a standard hex key
- Standard: ISO 2936

| R | Box | mm | a mm | b mm | g |
|---------|-----|------|------|-------|-------|
| 47-00-1 | 1 | 1.5 | 14.5 | 62.5 | 6.0 |
| 47-01-1 | 1 | 2.0 | 17.0 | 76.0 | 7.2 |
| 47-02-1 | 1 | 2.5 | 19.5 | 85.5 | 8.8 |
| 47-03-1 | 1 | 3.0 | 22.0 | 91.0 | 11.0 |
| 47-04-1 | 1 | 4.0 | 28.0 | 102.0 | 17.6 |
| 47-05-1 | 1 | 5.0 | 32.0 | 118.0 | 28.0 |
| 47-06-1 | 1 | 6.0 | 37.0 | 139.0 | 44.4 |
| 47-08-1 | 1 | 8.0 | 43.0 | 155.0 | 82.6 |
| 47-10-1 | 1 | 10.0 | 49.0 | 177.0 | 144.0 |

LONG BALL END, METRIC



- Set of long ball end hex keys, 9 pieces, metric
- In plastic holder with hanging hole
- Sizes marked at the top of the lid, for an easy identification
- In blister packaging

| R | Box | X | mm | g |
|--------|-----|---|-----------------------------------|-----|
| 48-9-H | 1 | 9 | 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm | 360 |

LONG BALL END, INCHES



- Set of long ball end hex keys, 13 pieces
- In plastic holder with hanging hole
- Sizes marked at the top of the lid, for an easy identification
- In blister packaging

| R | Box | X | mm | g |
|----------|-----|---|----------------------------------------------------------------|-----|
| 48A-13-H | 1 | 9 | 0.05-1/16-5/64-3/32-7/64-1/8-9/64-5/32-3/16-7/32-1/4-5/16-3/8" | 360 |

BLACK KEYS FOR TORX® SCREWS

BLACK KEYS FOR TORX® SCREWS



- High quality steel, entirely hardened
- Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility

| Q | Box | Recycle | a mm | b mm | g |
|--------|-----|---------|------|------|----|
| 457061 | 5 | T-6 | 15 | 75 | 4 |
| 457071 | 5 | T-7 | 16 | 80 | 4 |
| 457081 | 5 | T-8 | 16 | 80 | 5 |
| 457091 | 5 | T-9 | 16 | 80 | 5 |
| 457101 | 5 | T-10 | 17 | 86 | 6 |
| 457151 | 5 | T-15 | 18 | 90 | 10 |
| 457201 | 5 | T-20 | 19 | 95 | 11 |
| 457251 | 5 | T-25 | 20 | 100 | 17 |
| 457271 | 5 | T-27 | 21 | 105 | 19 |
| 457301 | 5 | T-30 | 24 | 114 | 29 |
| 457401 | 5 | T-40 | 26 | 124 | 43 |
| 457451 | 5 | T-45 | 29 | 133 | 61 |
| 457501 | 5 | T-50 | 32 | 152 | 88 |

BLACK KEYS FOR TORX® SCREWS



- High quality steel, entirely hardened
- Black finish
- Size laser marking on the blade for an easy identification
- Long arm provides higher torque transmission and accessibility

| Q | Box | Recycle | a mm | b mm | g |
|----------|-----|---------|------|------|------|
| 457-10-1 | 1 | T10 | 17 | 86 | 10.0 |
| 457-15-1 | 1 | T15 | 18 | 90 | 12.2 |
| 457-20-1 | 1 | T20 | 19 | 95 | 15.2 |
| 457-25-1 | 1 | T20 | 20 | 100 | 18.8 |
| 457-27-1 | 1 | T27 | 21 | 105 | 23.2 |
| 457-30-1 | 1 | T30 | 24 | 114 | 28.0 |
| 457-40-1 | 1 | T40 | 26 | 124 | 48.2 |
| 457-45-1 | 1 | T45 | 29 | 133 | 66.4 |
| 457-50-1 | 1 | T50 | 32 | 152 | 94.2 |

BLACK KEY SET FOR TORX® SCREWS



- Set of long black finish offset screwdrivers for TORX® head screws, 9 pieces
- All sizes marked on the holder for an easy selection
- Hanging hole
- In blister packaging

| Q | Box | X | Recycle | g |
|---------|-----|---|---------------------------------------------|-----|
| 458-9-H | 10 | 9 | T10, T15, T20, T25, T27, T30, T40, T45, T50 | 290 |

BLACK KEY SET FOR TORX® SCREWS



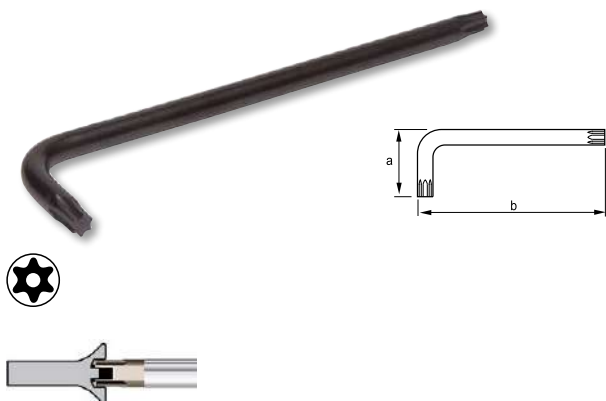
- Set of black finish offset screwdrivers for TORX® head screws, 8 pieces
- Impact resistant holder
- Allows many different working positions
- Positive stop at 270° degrees, for maximum leverage
- In blister packaging

| Q | Box | X | Recycle | g |
|---------|-----|---|---------------------------------------|-----|
| 458-8-F | 1 | 8 | T9, T10, T15, T20, T25, T27, T30, T40 | 160 |



BLACK KEYS FOR TORX® TAMPER RESISTANT SCREWS

BLACK KEYS FOR TORX® TAMPER RESISTANT SCREWS



- High quality steel, entirely hardened
- Black finish
- Size laser marking on the blade for easy identification
- Long arm provides higher torque transmission and accessibility

| R | | | a mm | b mm | Ø mm | g |
|--------|---|------|------|------|------|----|
| 454091 | 5 | TR9 | 16 | 80 | 3.0 | 4 |
| 454101 | 5 | TR10 | 17 | 86 | 3.0 | 5 |
| 454151 | 5 | TR15 | 18 | 90 | 4.0 | 8 |
| 454201 | 5 | TR20 | 19 | 95 | 4.0 | 11 |
| 454251 | 5 | TR25 | 20 | 100 | 5.0 | 17 |
| 454271 | 5 | TR27 | 21 | 105 | 5.0 | 19 |
| 454301 | 5 | TR30 | 24 | 114 | 6.0 | 29 |
| 454401 | 5 | TR40 | 26 | 124 | 7.0 | 43 |

BLACK KEY SETS FOR TORX® TAMPER RESISTANT SCREWS



- Set of long black finish offset screwdrivers for TORX® tamper head screws, 9 pieces
- All sizes marked on the holder for an easy selection
- Hanging hole
- In blister packaging

| R | | | | g |
|---------|----|---|------------------------------------------------------|-----|
| 454-9-H | 10 | 9 | TR10, TR15, TR20, TR25, TR27, TR30, TR40, TR45, TR50 | 290 |

BLACK KEY SETS FOR TORX® TAMPER RESISTANT SCREWS



- Set of black finish offset screwdrivers for TORX® tamper head screws, 8 pieces
- Impact resistant holder
- Allows many different working positions
- Positive stop at 270° degrees, for maximum leverage
- In blister packaging

| R | | | | g |
|---------|---|---|-----------------------------------------------|-----|
| 454-8-F | 1 | 8 | TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40 | 160 |

1/4" BITS

1/4" BITS FOR SLOTTED SCREWS, 25 MM



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 10 pieces

| E | Icon | mm | mm | L mm | g |
|-----------|------|-----|-----|------|----|
| 475-4-1 | 1 | 0.5 | 4.0 | 25 | 35 |
| 475-4.5-1 | 1 | 0.6 | 4.5 | 25 | 35 |
| 475-5.5-1 | 1 | 0.8 | 5.5 | 25 | 35 |
| 475-6.0-1 | 1 | 1.0 | 6.0 | 25 | 35 |
| 475-6.5-1 | 1 | 1.2 | 6.5 | 25 | 35 |
| 475-8.0-1 | 1 | 1.6 | 8.0 | 25 | 35 |

1/4" BITS SLOTTED SCREWS, 70 MM



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 5 pieces

| E | Icon | mm | mm | L mm | g |
|--------------|------|-----|-----|------|----|
| 475-70-3.0-1 | 1 | 0.5 | 3.0 | 70 | 70 |
| 475-70-3.5-1 | 1 | 0.6 | 3.5 | 70 | 70 |
| 475-70-5.5-1 | 1 | 0.8 | 5.5 | 70 | 77 |
| 475-70-6.5-1 | 1 | 1.2 | 6.5 | 70 | 80 |

1/4" BITS FOR PHILLIPS SCREWS, 25 MM



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 10 pieces

| E | Icon | mm | g |
|-----------|------|------|-------|
| 475-PH0-1 | 1 | PH-0 | 25 35 |
| 475-PH1-1 | 1 | PH-1 | 25 35 |
| 475-PH2-1 | 1 | PH-2 | 25 35 |
| 475-PH3-1 | 1 | PH-3 | 25 35 |

1/4" BITS FOR PHILLIPS SCREWS, 50 MM



- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 5 pieces

| E | Icon | mm | g |
|-------------|------|------|-------|
| 475-50PH1-1 | 1 | PH-1 | 50 70 |
| 475-50PH2-1 | 1 | PH-2 | 50 70 |
| 475-50PH3-1 | 1 | PH-3 | 50 77 |

1/4" BITS FOR PHILLIPS SCREWS, 70 MM



- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 5 pieces

| E | Icon | mm | g |
|-------------|------|------|-------|
| 475-70PH1-1 | 1 | PH-1 | 70 70 |
| 475-70PH2-1 | 1 | PH-2 | 70 70 |
| 475-70PH3-1 | 1 | PH-3 | 70 77 |



1/4" BITS

1/4" BITS FOR PHILLIPS SCREWS, 89 MM



x5

- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 5 pieces

| R | Icon | Icon | L mm | g |
|-------------|------|------|------|-----|
| 475-89PH1-1 | 1 | PH-1 | 89 | 100 |
| 475-89PH2-1 | 1 | PH-2 | 89 | 100 |
| 475-89PH3-1 | 1 | PH-3 | 89 | 110 |

1/4" BITS FOR PHILLIPS SCREWS, 150 MM



x5

- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box for 5 pieces

| R | Icon | Icon | L mm | g |
|--------------|------|------|------|-----|
| 475-150PH1-1 | 1 | PH-1 | 150 | 150 |
| 475-150PH2-1 | 1 | PH-2 | 150 | 150 |

1/4" BITS FOR PHILLIPS DRY WALL SCREWS, 25 MM



x10

- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: Grabber bits for drywall screws
- With reduced nose diameter 4.8 mm
- In plastic box of 10 pieces

| R | Icon | Icon | L mm | g |
|------------|------|-------|------|----|
| 475-PH2G-1 | 1 | PH-2G | 25 | 35 |

1/4" BITS FOR POZIDRIV SCREWS, 25 MM



x10

- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 10 pieces

| R | Icon | Icon | L mm | g |
|-----------|------|------|------|----|
| 475-PZ0-1 | 1 | PZ-0 | 25 | 35 |
| 475-PZ1-1 | 1 | PZ-1 | 25 | 35 |
| 475-PZ2-1 | 1 | PZ-2 | 25 | 35 |
| 475-PZ3-1 | 1 | PZ-3 | 25 | 35 |

1/4" BITS FOR POZIDRIV SCREWS, 50 MM



x5

- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

| R | Icon | Icon | L mm | g |
|-------------|------|------|------|----|
| 475-50PZ1-1 | 1 | PZ-1 | 50 | 70 |
| 475-50PZ2-1 | 1 | PZ-2 | 50 | 70 |
| 475-50PZ3-1 | 1 | PZ-3 | 50 | 77 |

1/4" BITS FOR POZIDRIV SCREWS, 70 MM



- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

| Part No. | QTY | Drive | L mm | g |
|-------------|-----|-------|------|----|
| 475-70PZ1-1 | 1 | PZ-1 | 70 | 70 |
| 475-70PZ2-1 | 1 | PZ-2 | 70 | 70 |
| 475-70PZ3-1 | 1 | PZ-3 | 70 | 77 |

1/4" BITS FOR POZIDRIV SCREWS, 89 MM



- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

| Part No. | QTY | Drive | L mm | g |
|-------------|-----|-------|------|-----|
| 475-89PZ1-1 | 1 | PZ-1 | 89 | 100 |
| 475-89PZ2-1 | 1 | PZ-2 | 89 | 100 |
| 475-89PZ3-1 | 1 | PZ-3 | 89 | 110 |

1/4" BITS FOR POZIDRIV SCREWS, 150 MM



- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

| Part No. | QTY | Drive | L mm | g |
|--------------|-----|-------|------|-----|
| 475-150PZ1-1 | 1 | PZ-1 | 150 | 150 |
| 475-150PZ2-1 | 1 | PZ-2 | 150 | 150 |

1/4" BITS FOR TORX® SCREWS, 25 MM



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 10 pieces (T30/T40 packed in box of 5 pieces)

| Part No. | QTY | Drive | L mm | g | |
|-----------|-----|-------|------|----|----|
| 475-T5-1 | 1 | T5 | 1.70 | 25 | 30 |
| 475-T6-1 | 1 | T6 | 1.70 | 25 | 30 |
| 475-T7-1 | 1 | T7 | 1.99 | 25 | 35 |
| 475-T8-1 | 1 | T8 | 2.31 | 25 | 35 |
| 475-T9-1 | 1 | T9 | 2.50 | 25 | 35 |
| 475-T10-1 | 1 | T10 | 2.74 | 25 | 35 |
| 475-T15-1 | 1 | T15 | 3.27 | 25 | 35 |
| 475-T20-1 | 1 | T20 | 3.86 | 25 | 35 |
| 475-T25-1 | 1 | T25 | 4.43 | 25 | 35 |
| 475-T27-1 | 1 | T27 | 4.99 | 25 | 35 |
| 475-T30-1 | 1 | T30 | 5.52 | 25 | 40 |
| 475-T40-1 | 1 | T40 | 6.65 | 25 | 50 |
| 475-T45-1 | 1 | T45 | 7.90 | 25 | 70 |
| 475-T50-1 | 1 | T50 | 7.94 | 25 | 80 |

1/4" BITS FOR TORX® SCREWS, 50 MM



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

| Part No. | QTY | Drive | L mm | g | |
|-------------|-----|-------|------|----|----|
| 475-50T6-1 | 1 | T6 | 1.70 | 50 | 38 |
| 475-50T8-1 | 1 | T8 | 2.51 | 50 | 40 |
| 475-50T10-1 | 1 | T10 | 2.74 | 50 | 42 |
| 475-50T15-1 | 1 | T15 | 3.27 | 50 | 44 |
| 475-50T20-1 | 1 | T20 | 3.86 | 50 | 46 |
| 475-50T25-1 | 1 | T25 | 4.43 | 50 | 50 |
| 475-50T30-1 | 1 | T30 | 5.52 | 50 | 52 |
| 475-50T40-1 | 1 | T40 | 6.65 | 50 | 54 |



1/4" BITS

1/4" BITS FOR TORX® SCREWS, 89 MM



x5

- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

| R | | | mm | L mm | g |
|-------------|---|-----|------|---------|-----|
| 475-89T10-1 | 1 | T10 | 2.74 | 89 | 80 |
| 475-89T15-1 | 1 | T15 | 3.27 | 89 | 85 |
| 475-89T20-1 | 1 | T20 | 3.86 | 89 | 90 |
| 475-89T25-1 | 1 | T25 | 4.43 | 89 | 100 |
| 475-89T27-1 | 1 | T27 | 4.99 | 89 | 100 |
| 475-89T30-1 | 1 | T30 | 5.52 | 89 | 110 |
| 475-89T40-1 | 1 | T40 | 6.65 | 89 | 120 |

1/4" BITS FOR TORX® SCREWS, 150 MM



x5

- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

| R | | | mm | L mm | g |
|--------------|---|-----|------|---------|-----|
| 475-150T10-1 | 1 | T10 | 2.74 | 150 | 150 |
| 475-150T15-1 | 1 | T15 | 3.27 | 150 | 150 |
| 475-150T20-1 | 1 | T20 | 3.86 | 150 | 153 |
| 475-150T25-1 | 1 | T25 | 4.43 | 150 | 155 |
| 475-150T30-1 | 1 | T30 | 5.52 | 150 | 157 |
| 475-150T40-1 | 1 | T40 | 6.65 | 150 | 160 |

1/4" BITS FOR TORX® TAMPER SCREWS, 25 MM



x5

- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- TORX® tamper resistant screws have a centre pin to prevent a standard TORX® driver to be inserted
- In plastic box of 5 pieces

| R | | | mm | L mm | g |
|------------|---|-----|------|---------|----|
| 475-TR10-1 | 1 | T10 | 2.74 | 25 | 35 |
| 475-TR15-1 | 1 | T15 | 3.27 | 25 | 35 |
| 475-TR20-1 | 1 | T20 | 3.86 | 25 | 35 |
| 475-TR25-1 | 1 | T25 | 4.43 | 25 | 35 |
| 475-TR27-1 | 1 | T27 | 4.99 | 25 | 35 |
| 475-TR30-1 | 1 | T30 | 5.52 | 25 | 40 |
| 475-TR40-1 | 1 | T40 | 6.65 | 25 | 50 |

1/4" BITS FOR HEXAGONAL SCREWS, 25 MM



x5

- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- In plastic box of 5 pieces

| R | | mm | L mm | g |
|----------|---|----|---------|----|
| 475-H3-1 | 1 | 3 | 25 | 30 |
| 475-H4-1 | 1 | 4 | 25 | 35 |
| 475-H5-1 | 1 | 5 | 25 | 40 |
| 475-H6-1 | 1 | 6 | 25 | 45 |

TORSION BIT FOR PHILLIPS HEAD SCREWS, 25 MM



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: steel grey surface coated with clear lacquer for rust protection
- Material: high performance alloy steel
- Application: torsion bits are suitable for hard material applications
- Torsion zone that absorbs torque peaks avoiding premature wear and tear and improving service life
- In plastic box of 10 pieces

| Part No. | Box Qty | Drive | Length (mm) | Weight (g) |
|------------|---------|-------|-------------|------------|
| 475T-PH1-1 | 1 | PH-1 | 25 | 30 |
| 475T-PH2-2 | 1 | PH-2 | 25 | 40 |
| 475T-PH3-2 | 1 | PH-3 | 25 | 40 |

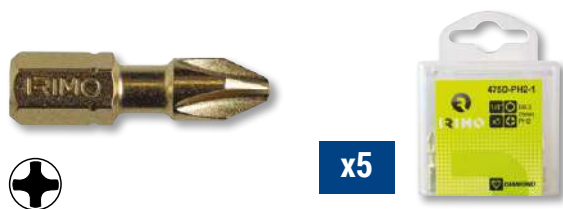
TORSION BIT FOR POZIDRIV HEAD SCREWS, 25 MM



- Drive: 1/4" DIN 3126-C6.3,ISO 1173
- Finish: steel grey surface coated with clear lacquer for rust protection
- Material: high performance alloy steel
- Application: torsion bits are suitable for hard material applications
- Torsion zone that absorbs torque peaks avoiding premature wear and tear and improving service life
- In plastic box of 10 pieces

| Part No. | Box Qty | Drive | Length (mm) | Weight (g) |
|------------|---------|-------|-------------|------------|
| 475T-PZ1-1 | 1 | PZ-1 | 25 | 30 |
| 475T-PZ2-2 | 1 | PZ-2 | 25 | 40 |
| 475T-PZ3-2 | 1 | PZ-3 | 25 | 40 |

DIAMOND BIT FOR PHILLIPS HEAD SCREWS, 25 MM



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: gold coloured diamond coating
- Material: high performance alloy steel
- Application: high performance in any application
- Minimises the cam-out effect reducing "down-time"
- Reduces wear of bit and screw
- Torsion zone that absorbs torque peaks avoiding premature wear and tear and improving service life
- In plastic box of 5 pieces

| Part No. | Box Qty | Drive | Length (mm) | Weight (g) |
|------------|---------|-------|-------------|------------|
| 475D-PH1-1 | 1 | PH-1 | 25 | 30 |
| 475D-PH2-1 | 1 | PH-2 | 25 | 40 |
| 475D-PH3-1 | 1 | PH-3 | 25 | 40 |

DIAMOND BIT FOR POZIDRIV HEAD SCREWS, 25 MM



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: gold coloured diamond coating
- Material: high performance alloy steel
- Application: high performance in any application
- Minimises the cam-out effect reducing "down-time"
- Reduces wear of bit and screw
- Torsion zone that absorbs torque peaks avoiding premature wear and tear and improving service life
- In plastic box of 5 pieces

| Part No. | Box Qty | Drive | Length (mm) | Weight (g) |
|------------|---------|-------|-------------|------------|
| 475D-PZ1-1 | 1 | PZ-1 | 25 | 30 |
| 475D-PZ2-1 | 1 | PZ-2 | 25 | 40 |
| 475D-PZ3-1 | 1 | PZ-3 | 25 | 40 |



1/4" BITS

1/4" POWER MAGNETIC NUT DRIVER, METRIC



- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- With strong magnet
- Hexagon socket
- In plastic holder (1 piece)

| R | Box | mm | Hex | Ø mm | L mm | g |
|------------|-----|-----|------|------|------|----|
| 474M-5.5-1 | 1 | 5.5 | 1/4" | 11.5 | 50 | 25 |
| 474M-6-1 | 1 | 6 | 1/4" | 11 | 50 | 21 |
| 474M-7-1 | 1 | 7 | 1/4" | 12 | 50 | 28 |
| 474M-8-1 | 1 | 8 | 1/4" | 12.5 | 50 | 24 |
| 474M-9-1 | 1 | 9 | 1/4" | 13.5 | 50 | 31 |
| 474M-10-1 | 1 | 10 | 1/4" | 15.5 | 50 | 36 |
| 474M-11-1 | 1 | 11 | 1/4" | 18.4 | 50 | 30 |
| 474M-12-1 | 1 | 12 | 1/4" | 14.5 | 50 | 34 |
| 474M-13-1 | 1 | 13 | 1/4" | 17 | 50 | 40 |

1/4" POWER MAGNETIC NUT DRIVER SET



- Drive: 1/4" DIN 3126 E 6.3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- With strong magnet
- Hexagon socket. In blister packaging

| R | Box | Box X | g |
|----------|-----|-------|-----|
| 474M-5-H | 1 | 5 | 134 |

474M-5.5-1, 474M-7-1, 474M-8-1, 474M-10-1, 474M-13-1

1/4" POWER MAGNETIC NUT DRIVER, INCHES



- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- With strong magnet
- Hexagon socket
- In plastic holder (1 piece)

| R | Box | Hex | Hex | Ø mm | L mm | g |
|------------|-----|------|------|------|------|----|
| 474M-1/4-1 | 1 | 1/4" | 1/4" | 11 | 50 | 21 |
| 474M-3/8-1 | 1 | 3/8" | 1/4" | 14.3 | 50 | 31 |

1/4" POWER NUT DRIVER WITH RETAINING RING



- Drive: 1/4" DIN 3126-E 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Application: for all screw applications in trade and industry
- Hexagon socket
- In plastic holder (1 piece)

| R | Box | Hex | Hex | Ø mm | L mm | g |
|------------|-----|-----|------|------|------|----|
| 474MR-8-1 | 1 | 8 | 1/4" | 12.5 | 50 | 24 |
| 474MR-10-1 | 1 | 10 | 1/4" | 13.5 | 50 | 36 |

ADAPTOR 1/4", 25 MM



- Drive: 1/4" DIN 3126-A 6.3, ISO 1173
- Finish: black finish
- Material: high performance alloy steel
- Hexagonal male to square female DIN3120
- In plastic bag (1 piece)
- Retail package

| Part No. | QTY | Drive | Hex Size | Length (mm) | Weight (g) |
|-----------|-----|-------|----------|-------------|------------|
| 475A-25-1 | 1 | 1/4" | 1/4" | 25 | 5 |

ADAPTOR 1/4", 50 MM



- Drive: 1/4" DIN 3126-A 6.3, ISO 1173
- Finish: black finish
- Material: high performance alloy steel
- Hexagonal male to square female DIN3120
- In plastic holder (1 piece)

| Part No. | QTY | Drive | Hex Size | Length (mm) | Weight (g) |
|---------------|-----|-------|----------|-------------|------------|
| 475A-50-1 | 1 | 1/4" | 1/4" | 50 | 18 |
| 475A-50-1/2-1 | 1 | 1/2" | 1/4" | 50 | 25 |

UNIVERSAL HOLDER 1/4"



- Drive: 1/4" DIN 3126-E 6.3, ISO 1173
- Finish: black finish
- Material: high performance alloy steel
- With strong magnet
- DIN 3126 D 6,3
- In plastic holder (1 piece)

| Part No. | QTY | Drive | Hex Size | Length (mm) | Weight (g) |
|--------------|-----|-------|----------|-------------|------------|
| 475A-M-50-1 | 1 | 1/4" | 1/4" | 50 | 20 |
| 475A-M-75-1 | | 1/4" | 1/4" | 75 | 35 |
| 475A-M-150-1 | 1 | 1/4" | 1/4" | 150 | 47 |

QUICK RELEASE BIT HOLDER 1/4"



- Drive: DIN 3126-E 6.3, ISO 1173
- Material: high performance alloy steel
- DIN 3126 D 6,3
- With permanent magnet
- In plastic holder (1 piece)

| Part No. | QTY | Drive | Hex Size | Hex Ø (mm) | Length (mm) | Weight (g) |
|-------------|-----|-------|----------|------------|-------------|------------|
| 475A-60QR-1 | 1 | 1/4" | 1/4" | 14 | 60 | 15 |
| 475A-75QR-1 | 1 | 1/4" | 1/4" | 14 | 75 | 33 |



1/4" BITS SETS

1/4" BITS SETS, 32 pieces



- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- Display: 475-32-8 Disp 8 sets in blister packaging

| Part No. | Box | Box Qty | Dimensions (mm) | Weight (g) |
|--------------|-----|---------|-----------------|------------|
| 475-32-1 | 1 | 32 | 30x105x65 | 275 |
| 475-32-8DISP | 1 | 8 | 360x340x260 | 2.240 |

| | | |
|-----------------------------------------------------------------------------------------|--|--|
| 475-4.5-1, 475-4-1, 475-5.5-1 | | |
| 2x 475-PH1-1, 2x 475-PH2-1, 2x 475-PH3-1 | | |
| 475-PH2G-1 | | |
| 2x 475-PZ1-1, 2x 475-PZ2-1, 2x 475-PZ3-1 | | |
| 475-T10-1, 2x 475-T15-1, 2x 475-T20-1, 2x 475-T25-1, 475-T27-1, 2x 475-T30-1, 475-T40-1 | | |
| 475-H3-1, 475-H4-1, 475-H5-1, 475-H6-1 | | |
| 475A-25-1 | | |
| 105-48-1 | | |
| 475A-60QR-1 | | |

1/4" BITS SETS, 32 pieces



- Bits set of 32 pieces: 30 bits, 1 magnetic quick release bit holder and bit holding screwdriver for interchangeable bits
- 1/4" hexagon drive. DIN 3126, ISO 1173, style C 6.3
- Lock-in type system for easy and safety lock, magnetic. The bit stays caught until the release is driven
- Robust and tough bits
- Quick release bit holder with strong magnet (style E 6.3)
- Sand blasting finish bits
- Robust plastic case with hanger. Transparent lid
- For universal use
- High performance alloy steel
- In blister packaging

| Part No. | Box | Box Qty | Dimensions (mm) | Weight (g) |
|-----------|-----|---------|-----------------|------------|
| 475-32A-1 | 6 | 32 | 153x35x100 | 375 |

| | | |
|------------------------------------------------------------------|--|--|
| 475A-60QR-1 | | |
| 475-4.5-1, 475-5.5-1, 475-6.5-1 | | |
| 3x 475-PH1-1, 3x 475-PH2-1, 3x 475-PH3-1 | | |
| 3x 475-PZ1-1, 3x 475-PZ2-1, 3x 475-PZ3-1 | | |
| 475-H4-1, 475-H5-1, 475-H6-1 | | |
| 475-T10-1, 475-T15-1, 475-T20-1, 475-T25-1, 475-T30-1, 475-T40-1 | | |

1/4" TORX® BITS SET



- Bits set of 9 pieces: 8 bits and 1 magnetic quick release bit holder
- 1/4" hexagon drive. DIN 3126, ISO 1173, style C 6.3
- Robust and tough bits
- Quick release bit holder with strong magnet (style E 6.3)
- Sand blasting finish bits
- The small size of the set is ideal to be carried in a pocket. Easy to open and close
- For universal use
- High performance alloy steel
- In blister packaging

| R | X | mm | g | |
|------------------------------------------------------------------------|---|----|----------|-----|
| 475-9-1 | 1 | 9 | 40x20x97 | 129 |
| 475A-60QR-1 | | | | |
| 475-T10-1, 475-T15-1, 2x 475-T20-1, 2x 475-T25-1, 475-T30-1, 475-T40-1 | | | | |

1/4" BITS SETS, 61 pieces

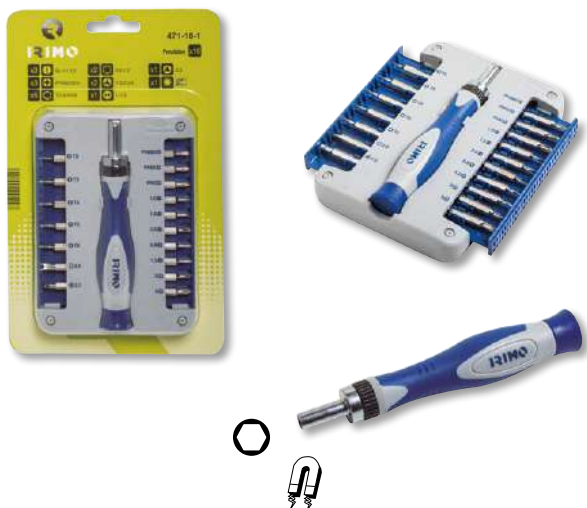


- Drive: 1/4" DIN 3126-C 6,3, ISO 1173
- Finish: sand blasting
- Material: high performance alloy steel
- In blister packaging

| R | X | mm | g | |
|------------------------------------------------------------------------------------------------------------------------------------------|---|----|----------------|-----|
| 475-61-1 | 1 | 61 | 35 x 148 x 112 | 549 |
| 475-4.5-1, 475-4-1, 475-5.5-1, 475-6.0-1, 475-6.5-1, 475-8.0-1 | | | | |
| 475-PH0-1, 2x 475-PH1-1, 3x 475-PH2-1, 2x 475-PH3-1 | | | | |
| 2x 475-PH2G-1 | | | | |
| 475-PZ0-1, 2x 475-PZ1-1, 3x 475-PZ2-1, 2x 475-PZ3-1 | | | | |
| 475-T6-1, 475-T7-1, 475-T8-1, 475-T9-1, 2x 475-T10-1, 2x 475-T15-1, 3x 475-T20-1, 2x 475-T25-1, 2x 475-T27-1, 2x 475-T30-1, 2x 475-T40-1 | | | | |
| 475-TR10-1, 475-TR15-1, 475-TR20-1, 475-TR25-1, 475-TR27-1, 475-TR30-1, 475-TR40-1 | | | | |
| 475-H3-1, 475-H4-1, 475-H5-1, 475-H6-1 | | | | |
| 475A-25-1 | | | | |
| R-1, R-2, R-3 | | | | |
| 475A-60QR-1 | | | | |

PRECISION SCREWDRIVER SET FOR PRECISION ENGINEERING AND ELECTRONICS APPLICATIONS

RATCHETING BIT HOLDER PRECISION SCREWDRIVER WITH 17 PIECES BITS



- Bits drive: 5/32" DIN 3126-C 4, ISO 1173
- Bits: made of chrome-vanadium steel, durable and high precision
- Handle: 2-component handle
- The rotating head allows an easy and accurate driving
- Magnetic blade secures bit in screwdriver
- Smooth ratcheting stroke: Three position ratchet mechanism: forward, reverse and neutral
- In blister packaging

| R | X | mm | g | | |
|----------|---|----------------|---------------|-----|----------------|
| 471-18-1 | 1 | 17 | 35 x 95 x 130 | 220 | |
| x3 | ⓪ | SL: 1-1.5-2 mm | x3 | ⊕ | PH000-PH00-PH0 |
| x5 | ⊕ | T2-T3-T4-T5-T6 | x2 | ⊕ | 0.8-1.2 |
| x2 | ⓪ | Y 2.0-3.0 | x1 | ⓪ | U 2.6 |
| x1 | ⓪ | 2.3 | x1 | ⓪ | |



5/16" BITS

5/16" BITS FOR SLOTTED SCREWS



x2

- Drive: 5/16" DIN 3126-C 8, ISO 1173
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 2 pieces
- Retail package

| Part No. | Qty | W mm | L mm | Overall L mm | Weight g |
|------------|-----|------|------|--------------|----------|
| 470-5.5-1 | 1 | 1.0 | 5.5 | 36 | 18 |
| 470-6.5-1 | 1 | 1.2 | 6.5 | 36 | 20 |
| 470-8.0-1 | 1 | 1.2 | 8.0 | 36 | 22 |
| 470-10.0-1 | 1 | 1.6 | 10.0 | 36 | 30 |
| 470-12.0-1 | 1 | 2.0 | 12.0 | 36 | 36 |
| 470-14.0-1 | 1 | 2.5 | 14.0 | 36 | 38 |

5/16" BITS FOR PHILLIPS SCREWS



x2

- Drive: 5/16" DIN 3126-C 8, ISO 1173
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 2 pieces
- Retail package

| Part No. | Qty | Drive | Overall L mm | Weight g |
|-----------|-----|-------|--------------|----------|
| 470-PH1-1 | 1 | PH-1 | 36 | 22 |
| 470-PH2-1 | 1 | PH-2 | 36 | 24 |
| 470-PH3-1 | 1 | PH-3 | 36 | 25 |
| 470-PH4-1 | 1 | PH-4 | 36 | 28 |

5/16" BITS FOR HEXAGONAL SCREWS



x2

- Drive: 5/16" DIN 3126-C 8, ISO 1173
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 2 pieces
- Retail package

| Part No. | Qty | W mm | Overall L mm | Weight g |
|-----------|-----|------|--------------|----------|
| 470-H4-1 | 1 | 4 | 36 | 25 |
| 470-H5-1 | 1 | 5 | 36 | 26 |
| 470-H6-1 | 1 | 6 | 36 | 27 |
| 470-H7-1 | 1 | 7 | 36 | 28 |
| 470-H8-1 | 1 | 8 | 36 | 29 |
| 470-H10-1 | 1 | 10 | 36 | 36 |

5/16" BITS FOR TORX® SCREWS



x2

- Drive: 5/16" DIN 3126-C 8, ISO 1173
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 2 pieces
- Retail package

| Part No. | Qty | Drive | W mm | Overall L mm | Weight g |
|-----------|-----|-------|-------|--------------|----------|
| 470-T20-1 | 1 | T20 | 3.86 | 36 | 21 |
| 470-T25-1 | 1 | T25 | 4.43 | 36 | 22 |
| 470-T27-1 | 1 | T27 | 4.99 | 36 | 24 |
| 470-T30-1 | 1 | T30 | 5.52 | 36 | 24 |
| 470-T40-1 | 1 | T40 | 6.65 | 36 | 27 |
| 470-T45-1 | 1 | T45 | 7.82 | 36 | 27 |
| 470-T50-1 | 1 | T50 | 8.83 | 36 | 27 |
| 470-T55-1 | 1 | T55 | 11.22 | 36 | 28 |

5/16" IMPACT SCREWDRIVER

5/16" IMPACT SCREWDRIVER



- To turn frozen screws
- Converts hammer action on turning driving
- Hammer action guarantees that the bit will remain against the screw
- Square drive 1/2". Bit size 5/16"
- Reversible by positioning the adaptor

| Part No. | Box | L mm | C mm | A mm | L1 mm | g |
|----------|-----|------|------|------|-------|-----|
| 470011 | 1 | 125 | 33 | 24 | 40 | 650 |

5/16" IMPACT SCREWDRIVER ADAPTOR



- Finish: Chrome-plated
- 1/2" square drive
- For 5/16" bits
- With retaining ring

| Part No. | Box | L mm | g |
|----------|-----|------|----|
| 470051 | 1 | 40 | 54 |

5/16" IMPACT DRIVER BIT SET



- 1 Impact screwdriver, 1/2" square drive
- 1 Bit holding adaptor for screwdriver bits, 5/16" hexagon and 1/2" square drive
- 18 bits of 5/16"
- In black metal box

| Part No. | Box | Dimensions | g |
|------------------------------------------------------------------|-----|---------------|-------|
| 471011 | 1 | 197 x 70 x 45 | 1.280 |
| 470-8.0-1, 470-10.0-1, 470-12.0-1 | | | ① |
| 470-PH2-1, 470-PH3-1, 470-PH4-1 | | | ⊕ |
| 470-H4-1, 470-H5-1, 470-H6-1, 470-H7-1, 470-H8-1, 470-H10-1 | | | ● |
| 470-T25-1, 470-T27-1, 470-T30-1, 470-T40-1, 470-T45-1, 470-T50-1 | | | ★ |
| 470011 | | | ○ |



10 MM BITS

10 MM BITS FOR HEXAGONAL SCREWS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| Part No. | Box | Drive (mm) | Length (mm) | Weight (g) |
|----------|-----|------------|-------------|------------|
| T49H4 | 1 | 4 | 30 | 5 |
| T49H5 | 1 | 5 | 30 | 6.5 |
| T49H6 | 1 | 6 | 30 | 7 |
| T49H7 | 1 | 7 | 30 | 7 |
| T49H8 | 1 | 8 | 30 | 7 |
| T49H10 | 1 | 10 | 30 | 7 |
| T49H12 | 1 | 12 | 30 | 12 |
| T49H14 | 1 | 14 | 30 | 14 |
| T49H4L | 1 | 4 | 75 | 20 |
| T49H5L | 1 | 5 | 75 | 20 |
| T49H6L | 1 | 6 | 75 | 20 |
| T49H7L | 1 | 7 | 75 | 20 |
| T49H8L | 1 | 8 | 75 | 20 |
| T49H10L | 1 | 10 | 75 | 20 |
| T49H12L | 1 | 12 | 75 | 20 |
| T49H10XL | 1 | 10 | 115 | 75 |

10 MM BITS FOR TORX® SCREWS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| Part No. | Box | Drive | Length (mm) | Weight (g) | |
|----------|-----|-------|-------------|------------|-----|
| T49T20 | 1 | T20 | 3.84 | 30 | 6.5 |
| T49T25 | 1 | T25 | 4.4 | 30 | 6.5 |
| T49T27 | 1 | T27 | 4.96 | 30 | 6.5 |
| T49T30 | 1 | T30 | 5.49 | 30 | 6.5 |
| T49T40 | 1 | T40 | 6.6 | 30 | 6.5 |
| T49T45 | 1 | T45 | 7.7 | 30 | 6.5 |
| T49T50 | 1 | T50 | 8.79 | 30 | 6.5 |
| T49T55 | 1 | T55 | 11.17 | 30 | 6.5 |
| T49T60 | 1 | T60 | 13.2 | 30 | 6.5 |
| T49T20L | 1 | T20 | 3.84 | 75 | 20 |
| T49T25L | 1 | T25 | 4.4 | 75 | 20 |
| T49T27L | 1 | T27 | 4.96 | 75 | 20 |
| T49T30L | 1 | T30 | 5.49 | 75 | 20 |
| T49T40L | 1 | T40 | 6.6 | 75 | 20 |
| T49T45L | 1 | T45 | 7.7 | 75 | 20 |
| T49T50L | 1 | T50 | 8.79 | 75 | 20 |
| T49T55L | 1 | T55 | 11.17 | 75 | 20 |
| T49T60L | 1 | T60 | 13.2 | 75 | 20 |
| T49T55XL | 1 | T55 | 11.17 | 115 | 75 |

1/2" ADAPTOR FOR 10 MM BITS



- 1/2" Adaptor for 10 mm bits
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| Part No. | Box | Drive (mm) | L (mm) | D1 (mm) | D2 (mm) | Weight (g) |
|----------|-----|------------|--------|---------|---------|------------|
| T4901 | 1 | 10 | 36 | 17 | 22 | 55 |

3/8" ADAPTOR FOR 10 MM BITS



- 3/8" Adaptor for 10 mm bits
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| Part No. | Box | Drive (mm) | L (mm) | D1 (mm) | D2 (mm) | Weight (g) |
|----------|-----|------------|--------|---------|---------|------------|
| T4902 | 1 | 10 | 35 | 15 | 10 | 32 |

10 MM BITS FOR TORX® TAMPER SCREWS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| R | | | | | |
|----------|---|------|-------|----|-----|
| | | | mm | mm | g |
| T49T20H | 1 | TR20 | 3.84 | 30 | 6.5 |
| T49T25H | 1 | TR25 | 4.4 | 30 | 6.5 |
| T49T27H | 1 | TR27 | 4.96 | 30 | 6.5 |
| T49T30H | 1 | TR30 | 5.49 | 30 | 6.5 |
| T49T40H | 1 | TR40 | 6.6 | 30 | 6.5 |
| T49T45H | 1 | TR45 | 7.7 | 30 | 6.5 |
| T49T50H | 1 | TR50 | 8.79 | 30 | 6.5 |
| T49T55H | 1 | TR55 | 11.17 | 30 | 6.5 |
| T49T60H | 1 | TR60 | 13.2 | 30 | 6.5 |
| T49T20HL | 1 | TR20 | 3.84 | 75 | 20 |
| T49T25HL | 1 | TR25 | 4.4 | 75 | 20 |
| T49T27HL | 1 | TR27 | 4.96 | 75 | 20 |
| T49T30HL | 1 | TR30 | 5.49 | 75 | 20 |
| T49T40HL | 1 | TR40 | 6.6 | 75 | 20 |
| T49T45HL | 1 | TR45 | 7.7 | 75 | 20 |
| T49T50HL | 1 | TR50 | 8.79 | 75 | 20 |
| T49T55HL | 1 | TR55 | 11.17 | 75 | 20 |
| T49T60HL | 1 | TR60 | 13.2 | 75 | 20 |

10 MM SQUARE BITS



10 MM BITS FOR XZN SCREWS



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| R | | | | |
|---------|---|-----|----|-----|
| | | | mm | g |
| T49M5 | 1 | M5 | 30 | 6.5 |
| T49M6 | 1 | M6 | 30 | 7 |
| T49M8 | 1 | M8 | 30 | 7 |
| T49M10 | 1 | M10 | 30 | 8.5 |
| T49M12 | 1 | M12 | 30 | 10 |
| T49M14 | 1 | M14 | 30 | 20 |
| T49M5L | 1 | M5 | 75 | 15 |
| T49M6L | 1 | M6 | 75 | 15 |
| T49M8L | 1 | M8 | 75 | 15 |
| T49M10L | 1 | M10 | 75 | 15 |
| T49M12L | 1 | M12 | 75 | 15 |

- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| R | | | | |
|---------|---|----|----|----|
| | | | mm | g |
| T49SQ8 | 1 | 8 | 30 | 17 |
| T49SQ10 | 1 | 10 | 30 | 22 |



1/2" SOCKET DRIVERS

1/2" SOCKET DRIVERS FOR TORX® TAMPER SCREWS



- 1/2" socket drivers for TORX® tamper screws
- Finish: zinc phosphated
- Material: high performance alloy steel
- In plastic bag of 1 piece

| | | | | L mm | L1 mm | |
|----------|---|------|------|---------|----------|-----|
| T49T30XL | 1 | TR30 | 1/2" | 200 | 160 | 122 |
| T49T40XL | 1 | TR40 | 1/2" | 200 | 160 | 123 |
| T49T45XL | 1 | TR45 | 1/2" | 200 | 160 | 125 |
| T49T70HL | 1 | TR70 | 1/2" | 100 | 60 | 167 |
| T49T80HL | 1 | TR80 | 1/2" | 100 | 30 | 163 |

10 MM BITS SET, 49 pieces



- Drive: 10 mm
- Finish: zinc phosphated
- Material: high performance alloy steel
- In metal box

| T49 | 1 | 49 | 60 x 195 x 325 | 3.600 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|----------------|-------|
| T4901 | | | | |
| T4902 | | | | |
| T49T30XL, T49T40XL, T49T45XL, T49T70HL, T49T80HL | | | | |
| T49H4, T49H4L, T49H5, T49H5L, T49H6, T49H6L, T49H7, T49H7L, T49H8, T49H8L, T49H10, T49H10L, T49H12, T49H12L | | | | |
| T49M5, T49M5L, T49M6, T49M6L, T49M8, T49M8L, T49M10, T49M10L, T49M12, T49M12L | | | | |
| T49T20H, T49T20HL, T49T25H, T49T25HL, T49T27H, T49T27HL, T49T30H, T49T30HL, T49T40H, T49T40HL, T49T45H, T49T45HL, T49T50H, T49T50HL, T49T55H, T49T55HL, T49T60H, T49T60HL | | | | |



08. STRIKING TOOLS

PUNCHES AND CHISELS

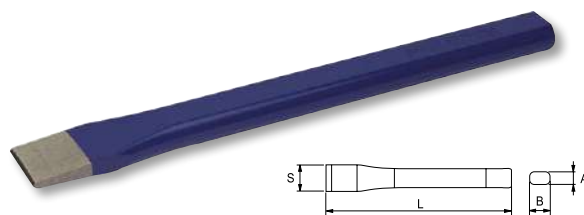
COLD CHISELS



- Chrome vanadium
- Standard: UNE 16567

| R | Icon | L mm | S mm | A mm | g |
|-----------|------|------|------|------|-----|
| 501-150-1 | 25 | 150 | 18 | 10 | 133 |
| 501-175-1 | 25 | 175 | 21 | 11 | 192 |
| 501-200-1 | 25 | 200 | 22 | 12 | 243 |
| 501-250-1 | 20 | 250 | 25 | 13 | 357 |
| 501-300-1 | 25 | 300 | 26 | 14 | 552 |

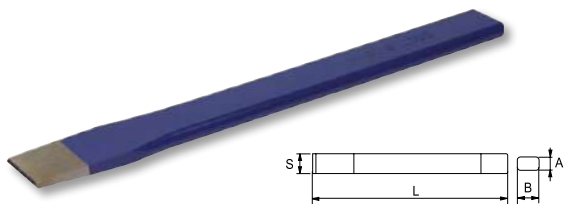
FLAT COLD CHISELS



- Chrome molib. vanadium
- Finish: Lacquered, blue painted
- Flat oval shank
- Standard: DIN 7250

| R | Icon | L mm | S mm | AxB mm | g |
|-----------|------|------|------|--------|-----|
| 504-150-1 | 10 | 150 | 21 | 11x17 | 181 |
| 504-175-1 | 10 | 175 | 24 | 12x20 | 269 |
| 504-200-1 | 10 | 200 | 28 | 13x23 | 390 |
| 504-250-1 | 10 | 250 | 28 | 13x23 | 500 |
| 504-300-1 | 10 | 300 | 32 | 13x26 | 602 |

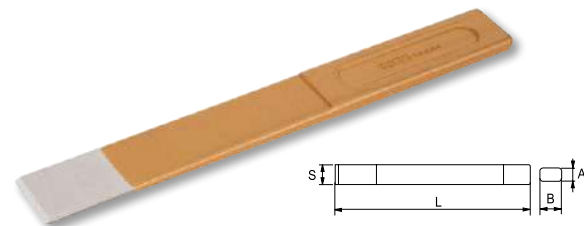
FLAT COLD CHISEL



- Chrome molib. vanadium
- Finish: Lacquered, blue painted
- Flat oval shank

| R | Icon | L mm | S mm | A mm | B mm | g |
|-----------|------|------|------|------|------|-----|
| 502-230-1 | 10 | 230 | 26 | 7 | 26 | 285 |

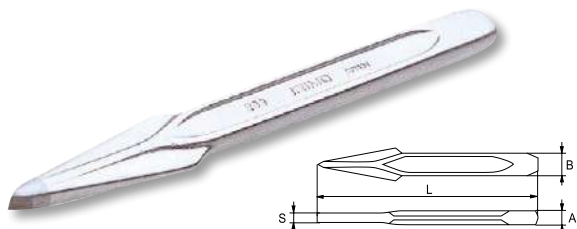
EXTRAFLAT COLD CHISEL



- Extraflat cold chisel
- Chrome molib. vanadium
- Flat oval shank

| R | Icon | L mm | S mm | A mm | B mm | g |
|-----------|------|------|------|------|------|-----|
| 500-240-1 | 10 | 230 | 26 | 4 | 26 | 278 |

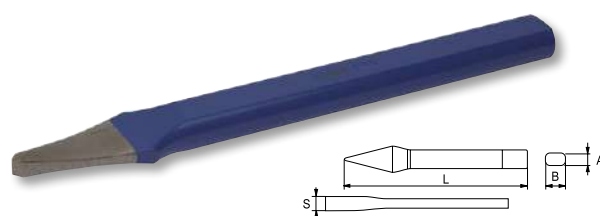
CAPE CHISELS



- Chrome vanadium
- Standard: UNE 16568

| R | Icon | L mm | S mm | AxB mm | g |
|-----------|------|------|------|--------|-----|
| 505-150-1 | 5 | 150 | 6.5 | 11x17 | 129 |
| 505-200-1 | 5 | 200 | 8.5 | 12x21 | 241 |
| 505-250-1 | 5 | 250 | 9.5 | 14x24 | 404 |

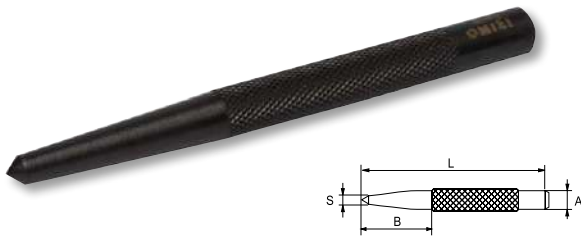
FLAT CAPE CHISELS



- Chrome molib. vanadium
- Finish: Lacquered, blue painted
- Flat oval shank
- Standard: DIN 7250

| R | Icon | L mm | S mm | AxB mm | g |
|-----------|------|------|------|--------|-----|
| 506-150-1 | 10 | 150 | 6 | 11x17 | 152 |
| 506-175-1 | 10 | 175 | 7 | 12x20 | 231 |
| 506-200-1 | 10 | 200 | 8 | 13x23 | 335 |

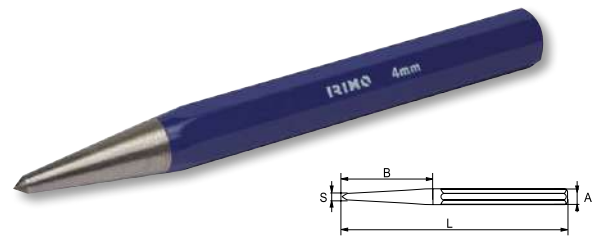
ROUND CENTRE PUNCHES



- Black finish
- Standard: UNE 16574

| E | Icon | S mm | L mm | A mm | B mm | g |
|-----------|------|------|------|------|------|----|
| 511-100-1 | | 25 | 2.5 | 100 | 8 | 35 |
| 511-105-1 | | 25 | 4 | 105 | 8 | 35 |
| 511-110-1 | | 25 | 5 | 110 | 8 | 40 |
| 511-115-1 | | 25 | 6 | 115 | 10 | 45 |
| 511-130-1 | | 20 | 8 | 130 | 12 | 50 |

OCTAGONAL CENTRE PUNCHES



- Chrome molib. vanadium
- Finish: Lacquered, blue painted
- Octagonal shank
- Standard: DIN 7250

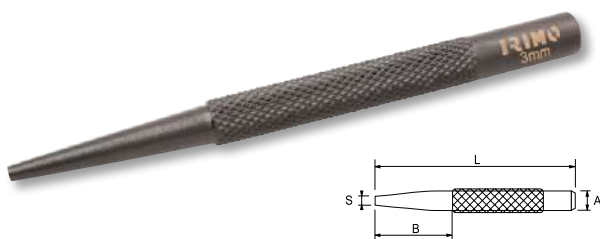
| E | Icon | S mm | L mm | A mm | B mm | g |
|-----------|------|------|------|------|------|----|
| 512-010-1 | | 25 | 4 | 120 | 10 | 40 |
| 512-012-1 | | 25 | 5 | 120 | 12 | 40 |

ROUND CENTRE PUNCH SETS



| E | Icon | S mm | L mm | A mm | B mm | g |
|----------|------|------|------|------------------------|------|-----|
| 511-91-4 | | 1 | 4 | 2.5 - 4 - 6 - 8 mm | | 234 |
| 511-92-4 | | 1 | 5 | 2.5 - 4 - 5 - 6 - 8 mm | | 275 |

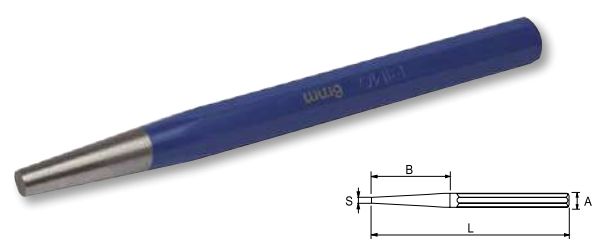
ROUND TAPER PUNCHES



- Black finish
- Standard: UNE 16576

| E | Icon | S mm | L mm | A mm | B mm | g |
|-----------|------|------|------|------|------|----|
| 513-002-1 | | 25 | 2 | 100 | 8 | 35 |
| 513-003-1 | | 25 | 3 | 100 | 8 | 35 |
| 513-004-1 | | 25 | 4 | 115 | 10 | 45 |
| 513-005-1 | | 25 | 5 | 115 | 10 | 45 |
| 513-006-1 | | 20 | 6 | 130 | 12 | 50 |
| 513-008-1 | | 20 | 8 | 150 | 12 | 55 |
| 513-010-1 | | 20 | 10 | 170 | 14 | 60 |

OCTAGONAL TAPER PUNCHES



- Chrome molib. vanadium
- Finish: Lacquered, blue painted
- Octagonal shank
- Standard: DIN 6458

| E | Icon | S mm | L mm | A mm | B mm | g |
|-----------|------|------|------|------|------|----|
| 514-002-1 | | 25 | 2 | 120 | 10 | 40 |
| 514-003-1 | | 25 | 3 | 120 | 10 | 40 |
| 514-004-1 | | 25 | 4 | 120 | 10 | 40 |
| 514-005-1 | | 25 | 5 | 120 | 10 | 40 |
| 514-006-1 | | 25 | 6 | 120 | 12 | 40 |



PUNCHES AND CHISELS

ROUND TAPER PUNCH SET



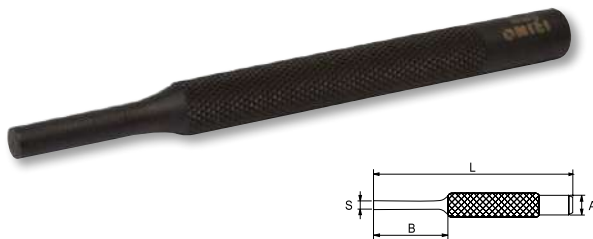
| IRIMO | Box | Case | Diagram | Weight (g) |
|----------|-----|------|-------------------|------------|
| 513-91-4 | 1 | 5 | 2-4-6-8-10 mm | 502 |
| 513-92-4 | 1 | 7 | 2-3-4-5-6-8-10 mm | 602 |

OCTAGONAL TAPER PUNCH SETS



| IRIMO | Box | Case | Dimensions (mm) | Weight (g) |
|--------------|-----|------|-----------------|------------|
| 519-91-4 | 1 | 6 | 150x80x12 | 409 |
| 2-3-4-5-6 mm | | | | |
| 4 mm | | | | |

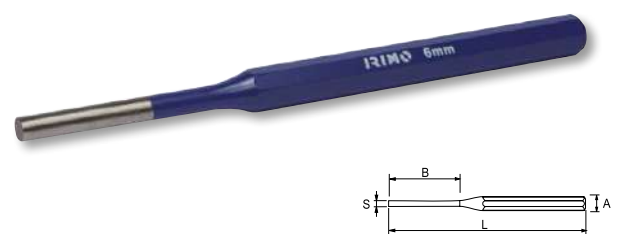
ROUND PARALLEL PIN PUNCHES



- Black finish
- Standard: UNE 16575

| IRIMO | Box | S (mm) | L (mm) | A (mm) | B (mm) | Weight (g) |
|-----------|-----|--------|--------|--------|--------|------------|
| 515-002-1 | 25 | 2 | 100 | 8 | 28 | 29 |
| 515-003-1 | 25 | 3 | 100 | 8 | 28 | 30 |
| 515-004-1 | 25 | 4 | 100 | 8 | 28 | 31 |
| 515-005-1 | 25 | 5 | 115 | 10 | 33 | 53 |
| 515-006-1 | 25 | 6 | 115 | 10 | 33 | 55 |
| 515-007-1 | 25 | 7 | 115 | 10 | 33 | 58 |
| 515-008-1 | 20 | 8 | 130 | 12 | 43 | 91 |
| 515-009-1 | 20 | 9 | 130 | 12 | 43 | 96 |
| 515-010-1 | 20 | 10 | 130 | 14 | 53 | 143 |

OCTAGONAL PARALLEL PIN PUNCHES



- Chrome molib. vanadium
- Finish: Lacquered, blue painted
- Octagonal shank
- Standard: DIN 6450

| IRIMO | Box | S (mm) | L (mm) | A (mm) | B (mm) | Weight (g) |
|-----------|-----|--------|--------|--------|--------|------------|
| 516-002-1 | 20 | 2 | 150 | 10 | 35 | 63 |
| 516-003-1 | 20 | 3 | 150 | 10 | 40 | 63 |
| 516-004-1 | 20 | 4 | 150 | 10 | 50 | 63 |
| 516-005-1 | 20 | 5 | 150 | 10 | 50 | 64 |
| 516-006-1 | 20 | 6 | 150 | 10 | 50 | 70 |
| 516-008-1 | 20 | 8 | 150 | 12 | 55 | 106 |

ROUND PARALLEL PIN PUNCH SET



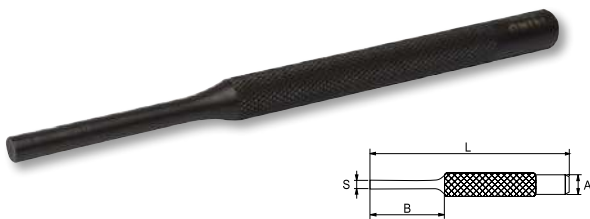
| | | | | |
|----------|---|---|-----------------------|-----|
| | | | | |
| 515-91-4 | 1 | 9 | 2-3-4-5-6-7-8-9-10 mm | 622 |

OCTAGONAL PARALLEL PIN PUNCH SET



| | | | | |
|----------|---|---|----------------|-----|
| | | | | |
| 519-92-4 | 1 | 6 | 2-3-4-5-6-8 mm | 409 |

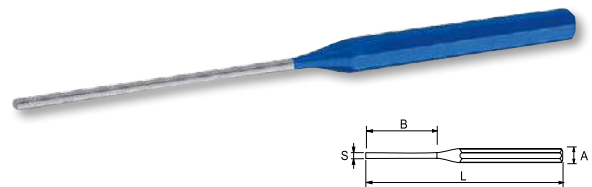
ROUND PARALLEL PIN PUNCHES, LONG SERIES



- Black finish
- Standard: UNE 16575

| | | S mm | L mm | A mm | B mm | |
|-----------|----|------|------|------|------|-----|
| 517-120-1 | 25 | 2 | 120 | 8 | 30 | 33 |
| 517-130-1 | 25 | 3 | 130 | 8 | 40 | 35 |
| 517-135-1 | 25 | 4 | 135 | 8 | 45 | 37 |
| 517-140-1 | 25 | 5 | 140 | 10 | 50 | 60 |
| 517-145-1 | 20 | 6 | 145 | 10 | 55 | 64 |
| 517-150-1 | 20 | 8 | 150 | 12 | 60 | 100 |

OCTAGONAL PARALLEL PIN PUNCHES, LONG SERIES



- Finish: Lacquered, blue painted
- Octagonal shank
- Long length

| | | S mm | L mm | A mm | B mm | |
|-----------|----|------|------|------|------|----|
| 518-004-1 | 20 | 4 | 175 | 10 | 80 | 61 |
| 518-006-1 | 20 | 6 | 175 | 10 | 80 | 72 |

ROUND PARALLEL PIN PUNCH SETS, LONG SERIES

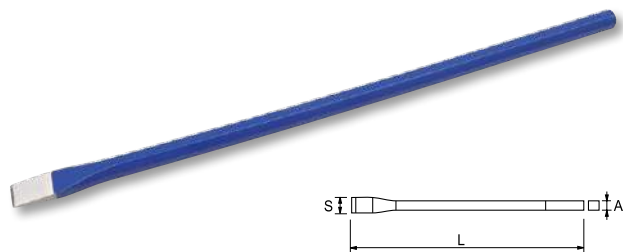


| | | | | |
|----------|---|---|----------------|-----|
| | | | | |
| 517-91-4 | 1 | 6 | 2-3-4-5-6-8 mm | 355 |



PUNCHES AND CHISELS

ELECTRICIAN'S COLD CHISELS



- Finish: Lacquered, blue painted
- Chrome molib. vanadium

| IRIMO | Box | L mm | S mm | A mm | g |
|-----------|-----|------|------|------|-----|
| 503-200-1 | 20 | 200 | 12 | 8 | 93 |
| 503-250-1 | 20 | 250 | 12 | 8 | 119 |
| 503-300-1 | 20 | 300 | 12 | 8 | 142 |

SET



| IRIMO | Box | Box X | mm | g |
|----------------------|-----|-------|-----------|-----|
| 519-93-4 | 1 | 6 | 160x85x12 | 600 |
| 504-150-1 | | | | |
| 506-150-1 | | | | |
| 512-010-1 | | | | |
| 514-003-1, 514-004-1 | | | | |
| 516-005-1 | | | | |

ENGINEERS SCRIBERS



- Suitable for marking on hard surfaces
- 150 mm long

| IRIMO | Box | L mm | g |
|--------|-----|------|----|
| 511501 | 1 | 150 | 39 |

WRECKING BARS



- Heavy duty tool for striking tasks
- Designed for a good penetration in very narrow places and nails provided
- With special designed claw areas to facilitate nail extraction
- Smooth finishing and high quality paint to get a comfortable use

| IRIMO | Box | Ø mm | L mm | g |
|----------|-----|------|------|-------|
| WB-300-2 | 1 | 14 | 346 | 450 |
| WB-500-2 | 1 | 16 | 487 | 1.100 |
| WB-625-2 | 1 | 17 | 685 | 1.450 |
| WB-710-2 | 1 | 17 | 704 | 1.950 |
| WB-900-2 | 1 | 20 | 890 | 2.850 |

HAMMERS

CURVED CLAW HAMMER WITH WOODEN HICKORY HANDLE



- Handle fitting to hammer head with wedges

| E | Box | oz | g | A mm | B mm | L mm | g |
|----------|-----|----|-----|------|------|------|-----|
| 520-41-2 | 6 | 16 | 450 | 29 | 130 | 330 | 710 |
| 520-61-2 | 6 | 20 | 560 | 30 | 140 | 333 | 820 |

SPARE WOODEN HICKORY HANDLE FOR CURVED CLAW HAMMERS



- Served with corresponding wedges

| E | Box | g | g |
|----------|-----|---------------------|-----|
| 520-42-2 | 12 | 520-41-2 / 520-61-2 | 160 |

SPANISH TYPE CURVED CLAW HAMMER WITH WOODEN HICKORY HANDLE



- Handle has conical fitting to the hammer head

| E | Box | g | A mm | B mm | L mm | g |
|----------|-----|-----|------|-------|------|-----|
| 521-51-2 | 6 | 350 | 28.2 | 107.3 | 330 | 500 |
| 521-71-2 | 6 | 475 | 31.1 | 118.3 | 330 | 625 |
| 521-81-2 | 6 | 550 | 31.6 | 125.5 | 330 | 700 |

SPARE WOODEN HICKORY HANDLE FOR SPANISH TYPE CURVED CLAW HAMMERS



- Conical hickory handle

| E | Box | g | g |
|----------|-----|---------------------|-----|
| 521-52-2 | 18 | 521-51-2 / 521-71-2 | 160 |
| 521-82-2 | 18 | 521-81-2 | 160 |

CURVED CLAW HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fibreglass core and covered with polypropylene and elastomere for an effective grip

| E | Box | oz | g | A mm | B mm | L mm | g |
|----------|-----|----|-----|------|------|------|-----|
| 520-43-2 | 6 | 16 | 450 | 29 | 130 | 330 | 710 |
| 520-63-2 | 6 | 20 | 560 | 30 | 140 | 333 | 820 |

STUBBY CLAW HAMMER



- Handle specially glued to hammer head
- Trimaterial handle with fibreglass core and covered with polypropylene and elastomere for an effective grip
- Magnet on the head for holding the nail

| E | Box | oz | g | A mm | B mm | L mm | g |
|-----------|-----|----|-----|------|------|------|-----|
| 520-13S-1 | 6 | 8 | 227 | 23 | 105 | 160 | 300 |

SPANISH TYPE CURVED CLAW HAMMER WITH FIBREGLASS HANDLE



- Handle has conical fitting to hammer head
- Conical trimaterial handle with fibreglass core and covered with polypropylene and elastomere for an effective grip

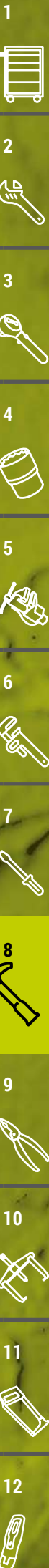
| E | Box | g | A mm | B mm | L mm | g |
|----------|-----|-----|------|-------|------|-----|
| 521-53-2 | 6 | 350 | 28.2 | 107.3 | 330 | 500 |
| 521-73-2 | 6 | 475 | 31.1 | 118.3 | 330 | 625 |
| 521-83-2 | 6 | 550 | 31.6 | 125.5 | 327 | 700 |

SPARE FIBREGLASS HANDLE FOR SPANISH TYPE CURVED CLAW HAMMERS



- Conical trimaterial handle with fibreglass core and covered with polypropylene and elastomere for an effective grip

| E | Box | g | g |
|----------|-----|---------------------|-----|
| 521-54-2 | 18 | 521-53-2 / 521-73-2 | 160 |
| 521-84-2 | 18 | 521-83-2 | 160 |



HAMMERS

JOINER'S HAMMER WITH WOODEN HICKORY HANDLE



- Handle fitted with wedges to hammer head

| R | Icon | g | A mm | B mm | L mm | g |
|----------|------|-----|------|------|------|-----|
| 522-21-2 | 12 | 170 | 20 | 91 | 282 | 270 |
| 522-31-2 | 6 | 270 | 25 | 107 | 291 | 380 |
| 522-41-2 | 6 | 460 | 30 | 120 | 311 | 680 |

GERMAN DIN HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to hammer head

| R | Icon | g | A mm | B mm | L mm | g |
|----------|------|-------|------|------|------|-------|
| 525-11-2 | 6 | 100 | 17 | 90 | 270 | 250 |
| 525-21-2 | 6 | 200 | 19 | 95 | 280 | 280 |
| 525-31-2 | 6 | 300 | 23 | 105 | 300 | 420 |
| 525-41-2 | 6 | 500 | 27 | 118 | 320 | 650 |
| 525-61-2 | 6 | 800 | 33 | 130 | 350 | 990 |
| 525-71-2 | 4 | 1.000 | 36 | 135 | 360 | 1.220 |
| 525-81-2 | 4 | 1.500 | 42 | 145 | 380 | 1.790 |
| 525-91-2 | 4 | 2.000 | 45 | 150 | 380 | 2.300 |

SPARE WOODEN HICKORY HANDLE FOR JOINER'S HAMMERS



- Served with corresponding wedges

| R | Icon | g | g |
|----------|------|----------|-----|
| 522-22-2 | 18 | 522-21-2 | 63 |
| 522-32-2 | 18 | 522-31-2 | 100 |
| 522-42-2 | 18 | 522-41-2 | 140 |

SPARE WOODEN HICKORY HANDLE FOR GERMAN DIN HAMMERS



- Served with corresponding wedges

| R | Icon | g | g |
|----------|------|----------|-----|
| 525-12-2 | 12 | 525-11-2 | 96 |
| 525-22-2 | 12 | 525-21-2 | 86 |
| 525-32-2 | 12 | 525-31-2 | 93 |
| 525-42-2 | 12 | 525-41-2 | 136 |
| 525-62-2 | 12 | 525-61-2 | 212 |
| 525-72-2 | 12 | 525-71-2 | 260 |
| 525-82-2 | 12 | 525-81-2 | 298 |
| 525-92-2 | 12 | 525-91-2 | 344 |

JOINER'S HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

| R | Icon | g | A mm | B mm | L mm | g |
|----------|------|-----|------|------|------|-----|
| 522-23-2 | 12 | 170 | 20 | 91 | 282 | 270 |
| 522-33-2 | 6 | 270 | 25 | 107 | 291 | 380 |
| 522-43-2 | 6 | 460 | 30 | 120 | 311 | 680 |

GERMAN DIN HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

| R | Icon | g | A mm | B mm | L mm | g |
|----------|------|-----|------|------|------|-----|
| 525-43-2 | 6 | 500 | 27 | 118 | 330 | 735 |

RIVOIR HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to hammer head

| R | Box | g | A mm | B mm | L mm | g |
|----------|-----|-------|------|------|------|-------|
| 526-31-2 | 4 | 250 | 25 | 81.5 | 265 | 350 |
| 526-41-2 | 4 | 400 | 30 | 92 | 280 | 520 |
| 526-51-2 | 4 | 630 | 35 | 103 | 300 | 800 |
| 526-61-2 | 4 | 800 | 40 | 110 | 330 | 1.000 |
| 526-71-2 | 4 | 1.150 | 45 | 124 | 350 | 1.400 |
| 526-91-2 | 4 | 2.000 | 50 | 138 | 380 | 2.250 |

SPARE WOODEN HICKORY HANDLE FOR RIVOIR HAMMERS



- Served with corresponding wedges

| R | Box | g | |
|----------|-----|----------|-----|
| 526-32-2 | 12 | 526-31-2 | 93 |
| 526-42-2 | 12 | 526-41-2 | 136 |
| 526-52-2 | 12 | 526-51-2 | 212 |
| 526-62-2 | 12 | 526-61-2 | 260 |
| 526-72-2 | 12 | 526-71-2 | 298 |
| 526-92-2 | 12 | 526-91-2 | 344 |

RIVOIR HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

| R | Box | g | A mm | B mm | L mm | g |
|----------|-----|-----|------|------|------|-----|
| 526-53-2 | 6 | 630 | 35 | 103 | 330 | 630 |

BALL PEIN HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to hammer head

| R | Box | oz | g | A mm | B mm | L mm | g | |
|----------|-----|----|----|-------|------|------|-----|-------|
| 527-31-2 | 6 | B | 12 | 340 | 27 | 87 | 318 | 440 |
| 527-41-2 | 6 | C | 16 | 455 | 30 | 97 | 318 | 560 |
| 527-51-2 | 6 | D | 20 | 560 | 33 | 106 | 318 | 720 |
| 527-61-2 | 6 | E | 24 | 680 | 35 | 116 | 343 | 920 |
| 527-71-2 | 6 | F | 32 | 910 | 37 | 127 | 343 | 1.148 |
| 527-81-2 | 6 | G | 40 | 1.135 | 38 | 134 | 378 | 1.400 |
| 527-91-2 | 6 | H | 48 | 1.360 | 40 | 144 | 385 | 1.640 |

SPARE WOODEN HICKORY HANDLE FOR BALL PEIN HAMMERS



- Served with corresponding wedges

| R | Box | g | |
|----------|-----|--------------------------------------------|-----|
| 527-32-2 | 18 | 527-31-2 (B) / 527-41-2 (C) / 527-51-2 (D) | 100 |
| 527-52-2 | 12 | 527-61-2 (E) / 527-71-2 (F) | 160 |
| 527-82-2 | 12 | 527-81-2 (G) / 527-91-2 (H) | 220 |

BALL PEIN HAMMER WITH FIBREGLASS HANDLE



- Handle specially glued to hammer head
- Trimaterial handle with fiberglass core and covered with polypropylene and elastomere for an effective grip

| R | Box | oz | g | A mm | B mm | L mm | g | |
|----------|-----|----|----|-------|------|------|-----|-------|
| 527-33-2 | 6 | B | 12 | 340 | 27 | 90 | 317 | 500 |
| 527-43-2 | 6 | C | 16 | 455 | 30 | 100 | 320 | 600 |
| 527-53-2 | 6 | D | 20 | 560 | 33 | 108 | 324 | 760 |
| 527-63-2 | 6 | E | 24 | 680 | 35 | 120 | 335 | 920 |
| 527-73-2 | 6 | F | 32 | 910 | 37 | 131 | 337 | 1.148 |
| 527-83-2 | 6 | G | 40 | 1.135 | 38 | 139 | 387 | 1.400 |
| 527-93-2 | 6 | H | 48 | 1.360 | 40 | 148 | 390 | 1.640 |



HAMMERS

STONING HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to the club hammer head

| R | Icon | g | A mm | B mm | L mm | g |
|----------|------|-------|------|------|------|-------|
| 530-03-2 | 6 | 700 | 35 | 110 | 280 | 800 |
| 530-05-2 | 6 | 1.000 | 38 | 120 | 280 | 1.200 |
| 530-07-2 | 6 | 1.250 | 43 | 135 | 280 | 1.400 |

SPARE WOODEN HICKORY HANDLE FOR STONING HAMMERS



- Served with corresponding wedges

| R | Icon | Icon | g |
|----------|------|---------------------|-----|
| 530-13-2 | 12 | 530-03-2 | 145 |
| 530-15-2 | 12 | 530-05-2 / 530-07-2 | 159 |

STONING HAMMER WITH WOODEN HICKORY HANDLE



- Handle wedged to club hammer head

| R | Icon | g | A mm | B mm | L mm | g |
|----------|------|-------|------|------|------|-------|
| 531-05-2 | 6 | 1.000 | 40 | 95 | 260 | 1.155 |
| 531-07-2 | 6 | 1.250 | 43 | 100 | 260 | 1.405 |
| 531-08-2 | 4 | 1.500 | 45 | 110 | 280 | 1.675 |
| 531-09-2 | 2 | 2.000 | 50 | 120 | 300 | 2.235 |

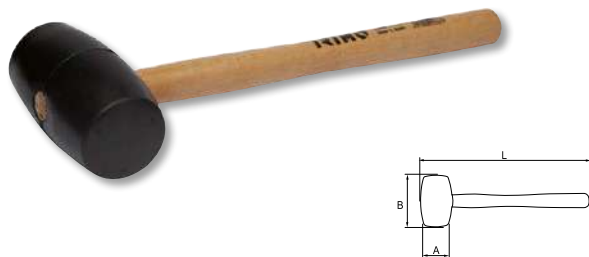
SPARE WOODEN HICKORY HANDLE FOR STONING HAMMERS



- Served with corresponding wedges

| R | Icon | Icon | g |
|----------|------|----------|-----|
| 531-15-2 | 12 | 531-05-2 | 165 |
| 531-17-2 | 12 | 531-07-2 | 168 |
| 531-18-2 | 12 | 531-08-2 | 205 |
| 531-19-2 | 12 | 531-09-2 | 231 |

BLACK RUBBER MALLET



- Handle wedged to club hammer head

| R | Icon | A mm | B mm | L mm | g |
|--------|------|------|------|------|-----|
| 529251 | 1 | 55 | 90 | 320 | 250 |
| 529261 | 1 | 65 | 115 | 340 | 440 |
| 529271 | 1 | 75 | 125 | 360 | 600 |
| 529291 | 1 | 90 | 139 | 360 | 720 |

ANTI-BOUNCE NYLON FACED HAMMERS



• Wooden handle

| R | | S mm | A mm | L mm | g |
|--------|---|------|------|------|-------|
| 529611 | 6 | 35 | 115 | 370 | 500 |
| 529621 | 6 | 50 | 120 | 390 | 1.000 |
| 529631 | 6 | 60 | 125 | 420 | 1.560 |



• Anti-bounce nylon tips

| R | | A mm | L mm | g |
|--------|---|------|------|----|
| 529701 | 6 | 25 | 35 | 20 |
| 529711 | 6 | 28 | 50 | 50 |
| 529721 | 6 | 30 | 60 | 60 |



• Anti-bounce hammer handle

| R | | | g |
|--------|---|--------|-----|
| 529801 | 1 | 529611 | 90 |
| 529811 | 1 | 529621 | 140 |
| 529821 | 1 | 529631 | 215 |

NYLON FACED HAMMERS



• Metal handle, rubber grip

| R | | S mm | A mm | L mm | g |
|--------|---|------|------|------|-------|
| 529021 | 6 | 28 | 80 | 255 | 325 |
| 529031 | 6 | 35 | 100 | 285 | 650 |
| 529041 | 6 | 44 | 125 | 300 | 1.105 |

NYLON FACED HAMMERS



• Wooden handle

| R | | S mm | A mm | L mm | g |
|--------|---|------|------|------|-------|
| 529151 | 6 | 22 | 65 | 215 | 145 |
| 529161 | 6 | 28 | 80 | 270 | 260 |
| 529171 | 6 | 35 | 100 | 295 | 500 |
| 529181 | 6 | 44 | 125 | 345 | 1.010 |
| 529191 | 6 | 55 | 140 | 380 | 1.480 |



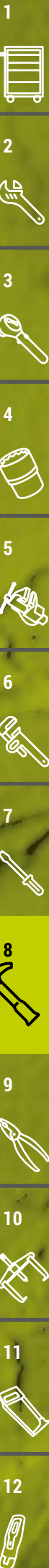
• Spare tips for nylon faced hammers

| R | | A mm | L mm | Ø mm | g |
|--------|----|------|------|------|----|
| 529061 | 10 | 12 | 22 | 8 | 10 |
| 529071 | 10 | 19 | 28 | 9 | 15 |
| 529081 | 10 | 22 | 35 | 10 | 20 |
| 529091 | 10 | 27 | 44 | 13 | 50 |
| 529101 | 10 | 32 | 55 | 16 | 80 |



• Spare handle for nylon faced hammers

| R | | | g |
|--------|---|--------|-----|
| 529751 | 1 | 529151 | 50 |
| 529761 | 1 | 529161 | 70 |
| 529771 | 1 | 529171 | 100 |
| 529781 | 1 | 529181 | 150 |
| 529791 | 1 | 529191 | 170 |



CHISELS

CHISEL SET, 3 pieces



- General purpose bevel edge wood chisels
- Mono-material polypropylene handle
- High quality Cr-V 58-62 HRc steel blades hardened for long-lasting performance
- Ground blades
- Fitted with a tip protector

| | | | | |
|---------|---|---|---------------|-----|
| | | | | |
| 805-3-C | 1 | 3 | 12, 18, 25 mm | 589 |

WOOD CARVING SET, 6 pieces



- Carving chisel set, 6 pieces
- Rubberwood handle
- High quality chrome vanadium steel blades
- Hardness at least up to 55 HRc for durability and easy maintenance
- Black oxide finish and anti-rust oil for protection of rust
- Length of chisels: 160 mm

| | | | | |
|---------|---|---|-----|-----|
| | | | | |
| 806-6-B | 1 | 6 | 160 | 221 |

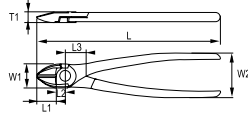
| | |
|--|------------------------------|
| | 1 piece square chisel, 12 mm |
| | 1 piece sken chisel, 12 mm |
| | 1 piece curved gouge, 6.5 mm |
| | 1 piece straight gouge, 5 mm |
| | 1 piece curved flat, 5 mm |
| | 1 piece curved U tool, 12 mm |



09. PLIERS – SCISSORS & KNIVES

PLIERS

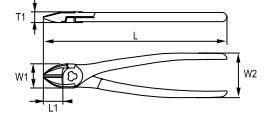
SIDE CUTTING PLIERS



- High performance steel
- Hardness: edges hardened to 60-65 HRc
- Standard: ISO 5749
- Cutting capacity:
 - 1- Bronze wire: 0.50 mm
 - 2- Medium hard wire: 1.60 mm

| Code | Material | L mm | L1 mm | L2 mm | L3 mm | W1 mm | W2 mm | T1 mm | 1 mm | 2 mm | g |
|-----------|----------|------|-------|-------|-------|-------|-------|-------|----------|----------|-----|
| 624-140-1 | 5 | 142 | 20.5 | 6 | 12 | 18.6 | 50 | 10 | Ø 0.5 mm | Ø 1.6 mm | 170 |
| 624-160-1 | 5 | 160 | 21.5 | 7 | 13 | 21.6 | 50 | 11.5 | Ø 0.5 mm | Ø 1.6 mm | 200 |
| 624-180-1 | 5 | 176 | 24.5 | 7 | 14 | 25.6 | 50 | 12.5 | Ø 0.5 mm | Ø 1.6 mm | 250 |

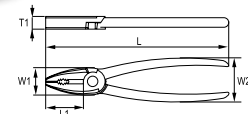
SIDE CUTTING PLIERS



- High performance steel
- Hardness: edges at 60-65 HRc
- Standard: ISO 5749
- Cutting capacity:
 - 1- Bronze wire: 0.50 mm
 - 2- Medium hard wire: 1.80-2.00 mm

| Code | Material | L mm | L1 mm | W1 mm | W2 mm | T1 mm | 1 mm | 2 mm | g |
|-----------|----------|------|-------|-------|-------|-------|----------|----------|-----|
| 625-180-1 | 5 | 180 | 20.5 | 25.6 | 49 | 11.5 | Ø 0.5 mm | Ø 1.8 mm | 280 |
| 625-200-1 | 5 | 206 | 23 | 30 | 54 | 12 | Ø 0.5 mm | Ø 2.0 mm | 320 |

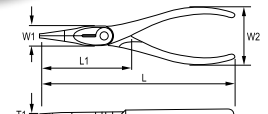
COMBINATION PLIERS



- High performance steel
- Hardness: edges at 58-65 HRc
- Standard: ISO 5746
- Cutting capacity:
 - 1- Bronze wire: 1.00 mm
 - 2- Medium hard wire: 1.60-2.00-2.50 mm

| Code | Material | L mm | L1 mm | W1 mm | W2 mm | T1 mm | 1 mm | 2 mm | g |
|-----------|----------|------|-------|-------|-------|-------|----------|----------|-----|
| 601-160-1 | 5 | 160 | 35 | 24 | 50 | 10 | Ø 1.0 mm | Ø 1.6 mm | 190 |
| 601-180-1 | 5 | 180 | 38 | 27 | 50 | 10 | Ø 1.0 mm | Ø 2.0 mm | 240 |
| 601-200-1 | 5 | 197 | 41.5 | 29.5 | 50 | 10 | Ø 1.0 mm | Ø 2.5 mm | 300 |

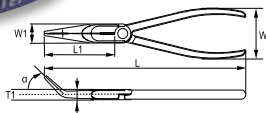
SNIPE NOSE PLIERS



- High performance steel
- Hardness: edges at 58-65 HRc
- Standard: ISO 5745
- Cutting capacity:
 - 1- Bronze wire: 1.00 mm
 - 2- Medium hard wire: 1.60 mm

| Code | Material | L mm | L1 mm | W1 mm | W2 mm | T1 mm | 1 mm | 2 mm | g |
|-----------|----------|------|-------|-------|-------|-------|----------|----------|-----|
| 612-160-1 | 5 | 161 | 61.5 | 16.5 | 49 | 10 | Ø 1.0 mm | Ø 1.6 mm | 140 |
| 612-200-1 | 5 | 201 | 78 | 18 | 50 | 10.5 | Ø 1.0 mm | Ø 1.6 mm | 180 |

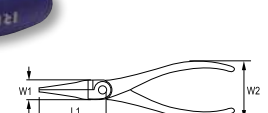
SNIPE NOSE PLIERS BENT TIP



- High performance steel
- Hardness: edges at 58-65 HRc
- Angled at 45°
- Standard: ISO 5745
- Cutting capacity:
 - 1- Bronze wire: 1.00 mm
 - 2- Medium hard wire: 1.60 mm

| Code | Material | L mm | L1 mm | W1 mm | W2 mm | T1 mm | α | 1 mm | 2 mm | g |
|-----------|----------|------|-------|-------|-------|-------|-----|----------|----------|-----|
| 613-160-1 | 5 | 158 | 48 | 18 | 50 | 9.0 | 45° | Ø 1.0 mm | Ø 1.6 mm | 132 |
| 613-200-1 | 5 | 197 | 74 | 18 | 50 | 10.5 | 45° | Ø 1.0 mm | Ø 1.6 mm | 180 |

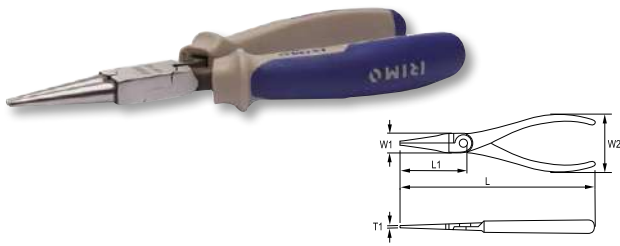
FLAT NOSE PLIERS



- High performance steel
- Hardness: 45-50 HRc
- Standard: ISO 5745

| Code | Material | L mm | L1 mm | W1 mm | W2 mm | T1 mm | g |
|-----------|----------|------|-------|-------|-------|-------|-----|
| 604-160-1 | 5 | 158 | 48 | 17 | 48 | 9 | 150 |
| 604-180-1 | 5 | 180 | 50 | 20 | 50 | 11 | 175 |

ROUND NOSE PLIERS



- High performance steel
- Hardness: 45-50 HRc
- Standard: ISO 5745

| E | Icon | L mm | L1 mm | W1 mm | W2 mm | T1 mm | g |
|-----------|------|------|-------|-------|-------|-------|-----|
| 608-160-1 | 5 | 158 | 38 | 17 | 48 | 8.5 | 150 |

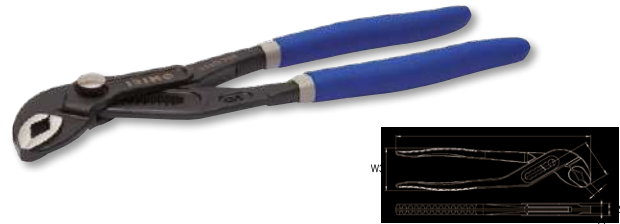
SLIP JOINT PLIERS



- High performance steel
- Hardness: teeth hardened to 50-57 HRc
- Standard: ISO 8976

| E | Icon | L mm | W1 mm | W2 mm | W3 mm | T1 mm | T2 mm | g |
|-----------|------|------|-------|-------|-------|-------|-------|-----|
| 634-200-1 | 5 | 175 | 5.8 | 35.8 | 41 | 7 | 12 | 170 |
| 634-250-1 | 5 | 240 | 5 | 47.5 | 50 | 7.5 | 12.5 | 320 |
| 634-300-1 | 5 | 302 | 3 | 52.5 | 59.6 | 8 | 14.5 | 430 |

QUICK ADJUST SLIP JOINT PLIERS



- With button for a quick adjustment
- High performance steel
- Hardness: teeth hardened to 50-57 HRc
- Standard: ISO 8976

| E | Icon | L mm | W1 mm | W2 mm | W3 mm | T1 mm | T2 mm | g |
|------------|------|------|-------|-------|-------|-------|-------|-----|
| 634Q-250-1 | 5 | 240 | 5 | 47.5 | 50 | 7.5 | 12.5 | 320 |

PLIERS SETS

PLIERS SETS



- High performance steel
- Bi-material handles

| E | Icon | Icon | Icon | g |
|---------|------|------|----------------|-----|
| 601-3-C | 1 | 3 | 270 x 205 x 40 | 690 |

| | |
|-----------|--|
| 601-180-1 | |
| 624-160-1 | |
| 612-200-1 | |

PLIERS SETS



- High performance steel
- Bi-material handles

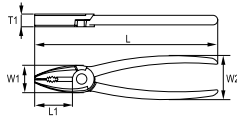
| E | Icon | Icon | Icon | g |
|---------|------|------|----------------|-----|
| 602-3-C | 1 | 3 | 270 x 205 x 40 | 850 |

| | |
|-----------|--|
| 601-180-1 | |
| 624-160-1 | |
| 634-250-1 | |



MINI PLIERS

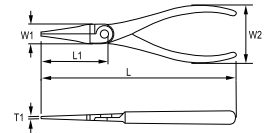
MINI COMBINATION PLIERS



- Mini combination pliers for fine assembly work in electronics and fine mechanics
- With gripping zones for flat and round material, suitable for versatile use
- With cutting edge for soft wire
- Cutting edge hardness: 58-65 HRc
- Soft grip bimaterial handles provide comfort and control
- Equipped with a return spring
- High performance alloy steel
- Standard: ISO 9655
- Cutting capacity:
 - 1- Min. cutting capacity Cu: 0.5 mm
 - 2- Max. cutting capacity medium hard wire: 0.8 mm

| Part No. | Icon | L mm | L1 mm | W1 mm | W2 mm | T1 mm | 1 mm | 2 mm | g | |
|------------|------|------|-------|-------|-------|-------|------|------|-----|----|
| 601M-125-1 | | 5 | 120 | 22 | 15 | 85 | 7 | 0.5 | 0.8 | 60 |

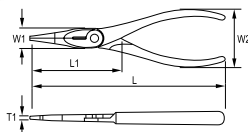
MINI FLAT NOSE PLIERS



- Mini flat nose pliers for fine assembly work in electronics and fine mechanics
- Smooth jaws for gripping, holding and bending delicate components
- Hardness: 42-50 HRc
- Soft grip bimaterial handles provide comfort and control
- Equipped with a return spring
- High performance alloy steel
- Standard: ISO 9655

| Part No. | Icon | L mm | L1 mm | W1 mm | W2 mm | T1 mm | 1 mm | 2 mm | g |
|------------|------|------|-------|-------|-------|-------|------|------|----|
| 604M-125-1 | | 5 | 130 | 27 | 12 | 85 | 8 | | 89 |

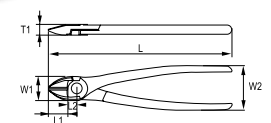
MINI SNIPE NOSE PLIERS



- Mini snipe nose pliers for fine assembly work in electronics and fine mechanics
- With serrated jaws for a better grip
- With cutting edge for soft wire
- Cutting edge hardness: 58-65 HRc
- Soft grip bimaterial handles provide comfort and control
- Equipped with a return spring
- High performance alloy steel
- Standard: ISO 9655
- Cutting capacity:
 - 1- Min. cutting capacity Cu: 0.5 mm
 - 2- Max. cutting capacity medium hard wire: 0.8 mm

| Part No. | Icon | L mm | L1 mm | W1 mm | W2 mm | T1 mm | 1 mm | 2 mm | g | |
|------------|------|------|-------|-------|-------|-------|------|------|-----|----|
| 612M-125-1 | | 5 | 130 | 27 | 12 | 85 | 8 | 0.5 | 0.8 | 86 |

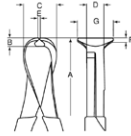
MINI SIDE CUTTING PLIERS



- Mini side cutting pliers for fine cutting work in electronics and fine mechanics
- With induction hardened cutting edge for soft and hard wire
- Oval head design
- Cutting edge hardness: 58-65 HRc
- Soft grip bimaterial handles provide comfort and control
- Equipped with a return spring
- High performance alloy steel
- Standard: ISO 9654
- Cutting capacity:
 - 1- Min. cutting capacity Cu: 0.5 mm
 - 2- Max. cutting capacity medium hard wire: 0.8 mm

| Part No. | Icon | L mm | L1 mm | W1 mm | W2 mm | T1 mm | 1 mm | 2 mm | g | |
|------------|------|------|-------|-------|-------|-------|------|------|-----|----|
| 624M-125-1 | | 5 | 120 | 16 | 12 | 85 | 8 | 0.5 | 0.8 | 81 |

MINI END CUTTING PLIERS

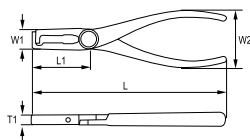


- Mini end cutting pliers for fine cutting work in electronics and fine mechanics
- With induction hardened cutting edge for soft and hard wire
- Cutting edge hardness: 58-65 HRc
- Soft grip bimaterial handles provide comfort and control
- Equipped with a return spring
- High performance alloy steel
- Standard: ISO 9654
- Cutting capacity:
 - 1- Min. cutting capacity Cu: 0.5 mm
 - 2- Max. cutting capacity medium hard wire: 0.8 mm

| Q | Icon | A | B | C | D | E | F | G | Icon | Icon | g | |
|------------|------|----|-----|----|----|----|----|----|------|------|-----|----|
| | | mm | mm | mm | mm | mm | mm | mm | 1 mm | 2 mm | | |
| 626M-125-1 | | 5 | 110 | 8 | 16 | 10 | 3 | 3 | 9 | 0.5 | 0.8 | 81 |

PLIERS FOR ELECTRICIANS

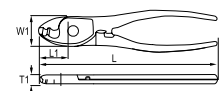
STRIPPING PLIERS



- High performance steel
- Hardness: 45-50 HRc

| Q | Icon | L | L1 | W1 | W2 | T1 | Icon | g | |
|-----------|------|----|-----|------|----|----|------|-----|-----|
| | | mm | mm | mm | mm | mm | mm | | |
| 629-160-1 | | 5 | 160 | 40.5 | 19 | 48 | 9 | 1-6 | 170 |

COPPER ALUMINIUM WIRE CUTTER



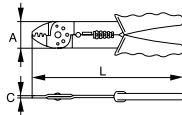
- Wire cutting and stripping pliers for copper and aluminium
- Finish: Forged surfaces are black finished and mirror polished
- Material: Carbon steel, PVC coated handles

| Q | Icon | L | L1 | W1 | T1 | Icon | Icon | g | |
|-----------|------|----|-----|----|----|------|-------|----|-----|
| | | mm | mm | mm | mm | mm | mm | | |
| 655-160-1 | | 5 | 160 | 25 | 25 | 10 | 50/35 | 10 | 160 |
| 655-200-1 | | 5 | 200 | 28 | 30 | 12 | 70/50 | 13 | 280 |



PLIERS FOR ELECTRICIANS

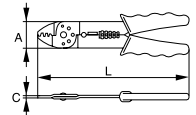
CRIMPING PLIER INSULATED TERMINALS



- Pliers made of thick metal steel sheet and working areas are hardened
- Lightweight, occupy small volume and are easy to carry in the toolbox
- Suitable for crimping, cutting and stripping operations
- Crimping terminals: 1.5/2.5/6 mm²
- Cutting: M2.6-M5.0
- Stripping: 0.75-6.0 mm²

| Code | Box | L (mm) | A (mm) | C (mm) | mm ² | AWG | mm ² | AWG | mm ² | g |
|----------|-----|--------|--------|--------|-----------------|-------|-----------------|-------|-----------------|-----|
| 630-B1-1 | 12 | 220 | 38 | 3 | 1.5-6.0 | 20-10 | 0.75-6.0 | 20-10 | 0.75-6.00 | 220 |

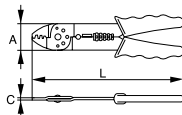
CRIMPING PLIER NON-INSULATED TERMINALS



- Pliers made of thick metal steel sheet and working areas are hardened
- Lightweight, occupy small volume and are easy to carry in the toolbox
- Suitable for crimping, cutting and stripping operations
- Crimping terminals: 1.5/2.5/6 mm²
- Cutting: M2.6-M5.0
- Stripping: 0.75-6.0 mm²

| Code | Box | L (mm) | A (mm) | C (mm) | mm ² | AWG | mm ² | AWG | mm ² | g |
|----------|-----|--------|--------|--------|-----------------|-------|-----------------|-------|-----------------|-----|
| 630-B2-1 | 12 | 220 | 38 | 3 | 1.5-6.0 | 14-10 | 0.75-6.0 | 18-12 | 0.75-6.00 | 220 |

CRIMPING PLIER NON-INSULATED FASTON TYPE TERMINALS



- Pliers made of thick metal steel sheet and working areas are hardened
- Lightweight, occupy small volume and are easy to carry in the toolbox
- Suitable for crimping, cutting and stripping operations
- Crimping terminals: 1.5/2.5/6 mm²
- Cutting: M2.6-M5.0
- Stripping: 0.75-6.0 mm²

| Code | Box | L (mm) | A (mm) | C (mm) | mm ² | AWG | mm ² | AWG | mm ² | g |
|----------|-----|--------|--------|--------|-----------------|-------|-----------------|-------|-----------------|-----|
| 630-B3-1 | 12 | 220 | 38 | 3 | 1.5-6.0 | 14-10 | 0.75-6.0 | 18-12 | 0.75-6.00 | 220 |

CRIMPING PLIER INSULATED TERMINALS SET



- Pliers made of thick metal steel sheet and working areas are hardened
- Lightweight, occupy small volume and are easy to carry in the toolbox
- Suitable for crimping, cutting and stripping operations
- 60 insulated terminals and crimping pliers are included in the set
- Crimping terminals: 1.5/2.5/6 mm²
- Cutting: M2.6-M5.0
- Stripping: 0.75-6.0 mm²

| Code | Box | Quantity | Dimensions (mm) | Weight (g) |
|------------|-----|----------|-----------------|------------|
| 630-61B1-4 | 1 | 60 + 1 | 24 x 160 x 270 | 370 |

INSULATED END SLEEVES AND PLUG CONNECTORS SET, 295 pieces



- Plastic box with compartments
- Contents:
 - 45 pcs insulated end sleeves with different diameters
 - 250 pcs insulated plug connectors with different shapes and diameters

| | | | | |
|------------|---|-----|----------------|-----|
| | | | | |
| 630-295T-4 | 1 | 295 | 30 x 115 x 220 | 250 |

CRIMPING PLIER SET WITH INTERCHANGEABLE JAWS



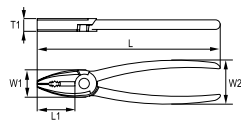
* Compatible for solar panel connectors MC4

- Blow molded case
- Strong ratcheting plier with bimaterial handles for a perfect grip
- Contents:
 - Jaw for non-insulated open barrel terminals 0.5-6 mm² / AWG 22-10
 - Jaw for insulated terminals 0.5-6 mm² / AWG 22-10
 - Jaw for non-insulated twin cord end terminals 6-16 mm² / AWG 10-6
 - Jaw for cord end terminals 4-35 mm² / AWG 10-35
 - Jaw for non-insulated terminals 0.5-10 mm² / AWG 22-8

| | | | | |
|-----------|---|---|----------------|-----|
| | | | | |
| 630-5HD-4 | 1 | 5 | 60 x 250 x 290 | 450 |

INSULATED PLIERS

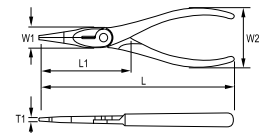
INSULATED COMBINATION PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 58-65 HRC
- Standard: ISO 5746
- Cutting capacity:
 - 1- Bronze wire: 1.00 mm
 - 2- Medium hard wire: 1.60-2.00-2.50 mm

| | | L mm | L1 mm | W1 mm | W2 mm | T1 mm | | | |
|------------|---|------|-------|-------|-------|-------|----------|----------|-----|
| 601V-160-1 | 5 | 160 | 35 | 24 | 50 | 10 | Ø 1.0 mm | Ø 1.6 mm | 190 |
| 601V-180-1 | 5 | 180 | 38 | 27 | 50 | 10 | Ø 1.0 mm | Ø 2.0 mm | 240 |
| 601V-200-1 | 5 | 197 | 41.5 | 29.5 | 50 | 11 | Ø 1.0 mm | Ø 2.5 mm | 300 |

INSULATED FLAT NOSE PLIER

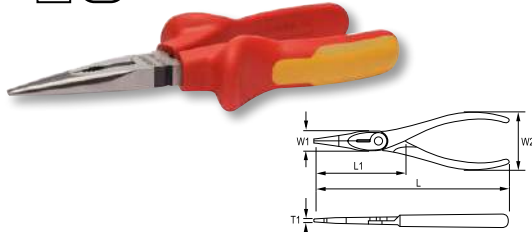
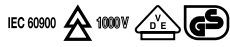


- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 58-65 HRC
- Standard: ISO 5745

| | | L mm | L1 mm | W1 mm | W2 mm | T1 mm | |
|------------|---|------|-------|-------|-------|-------|-----|
| 604V-160-1 | 5 | 158 | 48 | 17 | 50 | 9 | 150 |

INSULATED PLIERS

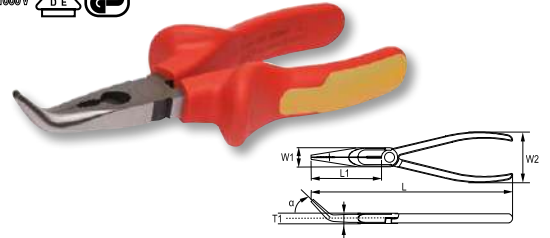
INSULATED SNIPE NOSE PLIERS



- High performance steel
- Hardness: edges at 58-65 HRC
- Standard: ISO 5746
- Cutting capacity:
 - 1- Bronze wire: 1.00 mm
 - 2- Medium hard wire: 1.60 mm

| | ⊕ | 📦 | L | L1 | W1 | W2 | T1 | 1 mm | 2 mm | g |
|------------|---|---|-----|------|------|----|------|----------|----------|-----|
| 612V-160-1 | 5 | | 161 | 61.5 | 16.5 | 49 | 10 | Ø 1.0 mm | Ø 1.6 mm | 140 |
| 612V-200-1 | 5 | | 201 | 78 | 18 | 50 | 10.5 | Ø 1.0 mm | Ø 1.6 mm | 180 |

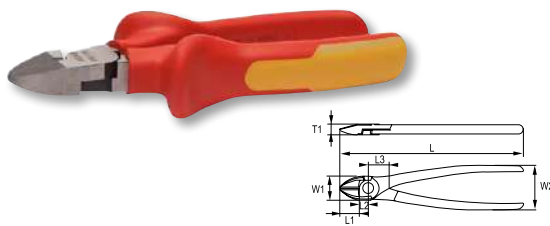
INSULATED SNIPE NOSE PLIERS BENT TIP



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 58-65 HRC
- Angled at 45°
- Standard: ISO 5746
- Cutting capacity:
 - 1- Bronze wire: 1.00 mm
 - 2- Medium hard wire: 1.60 mm

| | ⊕ | 📦 | L | L1 | W1 | W2 | T1 | α | 1 mm | 2 mm | g |
|------------|---|---|-----|----|----|----|------|-----|----------|----------|-----|
| 613V-160-1 | 5 | | 158 | 50 | 18 | 18 | 9.0 | 45° | Ø 1.0 mm | Ø 1.6 mm | 132 |
| 613V-200-1 | 5 | | 197 | 74 | 18 | 50 | 10.5 | 45° | Ø 1.0 mm | Ø 1.6 mm | 180 |

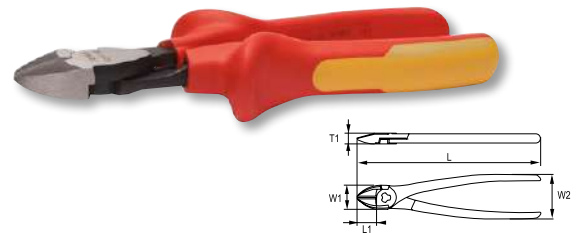
INSULATED SIDE CUTTING PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 60-65 HRC
- Standard: ISO 5749
- Cutting capacity:
 - 1- Bronze wire: 0.50 mm
 - 2- Medium hard wire: 1.60 mm

| | ⊕ | 📦 | L | L1 | L2 | L3 | W1 | W2 | T1 | 1 mm | 2 mm | g |
|------------|---|---|-----|------|----|----|------|----|------|----------|----------|-----|
| 624V-140-1 | 5 | | 142 | 20.5 | 7 | 13 | 18.6 | 50 | 10.0 | Ø 0.5 mm | Ø 1.6 mm | 170 |
| 624V-160-1 | 5 | | 155 | 21.5 | 7 | 13 | 21.6 | 50 | 11.5 | Ø 0.5 mm | Ø 1.6 mm | 200 |

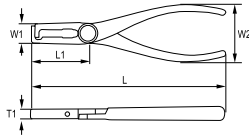
INSULATED HEAVY DUTY SIDE CUTTING PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: edges at 60-65 HRC
- Standard: ISO 5749
- Cutting capacity:
 - 1- Bronze wire: 0.50 mm
 - 2- Medium hard wire: 1.80 mm

| | ⊕ | 📦 | L | L1 | W1 | W2 | T1 | 1 mm | 2 mm | g |
|------------|---|---|-----|------|------|----|------|----------|----------|-----|
| 625V-180-1 | 5 | | 180 | 20.5 | 25.6 | 49 | 11.5 | Ø 0.5 mm | Ø 1.8 mm | 280 |

INSULATED STRIPPING PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: 45-50 HRC

| Code | Box | L mm | L1 mm | W1 mm | W2 mm | T1 mm | Cutting capacity | Weight g |
|------------|-----|------|-------|-------|-------|-------|------------------|----------|
| 629V-160-1 | 5 | 160 | 40.5 | 19 | 48 | 9 | 1-6 | 170 |

INSULATED SLIP JOINT PLIERS



- For work on live equipment, up to 1000V
- High performance steel
- Hardness: teeth hardened to 50-57 HRC
- Standard: ISO 8976

| Code | Box | L mm | W1 mm | W2 mm | W3 mm | T1 mm | T2 mm | Weight g |
|------------|-----|------|-------|-------|-------|-------|-------|----------|
| 634V-250-1 | 5 | 240 | 5 | 47.5 | 50 | 7.5 | 12.5 | 310 |

INSULATED PLIERS SETS

INSULATED PLIERS SET

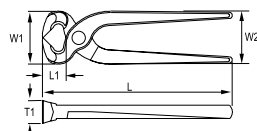


- For work on live equipment, up to 1000V
- High performance steel
- Standard: IEC 60900

| Code | Box | Quantity | Dimensions | Weight g |
|------------|-----|----------|----------------|----------|
| 601V-3-C | 1 | 3 | 270 x 205 x 40 | 690 |
| 624V-160-1 | | | | |
| 601V-180-1 | | | | |
| 612V-200-1 | | | | |

PINCERS AND FENCING PLIERS

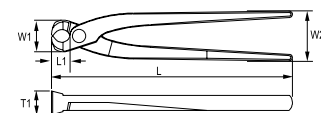
CARPENTER'S PINCERS



- Hardness: teeth hardened at 58-64 HRC
- Standard: ISO 5746
- Cutting capacity: Medium hard wire: 1.60 mm

| Code | Box | L mm | L1 mm | W1 mm | W2 mm | T1 mm | Cutting capacity | Weight g |
|-----------|-----|------|-------|-------|-------|-------|------------------|----------|
| 631-200-1 | 5 | 200 | 23 | 53 | 45 | 24 | 1.6 mm | 360 |

FENCING PLIERS



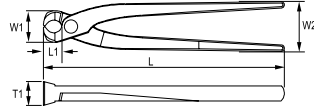
- Hardness: teeth hardened to 58-64 HRC
- Standard: ISO 9242
- Cutting capacity: Medium hard wire: 1.60 mm

| Code | Box | L mm | L1 mm | W1 mm | W2 mm | T1 mm | Cutting capacity | Weight g |
|-----------|-----|------|-------|-------|-------|-------|------------------|----------|
| 632-220-1 | 5 | 220 | 16 | 29.4 | 46 | 22 | 1.6 mm | 350 |
| 632-250-1 | 5 | 250 | 18 | 33 | 46 | 24.5 | 1.6 mm | 400 |
| 632-280-1 | 5 | 280 | 19 | 37 | 48 | 24.5 | 1.6 mm | 460 |



PINCERS AND FENCING PLIERS

FENCING PLIERS WITH PVC DIPPED HANDLES

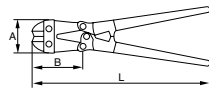


- High performance steel
- Blue dipped handles
- Hardness: teeth hardened to 58-64 HRC
- Standard: ISO 9242
- Cutting capacity 1.6 mm

| R | Icon | L mm | L1 mm | W1 mm | W2 mm | T1 mm | Icon | g |
|------------|------|---------|----------|----------|----------|----------|--------|-----|
| 632D-250-1 | 5 | 250 | 18 | 33 | 46 | 24.5 | 1.6 mm | 400 |

BOLT CUTTERS

BOLT CUTTERS



- High performance alloy steel
- Double heat treatment on the blades
- Black finish

| R | Icon | L mm | A mm | B mm | Ø 80 kg/mm ² | Ø 160 kg/mm ² | Ø 120 kg/mm ² | g |
|--------|-------|---------|---------|---------|----------------------------|-----------------------------|-----------------------------|-------|
| 651101 | 1 N.0 | 320 | 48 | 77 | 5 | 4 | 3 | 500 |
| 651111 | 1 N.1 | 470 | 66 | 104 | 7 | 6 | 5 | 1.785 |
| 651121 | 1 N.2 | 630 | 85 | 137 | 9 | 8 | 7 | 2.860 |
| 651131 | 1 N.3 | 750 | 100 | 160 | 11 | 9 | 8 | 4.410 |
| 651141 | 1 N.4 | 900 | 120 | 182 | 13 | 10 | 9 | 5.800 |

SPARE HEAD BOLT CUTTER



| R | Icon | + M8 | R | Icon | + M10-12 | Icon | Icon | A mm | B mm | g |
|---------|----------|------|--------|------|----------|-------|------|---------|---------|---|
| 651201N | 651201N2 | 1 | 651101 | 48 | 77 | 180 | | | | |
| 651211N | 651211N2 | 1 | 651111 | 66 | 104 | 370 | | | | |
| 651221N | 651221N2 | 1 | 651121 | 85 | 137 | 875 | | | | |
| 651231N | 651231N2 | 1 | 651131 | 100 | 160 | 1.295 | | | | |
| 651241N | 651241N2 | 1 | 651141 | 120 | 182 | 1.930 | | | | |

CIRCLIP PLIERS

INTERNAL STRAIGHT



- Black finish for corrosion protection
- High performance alloy steel
- Straight forged tips
- Hardness: 45-50 HRc
- Standard: DIN 5256

| Q | Icon | L mm | B mm | E mm | Icon | Icon | g |
|--------|------|------|------|------|----------|------|-----|
| 621551 | 5 | 140 | 38 | 0.8 | 8 - 13 | 1 | 80 |
| 621561 | 5 | 140 | 38 | 1.2 | 12 - 25 | 1 | 80 |
| 621571 | 5 | 180 | 57 | 1.7 | 19 - 60 | 1 | 170 |
| 621581 | 5 | 225 | 69 | 2.2 | 40 - 100 | 1 | 275 |
| 621591 | 1 | 310 | 95 | 3.1 | 85 - 165 | 1 | 490 |

INTERNAL BENT TIP



- Black finish for corrosion protection
- High performance alloy steel
- Curved forged tips
- Hardness: 45-50 HRc
- Standard: DIN 5256

| Q | Icon | L mm | B mm | E mm | Icon | Icon | g |
|--------|------|------|------|------|----------|------|-----|
| 621651 | 5 | 127 | 25 | 0,8 | 8 - 13 | 1 | 80 |
| 621661 | 5 | 127 | 25 | 1,2 | 12 - 25 | 1 | 80 |
| 621671 | 5 | 165 | 43 | 1,7 | 19 - 60 | 1 | 170 |
| 621681 | 5 | 208 | 52 | 2,2 | 40 - 100 | 1 | 275 |
| 621691 | 1 | 289 | 74 | 3,1 | 85 - 165 | 1 | 490 |

EXTERNAL STRAIGHT



- Black finish for corrosion protection
- High performance alloy steel
- Straight forged tips
- Internal spring
- Hardness: 45-50 HRc
- Standard: DIN 5254

| Q | Icon | L mm | B mm | E mm | Icon | Icon | g |
|--------|------|------|------|------|----------|------|-----|
| 621751 | 5 | 140 | 38 | 0.8 | 3 - 10 | 1 | 80 |
| 621761 | 5 | 140 | 38 | 1.2 | 10 - 25 | 1 | 80 |
| 621771 | 5 | 180 | 57 | 1.7 | 19 - 60 | 1 | 170 |
| 621781 | 5 | 225 | 69 | 2.2 | 40 - 100 | 1 | 275 |
| 621791 | 1 | 295 | 95 | 3.1 | 85 - 165 | 1 | 490 |

EXTERNAL BENT



- Black finish for corrosion protection
- High performance alloy steel
- Bent forged tips
- Internal spring
- Hardness: 45-50 HRc
- Standard: DIN 5254

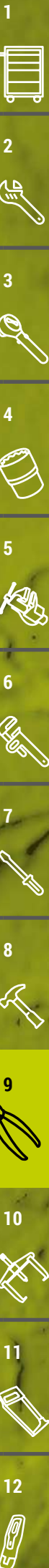
| Q | Icon | L mm | B mm | E mm | Icon | Icon | g |
|--------|------|------|------|------|----------|------|-----|
| 621851 | 5 | 127 | 25 | 0.8 | 3 - 10 | 1 | 80 |
| 621861 | 5 | 127 | 25 | 1.2 | 10 - 25 | 1 | 80 |
| 621871 | 5 | 165 | 43 | 1.7 | 19 - 60 | 1 | 170 |
| 621881 | 5 | 208 | 52 | 2.2 | 40 - 100 | 1 | 275 |
| 621891 | 1 | 295 | 74 | 3.1 | 85 - 165 | 1 | 490 |

CIRCLIP PLIERS SET



- Black finish for corrosion protection
- High performance alloy steel
- Forged tips
- Hardness: 45-50 HRc

| Q | Icon | Icon | Icon | g |
|--------|------|------|----------------|------|
| 601911 | 1 | 4 | 260 x 220 x 30 | 750 |
| 621571 | Icon | Icon | 621671 | Icon |
| 621771 | Icon | Icon | 621871 | Icon |



METAL SHEARS. AVIATION / COMPOUND SHEAR

STRAIGHT CUT



- Forged from steel containing chromium and molybdenum for good resistance
- Lever system increases efficiency
- Handles with soft grip part and return spring to enhance the working comfort
- Cutting capacity: 1- Stainless steel, 2- Cold rolled steel

| Code | Material | L mm | 1 mm | 2 mm | Weight (g) |
|-----------|----------|------|------|------|------------|
| 658-250-1 | 1 | 250 | 0.7 | 1.2 | 390 |

RIGHT CUT



- Forged from steel containing chromium and molybdenum for good resistance
- Lever system increases efficiency
- Handles with soft grip part and return spring to enhance the working comfort
- Cutting capacity: 1- Stainless steel, 2- Cold rolled steel

| Code | Material | L mm | 1 mm | 2 mm | Weight (g) |
|-----------|----------|------|------|------|------------|
| 659-250-1 | 1 | 250 | 0.7 | 1.2 | 395 |

LEFT CUT

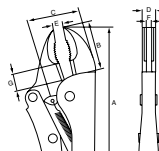


- Forged from steel containing chromium and molybdenum for good resistance
- Lever system increases efficiency
- Handles with soft grip part and return spring to enhance the working comfort
- Cutting capacity: 1- Stainless steel, 2- Cold rolled steel

| Code | Material | L mm | 1 mm | 2 mm | Weight (g) |
|-----------|----------|------|------|------|------------|
| 660-250-1 | 1 | 250 | 0.7 | 1.2 | 405 |

LOCKING PLIERS

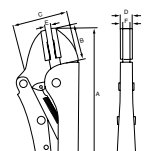
UNIVERSAL, CURVED JAWS WITH WIRE CUTTER



- General purpose, holds bars and sheets, nuts and bolts
- Strong jaws, drop forged
- Chrome molybdenum steel
- Nickel plated

| Code | Material | A mm | B mm | C mm | D mm | E mm | F mm | G mm | Weight (g) | | |
|-----------|----------|------|------|------|------|------|------|------|------------|-----|-----|
| 64A-190-1 | 1 | 190 | 31 | 40 | 12 | 0-20 | 7 | 5 | 2 | 338 | 358 |
| 64A-235-1 | 1 | 225 | 38 | 48 | 12 | 0-35 | 7 | 6 | 3 | 543 | 556 |

UNIVERSAL, STRAIGHT JAWS



- Holds metal sheet, small bars and thin pieces
- Strong jaws, reinforced. Drop forged
- Chrome molybdenum steel
- Nickel plated

| Code | Material | A mm | B mm | C mm | D mm | E mm | F mm | Weight (g) |
|-----------|----------|------|------|------|------|------|------|------------|
| 64B-190-1 | 1 | 190 | 29 | 42 | 15 | 0-17 | 13 | 358 |
| 64B-235-1 | 1 | 225 | 32 | 54 | 17 | 0-21 | 13 | 556 |

LONG NOSE



- Long reach jaws. Drop forged
- Jaws have flat and round holding shapes
- Chrome molybdenum steel
- Nickel plated

| Q | Icon | A mm | B mm | C mm | D mm | E mm | F mm | g |
|-----------|------|------|------|------|------|------|------|-----|
| 64L-165-1 | 1 | 165 | 52 | 25 | 9 | 6 | 0-18 | 195 |

WELDING



- U shape jaws provides accessibility and good vision in welding jobs
- Jaws beam-shaped to increase strenght
- Chrome molybdenum steel
- Nickel plated

| Q | Icon | A mm | B mm | C mm | D mm | E mm | F mm | g |
|-----------|------|------|------|------|------|------|------|-----|
| 64W-300-1 | 1 | 263 | 75 | 70 | 75 | 70 | 44 | 832 |

STEEL CLAMP



- C shape to hold bulky parts
- Chrome vanadium steel
- Nickel plated

| Q | Icon | A mm | B mm | C mm | D mm | E mm | F mm | g |
|-----------|------|------|------|------|------|------|------|-----|
| 64C-300-1 | 1 | 275 | 90 | 140 | 14 | 0-65 | 7 | 775 |

STEEL CLAMP, SWIVEL PADS



- C shape to hold bulky parts
- Swivel pads to hold non parallel and uneven parts
- Chrome vanadium steel
- Nickel plated

| Q | Icon | A mm | B mm | C mm | D mm | E mm | F mm | g |
|------------|------|------|------|------|------|-------|------|------|
| 64CA-175-1 | 1 | 175 | 61 | 90 | 21 | 0-32 | 5 | 276 |
| 64CA-300-1 | 1 | 280 | 95 | 130 | 28 | 0-72 | 7 | 835 |
| 64CA-450-1 | 1 | 460 | 270 | 150 | 28 | 0-130 | 7 | 1280 |

STEEL CLAMP, SWIVEL PADS, SLIM



- Long reach
- Swivel pads to hold non parallel and uneven parts
- Chrome molybdenum steel
- Nickel plated

| Q | Icon | A mm | B mm | C mm | D mm | E mm | F mm | g |
|-------------|------|------|------|------|------|------|------|-----|
| 64CAD-300-1 | 1 | 282 | 97 | 81 | 28 | 0-72 | 7 | 850 |

TABLE C CLAMP



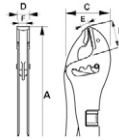
- Swivel pad to hold non parallel and uneven parts
- Hidden lever to avoid unwanted unlocking
- Chrome molybdenum steel
- Nickel plated

| Q | Icon | A mm | B mm | C mm | D mm | Ø mm | g |
|-----------|------|------|------|------|------|------|-----|
| 64T-300-1 | 1 | 300 | 0-80 | 95 | 90 | 12.4 | 650 |



LOCKING PLIERS

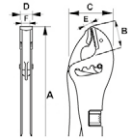
4 POSITION PLIERS



- Chrome-plated for good rust protection
- Shape: with flat and convex jaws that can be adjusted in 4 different positions for an increased gripping capacity
- Application: holds most L, T and U profiles
- Retail packed

| Q | Box | A mm | B mm | C mm | D mm | E mm | F mm | g |
|-----------|-----|------|------|------|------|------|------|-----|
| 647-235-1 | 1 | 235 | 37 | 59 | 17 | 10 | 15 | 540 |

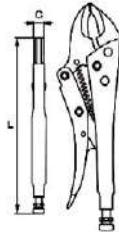
4 POSITION PLIERS



- Chrome-plated for good rust protection
- Shape: with flat and convex jaws that can be adjusted in 4 different positions for an increased gripping capacity
- Extra long jaws with twice as large gripping capacity compared to standard model
- Application: holds most L, T and U profiles
- Retail packed

| Q | Box | A mm | B mm | C mm | D mm | E mm | F mm | g |
|-----------|-----|------|------|------|------|------|------|-----|
| 647-250-1 | 1 | 255 | 67 | 64 | 17 | 10 | 15 | 650 |

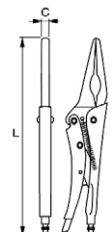
CURVED JAWS WITH CUTTER



- Chrome vanadium steel. Chrome-plated
- Shape: curved jaws for general purpose
- Soft grip two-component handle

| Q | Box | L mm | C mm | Angle mm | g |
|-----------|-----|------|------|----------|-----|
| 648-140-1 | 1 | 140 | 7 | 28 | 160 |
| 648-185-1 | 1 | 185 | 8.5 | 41 | 345 |
| 648-250-1 | 1 | 225 | 10.5 | 48 | 525 |

LONG NOSE



- Chrome vanadium steel. Chrome-plated
- Shape: long slim jaw design
- Soft grip two-component handle

| Q | Box | L mm | C mm | Angle mm | g |
|-----------|-----|------|------|----------|-----|
| 648-165-1 | 1 | 165 | 4.2 | 57 | 180 |

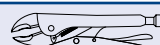
SOFT GRIP PLIERS SET



- Two-component handle
- Rolling nylon pouch

| Q | Box | X | g |
|---------|-----|---|-------|
| 648-4-W | 1 | 4 | 1.200 |

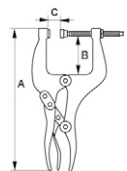
648-140-1, 648-185-1, 648-250-1



648-165-1



AUTOMATIC HAND VICES



- Finish: black
- Shape: locking clamp with movable jaw for increased flexibility and general purpose work
- Application: for production or maintenance applications and general purpose work

| Q | Box | A mm | B mm | C mm | Wrench | Yoke | Nut | g |
|--------|-----|------|------|------|----------|----------|---------|-------|
| 645011 | 1 | 193 | 30 | 32 | 645-L075 | 645-YOKE | 645-NUT | 690 |
| 645021 | 1 | 196 | 30 | 70 | 645-L120 | 645-YOKE | 645-NUT | 765 |
| 645031 | 1 | 240 | 62 | 70 | 645-L120 | 645-YOKE | 645-NUT | 935 |
| 645041 | 1 | 240 | 62 | 150 | 645-L200 | 645-YOKE | 645-NUT | 1.180 |

RIVETING TOOLS

HAND RIVETER



- Riveter with four different exchangeable heads for rivet sizes of 1.8-2.2-2.8-3.2 mm
- To be used with aluminium, steel, stainless steel and copper rivets
- Includes a wrench for changing heads

| Q | Icon | L mm | A mm | B mm | g |
|-----------|------|------|------|------|-----|
| 546-265-1 | 1 | 265 | 90 | 25 | 700 |



| Spare parts for hand riveter 546-265-1 | | | Icon |
|----------------------------------------|-----------------|---|------|
| 546-265-A | Jaw mechanism | 1 | |
| 546-265-B | Mouthpieces set | 1 | |

NUT RIVETER SET



- To create a threaded fixing where there is little or no access to the rear of a panel
- Supplied with the inserts for the different rivet nut sizes as well as the necessary tools to assemble and disassemble those inserts
- To be used with aluminium, steel and stainless steel nuts of M3-M4-M5-M6

| Q | Icon | L mm | A mm | B mm | g |
|-----------|------|------|------|------|-----|
| 548-275-1 | 1 | 270 | 100 | 23 | 700 |



| Spare parts for hand riveter 548-275-1 | | | Icon |
|----------------------------------------|-----------|---|------|
| 548-275-M3 | M3 insert | 1 | |
| 548-275-M4 | M4 insert | 1 | |
| 548-275-M5 | M5 insert | 1 | |
| 548-275-M6 | M6 insert | 1 | |

2 ARM RIVETER



- Riveter with long handles for greater leverage
- To be used with aluminium, steel and stainless rivets
- The transparent tube collects snapped off rivet tails

| Q | Icon | A mm | B mm | C mm | D mm | g |
|--------|------|------|------|------|------|-------|
| 546021 | 1 | 520 | 22 | 58 | 160 | 1.800 |



| Spare parts 546021 | |
|--------------------|-------------------------|
| 546201 | Nosepiece of Ø 4 mm |
| 546211 | Nosepiece of Ø 5 mm |
| 546221 | Nosepiece of Ø 6-6.4 mm |
| 546251 | 3 jaws set |
| 1467-A01 | Transparent tube |

HAND RIVETER SET WITH RIVETS



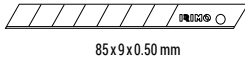
- 265 mm riveter with four different exchangeable heads for rivet sizes of 2.4 mm; 3.0-3.2 mm; 4.0 mm and 4.8 mm
- Includes a wrench for changing heads
- To be used with aluminum, steel, stainless steel and copper rivets
- 160 rivets (40 of each size)
- Blow molded case

| Q | Icon | Q | Icon | g |
|-----------|------|-----|----------------|-------|
| 546-265-4 | 1 | 160 | 300 x 210 x 60 | 1.200 |



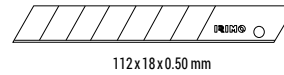
ELECTRICIAN'S SCISSORS AND KNIVES

9 MM SNAP OFF KNIFE



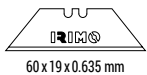
| | | | |
|-----------|----|-----|----|
| | | | |
| 667-135-1 | 12 | 133 | 56 |

18 MM SNAP OFF KNIFE



| | | | |
|-----------|----|-----|-----|
| | | | |
| 666-156-1 | 12 | 157 | 106 |

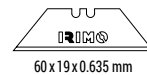
SAFETY UTILITY KNIFE



- Autoretractil blade for safety purposes

| | | | |
|-----------|----|-----|-----|
| | | | |
| 668-150-1 | 12 | 150 | 157 |

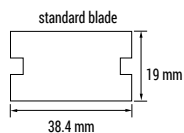
SAFETY UTILITY KNIFE



- Auto retractil blade when cutting is finished and operation button is released
- Easy Open System (EOS)

| | | | |
|-----------|----|-----|-----|
| | | | |
| 669-175-1 | 10 | 175 | 210 |

GLASS SCRAPER WITH INTERCHANGEABLE BLADES



- Ideal for removing paint, glue, putty or stickers from glass, tile, walls, floors and other smooth surfaces
- Ergonomic two-component design for comfortable no-slip grip
- Blade retracts for safe storage
- Internal storage compartment (includes 5 blades)
- Good size to fit in the palm of your hand. Scraper length 130 mm
- Uses standard sing-edge razor blades. Blade width: 40 mm

| | | | |
|-----------|---|-----|----|
| | | | |
| 538-140-1 | 1 | 135 | 65 |

MULTIPURPOSE TRADESMAN KNIVES WITH SHEATH



- Comfortable handle provides excellent grip
- Supplied with a practical sheath for belt carrying
- Robust multipurpose knife with a solid stainless steel blade

| Q | Icon | A mm | L mm | g |
|-----------|------|------|------|-----|
| 672-220-1 | 12 | 100 | 220 | 233 |

FOLDABLE KNIFE



- 3Cr13 Stainless Steel
- Retail pack
- Light and comfortable
- Belt clip included
- Strong cutting tool
- Blade thickness 2.3 mm

| Q | Icon | A mm | L mm | g |
|-----------|------|------|------|-----|
| 670-178-1 | 10 | 78 | 178 | 120 |

FOLDABLE KNIFE



- Black 3Cr13 Stainless Steel
- Retail packaging
- Black finishing
- Comfortable and strong cutting tool
- Belt clip included
- Blade thickness 2.6 mm

| Q | Icon | A mm | L mm | g |
|-----------|------|------|------|-----|
| 669-190-1 | 10 | 77 | 190 | 130 |

ELECTRICIANS' KNIFE



- Electrician's pocket folding knife
- Wire stripping shape with wooden handle

| Q | Icon | A mm | L mm | g |
|-----------|------|------|------|----|
| 664-200-1 | 10 | 85 | 200 | 83 |

ELECTRICIANS' KNIFE



- Electrician's pocket folding knife
- Stainless steel blade with plastic handle
- Wire stripping shape

| Q | Icon | A mm | L mm | g |
|-----------|------|------|------|----|
| 665-200-1 | 10 | 85 | 200 | 60 |

MULTITOOL



- Foldable Knife
- 3Cr13 Stainless Steel
- Comes with clip
- Length: 96 mm closed / 150 mm overall
- Pouch included for easy transport
- Multi tool for all purposes with:
 - Needle Nose Pliers
 - Wire cutter
 - Slotted Screwdriver
 - Medium Slotted Screwdriver
 - Wood / Metal File
 - Bottle opener
 - Phillips Screwdriver
 - Regular Pliers
 - Can Opener
 - Small Slotted Screwdriver
 - Saw
 - Large slotted screwdriver
 - Slotted Screwdriver
 - Scissors

| Q | Icon | L mm | g |
|-----------|------|----------|-----|
| 671-150-1 | 10 | 150 (96) | 255 |



ELECTRICIAN'S SCISSORS AND KNIVES

ELECTRICIANS' SCISSORS



- Electrician's scissors with plastic coated finger loops
- Small groove in the blade for stripping cables
- 43 mm Cutting length

| € | Icon | A mm | L mm | g |
|--------|------|------|------|----|
| 661051 | 10 | 42.5 | 130 | 70 |

ELECTRICIANS' SCISSORS



- Electrician's scissors with longer handles, plastic coated finger loops
- Small groove in the blade for stripping cables
- Better access to confined spaces
- Requiring less cutting force
- 38 mm cutting length

| € | Icon | A mm | L mm | g |
|--------|------|------|------|-----|
| 661061 | 10 | 38 | 152 | 130 |

ELECTRICIANS' SCISSORS



- Electrician's scissors with plastic coated finger rings
- Professional use. Integrate steel structure
- Micro serrated blade
- 43 mm cutting length
- Rotary belt holster

| € | Icon | A mm | L mm | g |
|-----------|------|------|------|----|
| 661-140-1 | 12 | 43 | 145 | 76 |

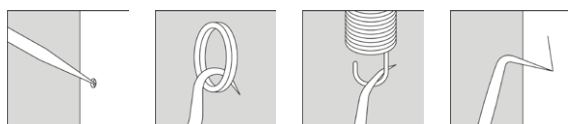


- Display for 12 scissors

| € | Icon | g |
|-----------------|------|---|
| 661-140-12-DISP | 1 | |

HOOKS AND PICKING TOOLS

MINI PICK AND HOOK SET, 4 pieces



- Used for scratching, manipulating or removing O-rings, springs, welding,...
- 170 mm length
- Two-component Soft grip handle
- Material: Carbon steel blades, hardened tips
 - 1 pc straight pick,
 - 1 pc angle hook,
 - 1 pc full hook,
 - 1 pc 90° hook

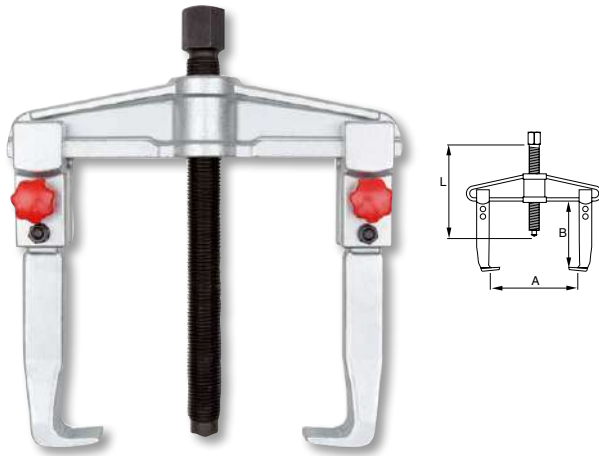
| € | Icon | X | g |
|---------|------|---|----------------|
| 722-4-1 | 12 | 4 | 20 x 230 x 130 |



10. PULLING TOOLS

PULLERS

UNIVERSAL 2 ARM PULLERS



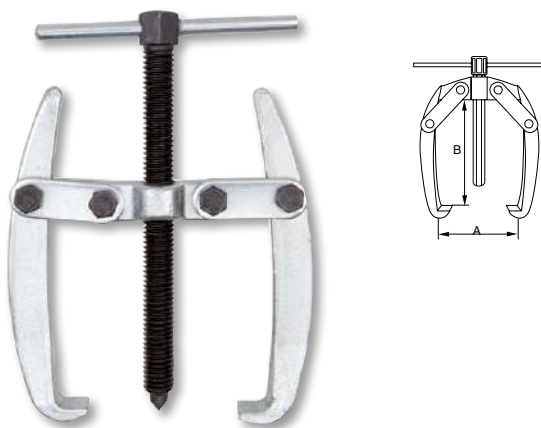
- Body and arms manufactured from forged steel
- Beam shape section light and strong
- Finish: galvanised, with induction hardened spindle
- By reversing the arms, the extractor can be used as internal or external
- Protective case on screw top for easy use
- Quick-adjust screws for an easy and quick fitting

| Q | Box | A mm | B mm | L mm | T _h | g | |
|-----------|-----|------|------|------|----------------|---|-------|
| 701-90-1 | N1 | 1 | 90 | 100 | 130 | 4 | 900 |
| 701-130-1 | N11 | 1 | 130 | 100 | 130 | 4 | 980 |
| 701-160-1 | N2 | 1 | 160 | 150 | 210 | 6 | 2.450 |
| 701-200-1 | N21 | 1 | 200 | 150 | 210 | 6 | 2.880 |
| 701-250-1 | N3 | 1 | 250 | 205 | 280 | 8 | 6.950 |
| 701-350-1 | N31 | 1 | 350 | 205 | 280 | 8 | 7.680 |



| Q | Q | mm | mm | g | Q | L mm | g | Q | L mm | g |
|-----------|-----------|----|-------------|-------|-----------|------|-------|-----------|-------|-------|
| 701-90-1 | 701-90-S | 17 | M14x1.5x130 | 175 | 701-90-K | 95 | 528 | 701-90-B | 136 | 315 |
| 701-130-1 | 701-90-S | 17 | M14x1.5x130 | 175 | 701-90-K | 95 | 528 | 701-130-B | 177 | 485 |
| 701-160-1 | 701-160-S | 22 | M20x2x210 | 575 | 701-160-K | 150 | 1.058 | 701-160-B | 217.5 | 890 |
| 701-200-1 | 701-160-S | 22 | M20x2x210 | 575 | 701-160-K | 150 | 1.058 | 701-200-B | 262 | 1.360 |
| 701-250-1 | 701-250-S | 27 | M27x2x280 | 1.275 | 701-250-K | 202 | 3.262 | 701-250-B | 330 | 2.750 |
| 701-350-1 | 701-250-S | 27 | M27x2x280 | 1.275 | 701-250-K | 202 | 3.262 | 701-350-B | 430 | 3.575 |

SELF-CENTERING 2 ARMS PULLERS



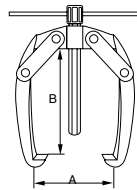
- Body and arms manufactured from forged steel
- Finish: galvanised, with induction hardened spindle
- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- Automatic gripping

| Q | Box | A mm | B mm | T _h | g |
|----------|-----|------|------|----------------|-----|
| 702-40-1 | 1 | 60 | 40 | 0.50 | 180 |
| 702-65-1 | 1 | 65 | 65 | 0.50 | 190 |
| 702-80-1 | 1 | 80 | 80 | 1.00 | 220 |



| Q | Q | mm | g | Q | L mm | g | Q | L mm | g | Q | L mm | g |
|----------|----------|-------------|----|----------|------|----|----------|-------|----|----------|--------|----|
| 702-40-1 | 702-40-S | M10x1.5x100 | 61 | 702-40-K | 54.5 | 40 | | | | | | |
| 702-65-1 | 702-65-S | M10x1.5x105 | 63 | 702-65-K | 88 | 74 | 702-40-B | 42x13 | 20 | 702-40-P | 33.5x3 | 20 |
| 702-80-1 | 702-80-S | M10x1.5x122 | 72 | 702-80-K | 103 | 98 | | | | | | |

SELF-CENTERING 3 ARMS PULLERS



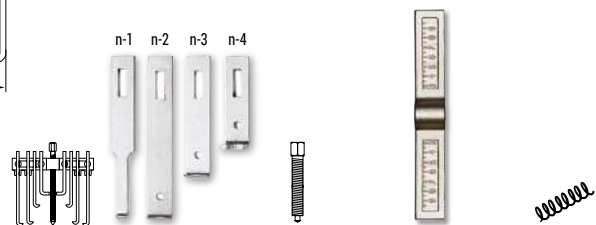
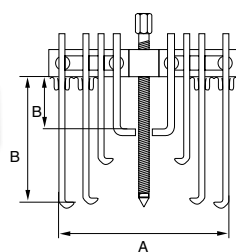
- Body and arms manufactured from forged steel
- Finish: galvanised, with induction hardened spindle
- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- Automatic gripping

| Q | Box | A mm | B mm | $\frac{1000}{T_n}$ | g |
|----------|-----|------|------|--------------------|-----|
| 703-40-1 | 1 | 60 | 40 | 0.75 | 230 |
| 703-65-1 | 1 | 65 | 65 | 0.75 | 290 |
| 703-80-1 | 1 | 80 | 80 | 1.50 | 320 |



| Q | Q | mm | g | Q | L mm | g | Q | L mm | g | Q | L mm | g |
|----------|----------|-------------|----|----------|------|----|----------|-------|----|----------|--------|----|
| 703-40-1 | 702-40-S | M10x1.5x100 | 61 | 702-40-K | 54.5 | 40 | 703-40-B | 42x13 | 20 | 702-40-P | 33.5x3 | 20 |
| 703-65-1 | 702-65-S | M10x1.5x105 | 63 | 702-65-K | 88 | 74 | | | | | | |
| 703-80-1 | 702-80-S | M10x1.5x122 | 72 | 702-80-K | 103 | 98 | | | | | | |

MULTIPLE PULLERS



- Can be used as internal and external puller
- Two or more legs can be attached in line, obtaining greater reach

| Q | Box | A (mm) min. - max. | B (mm) min. - max. | $\frac{1000}{T_n}$ | g |
|--------|-----|--------------------|--------------------|--------------------|-------|
| 713001 | 1 | 20 - 173 | 65 - 140 | 5 | 2.700 |
| 713011 | 1 | 75 - 250 | 77 - 182 | 10 | 6.000 |

| Q | Q | Q | Q | Q |
|--------|------------|--------|--------|--------|
| 713001 | 796511 n-1 | 796491 | 796501 | 796551 |
| | 796521 n-2 | | | |
| | 796531 n-3 | | | |
| | 796541 n-4 | | | |
| 713011 | 713511 n-1 | 713611 | 796561 | 796571 |
| | 713521 n-2 | | | |
| | 713531 n-3 | | | |
| | 713541 n-4 | | | |



EXTRACTORS

STUD EXTRACTORS BIT SET



- Stud extractor bit set, 15 pcs
- Finish: blasted
- Material: Ni-Cr-Mo
- Supplied in a compact plastic case

| R | | 📦 | 📏 | 📦 | 📏 | 📦 |
|--------|---|---|----------------|---|---|-------|
| ZH1100 | 1 | | 200 x 105 x 35 | | | 1.000 |

| 1/2" | ZH1101 | 3 | 5/8" | ZH1108 | 1/8" |
|------|--------|-----|------|--------|-------|
| | ZH1102 | 4 | | ZH1109 | 3/16" |
| | ZH1103 | 5 | | ZH1115 | 1/2" |
| | ZH1104 | 5.5 | | ZH1110 | 1/4" |
| | ZH1105 | 6 | | ZH1111 | 3/8" |
| | ZH1106 | 8 | | ZH1112 | 11 mm |
| | ZH1107 | 10 | | ZH1113 | 12 mm |
| | | | | ZH1114 | 14 mm |

STUD EXTRACTORS SETS



- To remove broken screws, studs and pipes
- Finish: grinded
- Material: High-quality carbon steel

| R | | 📦 | 📏 | 📦 | 📏 | 📦 | 📏 | 📦 | 📏 |
|---------|---|---|----------------|---|--------------------------|--------|---|---|-----|
| 716-5-1 | 1 | | 90 x 58 x 15 | 5 | # 1, 2, 3, 4, 5 | M3-M18 | | | 120 |
| 716-8-1 | 1 | | 215 x 130 x 50 | 8 | # 1, 2, 3, 4, 5, 6, 7, 8 | M3-M50 | | | 840 |

| | # | 📏 | Ø | L | 📏 | 📦 | 📏 |
|-----------|---|------|-------|----|---------|---|-----|
| 716-M6-1 | 1 | 2.0 | 4.00 | 50 | M 3-6 | | 4 |
| 716-M8-1 | 2 | 2.8 | 4.30 | 58 | M 6-8 | | 6 |
| 716-M11-1 | 3 | 4.0 | 6.00 | 65 | M 8-11 | | 13 |
| 716-M14-1 | 4 | 6.3 | 7.50 | 75 | M 11-14 | | 20 |
| 716-M18-1 | 5 | 7.5 | 10.70 | 80 | M 14-18 | | 45 |
| | 6 | 10.3 | 15.00 | 85 | M 18-25 | | 95 |
| | 7 | 13.5 | 19.00 | 92 | M 25-35 | | 140 |
| | 8 | 20.6 | 24.00 | 97 | M 35-50 | | 240 |

TAP WRENCH



- With reversible ratchet: forward - reverse - locked
- Parallel clamping action
- Hardened jaws
- Sliding handle
- Chrome-plated steel

| R | | 📦 | 📏 | 📏 | 📦 |
|--------|---|---|-----------|-----|-----|
| 718211 | 1 | | 2.6 - 5.5 | 85 | 180 |
| 718231 | 1 | | 4.6 - 8 | 110 | 300 |

NUT SPLITTERS

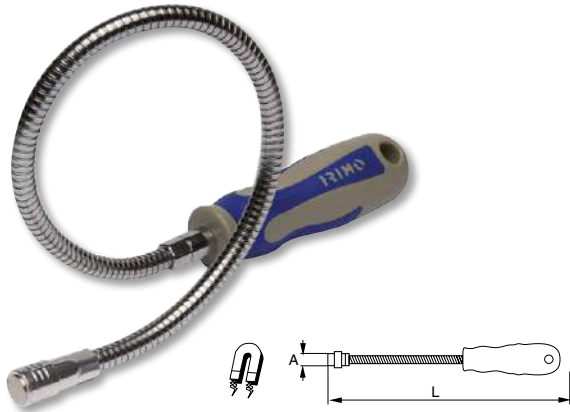


- For splitting jammed or stripped nuts without damaging the stud thread
- Galvanised and gunmetal finish
- Material: special steel
- Suitable for nuts up to quality grade 6

| R | | 📦 | A | L | 📏 | 📏 | 📦 | 📏 | 📏 |
|--------|---|---|----|-----|---------|-------|-----|--------|--------|
| 730011 | 1 | | 32 | 126 | M3-M16 | 6-27 | 440 | 796661 | 796671 |
| 730131 | 1 | | 42 | 170 | M14-M24 | 24-40 | 560 | 796681 | 796691 |

PICK-UP TOOLS

MAGNETIC PICK-UP TOOLS



- Two component handle, with hanging hole and anti-roll design
- Polished and chrome-plated
- Blade finish: chrome-plated and polished
- 720-1M-413 has neodymium magnet with capacity of 1 kg and 720-3M-413 has neodymium magnet with capacity of 3 kg

| Q | Icon | Ø mm | A mm | L mm | mm | mm | g |
|------------|------|------|------|------|-----|-----|-----|
| 720-1M-413 | 1 | 10 | 10 | 550 | 413 | 110 | 130 |
| 720-3M-413 | 1 | 17 | 13 | 550 | 413 | 110 | 280 |

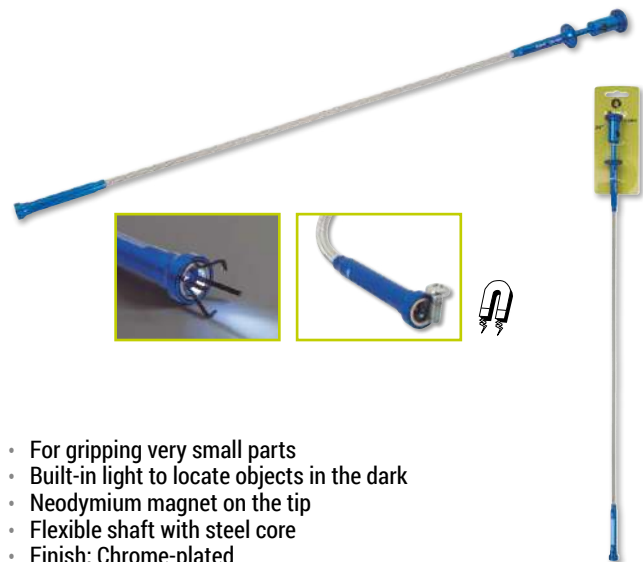
CLAW PICK-UP TOOL



- For gripping small parts
- Flexible shaft with steel core
- Finish: chrome-plated

| Q | Icon | mm | g |
|--------|------|-----|----|
| 720031 | 1 | 650 | 80 |

CLAW PICK-UP TOOL

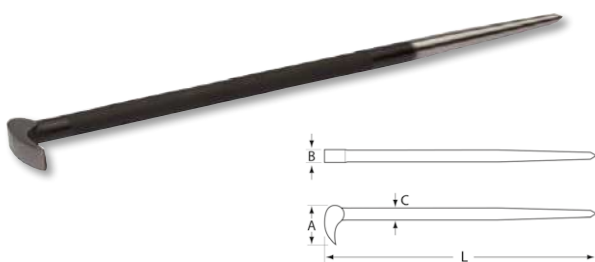


- For gripping very small parts
- Built-in light to locate objects in the dark
- Neodymium magnet on the tip
- Flexible shaft with steel core
- Finish: Chrome-plated

| Q | Icon | mm | g |
|----------|------|-----|-----|
| 720-LM-1 | 1 | 625 | 120 |

PRY BARS

PRY BAR



- 90° special lever. Suitable for work in confined spaces such as behind gears
- Finish: black phosphated with polished head and pointed tip
- Material: hardened special alloy steel

| Q | Icon | A mm | B mm | C mm | L mm | g |
|-----------|------|------|------|------|------|-----|
| 066-400-1 | 1 | 44 | 14 | 14 | 406 | 450 |



1
2
3
4
5
6
7
8
9
10
11
12

PRY BARS

OFFSET LEVER SET



- Pry bars for easy prying and bending
- Plastic handles with lightweight design offers a comfortable grip as well as powerful leverage capacity

| R | Icon | Icon | Icon |
|------------------------------------|------|----------------|-------|
| ZH70610 | 1 | 645 x 115 x 35 | 1.400 |
| ZH70611, ZH70612, ZH70613, ZH70614 | | | |

OFFSET LEVER



- Pry bars for easy prying and bending
- Plastic handles with lightweight design offers a comfortable grip as well as powerful leverage capacity

| R | Icon | L mm | g |
|---------|------|------|-----|
| ZH70611 | 1 | 210 | 200 |
| ZH70612 | 1 | 310 | 300 |
| ZH70613 | 1 | 460 | 400 |
| ZH70614 | 1 | 610 | 500 |

SHEET PUNCHES

SHEET METAL PUNCHES



- Screw hole punches
- For a 16 to 50 mm hole diameter
- Ground cutting areas for an easier cut
- Hexagonal head bolt
- For steel sheet plates up to 2 mm thick
- For stainless steel sheet plates up to 1.2 mm thick
- Individual packaging

| R | Icon | Ø mm | Icon | g |
|-----------|------|------|------|-------|
| 740-016-2 | 1 | 16 | M 8 | 80 |
| 740-020-2 | 1 | 20 | M 10 | 120 |
| 740-022-2 | 1 | 22 | M 10 | 160 |
| 740-025-2 | 1 | 25 | M 10 | 180 |
| 740-030-2 | 1 | 30 | M 12 | 320 |
| 740-035-2 | 1 | 35 | M 12 | 500 |
| 740-040-2 | 1 | 40 | M 14 | 660 |
| 740-050-2 | 1 | 50 | M 14 | 1.040 |

SPARE BOLT



- Spare bolts for sheet metal punches 740 Series
- M8 to M14 Standard bolt
- Sold in a kit

| R | Icon | Ø mm |
|------------|------|------|
| 740S-008-2 | 6 | M 8 |
| 740S-010-2 | 6 | M 10 |
| 740S-012-2 | 6 | M 12 |
| 740S-014-2 | 6 | M 14 |



11. CUTTING TOOLS & MEASURING

BOWSAW FRAMES AND BLADES

BOWSAW FRAMES



- Powder painted steel tube bowsaw
- 802-2400-1 for dry wood (52)
- 802-3000-1 & 802-3600-1 for wet wood (23)
- Tooth protector included

| Part No. | Box Qty | Length (mm) | Length (in) | Teeth | Weight (g) | Weight (oz) |
|------------|---------|-------------|-------------|-------|------------|-------------|
| 802-2400-1 | 5 | 607 | 24" | 51 | 675 | 23.8 |
| 802-3000-1 | 5 | 759 | 30" | 23 | 800 | 28.2 |
| 802-3600-1 | 5 | 912 | 36" | 23 | 920 | 32.4 |

BOWSAW BLADES, GREEN WOOD



- Suitable for sawing in green wood - wet wood
- Hardened and tempered high-quality steel
- Rust prevention treated and packed in individual sleeve

| Part No. | Box Qty | Length (mm) | Length (in) | Weight (g) | Weight (oz) |
|------------|---------|-------------|-------------|------------|-------------|
| 802-2423-1 | 10 | 607 | 24" | 60 | 2.1 |
| 802-3023-1 | 10 | 759 | 30" | 75 | 2.6 |
| 802-3623-1 | 10 | 912 | 36" | 95 | 3.4 |

BOWSAW BLADES, DRY WOOD



- For cutting dry, seasoned wood
- Hardened and tempered high-quality steel
- Rust prevention treated and packed in individual sleeve

| Part No. | Box Qty | Length (mm) | Length (in) | Weight (g) | Weight (oz) |
|------------|---------|-------------|-------------|------------|-------------|
| 802-2451-1 | 10 | 607 | 24" | 65 | 2.3 |
| 802-3051-1 | 10 | 759 | 30" | 80 | 2.8 |
| 802-3651-1 | 10 | 912 | 36" | 100 | 3.5 |

HANSAW & HACKSAWS

TENON SAW



- Tenon saw for fine and medium thick materials, specially adapted for cutting of small-diameter timber and mitre guide sawing
- Hardpoint universal teeth for long lasting sharpness
- Heavy steel back for rigidity and accurate cutting
- Screwed plastic handle

| Part No. | Box Qty | Length (mm) | Length (in) | Teeth | Weight (g) |
|-----------|---------|-------------|-------------|-------|------------|
| 800-131-1 | 10 | 300 | 12" | 15/16 | 450 |

GENERAL PURPOSE HANSAW



- General purpose saw with fine teeth for smooth sawing in a wide variety of materials, including aluminium, plastics, laminates, wood and chipboard
- Hardpoint fleam-toothing
- Toolbox size
- Screwed 1-piece plastic handle
- Ideal to carry in a toolbox

| Part No. | Box Qty | Length (mm) | Length (in) | Teeth | Weight (g) |
|-----------|---------|-------------|-------------|-------|------------|
| 800-151-1 | 4 | 300 | 12" | 15/16 | 225 |

DOVETAIL FLEX HANDSAW



- Saw blade for cutting wood & plastic materials
- Universal toothing, hardpoint teeth for long lasting sharpness
- Light steel back for rigidity
- Angled wooden handle to allow flush cutting
- Handle swings to allow both left and right hand sawing where access is restricted

| | | | | | |
|-----------|---|-----|-----|-------|-----|
| | | | | | |
| 800-111-1 | 4 | 250 | 10" | 15/16 | 240 |

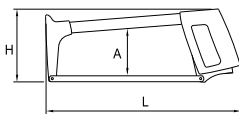
COMPASS SAW



- Compass saw for all kinds of wood and plastic material
- Hardpoint universal teeth for long lasting sharpness
- Screwed, plastic handle

| | | | | | |
|-----------|---|-----|-----|-----|-----|
| | | | | | |
| 800-141-1 | 4 | 300 | 12" | 7/8 | 120 |

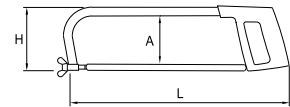
ALUMINIUM HACKSAW FRAME



- Supplied with 300 mm (12") reliable and shatterproof bi-metal blade 24 TPI
- A professional and strong hacksaw frame
- Alternative 55° blade mounting for flush cutting

| | | | | |
|--------|---|-----------|----|-----|
| | | | | |
| 801101 | 5 | 400 (300) | 24 | 748 |

HACKSAW FRAME



- Traditional design
- Easy to use hacksaw frame

| | | | | | |
|-----------|----|------|------|------|-----|
| | | A mm | H mm | L mm | |
| 801-041-1 | 10 | 110 | 151 | 400 | 665 |

BI-METAL

- Shatterproof bi-metal blade with precision teeth for all kinds of metal sawing
- Bi-metal blade is guaranteed to keep its sharpness for a long time
- Packaging: 5 Blades in a hanging clip

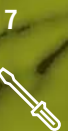


| | | | | |
|-----------|---|-----------------|----|----|
| | | LxWxT mm | | |
| 803-318-5 | 5 | 300 x 13 x 0.65 | 18 | 17 |
| 803-324-5 | 5 | 300 x 13 x 0.65 | 24 | 17 |
| 803-332-5 | 5 | 300 x 13 x 0.65 | 32 | 17 |

- Packaging: 50 Blades in a plastic box



| | | | | |
|------------|----|-----------------|----|----|
| | | LxWxT mm | | |
| 803-318-50 | 50 | 300 x 13 x 0.65 | 18 | 17 |
| 803-324-50 | 50 | 300 x 13 x 0.65 | 24 | 17 |
| 803-332-50 | 50 | 300 x 13 x 0.65 | 32 | 17 |



HANDSAW & HACKSAWS

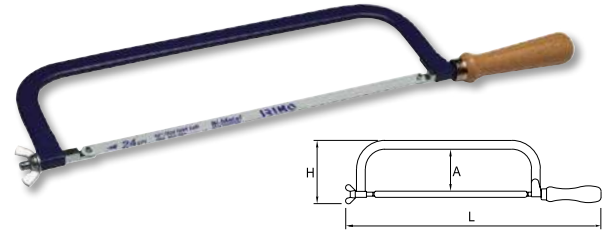
ALUMINIUM HOLDER



- A useful mini-hacksaw for small spaces

| Code | Qty | H mm | L mm | Pkg |
|-----------|-----|------|------|-----|
| 801-145-1 | 5 | 51 | 229 | 140 |

HACKSAW FRAME



- A traditional designed, easy to use hacksaw frame

| Code | Qty | A mm | H mm | L mm | Pkg |
|-----------|-----|------|------|------|-----|
| 801-011-1 | 10 | 100 | 128 | 512 | 575 |

HOLESAWS

HOLESAW SET, 9 pieces

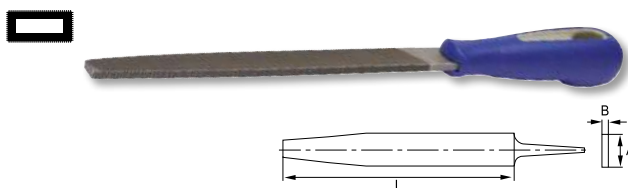


- Bi-metal hole saw set of 9 pieces:
 - 6 pcs hole saws sizes 22, 29, 35, 44, 51 and 64 mm
 - 1 pc holder for big size hole saws (inc. Pilot drill)
 - 1 pc holder for small size hole saws (inc. Pilot drill)
 - 1 pc extra replacement Pilot drill

| Code | Qty | Pkg | Dimensions | Pkg |
|------------|-----|-----|----------------|-------|
| 810-2264-4 | 1 | 9 | 230 x 180 x 70 | 1.000 |

FILES

FLAT FILES



- Edges tapered towards the point, surface parallel
- Surface double cut, edges single cut

| Code | Qty | L mm | A mm | B mm | Surface | Edges | Pkg |
|------------|-----|-----------|------|------|---------|-------|-----|
| BASTARD | | | | | | | |
| 534521 | 6 | 150 / 6" | 16 | 4 | 13 | 33 | 90 |
| 534531 | 6 | 200 / 8" | 20 | 5 | 10 | 25 | 160 |
| 534541 | 6 | 250 / 10" | 25 | 5.5 | 9 | 23 | 250 |
| 534551 | 6 | 300 / 12" | 30 | 6 | 8 | 20 | 413 |
| SECOND CUT | | | | | | | |
| 534251 | 6 | 150 / 6" | 16 | 4 | 18 | 46 | 50 |
| 534261 | 6 | 200 / 8" | 20 | 5 | 14 | 36 | 160 |

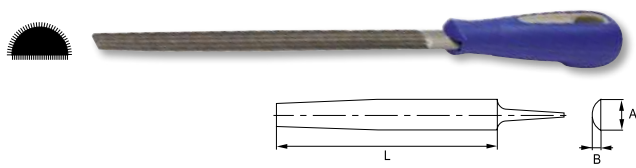
HAND FILES



- Edges and surfaces parallel
- Surface double cut, one edge uncut and one edge single cut

| Code | Qty | L mm | A mm | B mm | Surface | Edges | Pkg |
|------------|-----|----------|------|------|---------|-------|-----|
| BASTARD | | | | | | | |
| 534561 | 6 | 150 / 6" | 16 | 4 | 13 | 33 | 90 |
| 534571 | 6 | 200 / 8" | 20 | 5 | 10 | 25 | 160 |
| SECOND CUT | | | | | | | |
| 534281 | 6 | 150 / 6" | 16 | 4 | 18 | 46 | 50 |
| 534291 | 6 | 200 / 8" | 20 | 5 | 14 | 36 | 160 |

HALF ROUND FILES



- Edges and surfaces tapered towards the point
- Double cut

| Q | Icon | L mm | A mm | B mm | Icon | Icon | g |
|------------|------|-----------|------|------|------|------|-----|
| BASTARD | | | | | | | |
| 534681 | 6 | 150 / 6" | 16 | 4.7 | 13 | 33 | 100 |
| 534691 | 6 | 200 / 8" | 20.5 | 6 | 10 | 25 | 170 |
| 534701 | 6 | 250 / 10" | 26.5 | 7.5 | 9 | 23 | 344 |
| SECOND CUT | | | | | | | |
| 534371 | 6 | 150 / 6" | 16 | 4.7 | 18 | 46 | 100 |
| 534381 | 6 | 200 / 8" | 20.5 | 6 | 14 | 36 | 170 |

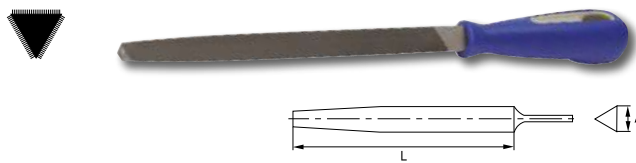
ROUND FILES



- Tapered towards the point
- Double cut

| Q | Icon | L mm | A mm | B mm | Icon | Icon | g |
|------------|------|-----------|------|------|------|------|-----|
| BASTARD | | | | | | | |
| 534601 | 6 | 150 / 6" | 16 | 4.7 | 13 | 33 | 100 |
| 534611 | 6 | 200 / 8" | 20.5 | 6 | 10 | 25 | 170 |
| 534621 | 6 | 250 / 10" | 26.5 | 7.5 | 9 | 23 | 344 |
| SECOND CUT | | | | | | | |
| 534311 | 6 | 150 / 6" | 16 | 4.7 | 18 | 46 | 100 |
| 534321 | 6 | 200 / 8" | 20.5 | 6 | 14 | 36 | 170 |

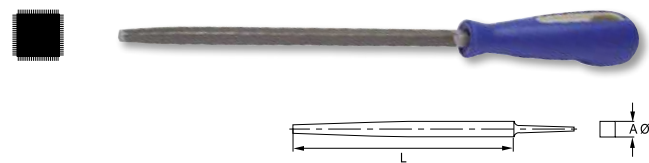
THREE SQUARE FILES



- Equilateral triangle, tapered towards the point
- Double cut surface

| Q | Icon | L mm | A mm | Icon | Icon | g |
|------------|------|----------|------|------|------|-----|
| BASTARD | | | | | | |
| 534901 | 6 | 150 / 6" | 11 | 13 | 33 | 94 |
| 534911 | 6 | 200 / 8" | 15.5 | 10 | 25 | 203 |
| SECOND CUT | | | | | | |
| 534341 | 6 | 150 / 6" | 11 | 18 | 46 | 94 |
| 534351 | 6 | 200 / 8" | 15.5 | 14 | 36 | 203 |

SQUARE FILES



- Surface tapered towards the point
- Double cut surface

| Q | Icon | L mm | A mm | Icon | Icon | g |
|------------|------|----------|------|------|------|-----|
| BASTARD | | | | | | |
| 534931 | 6 | 150 / 6" | 6 | 13 | 33 | 79 |
| 534941 | 6 | 200 / 8" | 8 | 10 | 25 | 132 |
| SECOND CUT | | | | | | |
| 534401 | 6 | 150 / 6" | 6 | 18 | 46 | 79 |
| 534411 | 6 | 200 / 8" | 8 | 14 | 36 | 132 |

FILE SET



| Q | Icon | Icon | Icon | g |
|--------|------|------|-------------|-------|
| 534501 | 1 | 6 | 44 x 37 x 3 | 1.150 |
| 534261 | Icon | Icon | 534351 | Icon |
| 534291 | Icon | Icon | 534381 | Icon |
| 534321 | Icon | Icon | 534411 | Icon |



SPIRIT LEVELS

SPIRIT LEVELS



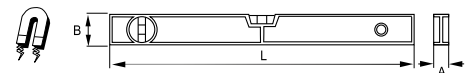
* without handles: 982-40-1
982-4M-1



* with handles: 982-60-1
982-80-1
982-6M-1

- Accuracy ± 1 mm/m
- High visibility, barrel shape acrylic vials
- Three vials: horizontal, vertical and 45°
- Light aluminium material 1.5 kg/m
- Strong profile design. Milled top and bottom measuring surfaces
- Long lasting epoxy painting

| € | Icon | A mm | B mm | L mm | g |
|----------|------|------|------|------|-----|
| 982-40-1 | 1 | 24 | 60 | 400 | 300 |
| 982-60-1 | 1 | 24 | 60 | 600 | 360 |
| 982-80-1 | 1 | 24 | 60 | 800 | 550 |



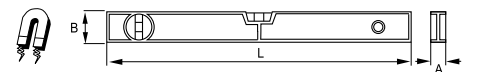
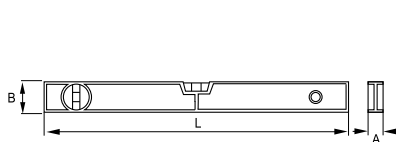
- Two magnets
- Separating force 9 Newton
- Three vials: horizontal, vertical and 45°

| € | Icon | A mm | B mm | L mm | g |
|----------|------|------|------|------|-----|
| 982-4M-1 | 1 | 22 | 60 | 400 | 280 |
| 982-6M-1 | 1 | 24 | 60 | 600 | 370 |

SPIRIT LEVELS



MAGNETIC SPIRIT LEVELS



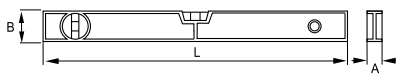
- Aluminium tube, light, 450 g/m
- Tube is slim, easy to carry, size 20 x 49 mm
- Accuracy ± 0.5 mm/m
- High visibility vials
- Three vials: horizontal, vertical and 45°
- Protective end caps
- Long lasting epoxy painting

| € | Icon | A mm | B mm | L mm | g |
|------------|------|------|------|-------|-----|
| 981-400-1 | 1 | 20 | 49 | 400 | 175 |
| 981-600-1 | 1 | 20 | 49 | 600 | 215 |
| 981-800-1 | 1 | 20 | 49 | 800 | 275 |
| 981-1000-1 | 1 | 20 | 49 | 1.000 | 325 |
| 981-1200-1 | 1 | 20 | 49 | 1.200 | 380 |
| 981-1500-1 | 1 | 20 | 49 | 1.500 | 480 |
| 981-1800-1 | 1 | 20 | 49 | 1.800 | 550 |
| 981-2000-1 | 1 | 20 | 49 | 2.000 | 605 |

- Aluminium tube, light, 450 g/m
- Tube is slim, easy to carry, size 22 x 49 mm
- Accuracy ± 0.5 mm/m
- High visibility vials
- Three vials: horizontal, vertical and 45°
- Two built in magnets
- Protective end caps
- Long lasting epoxy painting

| € | Icon | A mm | B mm | L mm | g |
|------------|------|------|------|------|-----|
| 981-400M-1 | 1 | 22 | 49 | 400 | 300 |
| 981-600M-1 | 1 | 22 | 49 | 600 | 450 |

SET OF LEVELS



- Set of 2 levels:
Spirit level 600 mm + Torpedo level
- Aluminium tube, 530 g/m
- High visibility and low density liquid inside the vials
- Torpedo level 982-TOR

| Q | Icon | A mm | B mm | L mm | g |
|---------|------|------|------|------|-----|
| 982-SET | 1 | 55 | 60 | 600 | 410 |

SPIRIT LEVEL SET, 3 pieces



- Set of 3 levels: 600, 1200 and 2000 mm
- Accuracy ± 0.5 mm/m
- High visibility vials
- Three vials: horizontal, vertical and 45°
- Protective end caps
- Long lasting epoxy painting

| Q | Icon | X | Icon | g |
|---------|------|---|----------------------|-------|
| 981-SET | 1 | 3 | 600 + 1200 + 2000 mm | 1.200 |

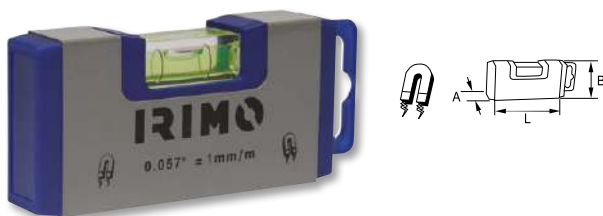
TORPEDO LEVEL



- Magnet in the base
- Suitable for plumbers
- 3 vials: horizontal, vertical and 45°
- ± 1 mm/m accuracy in horizontal vial
- ± 1 mm/m accuracy in vertical vial
- High visibility liquid inside the vials

| Q | Icon | A mm | B mm | L mm | g |
|-----------|------|------|------|------|----|
| 982-TOR-1 | 1 | 15 | 40 | 230 | 80 |

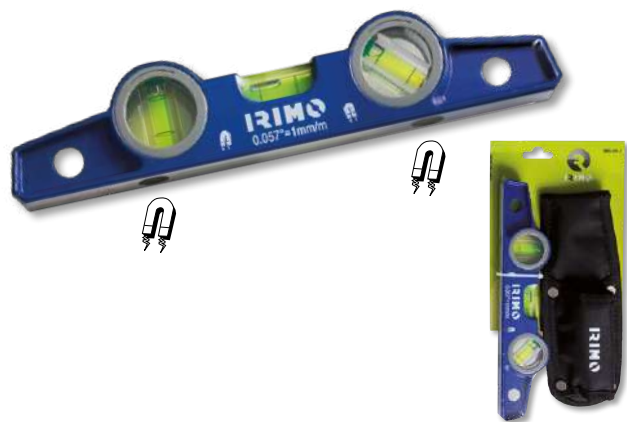
POCKET SPIRIT LEVEL, 100 MM



- Pocket level 10 cm
- Accuracy ± 1 mm/m
- High visibility, barrel shape acrylic vials
- Removable hanging clip
- Long lasting epoxy painting
- 2 strong magnets hidden inside profile, they hold 500 g
- Profile 1.0 mm thickness and weight of 295 g/m

| Q | Icon | A mm | B mm | L mm | g |
|----------|------|------|------|------|----|
| 982-10-1 | 1 | 20 | 50 | 100 | 60 |

ALUMINUM LEVEL WITH HOLSTER

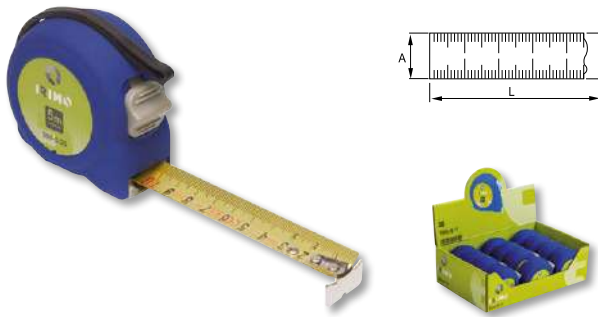


- Strong magnet with neodyms
- High quality vials
- With textile pouch for easy transport

| Q | Icon | g | |
|----------|------|----------------|-----|
| 983-25-1 | 5 | 240 x 140 x 25 | 315 |



MEASURING TAPES



- According to EU Measuring Instruments Directive
- Class II accuracy
- ABS case with thermo rubber coating
- Blade locking system
- Wrist strap
- Metal belt clip
- High quality 50C steel blade
- 3 rivets on stopper

- According to EU Measuring Instruments Directive
- Class II accuracy
- ABS case with thermo rubber coating
- Blade locking system
- Wrist strap
- Metal belt clip
- High quality 50C steel blade
- 3 rivets on stopper

* Counter display when ordering 12 pieces

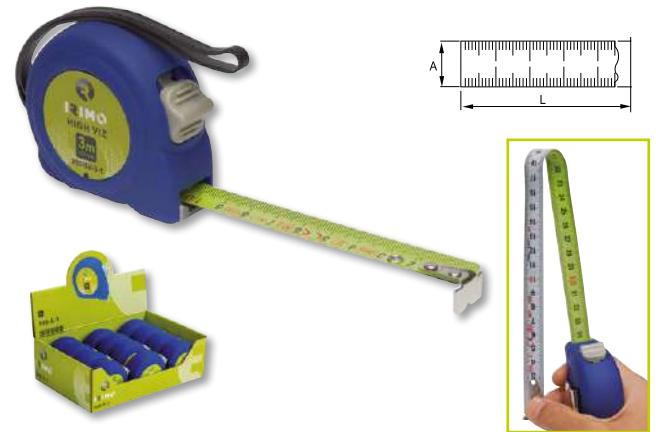
* Counter display when ordering 12 pieces

| R | Box | A mm | L m | g |
|------------|-----|------|-----|-----|
| 980-3-1 | 12 | 16 | 3 | 140 |
| 980-5-1 | 12 | 19 | 5 | 180 |
| 980-5-25-1 | 12 | 25 | 5 | 175 |

| R | Box | A mm | L m | g |
|----------|-----|------|-----|-----|
| 980-3B-1 | 12 | 16 | 3 | 125 |
| 980-5B-1 | 12 | 19 | 5 | 195 |
| 980-8B-1 | 12 | 25 | 8 | 370 |

TAPE TWINPACK

HIGH VISIBILITY MEASURING TAPES



- Measuring tapes twin pack mm
- 3 m x 16 mm & 10 m x 25 mm

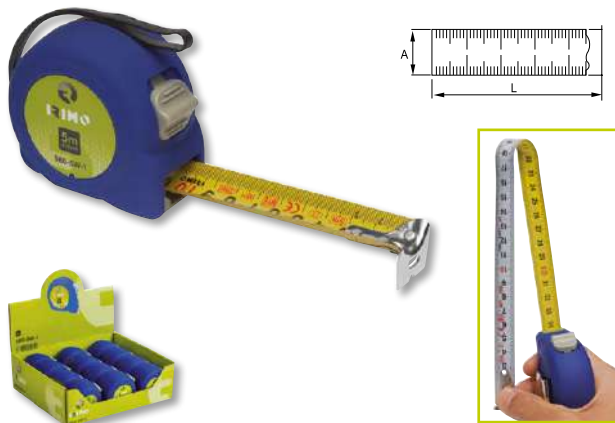
- Special green color of the blade for high visibility
- Vertical marking in the back side
- Back side marking allows easy vertical measurement and marking
- According to EU Measuring Instruments Directive
- Class II accuracy
- ABS case with thermo rubber coating
- Blade locking system
- Wrist strap
- Metal belt clip
- High quality 50C steel blade nylon coated resistant to abrasion
- 3 rivets on stopper hook

* Counter display when ordering 12 pieces

| R | Box | X | Box | g |
|-----------|-----|---|---------------|-----|
| 980-TP2-1 | 12 | 2 | 170 x 80 x 42 | 549 |

| R | Box | A mm | L m | g |
|-----------|-----|------|-----|-----|
| 980HV-3-1 | 12 | 16 | 3 | 105 |
| 980HV-5-1 | 12 | 19 | 5 | 175 |

MEASURING TAPE FOR VERTICAL MEASUREMENTS



- Measuring tape 5 m x 30 mm wide
- Marked in mm in both sides
- Vertical marking in the back
- * Counter display when ordering 12 pieces

| R | | A mm | L m | g |
|----------|----|---------|--------|-----|
| 980-5W-1 | 12 | 30 | 5 | 295 |

LONG TAPE



- According to EU Measuring Instruments Directive
- Class II accuracy
- ABS case with thermo rubber grip
- High quality 50C steel blade
- Stopper with ring and foldable jaw
- Belt clip
- Quick wind mechanism
- Individual box that can be hung

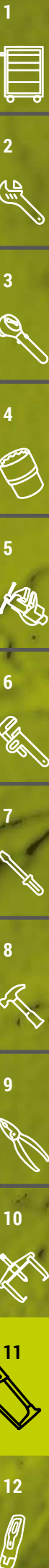
| R | | A mm | L m | g |
|-----------|----|---------|--------|-----|
| 980-20S-1 | 12 | 13 | 20 | 350 |

WOODEN FOLDING RULE



- 10 blades wooden folding rule
- Birch wood, flexible and resistant
- Special varnish resistant to abrasion
- According to EU Measuring Instruments Directive
- Class III

| R | | A mm | L m | g |
|---------|---|---------|--------|-----|
| 985-2-1 | 1 | 16 | 2 | 115 |



SQUARES

SQUARES



- Scale in mm
- Stainless steel blade
- Aluminium handle

| Code | Blades | Blade Length (mm) | Weight (g) |
|-----------|--------|-------------------|------------|
| 991-200-1 | 1 | 200 | 230 |
| 991-250-1 | 1 | 250 | 250 |
| 991-300-1 | 1 | 300 | 290 |
| 991-400-1 | 1 | 400 | 330 |

COMBINATION SQUARES



- Scale in mm and inches
- Stainless steel blade
- Includes a level with 1 mm/m accuracy
- Zinc handle and brass parts

| Code | Blades | Blade Length (mm) | Weight (g) |
|-----------|--------|-------------------|------------|
| 993-150-1 | 1 | 150 | 200 |
| 993-300-1 | 1 | 300 | 230 |
| 993-400-1 | 1 | 400 | 260 |

GAUGE SETS

SCREW PITCH GAUGE SET



- Blade length: 70 mm

| Code | Blades | Blade Length (mm) | Weight (g) |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|------------|
| 972-52-1 | 25 | 52 blades | 65 |
| Metric 60° - 0.25 to 6 mm 0.25-0.30-0.35-0.40-0.45-0.50-0.60-0.70-0.75- 0.80-0.90-1-1.25-1.50-1.75-2-2.5-3-3.5-4-4.5- 5-5.5-6 | | | |
| Whitworth 55° - 4 a 62 thread" 4-4.5-5-6-7-8-9-10-11-12-13-14-16-18-19- 20-22-24-25-26-28-30-32-36-40- 48-60-62 | | | |

FEELER GAUGE SETS



- Blade length: 100 mm

| Code | Blades | Blade Length (mm) | Weight (g) |
|-----------------------------------------------------------------------------------------------------------------------------|--------|-------------------|------------|
| 971-13-1 | 5 | 13 blades | 52 |
| 0.05 to 1 mm 0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60-0.70- 0.80-0.90-1 | | | |
| 971-20-1 | 5 | 20 blades | 83 |
| 0.05 to 1 mm 0.05-0.10-0.15-0.20-0.25-0.30-0.35-0.40-0.45-0.50-0.55- 0.60-0.65-0.70-0.75-0.80-0.85-0.90-0.95-1 | | | |

CALIPERS

VERNIER CALIPER 150 MM



- Vernier caliper
- Accuracy ± 0.03 mm
- Made in hardened stainless steel
- Includes thread chart
- Includes plastic box for safe storage

| | | | | | | |
|---------|---|-------|------|-----|---------------|-----|
| | | | | | | |
| 984-6-1 | 1 | 0-150 | 0-6" | 235 | 25 x 90 x 245 | 150 |

DIGITAL VERNIER CALIPER 150 MM



- Digital Vernier caliper
- Accuracy ± 0.03 mm
- Made in hardened stainless steel
- Includes thread chart
- Includes plastic box for safe storage

| | | | | | | |
|----------|---|-------|------|-----|---------------|-----|
| | | | | | | |
| 984-6D-1 | 1 | 0-150 | 0-6" | 235 | 25 x 90 x 245 | 150 |

INFRARED THERMOMETER



- Non contact measuring temperature
- Measuring range: -50°C to 420°C (-58°F to 788°F)
- With laser pointer
- Accuracy: 0 to 420°C , $\pm 1.5^{\circ}$
 -50 to 0°C , $\pm 3^{\circ}$
- Resolution: 0.1°C
- Repeatability: 1% of reading or 1°C
- Response time: 500 ms
- Measuring cone ratio: L12 to D1
- 9V battery not included

| | | | |
|----------|---|-----|-----|
| | | | |
| LT-420-1 | 1 | 155 | 170 |



PAINT SCRAPERS

PAINT SCRAPERS



- Flexible carbon steel ground blade
- 1.5 mm thickness/0.5 mm at the tip
- Excellent flexibility and maximum durability
- Polished and varnished blade for longer life
- Metallic ring for perfect fixing between handle and blade
- Comfortable and light plastic handle
- Provided with hanging hole
- Standards: DIN 7216, UNE 16608

| € | Icon | S mm | L mm | g |
|--------|------|------|------|-----|
| 540021 | 12 | 20 | 220 | 50 |
| 540031 | 12 | 30 | 220 | 55 |
| 540041 | 12 | 40 | 220 | 60 |
| 540051 | 12 | 50 | 220 | 65 |
| 540061 | 12 | 60 | 220 | 70 |
| 540071 | 12 | 70 | 220 | 75 |
| 540081 | 12 | 80 | 220 | 80 |
| 540091 | 12 | 90 | 220 | 85 |
| 540101 | 12 | 100 | 220 | 90 |
| 540121 | 12 | 120 | 220 | 100 |

BODY WORK SCRAPER SET

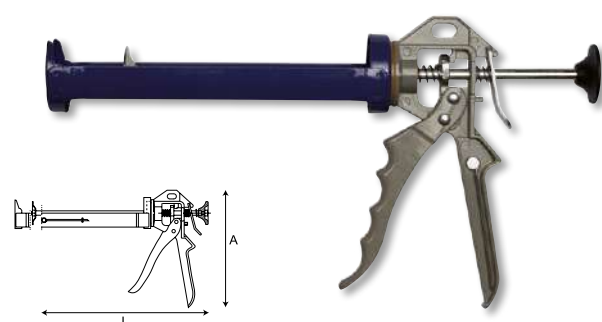


- Bodywork scraper set, 4 pcs
- Carbon steel ground blade
- Excellent flexibility and maximum durability
- Polished and varnished blade to prevent oxidation
- Supplied in a plastic pouch

| € | Icon | Icon | Icon | g |
|--------|------|------|---------|---------------------------------------------|
| 536011 | 1 | 4 | 160x130 | 120 |
| | | | | 90x50 mm, 120x80 mm, 120x105 mm, 120x120 mm |

FASTENING TOOLS

CAULKING GUNS



- Caulking gun for 9" cartridges
- Suitable for most grades of resins and glues
- Handle and trigger made of high quality aluminium
- Rotary skeleton for easy loading
- Needle incorporated for cleaning
- Thrust ratio 7:1
- Maximum push force 1500N

| € | Icon | A mm | L mm | g |
|-----------|------|------|------|-----|
| 549-230-2 | 1 | 200 | 330 | 550 |

ELECTRONIC GLUE GUN SET



- Industrial performance glue gun
- With ON-OFF switch for energy saving
- CE/GS Standards
- Protected nozzle for added safety, reliability and extended life
- 2 additional nozzles (spreader & precision) with a valve to prevent unintentional glue drop
- Foldable stand for safe, handy storage while in use
- Power: 80W. Voltage: 220-240V. Preheat time: 3-5 minutes. Flow of glue: 14-15 g per minute. 1,6 m cord
- 12 pcs of 11.2x150 mm glue stick (6 x General Purpose glue sticks, 6 x Super Strength glue sticks)
- Blister pack

| € | Icon | Icon | g |
|----------|------|------------|-----|
| 550-80-4 | 1 | 40x190x190 | 250 |

HEAT GUN 2000W



- Adjustable temperature heat gun 2000W
- Led display for temperature adjustment
- 12 temperature setting values
- 2 different airflow option:
 - Speed 1: 250 l/min - 50 °C, 100 °C, 150 °C, 200 °C, 250 °C, 350 °C
 - Speed 2: 550 l/min - 100 °C, 200 °C, 300 °C, 400 °C, 500 °C, 600 °C
- Auto cool-down system: 280 l/min - 50 °C
- Hands-free mode

| | | | |
|----------|---|----------------|-----|
| | | | |
| 551-HG-1 | 1 | 200 x 65 x 240 | 560 |

HEAVY DUTY STAPLE GUN 4 IN 1



- Promotional kit with stapler remover including a box with 1000 staples
- Compact, multi-purpose stapler and brad nail staple gun
- High-low power setting to control intensity application
- Fastener window provides clear visibility to determine when staple reload is required
- Anti-jam mechanism for continuous use and reliable operation
- Lock down handle for safe storage and transportation
- Belt clip

| | | | |
|------------|---|------------|-----|
| | | | |
| 560-41LP-1 | 3 | 170x290x40 | 690 |

HEAT GUN NOZZLES



- 4x heat gun nozzles
- Four different nozzles, one for each kind of work
- Compatible with 551-HG-1 2000W heat gun

| | | | | |
|-----------|---|---|---------------|----|
| | | | | |
| 551-NOZ-1 | 1 | 4 | 5 x 110 x 150 | 10 |

HAMMER TACKER



- Promotional kit with a box with 1000 staples
- Compact hammer tacker with steel housing
- Anti-jam mechanism for continuous use and reliable operation
- Ergonomic handle for better grip and handling

| | | | |
|-----------|---|------------|-----|
| | | | |
| 560-HTS-1 | 6 | 115x350x32 | 520 |



FASTENING TOOLS

HEAVY DUTY STAPLE GUN 4 IN 1



- Compact, multi-purpose stapler and brad nail stapler
- High-low power setting to control intensity application
- Fastener window provides clear visibility to determine when staple reload is required
- Anti-jam mechanism for continuous use and reliable operation
- Lock down handle for safe storage and transportation
- Belt clip
- Compatible with:
 - Heavy duty staples (1.2): 6-14 mm (1/4"-9/16")
 - Light duty staples (0.7): 6-14 mm (1/4"-9/16")
 - Cable staples: 10-14 mm (3/8"-9/16")
 - 18 ga. brad nails: 15 mm (19/32")

| Code | Box Qty | Dimensions (mm) | Weight (g) |
|----------|---------|-----------------|------------|
| 560-41-1 | 3 | 170x290x40 | 690 |

HEAVY DUTY STAPLES

x1000



- For heavy duty stapling jobs such as insulation, carpets or roofing felt
- Staples suitable for fabrics, cloths, carpets, cardboard, flat wooden slats, wooden cardboard and metal mesh

| Code | Box Qty | A (mm) | B (mm) | C (mm) | Dimensions (mm) | Weight (g) |
|-----------|---------|--------|--------|--------|-----------------|------------|
| 560-HD-06 | 12 | 1.2 | 11.3 | 6 | 40x28x80 | 110 |
| 560-HD-08 | 12 | 1.2 | 11.3 | 8 | 65x35x80 | 137 |
| 560-HD-10 | 12 | 1.2 | 11.3 | 10 | 65x35x80 | 158 |
| 560-HD-12 | 12 | 1.2 | 11.3 | 12 | 65x35x80 | 172 |
| 560-HD-14 | 12 | 1.2 | 11.3 | 14 | 65x35x80 | 195 |

BRAD NAILS 15 MM

x1000



- Suitable brad nails for craft or carpentry projects

| Code | Box Qty | A (mm) | B (mm) | C (mm) | Dimensions (mm) | Weight (g) |
|-----------|---------|--------|--------|--------|-----------------|------------|
| 560-BN-15 | 12 | 1.2 | 2 | 15 | 40x28x80 | 122 |

HAMMER TACKER



- Compact hammer tacker with steel housing
- Anti-jam mechanism for continuous use and reliable operation
- Ergonomic handle for better grip and handling

| Code | Box Qty | Dimensions (mm) | Weight (g) |
|----------|---------|-----------------|------------|
| 560-HT-1 | 6 | 115x350x32 | 520 |

LIGHT DUTY STAPLES

x1000



- Suitable staples for light duty household and crafting stapling jobs

| Code | Box Qty | A (mm) | B (mm) | C (mm) | Dimensions (mm) | Weight (g) |
|-----------|---------|--------|--------|--------|-----------------|------------|
| 560-LD-06 | 12 | 0.7 | 11.3 | 6 | 40x28x80 | 70 |
| 560-LD-08 | 12 | 0.7 | 11.3 | 8 | 65x35x80 | 88 |
| 560-LD-10 | 12 | 0.7 | 11.3 | 10 | 65x35x80 | 102 |
| 560-LD-12 | 12 | 0.7 | 11.3 | 12 | 65x35x80 | 112 |
| 560-LD-14 | 12 | 0.7 | 11.3 | 14 | 65x35x80 | 117 |

CABLE STAPLES

x1000



- Suitable staples for low voltage wires

| Code | Box Qty | A (mm) | B (mm) | C (mm) | Dimensions (mm) | Weight (g) |
|-----------|---------|--------|--------|--------|-----------------|------------|
| 560-CA-10 | 12 | 1.2 | 7.5 | 10 | 65x35x80 | 127 |
| 560-CA-12 | 12 | 1.2 | 7.5 | 12 | 65x35x80 | 145 |
| 560-CA-14 | 12 | 1.2 | 7.5 | 14 | 65x35x80 | 151 |



12. LIGHTING & PNEUMATIC TOOLS

POCKET LAMPS

FLEXIBLE LIGHT



- LED COB (main) / 1xSMD (torch)
- LUMENS: 400 lm (main) / 70 lm (torch)
- Battery:
 - Material: Li-ion 3.7V 2000 mAh
 - Operating time: 3 h (main) / 10 h (torch)
 - Charging time: 3 h
 - Charging port: Micro USB
- Two light intensity options
- Micro USB cable 1m included
- Temperature: 5700 K
- CRI: >70
- IP54 / IK07
- CE-EMC / RoHS / Reach

| | | | | | | | |
|----------|---|-----|----|---|------|-----|-------------------|
| | | | | | | | |
| L-FLEX-1 | 1 | 400 | 70 | ✓ | 3/10 | 3.5 | 74 x 262 x 45 307 |

COMPACT



- LED COB (main) / 1xSMD (torch)
- LUMENS: 600 lm (main) / 100 lm (torch)
- Battery:
 - Material: Li-ion 3.7V 2000 mAh
 - Operating time: 2.5 h (main) 6 h (torch)
 - Charging time: 3 h
 - Charging port: Micro USB
- Micro USB cable 1 m included
- Temperature: 5700 K
- CRI: >80
- IP54 / IK07
- CE-EMC / RoHS / Reach

| | | | | | | | |
|----------|---|-----|-----|---|-------|---|-------------------|
| | | | | | | | |
| L-COMP-1 | 1 | 600 | 100 | ✓ | 2.5/6 | 3 | 75 x 207 x 38 223 |

SLIM FLEX



- LED COB (main) / 1xSMD (torch)
- LUMENS: 400 lm (main) / 70 lm (torch)
- Battery:
 - Material: Li-ion 3.7V 2000 mAh
 - Operating time: 3-8 h (main) 8 h (torch)
 - Charging time: 3 h
 - Charging port: Micro USB
- Thumbwheel light intensity regulator
- Micro USB cable 1 m included
- Temperature: 5700 K
- CRI: >70
- IP20 / IK07
- CE-EMC / RoHS / Reach

| | | | | | | | |
|----------|---|-----|----|---|-----|---|-------------------|
| | | | | | | | |
| L-SLIM-1 | 1 | 400 | 70 | ✓ | 3/8 | 3 | 82 x 168 x 36 200 |



MINI FLEXIBLE LIGHT



- LED SMD 4+1
- LUMENS: 250 lm (main) / 70 lm (torch)
- Battery:
 - Material: Li-ion 3.7V 1000 mAh
 - Operating time: 3 h (main) 7 h (torch)
 - Charging time: 3 h
 - Charging port: Micro USB
- Micro USB cable 1m included
- Temperature: 5700 K
- CRI: >80
- IP20 / IK07
- CE-EMC / RoHS / Reach

| | | | | | | | | |
|----------|---|-----|----|---|-----|---|---------------|-----|
| | | | | | | | | |
| L-MINI-1 | 1 | 250 | 70 | ✓ | 3/7 | 3 | 53 x 195 x 53 | 130 |

POCKET FLEX LIGHT



- LED SMD 4+1
- LUMENS: 250 lm (main) / 70 lm (torch)
- Battery:
 - Material: Li-ion 3.7V 1000 mAh
 - Operating time: 2-2.5 h (main) 6 h (torch)
 - Charging time: 3 h
 - Charging port: Micro USB
- Micro USB cable 1m included
- Temperature: 5700 K
- CRI: >80
- IP20 / IK07
- CE-EMC / RoHS / Reach

| | | | | | | | | |
|----------|---|-----|----|---|-------|---|---------------|-----|
| | | | | | | | | |
| L-POCK-1 | 1 | 250 | 70 | ✓ | 2.5/6 | 3 | 73 x 138 x 45 | 220 |

INSPECTION LAMPS

ALUMINIUM TORCH



- LED COB
- LUMENS: 100 lm
- Battery:
 - 3AAA included
 - Operating time: 9 h
- Aluminium body
- Easy push rubber button
- Strap to hang it
- Temperature: 6500 K
- CRI: >70
- IP44
- CE-EMC / RoHS

| | | | | | |
|---------------|---|-----|------|-----------------|-------|
| | | | | | |
| L-ALUM-1 | 1 | 100 | 3AAA | 100 x 45 x 35 | 100 |
| L-ALUM-12DISP | 1 | | | 105 x 220 x 170 | 1.050 |

PEN LIGHT



- LED SMD 6+1
- LUMENS: 150 lm (main) / 70 lm (torch)
- Battery:
 - Material: Li-ion 3.7V 600 mAh
 - Operating time: 2.5 h (main) 3.5 h (torch)
 - Charging time: 2 h
 - Charging port: USB C type
- Micro USB cable 1m included
- Temperature: 5700 K
- CRI: >80
- IP20 / IK07
- CE-EMC / RoHS / Reach

| | | | | | | | | |
|---------|---|-----|----|---|---------|---|---------------|-----|
| | | | | | | | | |
| L-PEN-1 | 1 | 150 | 70 | ✓ | 2.5/3.5 | 2 | 39 x 164 x 18 | 390 |



WORKING LAMPS

BOOK LIGHT



- LED 27xSMD
- Two intensity options
- LUMENS: 500 lm / 1000 lm
- Battery:
 - Material: Li-ion 3.7V 4000 mAh
 - Operating time: 6 h / 500 lm, 3 h / 1000 lm
 - Charging time: 2.5-3 h / 5V 2A
 - Charging port: Micro USB
- Power bank functionality
- Rotating handle 270°
- Micro USB cable 1 m included
- Temperature: 6000 K
- CRI: >80
- IP54 / IK08
- CE-EMC / RoHS / Reach

| | | | | | | |
|----------|---|----------|-----|---|----------------|-----|
| | | | | | | |
| L-BOOK-1 | 1 | 500/1000 | 3/6 | 3 | 182 x 142 x 52 | 400 |

HEAD LAMPS

HEAD LIGHT



- LED SMD
- LUMENS: 400 lm
- Battery:
 - Material: Li-ion 3.7V 2200mAh
 - Operating time: 5 h
 - Charging time: 4 h
 - Charging port: Micro USB
- Two intensity and blinking option in the front
- Rear red light with blinking option
- Adjustable strap
- Swiveling head
- Zoom for better focus
- Micro USB cable 1 m included
- Temperature: 6000 K
- CRI: >70
- IP44
- CE-EMC / RoHS / Reach

| | | | | | |
|----------|---|---|---|---------------|-----|
| | | | | | |
| L-HEAD-1 | 1 | 5 | 4 | 118 x 87 x 64 | 125 |

HEAD LIGHT



- LED: COB&PE
- Two settings for intensity and flashing light
- Motion sensor activation mode for contactless On/Off
- Battery:
 - Material: 3.7 V 1200 mAh lithium battery
- Adjustable strap
- USB charging cable included
- IPX4

| | | | | | | | | | |
|-----------|---|-----|---|---|-----|------|------|---------------|----|
| | | | | | | | | | |
| L-FRONT-1 | 1 | 150 | x | 8 | 2.5 | IPX4 | 6000 | 40 x 60 x 100 | 70 |

1/2" IMPACT WRENCH

P-IW-12



- 1/2" pneumatic impact wrench, 1600 N-m
- Powerful twin hammer mechanism
- Light, durable and insulated composite housing
- Powerful twin hammer mechanism
- Easy one-hand forward and reverse change
- Three-step power regulator
- Progressive trigger mechanism
- Built-in silencer

P-IW-12C



- Compact 1/2" pneumatic impact wrench, 1200 N-m
- Powerful twin hammer mechanism
- Light, durable and insulated composite housing
- Powerful twin hammer mechanism
- Easy one-hand forward and reverse change
- Three-step power regulator
- Progressive trigger mechanism
- Built-in silencer

P-IW-12P



- High performance 1/2" pneumatic impact wrench, 2230 N-m
- Powerful twin hammer mechanism
- Light, durable and insulated composite housing
- Powerful twin hammer mechanism
- Easy one-hand forward and reverse change
- Three-step power regulator
- Progressive trigger mechanism
- Built-in silencer

P-IW-34



- 3/4" pneumatic impact wrench, 2298 N-m
- Powerful twin hammer mechanism
- Light, durable and insulated composite housing
- Powerful twin hammer mechanism
- Easy one-hand forward and reverse change
- Three-step power regulator
- Progressive trigger mechanism
- Built-in silencer

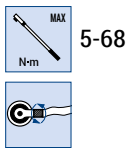


| | Icon | Icon | BAR | inch | mm | mm | Nm | MAX Nm | rpm | mm | mm | mm | mm | kg |
|----------|------|------|-----|-----------|----|-----|-----------|--------|--------|-------|-----|------|-----|------|
| P-IW-12 | 1 | 1/2" | 6.3 | 1/4" - 19 | 10 | 184 | 680-730 | 1600 | 8.500 | 1.000 | 110 | 6.34 | 185 | 2.1 |
| P-IW-12C | 1 | 1/2" | 6.3 | 1/4" - 19 | 10 | 184 | 500-580 | 1200 | 10.500 | 1.250 | 110 | 6.34 | 125 | 1.25 |
| P-IW-12P | 1 | 1/2" | 6.3 | 1/4" - 19 | 10 | 184 | 1050-1150 | 2230 | 7.500 | 1.000 | 110 | 6.34 | 195 | 2.3 |
| P-IW-34 | 1 | 3/4" | 6.3 | 1/4" - 19 | 10 | 184 | 1080-1150 | 2298 | 7.500 | 1.000 | 110 | 6.34 | 195 | 2.37 |



1/4" RATCHET

P700



1/2" RATCHET

P821



• Composite

| Part No. | Box | Size | BAR | inch | mm | mm | N-m | rpm | dB | mm | kg |
|----------|-----|------|-----|-----------|----|-----|--------|-----|-------|------|------|
| P700 | 1 | 1/4" | 6.3 | 1/4" - 18 | 10 | 136 | 0 - 27 | 300 | 94.00 | 3.60 | 0.50 |
| P821 | 1 | 1/2" | 6.3 | 1/4" - 18 | 10 | 120 | 0 - 67 | 150 | 80.00 | 2.60 | 1.20 |

BLOW GUN



| Part No. | Box | BAR | kg |
|----------|-----|-----|-----|
| P218 | 1 | 6.3 | 135 |

AIR LINE COUPLERS



| Part No. | Box | inch | mm | g |
|------------------|-----|--------------|------------------|----|
| PM5002 PM5003 | 1 | 1/4" 3/8" | Male Male | 70 |
| PM5012 PM5013 | 1 | 1/4" 3/8" | Female Female | 80 |
| PM5142 PM5143 | 1 | 1/4" 3/8" | Male Male | 20 |
| PM5152 PM5153 | 1 | 1/4" 3/8" | Female Female | 20 |
| PM5248 | 1 | - | For 8 mm hose | 10 |

IN LINE LUBRICATOR



• Install either in the tool air input, or in the 1/4" hose thread

| Part No. | Box | inch | kg |
|----------|-----|------|------|
| PN251 | 1 | 1/4" | 0.10 |

188



FILTER REGULATOR



- When compressing atmospheric air, which always has a humidity rate, liquid water is generated in the pneumatic circuits. It is necessary to filter this water to protect the circuit and the air operated tools
- Use an air filter and regulator for the spray guns
- Technical data:
 - Air connection 1/2"
 - Bowl capacity 100 ml
 - Gauge diameter 50 mm
 - Pressure regulation range 0.5-10 bar
 - Minimum temperature +5°
 - Maximum temperature 60°
 - Nominal flow 3.200 NL/mn
 - Filtering size 20 m

| | | |
|------|---|------|
| | | |
| P254 | 1 | 1.04 |

FILTER REGULATOR LUBRICATOR



- When compressing atmospheric air, which always has a humidity rate, liquid water is generated in the pneumatic circuits. It is necessary to filter this water to protect the circuit and the air operated tools
- For the rest of pneumatic tools used in repair or body shop, it is necessary to use an air filter, regulator and lubricator
- Technical data:
 - Air connection 1/2"
 - Bowl capacity 100 ml
 - Gauge diameter 50 mm
 - Pressure regulation range 0.5-10 bar
 - Minimum temperature +5°
 - Maximum temperature 60°
 - Nominal flow 3.200 NL/mn
 - Filtering size 20 m

| | | |
|------|---|------|
| | | |
| P255 | 1 | 1.42 |

CORDLESS SCREWDRIVER

3.6V CORDLESS SCREWDRIVER



- 3.6V Li-ion rechargeable battery
- 1/4" hex quick release bit holder
- 6+1 torque positions
- LED light to lighten the working area
- 4 LED lamp to work as a regular torch
- Adaptable handle in straight or pistol shapes
- One hand forward/reverse change
- Integrated colour LEDs to know the battery status
- 4 screwdriver bits included
- Packed in a retail color cardboard box

| | | | | | |
|--------|---|-----|----------|-----|-----|
| | | | | | |
| 3.6SDR | 1 | 3.6 | 95x65x35 | 200 | 400 |





- The IRIMO exhibitors are a perfect solution that contributes to improving the point of sale management.
- With their attractive design, these displays will help enhance the image of the store.
- This solution facilitates stock control and at the same time, optimize display space.

NOTE: Below are some examples; for more information about different accessories and sizes, please contact us and we will offer the ideal solution suited to your needs.



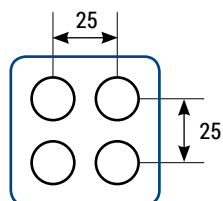
MEE-SIGN-CARR-I SIGN CARRIER+SIGN IRIMO (100 cm)

MEE-1S2L-B-I METAL WALL_1SIDE_2LEG_BAHC&IRI

* Tools not included

POINT OF SALE MATERIAL

METAL WALL 1 SIDE 2 LEGS



Perforated wall detail

| | W mm | H mm | L mm | kg |
|--------------|---------|---------|---------|-------|
| MEE-1S2L-B-I | 524 | 2250 | 1030 | 53.63 |

LIGHTBOX



- Short cable is included
- Order long cable separately (PEE-LCABLE-B-I)

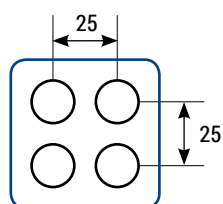
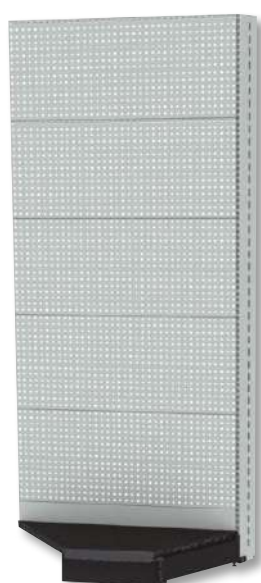
| | W mm | H mm | L mm | kg |
|----------------|---------|---------|---------|-------|
| MEE-LIGHTBOX-I | 412 | 170 | 1000 | 13.32 |

SIGN CARRIER + SIGN IRIMO



| | W mm | H mm | L mm | kg |
|-----------------|---------|---------|---------|------|
| MEE-SIGN-CARR-I | 90 | 200 | 1000 | 1.98 |

METAL WALL CORNER 1 LEG



Perforated wall detail

| | W mm | H mm | L mm | kg |
|----------------|---------|---------|---------|-------|
| MEE-COR-1L-B-I | 388 | 2350 | 941 | 44.05 |

LIGHTBOX CORNER WALL



- Short cable is included
- Order long cable separately (PEE-LCABLE-B-I)

| | W mm | H mm | L mm | kg |
|-----------------|---------|---------|---------|-------|
| MEE-COR-LIGHT-I | 400 | 174 | 910 | 7.375 |

POINT OF SALE MATERIAL

SPARE PARTS FOR METAL WALL

METHACRYLATE FOR LIGHTBOX



| IRIMO | W mm | H mm | L mm | kg |
|-----------------|---------|---------|---------|------|
| PEE-METHACRYL-I | 3 | 168 | 980 | 0.61 |

PVC TOP SIGN FOR SIGN CARRIER



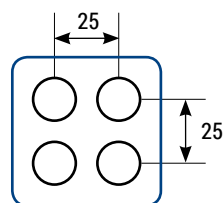
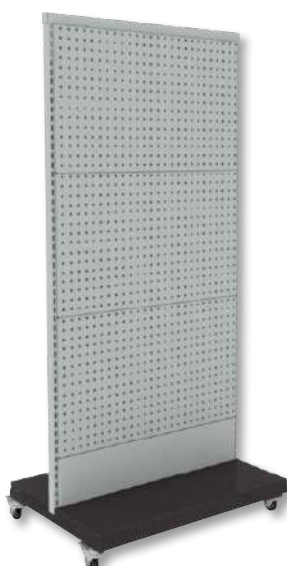
| IRIMO | W mm | H mm | L mm | kg |
|-----------------|---------|---------|---------|-----|
| PEE-SIGN-DB-W-2 | 3 | 150 | 980 | 0.2 |

TOP SIGN FOR DOUBLE SIDED WALL



| IRIMO | W mm | H mm | L mm | kg |
|---------------|---------|---------|---------|-----|
| PEE-TOPSIGN-I | 3 | 150 | 980 | 0.2 |

DOUBLE SIDE WALL WITH WHEELS



Perforated wall detail

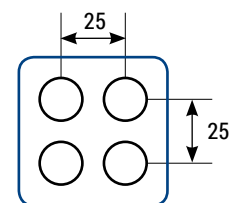
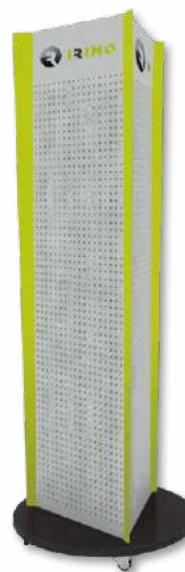
| IRIMO | W mm | H mm | L mm | kg |
|-------------|---------|---------|---------|-------|
| MEE-DB-W-NL | 300 | 800 | 1390 | 29.99 |

BANNER FOR METAL WALLS



| IRIMO | W mm | H mm | L mm | kg |
|--------------|---------|---------|---------|-------|
| MEE-BANNER-I | 15 | 1200 | 230 | 1.025 |

TRIANGULAR METAL WALL WITH WHEELS



Perforated wall detail

| IRIMO | W mm | H mm | L mm | kg |
|------------|---------|---------|---------|-------|
| MEE-TR-W-I | 700 | 1860 | 700 | 23.45 |

ADDITIONAL POS MATERIAL. EMPTY DISPLAYS

GENERIC COUNTER DISPLAY



| IRIMO | W mm | H mm | L mm | kg |
|----------------|---------|---------|---------|-----|
| MEE-COUNT-IR-1 | 295 | 615 | 430 | 6.7 |

COUNTER S DISPLAY



- The display includes 12 hooks of 240 mm length each one

| IRIMO | W mm | H mm | L mm | kg |
|----------------|---------|---------|---------|-----|
| MEE-COUNT-IR-2 | 260 | 465 | 465 | 2.6 |

COUNTER L DISPLAY



- The display includes 22 hooks of 240 mm length each one

| IRIMO | W mm | H mm | L mm | kg |
|----------------|---------|---------|---------|------|
| MEE-COUNT-IR-3 | 270 | 465 | 775 | 4.12 |

PALLET COVER EUROPALET



| IRIMO | W mm | H mm | L mm | kg |
|-------------|---------|---------|---------|-------|
| PEE-PC-IR-1 | 1150 | 250 | 800 | 0.735 |

COUNTER DISPLAY PLIERS, 20 pieces



| IRIMO | W mm | H mm | L mm | kg |
|---------------|---------|---------|---------|------|
| PEE-COUNT-006 | 280 | 240 | 365 | 0.23 |

COUNTER DISPLAY PLIERS, 5 pieces



| IRIMO | W mm | H mm | L mm | kg |
|----------------|---------|---------|---------|-------|
| CEE-COUNT-IR-1 | 200 | 60 | 90 | 0.237 |

STICKERS A4 SHEET



| IRIMO | W mm | L mm | kg |
|-----------------|---------|---------|-------|
| PPOS-A4-STICK-1 | 210 | 295 | 0.018 |

STAND ALONE



- Material: metal and plastic
- Color: black and green
- The display can be used to expose 3 different socket sets: small - medium - big
- The following socket sets can be exposed:
 - Small socket set (109-35-4)
 - Medium socket set (119-18-4 or 129-23-4)
 - Big socket set (129-58-4 or 129-101-4)
- Includes 3 wall racks with a methacrylate cover
- Delivered already mounted & empty

| IRIMO | Quantity | Dimensions |
|--------------|----------|--------------|
| MEE-SA-SS-IR | 1 | 1835x455x380 |

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| 001021 | 36 | 041101 | 112 | 047081 | 116 |
| 001031 | 36 | 041111 | 113 | 047101 | 116 |
| 001041 | 36 | 041121 | 113 | 047121 | 116 |
| 001051 | 36 | 045001 | 113 | 055011 | 47 |
| 001061 | 36 | 045011 | 113-115 | 055031 | 47 |
| 001071 | 36 | 045021 | 113 | 055051 | 47 |
| 001081 | 36 | 045031 | 113 | 055071 | 47 |
| 020011 | 44 | 045041 | 113-115 | 055091 | 47 |
| 020031 | 44 | 045051 | 113 | 055121 | 47 |
| 020051 | 44 | 045061 | 113 | 055141 | 47 |
| 020071 | 44 | 045071 | 113 | 055171 | 47 |
| 020091 | 44 | 045081 | 113 | 055181 | 47 |
| 020121 | 44 | 045091 | 113 | 055201 | 47 |
| 020141 | 44 | 045101 | 113 | 055211 | 47 |
| 020171 | 44 | 045121 | 113 | 055221 | 47 |
| 020181 | 44 | 045141 | 113 | 055241 | 47 |
| 020201 | 44 | 045171 | 113 | 055251 | 47 |
| 020211 | 44 | 045191 | 113-115 | 055301 | 47 |
| 020221 | 44 | 045221 | 113 | 055311 | 47 |
| 020241 | 44 | 045541 | 115 | 056231 | 47 |
| 020251 | 44 | 045561 | 115 | 056271 | 47 |
| 021221 | 44 | 045581 | 115 | 066-400-1 | 167 |
| 021251 | 44 | 045601 | 115 | 070411 | 52 |
| 040001 | 112 | 045611 | 115 | 070421 | 52 |
| 040011 | 112 | 045621 | 115 | 070431 | 52 |
| 040021 | 112 | 045641 | 115 | 070441 | 52 |
| 040031 | 112 | 045661 | 115 | 070451 | 52 |
| 040041 | 112 | 045681 | 115 | 070461 | 52 |
| 040051 | 112 | 045701 | 115 | 070471 | 52 |
| 040061 | 112 | 045731 | 115 | 070481 | 52 |
| 040071 | 112 | 045801 | 115 | 10-0405-1 | 37 |
| 040081 | 112 | 045811 | 115 | 10-0607-1 | 37 |
| 040091 | 112 | 045821 | 115 | 10-0809-1 | 37 |
| 040101 | 112 | 045831 | 115 | 10-1011-1 | 37 |
| 040121 | 112 | 045841 | 115 | 10-1013-1 | 37 |
| 040141 | 112 | 045851 | 115 | 10-12-H | 38 |
| 040171 | 112 | 045861 | 115 | 10-12-W | 38 |
| 040191 | 112 | 045871 | 115 | 10-1213-1 | 37 |
| 040221 | 112 | 045881 | 115 | 10-1415-1 | 37 |
| 040541 | 112 | 045891 | 115 | 10-1617-1 | 37 |
| 040561 | 112 | 045901 | 115 | 10-1719-1 | 37 |
| 040581 | 112 | 045921 | 115 | 10-1819-1 | 37 |
| 040601 | 112 | 045941 | 115 | 10-2022-1 | 37 |
| 040611 | 112 | 046011 | 114 | 10-2123-1 | 37 |
| 040621 | 112 | 046021 | 114 | 10-2224-1 | 37 |
| 040641 | 112 | 046031 | 114 | 10-2426-1 | 37 |
| 040661 | 112 | 046041 | 115 | 10-2427-1 | 37 |
| 040681 | 112 | 046051 | 115 | 10-2528-1 | 37 |
| 040701 | 112 | 046061 | 115 | 10-2729-1 | 37 |
| 040731 | 112 | 046091 | 114 | 10-3032-1 | 37 |
| 041011 | 112 | 046101 | 114 | 10-8-H | 38 |
| 041021 | 112 | 047001 | 116 | 101-04-1 | 56 |
| 041031 | 112 | 047011 | 116 | 101-045-1 | 56 |
| 041041 | 112 | 047021 | 116 | 101-05-1 | 56 |
| 041051 | 112 | 047031 | 116 | 101-055-1 | 56 |
| 041061 | 112 | 047041 | 116 | 101-06-1 | 56 |
| 041071 | 112 | 047051 | 116 | 101-07-1 | 56 |
| 041091 | 112 | 047061 | 116 | 101-08-1 | 56 |

| 🔍 | 📖 | 🔍 | 📖 | 🔍 | 📖 |
|---------------|----|------------|----|----------|----|
| 101-09-1 | 56 | 107-1280-1 | 57 | 113-19-1 | 61 |
| 101-10-1 | 56 | 107-H3-1 | 57 | 115-20-1 | 62 |
| 101-11-1 | 56 | 107-H4-1 | 57 | 115-22-1 | 62 |
| 101-12-1 | 56 | 107-H5-1 | 57 | 115-24-1 | 62 |
| 101-13-1 | 56 | 107-H6-1 | 57 | 115-40-1 | 63 |
| 101-14-1 | 56 | 107-H8-1 | 57 | 115-42-1 | 62 |
| 101A-05-1 | 56 | 107-PH1-1 | 57 | 115-43-1 | 62 |
| 101A-06-1 | 56 | 107-PH2-1 | 57 | 115-44-1 | 63 |
| 101A-07-1 | 56 | 107-PH3-1 | 57 | 115-46-1 | 63 |
| 101A-08-1 | 56 | 107-PZ1-1 | 57 | 115-48-1 | 63 |
| 101A-09-1 | 56 | 107-PZ2-1 | 57 | 115-70-1 | 62 |
| 101A-10-1 | 56 | 107-PZ3-1 | 57 | 115501 | 62 |
| 101A-11-1 | 56 | 107-T08-1 | 57 | 119-18-4 | 63 |
| 101A-12-1 | 56 | 107-T09-1 | 57 | 121-08-1 | 64 |
| 101A-14-1 | 56 | 107-T10-1 | 57 | 121-09-1 | 64 |
| 101A-16-1 | 56 | 107-T15-1 | 57 | 121-10-1 | 64 |
| 101A-18-1 | 56 | 107-T20-1 | 57 | 121-11-1 | 64 |
| 103-04-1 | 56 | 107-T25-1 | 57 | 121-12-1 | 64 |
| 103-045-1 | 56 | 107-T27-1 | 57 | 121-13-1 | 64 |
| 103-05-1 | 56 | 107-T30-1 | 57 | 121-14-1 | 64 |
| 103-055-1 | 56 | 107-T40-1 | 57 | 121-15-1 | 64 |
| 103-06-1 | 56 | 107A-4-1 | 57 | 121-16-1 | 64 |
| 103-07-1 | 56 | 107A-5-1 | 57 | 121-17-1 | 64 |
| 103-08-1 | 56 | 107A-6-1 | 57 | 121-18-1 | 64 |
| 103-09-1 | 56 | 107A-7-1 | 57 | 121-19-1 | 64 |
| 103-10-1 | 56 | 109-11-4 | 58 | 121-20-1 | 64 |
| 103-11-1 | 56 | 109-13-4 | 58 | 121-21-1 | 64 |
| 103-12-1 | 56 | 109-19-4 | 61 | 121-22-1 | 64 |
| 103-13-1 | 56 | 109-23-4 | 60 | 121-23-1 | 64 |
| 103-14-1 | 56 | 109-35-4 | 60 | 121-24-1 | 64 |
| 103A-06-1 | 56 | 109-37-4 | 60 | 121-25-1 | 64 |
| 103A-08-1 | 56 | 112-06-1 | 61 | 121-26-1 | 64 |
| 103A-09-1 | 56 | 112-07-1 | 61 | 121-27-1 | 64 |
| 103A-10-1 | 56 | 112-08-1 | 61 | 121-28-1 | 64 |
| 103A-11-1 | 56 | 112-09-1 | 61 | 121-30-1 | 64 |
| 103A-12-1 | 56 | 112-10-1 | 61 | 121-32-1 | 64 |
| 103A-14-1 | 56 | 112-11-1 | 61 | 121-34-1 | 64 |
| 103A-16-1 | 56 | 112-12-1 | 61 | 121-36-1 | 64 |
| 105-22-1 | 59 | 112-13-1 | 61 | 122-08-1 | 64 |
| 105-24-1 | 59 | 112-14-1 | 61 | 122-09-1 | 64 |
| 105-26-1 | 59 | 112-15-1 | 61 | 122-10-1 | 64 |
| 105-28-1 | 59 | 112-16-1 | 61 | 122-11-1 | 64 |
| 105-40-1 | 59 | 112-17-1 | 61 | 122-12-1 | 64 |
| 105-42-1 | 59 | 112-18-1 | 61 | 122-13-1 | 64 |
| 105-46-1 | 59 | 112-19-1 | 61 | 122-14-1 | 64 |
| 105-48-1 | 59 | 112-20-1 | 61 | 122-15-1 | 64 |
| 105-50-1 | 59 | 112-21-1 | 61 | 122-16-1 | 64 |
| 105-70-1 | 58 | 112-22-1 | 61 | 122-17-1 | 64 |
| 105-70-12DISP | 58 | 113-07-1 | 61 | 122-18-1 | 64 |
| 105501 | 58 | 113-08-1 | 61 | 122-19-1 | 64 |
| 106-04-1 | 56 | 113-09-1 | 61 | 122-20-1 | 64 |
| 106-05-1 | 56 | 113-10-1 | 61 | 122-21-1 | 64 |
| 106-06-1 | 56 | 113-11-1 | 61 | 122-22-1 | 64 |
| 106-07-1 | 56 | 113-12-1 | 61 | 122-23-1 | 64 |
| 106-08-1 | 56 | 113-13-1 | 61 | 122-24-1 | 64 |
| 106-10-1 | 56 | 113-14-1 | 61 | 122-27-1 | 64 |
| 107-0840-1 | 57 | 113-16-1 | 61 | 122-30-1 | 64 |
| 107-1055-1 | 57 | 113-17-1 | 61 | 122-32-1 | 64 |

| ☪ | 📖 |
|-----------|----|
| 122-34-1 | 64 |
| 122-36-1 | 64 |
| 122A-10-1 | 64 |
| 122A-11-1 | 64 |
| 122A-12-1 | 64 |
| 122A-14-1 | 64 |
| 122A-16-1 | 64 |
| 122A-18-1 | 64 |
| 122A-20-1 | 64 |
| 122A-22-1 | 64 |
| 122A-24-1 | 64 |
| 122A-26-1 | 64 |
| 122A-28-1 | 64 |
| 122A-30-1 | 64 |
| 122A-34-1 | 64 |
| 122A-38-1 | 64 |
| 122A-40-1 | 64 |
| 123-10-1 | 65 |
| 123-12-1 | 65 |
| 123-13-1 | 65 |
| 123-14-1 | 65 |
| 123-15-1 | 65 |
| 123-16-1 | 65 |
| 123-17-1 | 65 |
| 123-18-1 | 65 |
| 123-19-1 | 65 |
| 123-21-1 | 65 |
| 123-22-1 | 65 |
| 123-24-1 | 65 |
| 124-10-1 | 65 |
| 124-11-1 | 65 |
| 124-12-1 | 65 |
| 124-13-1 | 65 |
| 124-14-1 | 65 |
| 124-15-1 | 65 |
| 124-16-1 | 65 |
| 124-17-1 | 65 |
| 124-18-1 | 65 |
| 124-19-1 | 65 |
| 124-21-1 | 65 |
| 124-22-1 | 65 |
| 124-24-1 | 65 |
| 124-27-1 | 65 |
| 124-30-1 | 65 |
| 124-32-1 | 65 |
| 124A-18-1 | 65 |
| 124A-20-1 | 65 |
| 124A-22-1 | 65 |
| 124A-24-1 | 65 |
| 124A-26-1 | 65 |
| 125-22-1 | 68 |
| 125-23-1 | 68 |
| 125-25-1 | 68 |
| 125-40-1 | 70 |
| 125-42-1 | 69 |
| 125-43-1 | 69 |
| 125-44-1 | 69 |
| 125-46-1 | 69 |

| ☪ | 📖 |
|---------------|----|
| 125-48-1 | 70 |
| 125-49-1 | 69 |
| 125-52-1 | 68 |
| 125-53-1 | 69 |
| 125-54-1 | 69 |
| 125-60-1 | 69 |
| 125-70-1 | 67 |
| 125-70-12DISP | 68 |
| 125501 | 67 |
| 126-10-1 | 65 |
| 126-11-1 | 65 |
| 126-12-1 | 65 |
| 126-14-1 | 65 |
| 126-16-1 | 65 |
| 126-18-1 | 65 |
| 126-20-1 | 65 |
| 126-24-1 | 65 |
| 129-10-4 | 68 |
| 129-101-4 | 73 |
| 129-108-4 | 72 |
| 129-12-4 | 68 |
| 129-172-4 | 73 |
| 129-23-4 | 70 |
| 129-33W-4 | 70 |
| 129-58-4 | 71 |
| 129-9H-4 | 66 |
| 129-9T-4 | 66 |
| 129A-103-4 | 72 |
| 129A-53-4 | 71 |
| 131-19-1 | 74 |
| 131-21-1 | 74 |
| 131-22-1 | 74 |
| 131-23-1 | 74 |
| 131-24-1 | 74 |
| 131-25-1 | 74 |
| 131-26-1 | 74 |
| 131-27-1 | 74 |
| 131-28-1 | 74 |
| 131-29-1 | 74 |
| 131-30-1 | 74 |
| 131-32-1 | 74 |
| 131-33-1 | 74 |
| 131-34-1 | 74 |
| 131-35-1 | 74 |
| 131-36-1 | 74 |
| 131-38-1 | 74 |
| 131-40-1 | 74 |
| 131-41-1 | 74 |
| 131-42-1 | 74 |
| 131-46-1 | 74 |
| 131-50-1 | 74 |
| 131-55-1 | 74 |
| 131-60-1 | 74 |
| 131B-19-2 | 75 |
| 131B-21-2 | 75 |
| 131B-22-2 | 75 |
| 131B-23-2 | 75 |
| 131B-24-2 | 75 |

| ☪ | 📖 |
|-----------|-----|
| 131B-26-2 | 75 |
| 131B-27-2 | 75 |
| 131B-29-2 | 75 |
| 131B-30-2 | 75 |
| 131B-32-2 | 75 |
| 131B-35-2 | 75 |
| 131B-36-2 | 75 |
| 131B-38-2 | 75 |
| 131B-41-2 | 75 |
| 131B-46-2 | 75 |
| 131B-50-2 | 75 |
| 132A-28-1 | 75 |
| 132A-30-1 | 75 |
| 132A-32-1 | 75 |
| 132A-34-1 | 75 |
| 132A-36-1 | 75 |
| 132A-40-1 | 75 |
| 132A-42-1 | 75 |
| 132A-44-1 | 75 |
| 132A-46-1 | 75 |
| 132A-48-1 | 75 |
| 132A-52-1 | 75 |
| 132A-54-1 | 75 |
| 132A-60-1 | 75 |
| 132A-64-1 | 75 |
| 135-21-1 | 75 |
| 135-22-1 | 75 |
| 135-24-1 | 75 |
| 135-40-1 | 76 |
| 135-42-1 | 75 |
| 135-43-1 | 76 |
| 135-46-1 | 76 |
| 135-52-1 | 76 |
| 135-70-1 | 75 |
| 135-85-1 | 75 |
| 139-17-4 | 76 |
| 139-21-4 | 76 |
| 139-21B-4 | 77 |
| 1467-A01 | 159 |
| 149-164-4 | 74 |
| 15-0607-1 | 45 |
| 15-0809-1 | 45 |
| 15-1011-1 | 45 |
| 15-12-W | 45 |
| 15-1213-1 | 45 |
| 15-1415-1 | 45 |
| 15-1617-1 | 45 |
| 15-1719-1 | 45 |
| 15-1819-1 | 45 |
| 15-2022-1 | 45 |
| 15-2123-1 | 45 |
| 15-2426-1 | 45 |
| 15-2427-1 | 45 |
| 15-2528-1 | 45 |
| 15-2729-1 | 45 |
| 15-3032-1 | 45 |
| 15-3236-2 | 45 |
| 15-3641-2 | 45 |

| ☰ | 📖 |
|----------|----|
| 15-8-H | 45 |
| 15-8-W | 45 |
| 160-07-1 | 77 |
| 160-08-1 | 77 |
| 160-10-1 | 77 |
| 160-11-1 | 77 |
| 160-12-1 | 77 |
| 160-13-1 | 77 |
| 160-14-1 | 77 |
| 160-15-1 | 77 |
| 160-16-1 | 77 |
| 160-17-1 | 77 |
| 160-18-1 | 77 |
| 160-19-1 | 77 |
| 160-20-1 | 77 |
| 160-21-1 | 77 |
| 160-24-1 | 77 |
| 161-10-1 | 77 |
| 161-13-1 | 77 |
| 161-17-1 | 77 |
| 162-00-1 | 78 |
| 162-02-1 | 78 |
| 162-50-1 | 78 |
| 162-60-1 | 78 |
| 162-65-1 | 78 |
| 162931 | 78 |
| 162941 | 78 |
| 167-08-1 | 79 |
| 167-10-1 | 79 |
| 167-10-4 | 79 |
| 167-11-4 | 80 |
| 167-12-1 | 79 |
| 167-13-1 | 79 |
| 167-14-1 | 79 |
| 167-15-1 | 79 |
| 167-16-1 | 79 |
| 167-17-1 | 79 |
| 167-18-1 | 79 |
| 167-19-1 | 79 |
| 167-20-1 | 79 |
| 167-21-1 | 79 |
| 167-22-1 | 79 |
| 167-23-1 | 79 |
| 167-24-1 | 79 |
| 167-26-1 | 79 |
| 167-27-1 | 79 |
| 167-30-1 | 79 |
| 167-32-1 | 79 |
| 167-34-1 | 79 |
| 167-36-1 | 79 |
| 167-38-1 | 79 |
| 167-41-1 | 79 |
| 167-9-4 | 79 |
| 168-10-1 | 80 |
| 168-11-1 | 80 |
| 168-13-1 | 80 |
| 168-14-1 | 80 |
| 168-14-4 | 80 |

| ☰ | 📖 |
|----------|----|
| 168-16-1 | 80 |
| 168-17-1 | 80 |
| 168-18-1 | 80 |
| 168-19-1 | 80 |
| 168-21-1 | 80 |
| 168-22-1 | 80 |
| 168-23-1 | 80 |
| 168-24-1 | 80 |
| 168-27-1 | 80 |
| 168-30-1 | 80 |
| 168-32-1 | 80 |
| 168-7-4 | 80 |
| 169-01-1 | 81 |
| 169-02-1 | 81 |
| 169-03-1 | 81 |
| 169-25-1 | 81 |
| 169-60-1 | 81 |
| 169-65-1 | 81 |
| 169921 | 81 |
| 169931 | 81 |
| 173-01-5 | 82 |
| 173-17-2 | 82 |
| 173-18-2 | 82 |
| 173-19-2 | 82 |
| 173-21-2 | 82 |
| 173-22-2 | 82 |
| 173-23-2 | 82 |
| 173-24-2 | 82 |
| 173-27-2 | 82 |
| 173-28-2 | 82 |
| 173-29-2 | 82 |
| 173-30-2 | 82 |
| 173-32-2 | 82 |
| 173-33-2 | 82 |
| 173-34-2 | 82 |
| 173-36-2 | 82 |
| 173-38-2 | 82 |
| 173-41-2 | 82 |
| 173-46-2 | 82 |
| 173-50-2 | 82 |
| 173-55-2 | 82 |
| 173-60-2 | 82 |
| 174-17-2 | 82 |
| 174-19-2 | 82 |
| 174-21-2 | 82 |
| 174-22-2 | 82 |
| 174-24-2 | 82 |
| 174-27-2 | 82 |
| 174-30-2 | 82 |
| 174-32-2 | 82 |
| 174-33-2 | 82 |
| 174-34-2 | 82 |
| 174-36-2 | 82 |
| 174-41-2 | 82 |
| 175-01-2 | 83 |
| 175-02-2 | 83 |
| 175-10-2 | 83 |
| 175-25-2 | 82 |

| ☰ | 📖 |
|----------|-------|
| 175-60-2 | 83 |
| 175-65-2 | 83 |
| 175911 | 82 |
| 177-10-5 | 83 |
| 177-22-2 | 83 |
| 177-24-2 | 83 |
| 177-27-2 | 83 |
| 177-30-2 | 83 |
| 177-32-2 | 83 |
| 177-33-2 | 83 |
| 177-34-2 | 83 |
| 177-36-2 | 83 |
| 177-38-2 | 83 |
| 177-41-2 | 83 |
| 177-42-2 | 83 |
| 177-46-2 | 83 |
| 177-50-2 | 83 |
| 177-55-2 | 83 |
| 177-60-2 | 83 |
| 177-65-2 | 83 |
| 177-70-2 | 83 |
| 177-75-2 | 83 |
| 177-80-2 | 83 |
| 178-22-2 | 84 |
| 178-24-2 | 84 |
| 178-27-2 | 84 |
| 178-30-2 | 84 |
| 178-32-2 | 84 |
| 178-33-2 | 84 |
| 178-34-2 | 84 |
| 178-36-2 | 84 |
| 178-38-2 | 84 |
| 178-41-2 | 84 |
| 178-46-2 | 84 |
| 178-50-2 | 84 |
| 178-55-2 | 84 |
| 178-60-2 | 84 |
| 179-00-2 | 84 |
| 179-01-2 | 84 |
| 179-02-2 | 84 |
| 179-52-2 | 84 |
| 179-65-2 | 84 |
| 179931 | 82-84 |
| 179941 | 84 |
| 18-06-1 | 41 |
| 18-07-1 | 41 |
| 18-08-1 | 41 |
| 18-09-1 | 41 |
| 18-10-1 | 41 |
| 18-11-1 | 41 |
| 18-12-1 | 41 |
| 18-12-H | 42 |
| 18-13-1 | 41 |
| 18-14-1 | 41 |
| 18-15-1 | 41 |
| 18-16-1 | 41 |
| 18-17-1 | 41 |
| 18-18-1 | 41 |

| | | |
|-----------|------------|----------|
| Q | Q | Q |
| 18-19-1 | 19-12-1 | 206831 |
| 18-21-1 | 19-12-H | 206841 |
| 18-22-1 | 19-13-1 | 206851 |
| 18-24-1 | 19-14-1 | 207-100 |
| 18-27-1 | 19-17-1 | 207-125 |
| 18-30-1 | 19-19-1 | 207-150 |
| 18-32-1 | 19-8-H | 207041 |
| 18-8-H | 190-10-135 | 207051 |
| 180-04-1 | 190-6-135 | 207061 |
| 180-05-1 | 190-7-135 | 207071 |
| 180-05X-1 | 190-8-135 | 216041 |
| 180-06-1 | 191-10-175 | 216051 |
| 180-06X-1 | 191-12-175 | 216061 |
| 180-07-1 | 191-13-175 | 216071 |
| 180-07X-1 | 191-6-150 | 217-50-B |
| 180-08-1 | 191-7-175 | 25-06-1 |
| 180-08X-1 | 191-8-175 | 25-06-2 |
| 180-10-1 | 201231 | 25-07-1 |
| 180-10X-1 | 201241 | 25-07-2 |
| 180-12-1 | 201251 | 25-08-1 |
| 180-12X-1 | 201261 | 25-08-2 |
| 180-14-1 | 201431 | 25-09-1 |
| 180-17-1 | 201451 | 25-09-2 |
| 180-19-1 | 201461 | 25-10-1 |
| 183-20-1 | 201471 | 25-10-2 |
| 183-25-1 | 202-100 | 25-100-2 |
| 183-27-1 | 202-125 | 25-11-1 |
| 183-30-1 | 202-150 | 25-11-2 |
| 183-40-1 | 202401 | 25-12-1 |
| 183-40X-1 | 202411 | 25-12-2 |
| 183-45-1 | 202421 | 25-12-H |
| 183-45X-1 | 202431 | 25-12-W |
| 183-50-1 | 202441 | 25-13-1 |
| 183-50X-1 | 202451 | 25-13-2 |
| 183-55-1 | 202461 | 25-14-1 |
| 183-55X-1 | 202511 | 25-14-2 |
| 183-60-1 | 202521 | 25-15-1 |
| 185-05-1 | 202541 | 25-15-2 |
| 185-06-1 | 202561 | 25-16-1 |
| 185-06X-1 | 202571 | 25-16-2 |
| 185-08-1 | 202581 | 25-17-1 |
| 185-08X-1 | 202661 | 25-17-2 |
| 185-10-1 | 202671 | 25-18-1 |
| 185-10X-1 | 202681 | 25-18-2 |
| 185-12-1 | 202761 | 25-19-1 |
| 185-12X-1 | 202771 | 25-19-2 |
| 185-14-1 | 202781 | 25-20-1 |
| 185-16-1 | 202811 | 25-20-2 |
| 18D-5-H | 202821 | 25-21-1 |
| 18S-08-1 | 202831 | 25-21-2 |
| 18S-10-1 | 202841 | 25-22-1 |
| 18S-13-1 | 206-100 | 25-22-2 |
| 18S-17-1 | 206-125 | 25-23-1 |
| 18S-19-1 | 206-150 | 25-23-2 |
| 18S-5-H | 206721 | 25-24-1 |
| 19-08-1 | 206741 | 25-24-2 |
| 19-10-1 | 206761 | 25-25-1 |
| 19-11-1 | 206821 | 25-25-2 |

| Q | 📖 |
|------------|----|
| 25-26-1 | 39 |
| 25-26-2 | 39 |
| 25-27-1 | 39 |
| 25-27-2 | 39 |
| 25-28-1 | 39 |
| 25-28-2 | 39 |
| 25-29-1 | 39 |
| 25-29-2 | 39 |
| 25-30-1 | 39 |
| 25-30-2 | 39 |
| 25-32-1 | 39 |
| 25-32-2 | 39 |
| 25-34-1 | 39 |
| 25-34-2 | 39 |
| 25-36-2 | 39 |
| 25-41-2 | 39 |
| 25-46-2 | 39 |
| 25-50-2 | 39 |
| 25-55-2 | 39 |
| 25-60-2 | 39 |
| 25-65-2 | 39 |
| 25-70-2 | 39 |
| 25-75-2 | 39 |
| 25-8-H | 40 |
| 25-80-2 | 39 |
| 25-85-2 | 39 |
| 25-90-2 | 39 |
| 25-95-2 | 39 |
| 254-1200-2 | 91 |
| 254-150-2 | 91 |
| 254-300-2 | 91 |
| 254-450-2 | 91 |
| 254-600-2 | 91 |
| 254-900-2 | 91 |
| 255011 | 90 |
| 255021 | 90 |
| 255031 | 90 |
| 255041 | 90 |
| 255051 | 90 |
| 256001 | 90 |
| 256011 | 90 |
| 256031 | 90 |
| 256041 | 90 |
| 256131 | 90 |
| 256141 | 90 |
| 256151 | 90 |
| 256161 | 90 |
| 256181 | 90 |
| 256201 | 90 |
| 256231 | 90 |
| 256241 | 90 |
| 256251 | 90 |
| 256261 | 90 |
| 256281 | 90 |
| 256301 | 90 |
| 256321 | 90 |
| 257-200-2 | 91 |
| 257-300-2 | 91 |

| Q | 📖 |
|-------------|-----|
| 257-400-2 | 91 |
| 257-500-2 | 91 |
| 257-600-2 | 91 |
| 258-100-2 | 90 |
| 258-120-2 | 90 |
| 258-160-2 | 90 |
| 258-200-2 | 90 |
| 258-250-2 | 90 |
| 258-300-2 | 90 |
| 25A-08-1 | 40 |
| 25A-08-2 | 40 |
| 25A-10-1 | 40 |
| 25A-10-2 | 40 |
| 25A-12-1 | 40 |
| 25A-12-2 | 40 |
| 25A-14-1 | 40 |
| 25A-14-2 | 40 |
| 25A-16-1 | 40 |
| 25A-16-2 | 40 |
| 25A-18-1 | 40 |
| 25A-18-2 | 40 |
| 25A-20-1 | 40 |
| 25A-20-2 | 40 |
| 25A-22-1 | 40 |
| 25A-22-2 | 40 |
| 25A-24-1 | 40 |
| 25A-24-2 | 40 |
| 25A-26-1 | 40 |
| 25A-26-2 | 40 |
| 25A-28-1 | 40 |
| 25A-28-2 | 40 |
| 25A-30-1 | 40 |
| 25A-30-2 | 40 |
| 25A-32-1 | 40 |
| 25A-32-2 | 40 |
| 25A-34-1 | 40 |
| 25A-36-1 | 40 |
| 25A-40-1 | 40 |
| 25A-44-1 | 40 |
| 25A-46-1 | 40 |
| 25A-48-1 | 40 |
| 25A-52-1 | 40 |
| 25A-58-1 | 40 |
| 25A-64-1 | 40 |
| 29-3550-2 | 49 |
| 29-5080-2 | 49 |
| 29-80120-2 | 49 |
| 29P-3550-2 | 49 |
| 29P-3550-A | 49 |
| 29P-5080-2 | 49 |
| 29P-5080-A | 49 |
| 29P-80120-2 | 49 |
| 29P-80120-A | 49 |
| 3.6SDR | 189 |
| 30-100-2 | 48 |
| 30-24-2 | 48 |
| 30-27-2 | 48 |
| 30-30-2 | 48 |

| Q | 📖 |
|------------|----|
| 30-32-2 | 48 |
| 30-34-2 | 48 |
| 30-36-2 | 48 |
| 30-38-2 | 48 |
| 30-41-2 | 48 |
| 30-46-2 | 48 |
| 30-50-2 | 48 |
| 30-55-2 | 48 |
| 30-60-2 | 48 |
| 30-65-2 | 48 |
| 30-70-2 | 48 |
| 30-75-2 | 48 |
| 30-80-2 | 48 |
| 30-85-2 | 48 |
| 30-90-2 | 48 |
| 30-95-2 | 48 |
| 302-210-2 | 94 |
| 302-260-2 | 94 |
| 302-310-2 | 94 |
| 302-365-2 | 94 |
| 302-465-2 | 94 |
| 302-615-2 | 94 |
| 302-900-2 | 94 |
| 302S-210-2 | 94 |
| 302S-260-2 | 94 |
| 302S-310-2 | 94 |
| 302S-365-2 | 94 |
| 302S-465-2 | 94 |
| 302S-615-2 | 94 |
| 302S-900-2 | 94 |
| 302T-210-2 | 94 |
| 302T-260-2 | 94 |
| 302T-310-2 | 94 |
| 302T-365-2 | 94 |
| 302T-465-2 | 94 |
| 302T-615-2 | 94 |
| 302T-900-2 | 94 |
| 303081 | 95 |
| 303111 | 95 |
| 303121 | 95 |
| 303131 | 95 |
| 303171 | 95 |
| 303201 | 95 |
| 303211 | 95 |
| 303221 | 95 |
| 303231 | 95 |
| 303241 | 95 |
| 303291 | 95 |
| 303301 | 95 |
| 303311 | 95 |
| 303321 | 95 |
| 303331 | 95 |
| 304-250-2 | 94 |
| 304-350-2 | 94 |
| 304-450-2 | 94 |
| 304-600-2 | 94 |
| 304-900-2 | 94 |
| 304F-250-2 | 94 |

| ☞ | ▣ |
|-------------|----|
| 304F-350-2 | 94 |
| 304F-450-2 | 94 |
| 304F-600-2 | 94 |
| 304F-900-2 | 94 |
| 304S-250-2 | 94 |
| 304S-350-2 | 94 |
| 304S-450-2 | 94 |
| 304S-600-2 | 94 |
| 304S-900-2 | 94 |
| 304T-250-2 | 94 |
| 304T-350-2 | 94 |
| 304T-450-2 | 94 |
| 304T-600-2 | 94 |
| 304T-900-2 | 94 |
| 307-1122-2 | 95 |
| 307-350-2 | 95 |
| 307-685-2 | 95 |
| 307-940-2 | 95 |
| 307S-1122-2 | 95 |
| 307S-350-2 | 95 |
| 307S-685-2 | 95 |
| 307S-940-2 | 95 |
| 31-30-2 | 48 |
| 31-32-2 | 48 |
| 31-36-2 | 48 |
| 31-41-2 | 48 |
| 31-46-2 | 48 |
| 31-50-2 | 48 |
| 31-55-2 | 48 |
| 31-60-2 | 48 |
| 31-65-2 | 48 |
| 31-70-2 | 48 |
| 31-75-2 | 48 |
| 31-80-2 | 48 |
| 31-85-2 | 48 |
| 321-42-1 | 96 |
| 321-BLADE-1 | 96 |
| 321161 | 96 |
| 321171 | 96 |
| 321281 | 96 |
| 321361 | 96 |
| 321501 | 96 |
| 321511 | 96 |
| 321551 | 96 |
| 330021 | 97 |
| 332-51-4 | 97 |
| 332-52-4 | 97 |
| 332S-030-2 | 97 |
| 333-003-2 | 97 |
| 333-004-2 | 97 |
| 333-006-2 | 97 |
| 333-008-2 | 97 |
| 333-010-2 | 97 |
| 333-012-2 | 97 |
| 333-014-2 | 97 |
| 333-016-2 | 97 |
| 333-018-2 | 97 |
| 333-020-2 | 97 |

| ☞ | ▣ |
|--------------|-----|
| 333-022-2 | 97 |
| 333-024-2 | 97 |
| 333-026-2 | 97 |
| 333-028-2 | 97 |
| 333-030-2 | 97 |
| 407-10-200 | 100 |
| 407-12-250 | 100 |
| 407-14-250 | 100 |
| 407-4-100 | 100 |
| 407-4-75 | 100 |
| 407-5.5-100 | 100 |
| 407-5.5-125 | 100 |
| 407-6.5-125 | 100 |
| 407-6.5-150 | 100 |
| 407-8-150 | 100 |
| 407-8-175 | 100 |
| 408-2.5-75 | 100 |
| 408-3-100 | 100 |
| 408-3-200 | 100 |
| 408-3-75 | 100 |
| 408-3.5-100 | 100 |
| 408-4-100 | 100 |
| 408-4-125 | 100 |
| 408-4-250 | 100 |
| 408-5.5-125 | 100 |
| 408-5.5-150 | 100 |
| 408-5.5-25 | 100 |
| 408-5.5-300 | 100 |
| 408-6.5-150 | 100 |
| 408-6.5-25 | 100 |
| 408V-2.5-100 | 104 |
| 408V-3-100 | 104 |
| 408V-3.5-100 | 104 |
| 408V-4-100 | 104 |
| 408V-5.5-125 | 104 |
| 408V-6.5-150 | 104 |
| 408V-8-175 | 104 |
| 409-0-75 | 101 |
| 409-1-100 | 101 |
| 409-1-25 | 101 |
| 409-1-250 | 101 |
| 409-2-125 | 101 |
| 409-2-25 | 101 |
| 409-2-300 | 101 |
| 409-3-150 | 101 |
| 409-4-200 | 101 |
| 409V-0-100 | 104 |
| 409V-1-150 | 104 |
| 409V-2-175 | 104 |
| 409V-3-200 | 104 |
| 413-0-75 | 101 |
| 413-1-100 | 101 |
| 413-1-25 | 101 |
| 413-2-125 | 101 |
| 413-2-25 | 101 |
| 413-3-150 | 101 |
| 413-4-200 | 101 |
| 413V-0-100 | 104 |

| ☞ | ▣ |
|-------------|-----|
| 413V-1-150 | 104 |
| 413V-2-175 | 104 |
| 413V-3-200 | 104 |
| 414-10-75 | 102 |
| 414-15-100 | 102 |
| 414-20-100 | 102 |
| 414-25-125 | 102 |
| 414-27-125 | 102 |
| 414-30-150 | 102 |
| 414-40-150 | 102 |
| 414-45-150 | 102 |
| 414-5-75 | 102 |
| 414-6-75 | 102 |
| 414-7-75 | 102 |
| 414-8-75 | 102 |
| 414-9-75 | 102 |
| 414V-10-100 | 104 |
| 414V-15-125 | 104 |
| 414V-20-125 | 104 |
| 414V-25-150 | 104 |
| 417-10-125 | 102 |
| 417-11-125 | 102 |
| 417-12-125 | 102 |
| 417-13-125 | 102 |
| 417-14-125 | 102 |
| 417-3.2-125 | 102 |
| 417-4-125 | 102 |
| 417-4.5-125 | 102 |
| 417-5-125 | 102 |
| 417-5.5-125 | 102 |
| 417-6-125 | 102 |
| 417-7-125 | 102 |
| 417-8-125 | 102 |
| 417-9-125 | 102 |
| 42-H10-200 | 108 |
| 42-H2-100 | 108 |
| 42-H2.5-100 | 108 |
| 42-H3-100 | 108 |
| 42-H4-150 | 108 |
| 42-H5-150 | 108 |
| 42-H6-200 | 108 |
| 42-H8-200 | 108 |
| 420-3-1 | 113 |
| 427411 | 110 |
| 429-03-1 | 111 |
| 429-04-1 | 111 |
| 429-10-1 | 111 |
| 42B-6-B | 109 |
| 42B-H10-200 | 109 |
| 42B-H3-100 | 109 |
| 42B-H4-150 | 109 |
| 42B-H5-150 | 109 |
| 42B-H6-200 | 109 |
| 42B-H8-200 | 109 |
| 45-00-1 | 114 |
| 45-01-1 | 114 |
| 45-02-1 | 114 |
| 45-03-1 | 114 |

| | | |
|------------|--------------|--------------|
| Q | Q | Q |
| 45-04-1 | 47-02-1 | 475-150T25-1 |
| 45-05-1 | 47-03-1 | 475-150T30-1 |
| 45-06-1 | 47-04-1 | 475-150T40-1 |
| 45-08-1 | 47-05-1 | 475-32-1 |
| 45-10-1 | 47-06-1 | 475-32-8DISP |
| 454-8-F | 47-08-1 | 475-32A-1 |
| 454-9-H | 47-10-1 | 475-4-1 |
| 454091 | 470-10.0-1 | 475-4.5-1 |
| 454101 | 470-12.0-1 | 475-5-1 |
| 454151 | 470-14.0-1 | 475-5.5-1 |
| 454201 | 470-5.5-1 | 475-50PH1-1 |
| 454251 | 470-6.5-1 | 475-50PH2-1 |
| 454271 | 470-8.0-1 | 475-50PH3-1 |
| 454301 | 470-H10-1 | 475-50PZ1-1 |
| 454401 | 470-H4-1 | 475-50PZ2-1 |
| 457-10-1 | 470-H5-1 | 475-50PZ3-1 |
| 457-15-1 | 470-H6-1 | 475-50T10-1 |
| 457-20-1 | 470-H7-1 | 475-50T15-1 |
| 457-25-1 | 470-H8-1 | 475-50T20-1 |
| 457-27-1 | 470-PH1-1 | 475-50T25-1 |
| 457-30-1 | 470-PH2-1 | 475-50T30-1 |
| 457-40-1 | 470-PH3-1 | 475-50T40-1 |
| 457-45-1 | 470-PH4-1 | 475-50T6-1 |
| 457-50-1 | 470-T20-1 | 475-50T8-1 |
| 457061 | 470-T25-1 | 475-6.0-1 |
| 457071 | 470-T27-1 | 475-6.5-1 |
| 457081 | 470-T30-1 | 475-61-1 |
| 457091 | 470-T40-1 | 475-70-3.0-1 |
| 457101 | 470-T45-1 | 475-70-3.5-1 |
| 457151 | 470-T50-1 | 475-70-5.5-1 |
| 457201 | 470-T55-1 | 475-70-6.5-1 |
| 457251 | 470011 | 475-70PH1-1 |
| 457271 | 470051 | 475-70PH2-1 |
| 457301 | 471-18-1 | 475-70PH3-1 |
| 457401 | 471011 | 475-70PZ1-1 |
| 457451 | 474M-1/4-1 | 475-70PZ2-1 |
| 457501 | 474M-10-1 | 475-70PZ3-1 |
| 458-02-1 | 474M-11-1 | 475-8.0-1 |
| 458-8-F | 474M-12-1 | 475-89PH1-1 |
| 458-9-H | 474M-13-1 | 475-89PH2-1 |
| 459-5-B | 474M-3/8-1 | 475-89PH3-1 |
| 459-6-C | 474M-5-H | 475-89PZ1-1 |
| 459-6A-C | 474M-5.5-1 | 475-89PZ2-1 |
| 459-6B-C | 474M-6-1 | 475-89PZ3-1 |
| 459-6C-C | 474M-7-1 | 475-89T10-1 |
| 459V-3-1 | 474M-8-1 | 475-89T15-1 |
| 459V-6-C | 474M-9-1 | 475-89T20-1 |
| 46-8-F | 474MR-10-1 | 475-89T25-1 |
| 46-9-H | 474MR-8-1 | 475-89T27-1 |
| 46-T10-100 | 475-1/4-125 | 475-89T30-1 |
| 46-T15-150 | 475-1/4F-160 | 475-89T40-1 |
| 46-T20-150 | 475-150PH1-1 | 475-9-1 |
| 46-T25-150 | 475-150PH2-1 | 475-H3-1 |
| 46-T30-200 | 475-150PZ1-1 | 475-H4-1 |
| 46-T40-200 | 475-150PZ2-1 | 475-H5-1 |
| 461-6-B | 475-150T10-1 | 475-H6-1 |
| 47-00-1 | 475-150T15-1 | 475-PH0-1 |
| 47-01-1 | 475-150T20-1 | 475-PH1-1 |

| ☉ | 📖 |
|---------------|-----|
| 475-PH2-1 | 119 |
| 475-PH2G-1 | 120 |
| 475-PH3-1 | 119 |
| 475-PZ0-1 | 120 |
| 475-PZ1-1 | 120 |
| 475-PZ2-1 | 120 |
| 475-PZ3-1 | 120 |
| 475-T10-1 | 121 |
| 475-T15-1 | 121 |
| 475-T20-1 | 121 |
| 475-T25-1 | 121 |
| 475-T27-1 | 121 |
| 475-T30-1 | 121 |
| 475-T40-1 | 121 |
| 475-T45-1 | 121 |
| 475-T5-1 | 121 |
| 475-T50-1 | 121 |
| 475-T6-1 | 121 |
| 475-T7-1 | 121 |
| 475-T8-1 | 121 |
| 475-T9-1 | 121 |
| 475-TR10-1 | 122 |
| 475-TR15-1 | 122 |
| 475-TR20-1 | 122 |
| 475-TR25-1 | 122 |
| 475-TR27-1 | 122 |
| 475-TR30-1 | 122 |
| 475-TR40-1 | 122 |
| 475A-25-1 | 125 |
| 475A-50-1 | 125 |
| 475A-50-1/2-1 | 125 |
| 475A-60QR-1 | 125 |
| 475A-75QR-1 | 125 |
| 475A-M-150-1 | 125 |
| 475A-M-50-1 | 125 |
| 475A-M-75-1 | 125 |
| 475D-PH1-1 | 123 |
| 475D-PH2-1 | 123 |
| 475D-PH3-1 | 123 |
| 475D-PZ1-1 | 123 |
| 475D-PZ2-1 | 123 |
| 475D-PZ3-1 | 123 |
| 475R-1/4-110 | 103 |
| 475R-1/4-30 | 103 |
| 475T-PH1-1 | 123 |
| 475T-PH2-2 | 123 |
| 475T-PH3-2 | 123 |
| 475T-PZ1-1 | 123 |
| 475T-PZ2-2 | 123 |
| 475T-PZ3-2 | 123 |
| 478-4-1 | 111 |
| 478-4-2 | 111 |
| 48-9-H | 116 |
| 48-9C-H | 113 |
| 48A-13-H | 116 |
| 5-100-1 | 36 |
| 5-100-2 | 36 |
| 5-100C-1 | 36 |

| ☉ | 📖 |
|-----------|-----|
| 5-150-1 | 36 |
| 5-150-2 | 36 |
| 5-150C-1 | 36 |
| 5-200-1 | 36 |
| 5-200-2 | 36 |
| 5-200C-1 | 36 |
| 5-250-1 | 36 |
| 5-250-2 | 36 |
| 5-250C-1 | 36 |
| 5-300-1 | 36 |
| 5-300-2 | 36 |
| 5-300C-1 | 36 |
| 5-375-2 | 36 |
| 5-375C-2 | 36 |
| 5-4-W | 37 |
| 5-450-2 | 36 |
| 5-450C-2 | 36 |
| 500-240-1 | 134 |
| 501-150-1 | 134 |
| 501-175-1 | 134 |
| 501-200-1 | 134 |
| 501-250-1 | 134 |
| 501-300-1 | 134 |
| 502-230-1 | 134 |
| 503-200-1 | 138 |
| 503-250-1 | 138 |
| 503-300-1 | 138 |
| 504-150-1 | 134 |
| 504-175-1 | 134 |
| 504-200-1 | 134 |
| 504-250-1 | 134 |
| 504-300-1 | 134 |
| 505-150-1 | 134 |
| 505-200-1 | 134 |
| 505-250-1 | 134 |
| 506-150-1 | 134 |
| 506-175-1 | 134 |
| 506-200-1 | 134 |
| 51-06-1 | 46 |
| 51-07-1 | 46 |
| 51-08-1 | 46 |
| 51-09-1 | 46 |
| 51-10-1 | 46 |
| 51-11-1 | 46 |
| 51-12-1 | 46 |
| 51-13-1 | 46 |
| 51-14-1 | 46 |
| 51-15-1 | 46 |
| 51-16-1 | 46 |
| 51-17-1 | 46 |
| 51-18-1 | 46 |
| 51-19-1 | 46 |
| 51-20-1 | 46 |
| 51-21-1 | 46 |
| 51-22-1 | 46 |
| 51-23-1 | 46 |
| 51-24-1 | 46 |
| 51-25-1 | 46 |

| ☉ | 📖 |
|-----------|-----|
| 51-26-1 | 46 |
| 51-27-1 | 46 |
| 51-28-1 | 46 |
| 51-29-1 | 46 |
| 51-30-1 | 46 |
| 51-32-1 | 46 |
| 51-8-W | 46 |
| 511-100-1 | 135 |
| 511-105-1 | 135 |
| 511-110-1 | 135 |
| 511-115-1 | 135 |
| 511-130-1 | 135 |
| 511-91-4 | 135 |
| 511-92-4 | 135 |
| 511501 | 138 |
| 512-010-1 | 135 |
| 512-012-1 | 135 |
| 513-002-1 | 135 |
| 513-003-1 | 135 |
| 513-004-1 | 135 |
| 513-005-1 | 135 |
| 513-006-1 | 135 |
| 513-008-1 | 135 |
| 513-010-1 | 135 |
| 513-91-4 | 136 |
| 513-92-4 | 136 |
| 514-002-1 | 135 |
| 514-003-1 | 135 |
| 514-004-1 | 135 |
| 514-005-1 | 135 |
| 514-006-1 | 135 |
| 515-002-1 | 136 |
| 515-003-1 | 136 |
| 515-004-1 | 136 |
| 515-005-1 | 136 |
| 515-006-1 | 136 |
| 515-007-1 | 136 |
| 515-008-1 | 136 |
| 515-009-1 | 136 |
| 515-010-1 | 136 |
| 515-91-4 | 137 |
| 516-002-1 | 136 |
| 516-003-1 | 136 |
| 516-004-1 | 136 |
| 516-005-1 | 136 |
| 516-006-1 | 136 |
| 516-008-1 | 136 |
| 517-120-1 | 137 |
| 517-130-1 | 137 |
| 517-135-1 | 137 |
| 517-140-1 | 137 |
| 517-145-1 | 137 |
| 517-150-1 | 137 |
| 517-91-4 | 137 |
| 518-004-1 | 137 |
| 518-006-1 | 137 |
| 519-91-4 | 136 |
| 519-92-4 | 137 |

| 🔍 | 📖 | 🔍 | 📖 | 🔍 | 📖 |
|-----------|-----|----------|-----|----------|-----|
| 519-93-4 | 138 | 525-32-2 | 140 | 529291 | 142 |
| 52-06-1 | 46 | 525-41-2 | 140 | 529611 | 143 |
| 52-07-1 | 46 | 525-42-2 | 140 | 529621 | 143 |
| 52-08-1 | 46 | 525-43-2 | 140 | 529631 | 143 |
| 52-09-1 | 46 | 525-61-2 | 140 | 529701 | 143 |
| 52-10-1 | 46 | 525-62-2 | 140 | 529711 | 143 |
| 52-11-1 | 46 | 525-71-2 | 140 | 529721 | 143 |
| 52-12-1 | 46 | 525-72-2 | 140 | 529751 | 143 |
| 52-13-1 | 46 | 525-81-2 | 140 | 529761 | 143 |
| 52-14-1 | 46 | 525-82-2 | 140 | 529771 | 143 |
| 52-15-1 | 46 | 525-91-2 | 140 | 529781 | 143 |
| 52-16-1 | 46 | 525-92-2 | 140 | 529791 | 143 |
| 52-17-1 | 46 | 526-31-2 | 141 | 529801 | 143 |
| 52-18-1 | 46 | 526-32-2 | 141 | 529811 | 143 |
| 52-19-1 | 46 | 526-41-2 | 141 | 529821 | 143 |
| 52-20-1 | 46 | 526-42-2 | 141 | 530-03-2 | 142 |
| 52-21-1 | 46 | 526-51-2 | 141 | 530-05-2 | 142 |
| 52-22-1 | 46 | 526-52-2 | 141 | 530-07-2 | 142 |
| 52-23-1 | 46 | 526-53-2 | 141 | 530-13-2 | 142 |
| 52-24-1 | 46 | 526-61-2 | 141 | 530-15-2 | 142 |
| 52-25-1 | 46 | 526-62-2 | 141 | 531-05-2 | 142 |
| 52-26-1 | 46 | 526-71-2 | 141 | 531-07-2 | 142 |
| 52-27-1 | 46 | 526-72-2 | 141 | 531-08-2 | 142 |
| 52-28-1 | 46 | 526-91-2 | 141 | 531-09-2 | 142 |
| 52-29-1 | 46 | 526-92-2 | 141 | 531-15-2 | 142 |
| 52-30-1 | 46 | 527-31-2 | 141 | 531-17-2 | 142 |
| 52-32-1 | 46 | 527-32-2 | 141 | 531-18-2 | 142 |
| 52-8-W | 46 | 527-33-2 | 141 | 531-19-2 | 142 |
| 520-13S-1 | 139 | 527-41-2 | 141 | 534251 | 172 |
| 520-41-2 | 139 | 527-43-2 | 141 | 534261 | 172 |
| 520-42-2 | 139 | 527-51-2 | 141 | 534281 | 172 |
| 520-43-2 | 139 | 527-52-2 | 141 | 534291 | 172 |
| 520-61-2 | 139 | 527-53-2 | 141 | 534311 | 173 |
| 520-63-2 | 139 | 527-61-2 | 141 | 534321 | 173 |
| 521-51-2 | 139 | 527-63-2 | 141 | 534341 | 173 |
| 521-52-2 | 139 | 527-71-2 | 141 | 534351 | 173 |
| 521-53-2 | 139 | 527-73-2 | 141 | 534371 | 173 |
| 521-54-2 | 139 | 527-81-2 | 141 | 534381 | 173 |
| 521-71-2 | 139 | 527-82-2 | 141 | 534401 | 173 |
| 521-73-2 | 139 | 527-83-2 | 141 | 534411 | 173 |
| 521-81-2 | 139 | 527-91-2 | 141 | 534501 | 173 |
| 521-82-2 | 139 | 527-93-2 | 141 | 534521 | 172 |
| 521-83-2 | 139 | 529021 | 143 | 534531 | 172 |
| 521-84-2 | 139 | 529031 | 143 | 534541 | 172 |
| 522-21-2 | 140 | 529041 | 143 | 534551 | 172 |
| 522-22-2 | 140 | 529061 | 143 | 534561 | 172 |
| 522-23-2 | 140 | 529071 | 143 | 534571 | 172 |
| 522-31-2 | 140 | 529081 | 143 | 534601 | 173 |
| 522-32-2 | 140 | 529091 | 143 | 534611 | 173 |
| 522-33-2 | 140 | 529101 | 143 | 534621 | 173 |
| 522-41-2 | 140 | 529151 | 143 | 534681 | 173 |
| 522-42-2 | 140 | 529161 | 143 | 534691 | 173 |
| 522-43-2 | 140 | 529171 | 143 | 534701 | 173 |
| 525-11-2 | 140 | 529181 | 143 | 534901 | 173 |
| 525-12-2 | 140 | 529191 | 143 | 534911 | 173 |
| 525-21-2 | 140 | 529251 | 142 | 534931 | 173 |
| 525-22-2 | 140 | 529261 | 142 | 534941 | 173 |
| 525-31-2 | 140 | 529271 | 142 | 536011 | 180 |

| ☪ | 📖 |
|------------|-----|
| 538-140-1 | 160 |
| 540021 | 180 |
| 540031 | 180 |
| 540041 | 180 |
| 540051 | 180 |
| 540061 | 180 |
| 540071 | 180 |
| 540081 | 180 |
| 540091 | 180 |
| 540101 | 180 |
| 540121 | 180 |
| 546-265-1 | 159 |
| 546-265-4 | 159 |
| 546-265-A | 159 |
| 546-265-B | 159 |
| 546021 | 159 |
| 546201 | 159 |
| 546211 | 159 |
| 546221 | 159 |
| 546251 | 159 |
| 548-275-1 | 159 |
| 548-275-M3 | 159 |
| 548-275-M4 | 159 |
| 548-275-M5 | 159 |
| 548-275-M6 | 159 |
| 549-230-2 | 180 |
| 550-80-4 | 180 |
| 551-HG-1 | 181 |
| 551-NOZ-1 | 181 |
| 560-41-1 | 182 |
| 560-41LP-1 | 181 |
| 560-BN-15 | 182 |
| 560-CA-10 | 182 |
| 560-CA-12 | 182 |
| 560-CA-14 | 182 |
| 560-HD-06 | 182 |
| 560-HD-08 | 182 |
| 560-HD-10 | 182 |
| 560-HD-12 | 182 |
| 560-HD-14 | 182 |
| 560-HT-1 | 182 |
| 560-HTS-1 | 181 |
| 560-LD-06 | 182 |
| 560-LD-08 | 182 |
| 560-LD-10 | 182 |
| 560-LD-12 | 182 |
| 560-LD-14 | 182 |
| 601-160-1 | 146 |
| 601-180-1 | 146 |
| 601-200-1 | 146 |
| 601-3-C | 147 |
| 601911 | 155 |
| 601M-125-1 | 148 |
| 601V-160-1 | 151 |
| 601V-180-1 | 151 |
| 601V-200-1 | 151 |
| 601V-3-C | 153 |
| 602-3-C | 147 |

| ☪ | 📖 |
|------------|-----|
| 604-160-1 | 146 |
| 604-180-1 | 146 |
| 604M-125-1 | 148 |
| 604V-160-1 | 151 |
| 608-160-1 | 147 |
| 612-160-1 | 146 |
| 612-200-1 | 146 |
| 612M-125-1 | 148 |
| 612V-160-1 | 152 |
| 612V-200-1 | 152 |
| 613-160-1 | 146 |
| 613-200-1 | 146 |
| 613V-160-1 | 152 |
| 613V-200-1 | 152 |
| 621551 | 155 |
| 621561 | 155 |
| 621571 | 155 |
| 621581 | 155 |
| 621591 | 155 |
| 621651 | 155 |
| 621661 | 155 |
| 621671 | 155 |
| 621681 | 155 |
| 621691 | 155 |
| 621751 | 155 |
| 621761 | 155 |
| 621771 | 155 |
| 621781 | 155 |
| 621791 | 155 |
| 621851 | 155 |
| 621861 | 155 |
| 621871 | 155 |
| 621881 | 155 |
| 621891 | 155 |
| 624-140-1 | 146 |
| 624-160-1 | 146 |
| 624-180-1 | 146 |
| 624M-125-1 | 148 |
| 624V-140-1 | 152 |
| 624V-160-1 | 152 |
| 625-180-1 | 146 |
| 625-200-1 | 146 |
| 625V-180-1 | 152 |
| 626M-125-1 | 149 |
| 629-160-1 | 149 |
| 629V-160-1 | 153 |
| 630-295T-4 | 151 |
| 630-5HD-4 | 151 |
| 630-61B1-4 | 150 |
| 630-B1-1 | 150 |
| 630-B2-1 | 150 |
| 630-B3-1 | 150 |
| 631-200-1 | 153 |
| 632-220-1 | 153 |
| 632-250-1 | 153 |
| 632-280-1 | 153 |
| 632D-250-1 | 154 |
| 634-200-1 | 147 |

| ☪ | 📖 |
|-----------------|-----|
| 634-250-1 | 147 |
| 634-300-1 | 147 |
| 634Q-250-1 | 147 |
| 634V-250-1 | 153 |
| 645011 | 158 |
| 645021 | 158 |
| 645031 | 158 |
| 645041 | 158 |
| 647-235-1 | 158 |
| 647-250-1 | 158 |
| 648-140-1 | 158 |
| 648-165-1 | 158 |
| 648-185-1 | 158 |
| 648-250-1 | 158 |
| 648-4-W | 158 |
| 64A-190-1 | 156 |
| 64A-235-1 | 156 |
| 64B-190-1 | 156 |
| 64B-235-1 | 156 |
| 64C-300-1 | 157 |
| 64CA-175-1 | 157 |
| 64CA-300-1 | 157 |
| 64CA-450-1 | 157 |
| 64CAD-300-1 | 157 |
| 64L-165-1 | 157 |
| 64T-300-1 | 157 |
| 64W-300-1 | 157 |
| 651101 | 154 |
| 651111 | 154 |
| 651121 | 154 |
| 651131 | 154 |
| 651141 | 154 |
| 651201N | 154 |
| 651201N2 | 154 |
| 651211N | 154 |
| 651211N2 | 154 |
| 651221N | 154 |
| 651221N2 | 154 |
| 651231N | 154 |
| 651231N2 | 154 |
| 651241N | 154 |
| 651241N2 | 154 |
| 655-160-1 | 149 |
| 655-200-1 | 149 |
| 658-250-1 | 156 |
| 659-250-1 | 156 |
| 660-250-1 | 156 |
| 661-140-1 | 162 |
| 661-140-12-DISP | 162 |
| 661051 | 162 |
| 661061 | 162 |
| 664-200-1 | 161 |
| 665-200-1 | 161 |
| 666-156-1 | 160 |
| 667-135-1 | 160 |
| 668-150-1 | 160 |
| 669-175-1 | 160 |
| 669-190-1 | 161 |

| 🔍 | 📖 |
|------------|---------|
| 670-178-1 | 161 |
| 671-150-1 | 161 |
| 672-220-1 | 161 |
| 701-130-1 | 164 |
| 701-130-B | 164 |
| 701-160-1 | 164 |
| 701-160-B | 164 |
| 701-160-K | 164 |
| 701-160-S | 164 |
| 701-200-1 | 164 |
| 701-200-B | 164 |
| 701-250-1 | 164 |
| 701-250-B | 164 |
| 701-250-K | 164 |
| 701-250-S | 164 |
| 701-350-1 | 164 |
| 701-350-B | 164 |
| 701-90-1 | 164 |
| 701-90-B | 164 |
| 701-90-K | 164 |
| 701-90-S | 164 |
| 702-40-1 | 164 |
| 702-40-B | 164 |
| 702-40-K | 164-165 |
| 702-40-P | 164-165 |
| 702-40-S | 164-165 |
| 702-65-1 | 164 |
| 702-65-K | 164-165 |
| 702-65-S | 164-165 |
| 702-80-1 | 164 |
| 702-80-K | 164-165 |
| 702-80-S | 164-165 |
| 703-40-1 | 165 |
| 703-40-B | 165 |
| 703-65-1 | 165 |
| 703-80-1 | 165 |
| 71-UN7-1 | 49 |
| 71-UN9-1 | 49 |
| 713001 | 165 |
| 713011 | 165 |
| 713511 | 165 |
| 713521 | 165 |
| 713531 | 165 |
| 713541 | 165 |
| 713611 | 165 |
| 716-5-1 | 166 |
| 716-8-1 | 166 |
| 716-M11-1 | 166 |
| 716-M14-1 | 166 |
| 716-M18-1 | 166 |
| 716-M6-1 | 166 |
| 716-M8-1 | 166 |
| 718211 | 166 |
| 718231 | 166 |
| 720-1M-413 | 167 |
| 720-3M-413 | 167 |
| 720-LM-1 | 167 |
| 720031 | 167 |

| 🔍 | 📖 |
|------------|-----|
| 722-4-1 | 162 |
| 730011 | 166 |
| 730131 | 166 |
| 7309-1-10 | 52 |
| 7309-1-11 | 52 |
| 7309-1-12 | 52 |
| 7309-1-13 | 52 |
| 7309-1-14 | 52 |
| 7309-1-17 | 52 |
| 7309-1-19 | 52 |
| 7309-1/2 | 53 |
| 7309-1/4 | 53 |
| 7309-125 | 52 |
| 7309-2-10 | 52 |
| 7309-2-11 | 52 |
| 7309-2-12 | 52 |
| 7309-2-13 | 52 |
| 7309-2-14 | 52 |
| 7309-2-17 | 52 |
| 7309-2-19 | 52 |
| 7309-2-22 | 52 |
| 7309-3/8 | 53 |
| 7309-30 | 52 |
| 7309-60 | 52 |
| 7314-1-13 | 53 |
| 7314-1-14 | 53 |
| 7314-1-17 | 53 |
| 7314-1-19 | 53 |
| 7314-1-22 | 53 |
| 7314-1-24 | 53 |
| 7314-1-27 | 53 |
| 7314-1-30 | 53 |
| 7314-1-32 | 53 |
| 7314-1/2 | 53 |
| 7314-2-13 | 53 |
| 7314-2-14 | 53 |
| 7314-2-17 | 53 |
| 7314-2-19 | 53 |
| 7314-2-22 | 53 |
| 7314-2-24 | 53 |
| 7314-2-27 | 53 |
| 7314-2-30 | 53 |
| 7314-2-32 | 53 |
| 7314-2-36 | 53 |
| 7314-2-41 | 53 |
| 7314-200 | 52 |
| 7314-335 | 52 |
| 740-016-2 | 168 |
| 740-020-2 | 168 |
| 740-022-2 | 168 |
| 740-025-2 | 168 |
| 740-030-2 | 168 |
| 740-035-2 | 168 |
| 740-040-2 | 168 |
| 740-050-2 | 168 |
| 740S-008-2 | 168 |
| 740S-010-2 | 168 |
| 740S-012-2 | 168 |

| 🔍 | 📖 |
|----------------|-----|
| 740S-014-2 | 168 |
| 796491 | 165 |
| 796501 | 165 |
| 796511 | 165 |
| 796521 | 165 |
| 796531 | 165 |
| 796541 | 165 |
| 796551 | 165 |
| 796561 | 165 |
| 796571 | 165 |
| 800-111-1 | 171 |
| 800-131-1 | 170 |
| 800-141-1 | 171 |
| 800-151-1 | 170 |
| 801-011-1 | 172 |
| 801-041-1 | 171 |
| 801-145-1 | 172 |
| 801101 | 171 |
| 802-2400-1 | 170 |
| 802-2423-1 | 170 |
| 802-2451-1 | 170 |
| 802-3000-1 | 170 |
| 802-3023-1 | 170 |
| 802-3051-1 | 170 |
| 802-3600-1 | 170 |
| 802-3623-1 | 170 |
| 802-3651-1 | 170 |
| 803-318-5 | 171 |
| 803-318-50 | 171 |
| 803-324-5 | 171 |
| 803-324-50 | 171 |
| 803-332-5 | 171 |
| 803-332-50 | 171 |
| 805-3-C | 144 |
| 806-6-B | 144 |
| 810-2264-4 | 172 |
| 902021 | 27 |
| 902031 | 27 |
| 902131 | 27 |
| 9021FTW520 | 24 |
| 9021FTW520-AC1 | 24 |
| 9021FTW520-AC2 | 24 |
| 9021FTW520-AC3 | 24 |
| 9021FTW520-AC4 | 24 |
| 9021FTW520-AC5 | 24 |
| 9021FTW520FF1 | 24 |
| 9022-1-16SB | 30 |
| 9022-1-19HB | 30 |
| 9022-2-16HB | 30 |
| 9022-2-19HB | 30 |
| 9022-3-10 | 34 |
| 9022-3-20 | 32 |
| 9022-3-20TS1 | 32 |
| 9022-3-20TS2 | 32 |
| 9022-3-30 | 33 |
| 9022-3-30TS1 | 33 |
| 9022-3-30TS2 | 33 |
| 9022-3-40 | 33 |

| ☪ | 📖 |
|--------------|-----|
| 9022-3-40TS1 | 33 |
| 9022-3-40TS2 | 33 |
| 9022-3-50 | 34 |
| 9022-3-50TS1 | 34 |
| 9022-4-26 | 31 |
| 9022-4-26TS1 | 32 |
| 9022-4-35 | 31 |
| 9022-4-35TS1 | 32 |
| 9022-BP1 | 31 |
| 9022-BPW | 31 |
| 9023PT565 | 29 |
| 9023PT565TS1 | 29 |
| 9024-1TS1 | 28 |
| 9024-1TS145 | 28 |
| 9062-1500-1 | 26 |
| 9062-1800-1 | 26 |
| 9062-CAST-1 | 26 |
| 9062-FIX-1 | 26 |
| 9062-HOOK-1 | 26 |
| 9062-P1500-1 | 26 |
| 9062-P1800-1 | 26 |
| 9062FWB160 | 27 |
| 9063FT90 | 25 |
| 9063HT150 | 25 |
| 9063HT150FI | 25 |
| 9063HT150SW | 25 |
| 9063HT300 | 25 |
| 9063HT300FI | 25 |
| 9063HT300SW | 25 |
| 9064-15 | 14 |
| 9064AC01 | 14 |
| 9064K-02 | 25 |
| 9064K-02T | 25 |
| 9065K4 | 14 |
| 9066K-01 | 14 |
| 9066K-02 | 14 |
| 9066K-03 | 14 |
| 9066K-05 | 14 |
| 9066K-06 | 14 |
| 9066K5 | 14 |
| 9066K6 | 14 |
| 9066K6FF100 | 15 |
| 9066K6FF101 | 16 |
| 9066K7 | 14 |
| 9066K7FF102 | 17 |
| 910-152DISP | 107 |
| 910-83DISP | 107 |
| 910V-72DISP | 108 |
| 971-13-1 | 178 |
| 971-20-1 | 178 |
| 972-52-1 | 178 |
| 980-20S-1 | 177 |
| 980-3-1 | 176 |
| 980-3B-1 | 176 |
| 980-5-1 | 176 |
| 980-5-25-1 | 176 |
| 980-5B-1 | 176 |
| 980-5W-1 | 177 |

| ☪ | 📖 |
|----------------|-----|
| 980-8B-1 | 176 |
| 980-TP2-1 | 176 |
| 980HV-3-1 | 176 |
| 980HV-5-1 | 176 |
| 981-1000-1 | 174 |
| 981-1200-1 | 174 |
| 981-1500-1 | 174 |
| 981-1800-1 | 174 |
| 981-2000-1 | 174 |
| 981-400-1 | 174 |
| 981-400M-1 | 174 |
| 981-600-1 | 174 |
| 981-600M-1 | 174 |
| 981-800-1 | 174 |
| 981-SET | 175 |
| 982-10-1 | 175 |
| 982-40-1 | 174 |
| 982-4M-1 | 174 |
| 982-60-1 | 174 |
| 982-6M-1 | 174 |
| 982-80-1 | 174 |
| 982-SET | 175 |
| 982-TOR-1 | 175 |
| 983-25-1 | 175 |
| 984-6-1 | 179 |
| 984-6D-1 | 179 |
| 985-2-1 | 177 |
| 991-200-1 | 178 |
| 991-250-1 | 178 |
| 991-300-1 | 178 |
| 991-400-1 | 178 |
| 993-150-1 | 178 |
| 993-300-1 | 178 |
| 993-400-1 | 178 |
| CEE-COUNT-IR-1 | 193 |
| IFF1A001 | 18 |
| IFF1A002 | 18 |
| IFF1A003 | 18 |
| IFF1A004 | 19 |
| IFF1A005 | 19 |
| IFF1A006 | 19 |
| IFF1A007 | 20 |
| IFF1E001 | 20 |
| IFF1E002 | 20 |
| IFF1E003 | 20 |
| IFF1E004 | 20 |
| IFF1E005 | 20 |
| IFF1E006 | 20 |
| IFF1E007 | 21 |
| IFF1E008 | 21 |
| IFF1E009 | 21 |
| IFF1E010 | 21 |
| IFF1E011 | 21 |
| IFF1E012 | 21 |
| IFF1E013 | 22 |
| IFF1E014 | 22 |
| IFF1E015 | 22 |
| IFF1E016 | 22 |

| ☪ | 📖 |
|-----------------|-------------|
| IFF1E017 | 22 |
| IFF1E018 | 22 |
| IFF1E019 | 23 |
| IFF1E021 | 23 |
| IFF1E023 | 23 |
| IFF1E024 | 23 |
| IFF1E025 | 23 |
| L-ALUM-1 | 185 |
| L-ALUM-12DISP | 185 |
| L-BOOK-1 | 186 |
| L-COMP-1 | 184 |
| L-FLEX-1 | 184 |
| L-FRONT-1 | 186 |
| L-HEAD-1 | 186 |
| L-MINI-1 | 185 |
| L-PEN-1 | 185 |
| L-POCK-1 | 185 |
| L-SLIM-1 | 184 |
| LT-420-1 | 179 |
| MEE-1S2L-B-I | 190-191 |
| MEE-BANNER-I | 192 |
| MEE-COR-1L-B-I | 191 |
| MEE-COR-LIGHT-I | 191 |
| MEE-COUNT-IR-1 | 193 |
| MEE-COUNT-IR-2 | 107-108-193 |
| MEE-COUNT-IR-3 | 107-193 |
| MEE-DB-W-NL | 192 |
| MEE-LIGHTBOX-I | 191 |
| MEE-SA-SS-IR | 193 |
| MEE-SIGN-CARR-I | 191 |
| MEE-TR-W-I | 192 |
| P-IW-12 | 187 |
| P-IW-12C | 187 |
| P-IW-12P | 187 |
| P-IW-34 | 187 |
| P218 | 188 |
| P254 | 189 |
| P255 | 189 |
| P700 | 188 |
| P821 | 188 |
| PEE-COUNT-006 | 193 |
| PEE-METHACRYL-I | 192 |
| PEE-PC-IR-1 | 193 |
| PEE-SIGN-DB-W-2 | 192 |
| PEE-TOPSIGN-I | 192 |
| PM5002 | 188 |
| PM5003 | 188 |
| PM5012 | 188 |
| PM5013 | 188 |
| PM5142 | 188 |
| PM5143 | 188 |
| PM5152 | 188 |
| PM5153 | 188 |
| PM5248 | 188 |
| PN251 | 188 |
| PPOS-A4-STICK-I | 193 |
| T49 | 132 |
| T4901 | 130 |

| Q | ▯ |
|----------|----------|
| T4902 | 130 |
| T49H10 | 130 |
| T49H10L | 130 |
| T49H10XL | 130 |
| T49H12 | 130 |
| T49H12L | 130 |
| T49H14 | 130 |
| T49H4 | 130 |
| T49H4L | 130 |
| T49H5 | 130 |
| T49H5L | 130 |
| T49H6 | 130 |
| T49H6L | 130 |
| T49H7 | 130 |
| T49H7L | 130 |
| T49H8 | 130 |
| T49H8L | 130 |
| T49M10 | 131 |
| T49M10L | 131 |
| T49M12 | 131 |
| T49M12L | 131 |
| T49M14 | 131 |
| T49M5 | 131 |
| T49M5L | 131 |
| T49M6 | 131 |
| T49M6L | 131 |
| T49M8 | 131 |
| T49M8L | 131 |
| T49SQ10 | 131 |
| T49SQ8 | 131 |
| T49T20 | 130 |
| T49T20H | 131 |
| T49T20HL | 131 |

| Q | ▯ |
|----------|----------|
| T49T20L | 130 |
| T49T25 | 130 |
| T49T25H | 131 |
| T49T25HL | 131 |
| T49T25L | 130 |
| T49T27 | 130 |
| T49T27H | 131 |
| T49T27HL | 131 |
| T49T27L | 130 |
| T49T30 | 130 |
| T49T30H | 131 |
| T49T30HL | 131 |
| T49T30L | 130 |
| T49T30XL | 67-132 |
| T49T40 | 130 |
| T49T40H | 131 |
| T49T40HL | 131 |
| T49T40L | 130 |
| T49T40XL | 67-132 |
| T49T45 | 130 |
| T49T45H | 131 |
| T49T45HL | 131 |
| T49T45L | 130 |
| T49T45XL | 67-132 |
| T49T50 | 130 |
| T49T50H | 131 |
| T49T50HL | 131 |
| T49T50L | 130 |
| T49T55 | 130 |
| T49T55H | 131 |
| T49T55HL | 131 |
| T49T55L | 130 |
| T49T55XL | 130 |

| Q | ▯ |
|----------|----------|
| T49T60 | 130 |
| T49T60H | 131 |
| T49T60HL | 131 |
| T49T60L | 130 |
| T49T70HL | 67-132 |
| T49T80HL | 67-132 |
| WB-300-2 | 138 |
| WB-500-2 | 138 |
| WB-625-2 | 138 |
| WB-710-2 | 138 |
| WB-900-2 | 138 |
| ZH1100 | 166 |
| ZH1101 | 166 |
| ZH1102 | 166 |
| ZH1103 | 166 |
| ZH1104 | 166 |
| ZH1105 | 166 |
| ZH1106 | 166 |
| ZH1107 | 166 |
| ZH1108 | 166 |
| ZH1109 | 166 |
| ZH1110 | 166 |
| ZH1111 | 166 |
| ZH1112 | 166 |
| ZH1113 | 166 |
| ZH1114 | 166 |
| ZH1115 | 166 |
| ZH70610 | 168 |
| ZH70611 | 168 |
| ZH70612 | 168 |
| ZH70613 | 168 |
| ZH70614 | 168 |

HEXAGONAL FEMALE SCREWS

| | mm. | | | | | | | U.S.A. | | | G.B. | |
|-----|---------------------|----------|----------|-------------|-------|-------|------------------|-----------|--------------|----------------|----------------|--|
| | DIN 912 DIN 6912 | DIN 7984 | DIN 7991 | DIN 913-916 | | | USAS B 18-3-1969 | | | BS 2470-1954 | | |
| | | | | | | | | | | | | |
| mm | mm | mm | mm | mm | inch | mm | inch | inch | inch | inch | inch | |
| 1.5 | 1.6-2 | | 2.5 | 3 | 1/16" | 1.59 | Nº 1 | Nº 3-Nº 4 | Nº 5-Nº 6 | 6 BA | 5 BA-4 BA | |
| 2 | 2.5 | | 3 | 4 | 5/64" | 1.98 | Nº 2-Nº 3 | Nº 5-Nº 6 | Nº 8 | 5 BA-4 BA | 3 BA | |
| 2.5 | 3 | | 3.5-4 | 5 | 3/32" | 2.38 | Nº 4-Nº 5 | Nº 8 | Nº 10 | | 3/16-2 BA-1 BA | |
| 3 | 4 | 5 | 5 | 6 | 7/64" | 2.78 | Nº 6 | | 1/4" | | 0 BA-1/4 | |
| 4 | 5 | 6 | 6 | 8 | 1/8" | 3.17 | | | | | | |
| 5 | 6 | 8 | 8 | 10 | 9/64" | 3.57 | Nº 8 | | | | | |
| 6 | 8 | | 10 | 12 | 5/32" | 3.97 | Nº 10 | 1/4" | 5/16" | 3/16-2 BA-1 BA | 5/16 | |
| 7 | 10 | 10 | 12 | 16 | 3/16" | 4.75 | 1/4 | 5/16" | 3/8" | 1/4-0 BA | 3/8-BSP 1/8 | |
| 8 | 12 | 12 | 16 | | 7/32" | 5.55 | | 3/8" | 7/16" | 5/16" | 7/16 | |
| 9 | | | | | 1/4" | 6.35 | 5/16" | 7/16" | 1/2" | | 1/2-BSP 1/4 | |
| 10 | 12 | | 14-16 | 20 | 5/16" | 7.94 | 3/8" | 1/2" | 5/8" | 3/8-7/16" | 5/8-BSP 3/8 | |
| 12 | 14 | 16-18 | 18-20 | 24 | 3/8" | 9.52 | 7/16-1/2" | 5/8" | 3/4" | 1/2" | 3/4-BSP 1/2 | |
| 14 | 16-18 | 20-22 | | | 1/2" | 12.70 | | | 7/8" | 5/8" | 7/8-BSP 5/8 | |
| 17 | 20-22 | 24 | | | 9/16" | 14.29 | | | 1" | 1-1/8" | 1-BSP 3/4 | |
| 19 | 24-27 | | | | 5/8" | 15.88 | | | 1 1/4-1 3/8" | 1" | | |
| 22 | 30 | | | | 3/4" | 19.05 | | | 1 1/2" | | | |

THREAD DIAMETERS AND DIAMETER/KEYS

| | mm. | | | | | | | UNIFIED | | | U.S.A. | | | G.B. | | |
|-----|-----------------|-------------------|-----------------|-------------------|-------------------|----------|--------|---------|---------|---------|----------------------------|-------------|-------------|--------|-------------|---------------------|
| | ISO 972 1982 | UNE 17052 1978 | DIN 931 1970 | NFE 27111 1930 | DS 2074-5 1988 | | | BS 1769 | BS 1768 | BS 1768 | ASAB 18-2.2 ASAB 18-2.1 | ASAB 18-2.1 | ASAB 18-2.2 | | BS 916-1083 | BA BS 57W BS 192 |
| | | | | | | A.F. | mm | | | | | | | | | |
| mm | | | | | | | | | | | | | inch | mm | | |
| 3.2 | 1.6 | 1.6 | 1.6 | | | 3/32" | 2.38 | | | | | | 0.117 | 2.97 | | 10 BA |
| 3.5 | | | 1.7 | | | 1/8" | 3.17 | | | | | | 0.131 | 3.32 | | 9 BA |
| 4 | 2 | 2 | 2 | 2.5 | | 5/32" | 3.97 | | | | | | 0.172 | 4.37 | | 7 BA |
| 4.5 | | | 2.3 | | | | | | | | | | 0.193 | 4.90 | | 6 BA |
| 5 | 2.5 | 2.5 | 2.6 | 3 | | 3/16" | 4.76 | | | | | | 0.220 | 5.59 | | 5 BA |
| 5.5 | 3 | 3 | 3 | 3.5 | | 7/32" | 5.56 | | | | | | 0.248 | 6.30 | | 4 BA |
| 6 | 3 | 3 | 3.5 | 4-4.5 | | 1/4" | 6.35 | | | | | | 0.282 | 7.16 | | 3 BA |
| 7 | 4 | 4 | 4 | 5 | | 9/32" | 7.14 | | | | | | 0.324 | 8.23 | | 2 BA |
| 8 | 5 | 5 | 5 | 5.5 | | 5/16" | 7.94 | | | | | | 0.340 | 8.64 | 3/16" | 1/8 W |
| 9 | | | | | | 11/32" | 8.73 | | | | | | 0.365 | 9.27 | | 1 BA |
| 10 | 6 | 6 | 6 | 6 | | 3/8" | 9.52 | | | | | | 0.413 | 10.49 | | 0 BA |
| 11 | 7 | 7 | 7 | 7 | 1/4" | 7/16" | 11.11 | | 1/4" | 1/4" | | 1/4" | 0.445 | 11.30 | 1/4" | 3/16 W |
| 12 | | | | | | | | | | | | | | | | |
| 13 | 8 | 8 | 8 | 8 | | 1/2" | 12.70 | 1/4" | 5/16" | 5/16" | 1/4" | 5/16" | 0.525 | 13.34 | 5/16" | 1/4 W |
| 14 | | | | | | 9/16" | 14.29 | 5/16" | 3/8" | 3/8" | 5/16" | 5/16" | 0.600 | 15.24 | 3/8" | 5/16 W |
| 15 | | | | | | 19/32" | 15.08 | | | | | | | | | |
| 16 | 10 | 10 | 10 | 9 | | 5/8" | 15.88 | | | | | | | | | |
| 17 | | | | 10 | | | | | 7/16" | | | | | | | |
| 18 | 12 | 12 | 12 | 11 | | 11/16" | 17.46 | 3/8" | 7/16" | 7/16" | 3/8" | 7/16" | 0.710 | 18.03 | 7/16" | 3/8 W |
| 19 | | | | 12 | | 3/4" | 19.05 | 7/16" | 1/2" | 1/2" | 7/16" | 1/2" | | | | |
| 21 | 14 | 14 | 14 | 12 | | 13/16" | 20.64 | 1/2" | 9/16" | 9/16" | 1/2" | 9/16" | 0.820 | 20.83 | 1/2" | 7/16 W |
| 22 | | | | | | 7/8" | 22.22 | | | | | | | | | |
| 23 | | | | 14 | | | | | | | | | | | | |
| 24 | 16 | 16 | 16 | 16 | | 15/16" | 23.81 | | 5/8" | 5/8" | 9/16" | 5/8" | 0.920 | 23.37 | 9/16" | 1/2 W |
| 26 | | | | | | 1" | 25.40 | | | | | | 1.010 | 25.65 | 5/8" | 9/16 W |
| 27 | | | | | | | | | | | | | | | | |
| 28 | 18 | 18 | 18 | 18 | | 1 1/16" | 26.99 | 5/8" | | | 5/8" | | 1.100 | 27.94 | 11/16" | 5/8 W |
| 29 | | | | | | 1 1/8" | 28.58 | | 3/4" | 3/4" | | 3/4" | | | | |
| 30 | 20 | 20 | 20 | 20 | | 1 3/16" | 30.16 | | | | | | 1.200 | 30.48 | 3/4" | 11/16 W |
| 32 | | | | | | 1 1/4" | 31.75 | 3/4" | | | 3/4" | | | | | |
| 34 | 22 | 22 | 22 | 20 | 3/4" | 1 5/16" | 33.34 | | 7/8" | 7/8" | | 7/8" | 1.300 | 33.02 | 7/8" | 3/4 W |
| 35 | | | | 22 | | 1 3/8" | 34.92 | | | | | | 1.390 | 35.31 | 15/16" | 13/16 W |
| 36 | 24 | 24 | 24 | 24 | | 1 7/8" | 36.51 | 7/8" | | | 7/8" | | | | | |
| 38 | | | | 24 | 7/8" | 1 1/2" | 38.10 | | 1" | 1" | | 1" | 1.480 | 37.59 | 1" | 7/8 W |
| 41 | 27 | 27 | 27 | 27 | 1" | 1 5/8" | 41.28 | 1" | | | 1" | | | | | |
| 42 | | | | | | 1 11/16" | 42.86 | | 1 1/8" | 1 1/8" | | 1 1/8" | 1.670 | 42.42 | 1 1/8" | 1 W |
| 46 | 30 | 30 | 30 | 30 | 1 1/8" | 1 3/4" | 44.45 | | | | | | | | | |
| 46 | | | | | | 1 13/16" | 46.04 | 1 1/8" | | | 1 1/8" | | | | | |
| 50 | 33 | 33 | 33 | 33 | 1 1/4" | 1 7/8" | 47.62 | | 1 1/4" | 1 1/4" | | 1 1/4" | 1.860 | 47.24 | 1 1/4" | 1 1/8 W |
| 54 | | | | | | 2" | 50.80 | 1 1/4" | | | 1 1/4" | | | | | |
| 55 | 36 | 36 | 36 | 36 | 1 3/8" | 2 1/16" | 52.39 | | 1 3/8" | 1 3/8" | | 1 3/8" | 2.050 | 52.07 | 1 3/8" | 1 1/4 W |
| 58 | | | | | | 2 3/16" | 55.56 | 1 3/8" | | | 1 3/8" | | | | | |
| 60 | 39 | 39 | 39 | 39 | 1 3/8" | 2 1/4" | 57.17 | | 1 1/2" | 1 1/2" | | 1 1/2" | 2.220 | 56.39 | 1 1/2" | 1 3/8 W |
| 63 | | | | | | | | | | | | | | | | |
| 65 | 42 | 42 | 42 | 42 | 1 1/2" | 2 3/8" | 60.32 | 1 1/2" | | | 1 1/2" | | 2.410 | 61.21 | 1 5/8" | 1/2 W |
| 67 | | | | | | 2 7/16" | 61.91 | | | | | 1 5/8" | | | | |
| 70 | 45 | 45 | 45 | 45 | 1 5/8" | 2 9/16" | 65.09 | | | | 1 5/8" | | 2.580 | 65.53 | 1 3/4" | 1 5/8 W |
| 71 | | | | | | | | | | | | | | | | |
| 75 | 48 | 48 | 48 | 48 | 1 3/4" | 2 5/8" | 66.68 | 1 3/4" | 1 3/4" | 1 3/4" | | 1 3/4" | 2.760 | 70.10 | 2" | 1 3/4 W |
| 77 | | | | | | 2 3/4" | 69.85 | | | | 1 3/4" | 1 7/8" | | | | |
| 80 | 52 | 52 | 52 | 52 | 1 7/8" | 2 13/16" | 71.44 | | | | 1 7/8" | | | | | |
| 82 | | | | | | 2 15/16" | 74.61 | | 2" | 2" | | 2" | | | | |
| 85 | | | | | | 3" | 76.20 | | | | | | 3.150 | 76.70 | 2 1/4" | 1 7/8 W |
| 88 | 56 | 56 | 56 | 56 | 2" | 3 1/8" | 79.38 | 2" | | | | | | 80.01 | 2 W | |
| 88 | | | | | | | | | | | | | | | | |
| 90 | 56 | 56 | 56 | 60 | 2 1/4" | 3 3/8" | 85.72 | | | | | 2 1/4" | | | | |
| 94 | | | | | | 3 1/2" | 88.90 | | | | | | | | | |
| 95 | 60 | 60 | 60 | 64 | | | | | | | | | 3.550 | 90.17 | 2 1/2" | |
| 100 | 68 | 68 | 68 | 68 | 2 1/2" | 3 3/4" | 95.25 | | | | | 2 1/2" | | | | |
| 105 | 72 | 72 | 72 | 72 | | 3 7/8" | 98.42 | | | | | | | | | |
| 110 | 76 | 76 | 76 | 76 | 2 3/4" | 4 1/8" | 104.78 | | | | 2 1/2" | | 3.890 | 98.81 | 2 3/4" | 3" |
| 110 | | | | | 3" | 4 1/4" | 107.95 | | | | 2 3/4" | | 4.180 | 106.17 | | |
| 115 | 80 | 80 | 80 | 80 | | | | | | | | 3" | 4.530 | 115.06 | 3 1/4" | |
| 116 | | | | | | | | | | | | | | | | |
| 120 | 85 | 85 | 85 | 80 | 3 1/4" | 4 5/8" | 117.48 | | | | | | 4.850 | 123.19 | 3 1/2" | |

| inch. | mm | inch. | mm | inch. | mm |
|--------|---------|--------|---------|---------|-----------|
| .0039 | 0.1000 | .0512 | 14.0000 | 1.8898 | 48.0000 |
| .0079 | 0.2000 | 9/16" | 14.2875 | 1.9291 | 49.0000 |
| .0118 | 0.3000 | .05709 | 14.5000 | 1.9685 | 50.0000 |
| 1/64" | 0.1566 | 37/64" | 14.6844 | 2.0000 | 50.8000 |
| .0157 | 0.4000 | .05906 | 15.0000 | 2.0079 | 51.0000 |
| .0197 | 0.5000 | 19/32" | 15.0813 | 2.0472 | 52.0000 |
| .0236 | 0.6000 | 39/64" | 15.4781 | 2.0866 | 53.0000 |
| .0276 | 0.7000 | .06102 | 15.5000 | 2.1260 | 54.0000 |
| 1/32" | 0.0313 | 5/8" | 15.8750 | 2.1654 | 55.0000 |
| .0315 | 0.8000 | .06299 | 16.0000 | 2.2047 | 56.0000 |
| .0354 | 0.9000 | 41/64" | 16.2719 | 2.2441 | 57.0000 |
| .0394 | 1.0000 | .06496 | 16.5000 | 2.2500 | 57.1500 |
| .0433 | 1.1000 | 21/32" | 16.6688 | 2.2835 | 58.0000 |
| 3/64" | 0.0469 | .06693 | 17.0000 | 2.3228 | 59.0000 |
| .0472 | 1.2000 | 43/64" | 17.0656 | 2.3622 | 60.0000 |
| .0512 | 1.3000 | 11/16" | 17.4625 | 2.4016 | 61.0000 |
| .0551 | 1.4000 | .06890 | 17.5000 | 2.4409 | 62.0000 |
| .0591 | 1.5000 | 45/64" | 17.8594 | 2.4803 | 63.0000 |
| 1/16" | 0.0625 | .07087 | 18.0000 | 2.5000 | 63.5000 |
| .0630 | 1.6000 | 23/32" | 18.2563 | 2.5197 | 64.0000 |
| .0669 | 1.7000 | .07283 | 18.5000 | 2.5591 | 65.0000 |
| .0709 | 1.8000 | 47/64" | 18.6531 | 2.5984 | 66.0000 |
| .0748 | 1.9000 | .07480 | 19.0000 | 2.6378 | 67.0000 |
| 5/64" | 0.0781 | 3/4" | 19.0500 | 2.6772 | 68.0000 |
| .0787 | 2.0000 | 49/64" | 19.4469 | 2.7165 | 69.0000 |
| .0827 | 2.1000 | .07677 | 19.5000 | 2.7500 | 69.8500 |
| .0866 | 2.2000 | 25/32" | 19.8438 | 2.7559 | 70.0000 |
| .0906 | 2.3000 | .07874 | 20.0000 | 2.7953 | 71.0000 |
| 3/32" | 0.0938 | 51/64" | 20.2406 | 2.8346 | 72.0000 |
| .0945 | 2.4000 | .08071 | 20.5000 | 2.8740 | 73.0000 |
| .0984 | 2.5000 | 13/16" | 20.6375 | 2.9134 | 74.0000 |
| 7/64" | 0.1094 | .08268 | 21.0000 | 2.9528 | 75.0000 |
| .1181 | 3.0000 | 53/64" | 21.0344 | 2.9921 | 76.0000 |
| 1/8" | 0.1250 | 27/32" | 21.4313 | 3.0000 | 76.2000 |
| .1378 | 3.5000 | .08438 | 21.5000 | 3.0315 | 77.0000 |
| 9/64" | 0.1406 | 55/64" | 21.8281 | 3.0709 | 78.0000 |
| 5/32" | 0.1563 | .08661 | 22.0000 | 3.1102 | 79.0000 |
| .1575 | 4.0000 | 7/8" | 22.2250 | 3.1496 | 80.0000 |
| 11/64" | 0.1719 | 0.8858 | 22.5000 | 3.1890 | 81.0000 |
| .1772 | 4.5000 | 57/64" | 22.6219 | 3.2283 | 82.0000 |
| 3/16" | 0.1875 | .09055 | 23.0000 | 3.2677 | 83.0000 |
| .1969 | 5.0000 | 29/32" | 23.0188 | 3.3071 | 84.0000 |
| 13/64" | 0.2031 | 59/64" | 23.4156 | 3.3465 | 85.0000 |
| .2165 | 5.5000 | .09252 | 23.5000 | 3.3858 | 86.0000 |
| 7/32" | 0.2188 | 15/16" | 23.8125 | 3.4252 | 87.0000 |
| 15/64" | 0.2344 | 0.9449 | 24.0000 | 3.4646 | 88.0000 |
| .2362 | 6.0000 | 61/64" | 24.2094 | 3.5000 | 88.9000 |
| 1/4" | 0.2500 | 0.9646 | 24.5000 | 3.5039 | 89.0000 |
| .2559 | 6.5000 | 31/32" | 24.6063 | 3.5433 | 90.0000 |
| 17/64" | 0.2656 | 0.9843 | 25.0000 | 3.5827 | 91.0000 |
| .2756 | 7.0000 | 63/64" | 25.0031 | 3.6220 | 92.0000 |
| 9/32" | 0.2813 | 1" | 25.4000 | 3.6614 | 93.0000 |
| .2953 | 7.5000 | .10039 | 25.5000 | 3.7008 | 94.0000 |
| 19/64" | 0.2969 | 1.0236 | 26.0000 | 3.7402 | 95.0000 |
| 5/16" | 0.3125 | 1.0433 | 26.5000 | 3.7795 | 96.0000 |
| .3150 | 8.0000 | 1.0630 | 27.0000 | 3.8189 | 97.0000 |
| 21/64" | 0.3281 | 1.0827 | 27.5000 | 3.8583 | 98.0000 |
| .3346 | 8.5000 | 1.1024 | 28.0000 | 3.8976 | 99.0000 |
| 11/32" | 0.3438 | 1.1220 | 28.5000 | 3.9370 | 100.0000 |
| .3543 | 9.0000 | 1.1417 | 29.0000 | 4.0000 | 101.6000 |
| 23/64" | 0.3594 | 1.1614 | 29.5000 | 4.3307 | 110.0000 |
| .3740 | 9.5000 | 1.1811 | 30.0000 | 4.5000 | 114.3000 |
| 3/8" | 0.3750 | 1.2205 | 31.0000 | 4.7244 | 120.0000 |
| 25/64" | 0.3906 | 1.2500 | 31.7500 | 5.0000 | 127.0000 |
| .3937 | 10.0000 | 1.2598 | 32.0000 | 5.1181 | 130.0000 |
| 13/32" | 0.4063 | 1.2992 | 33.0000 | 5.5118 | 140.0000 |
| .4134 | 10.5000 | 1.3386 | 34.0000 | 5.9055 | 150.0000 |
| 27/64" | 0.4219 | 1.3780 | 35.0000 | 6.0000 | 152.4000 |
| .4331 | 11.0000 | 1.4173 | 36.0000 | 6.2992 | 160.0000 |
| 7/16" | 0.4375 | 1.4567 | 37.0000 | 6.6929 | 170.0000 |
| .4528 | 11.5000 | 1.4961 | 38.0000 | 7.0866 | 180.0000 |
| 29/64" | 0.4531 | 1.5000 | 38.1000 | 7.4803 | 190.0000 |
| 15/32" | 0.4688 | 1.5354 | 39.0000 | 7.8740 | 200.0000 |
| .4724 | 12.0000 | 1.5748 | 40.0000 | 8.0000 | 203.2000 |
| 31/64" | 0.4844 | 1.6142 | 41.0000 | 9.8425 | 250.0000 |
| .4921 | 12.5000 | 1.6535 | 42.0000 | 10.0000 | 254.0000 |
| 1/2" | 0.5000 | 1.6929 | 43.0000 | 20" | 508.0000 |
| .5118 | 13.0000 | 1.7323 | 44.0000 | 30" | 762.0000 |
| 33/64" | 0.5156 | 1.7500 | 44.4500 | 40" | 1016.0000 |
| 17/32" | 0.5313 | 1.7717 | 45.0000 | 60" | 1524.0000 |
| .5315 | 13.5000 | 1.8110 | 46.0000 | 80" | 2032.0000 |
| 35/64" | 0.5469 | 1.8504 | 47.0000 | 100" | 2540.0000 |

STANDARDS

What is a standard?

A standard is a document that provides requirements, specifications, guidelines or characteristics that can be used consistently to ensure that materials, products, processes and services are fit for their purpose.

What are the benefits of ISO International Standards?

ISO International Standards ensure that products and services are safe, reliable and of good quality. For business, they are strategic tools that reduce costs by minimizing waste and errors, and increasing productivity. They help companies to access new markets, level the playing field for developing countries and facilitate free and fair global trade.

IRIMO main product families

Socket wrenches

- ISO 2725, hand sockets, general dimensions; ISO 1174, driving squares. The standards define the limits to certain dimensions to avoid the play between the socket and the bolt, the accessibility to reach, and guarantee the correct torque transmission and to work with nuts and studs.
- ISO 1711, hand and impact sockets, define the minimum hardness that a socket should have, and the minimum torque that a socket should resist. This assures that only the right material has been used, and the socket will be able to be used without breakage risk.
- The profile of the sockets, hex and biex, was designed for a much better distribution of the strength far from the corners to avoid possible breakings.
At the same time the transmission of the torque to the bolts and nuts is made out of the edges, protecting the life of the components.

Adjustable Wrenches

- Stands ISO 6787 standard torque values plus 30% without opening and deformation.
- General dimensions of adjustable wrenches according to ISO 6787 standard.
- Design forged in one piece.

Spanners-Wrenches

- Stands ISO 1711-1 standard torque values plus 30% without opening and deformation.
- Higher hardness according to ISO 1711-1, without fragility risk.
- Wrench end fitting tolerance according to ISO 691 gives higher performance and better transmission of the torque to the bolts and nuts.

Pliers

- ISO standards on pliers define, for each product family, the basic dimensions of the product. In addition to this, when applicable ISO standards also define:
 - Maximum acceptable deformations after a load test.
 - Maximum acceptable deformations after a torsion test.
 - Maximum acceptable cutting force tests.
 - The most important ISO standards for pliers are:
 - ISO 5745 Pliers for gripping and manipulating – Dimensions and test values.
 - ISO 5746 Engineer’s and “Lineman’s” pliers – Dimensions and test values.
 - ISO 5749 Diagonal cutting nippers – Dimensions and test values.
 - ISO 8976 Multiple slip joint pliers – Dimensions and test values.
 - ISO 9242 Construction worker’s pincers – Dimensions and test values.
 - ISO 9243 Pliers and nippers – Carpenter’s pincers – Dimensions and test values.

Torque wrenches

ISO 6789 classifies the torque wrenches into different types (I, II) and classes (A, B, C, D, E, F).

The ISO standard assigns different accuracy levels (4 % or 6 %) depending on the type, class and max torque of each wrench.

This accuracy needs to be accomplished between 20 % and 100% of the maximum torque of the wrench.

The standard also establishes the calibration procedure, conditions and frequency as well as other tests and product requirements.

IRIMO torque tools comply with ISO 6789 standard and SNA Europe offers calibration services in his internal After Sales Centers.

Screwdrivers

ISO standards on screwdrivers define the tip dimension, the minimum hardness and the minimum torque that they should resist.

After torque testing with the minimum value, screwdrivers shall not show any deformation or injuries at the tip:

- ISO 2380 Slotted screwdrivers – Dimensions, hardness and minimum torque values.
- ISO 8764 Phillips and Pozidriv screwdrivers – Dimensions, hardness and minimum torque values.
- ISO 2936 Hexagon screwdrivers – Dimensions, hardness and minimum torque values.

However, the IRIMO screwdrivers must meet Internal Standards that are above the ISO standard.

Internal torque values standards is 20 % over the ISO standard for Slotted screwdrivers and 50 % in Phillips and Pozidriv screwdrivers.

The combination of the raw material and hardness determines the performance of the blade, longer life and quality work Internal hardness; Minimum SNA Europe 58-59 HRc. Minimum ISO standards 54 HRc. TORX® drivers; torque values are evaluated with testing gauges of Acument Global Technologies Inc., licensor of TORX®.

SNA Europe is committed to providing its customers with products that are fully compliant with all regulations, international protocols and customer standards to which they are subject. In this respect, SNA Europe complies with appropriate international regulations and directives, including REACH, RoSH, WEEE, C€ Conflict Minerals, etc.

Regarding REACH European regulation N° 1907/2006, it requires suppliers of any product to inform the customer of the presence of substances of very high concern (SVHC) (<http://www.echa.europa.eu/candidate-list-table>) listed in the relevant and official list above a concentration of 0.1 % weight by weight (w/w). The ECHA, European Chemicals Agency, recently added several chemical substances to the list and as of December, 2014 there are 161 substances in the Candidate List of SVHC. The compliance in REACH prevents the user from probable serious effects to human health (and/or) the environment, including carcinogenic, toxic and mutagenic categories.

The definition and aim of the RoHS directive is quite simple. The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. Any RoHS compliant component is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE).

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) is the European Community directive 2012/19/EU on waste electrical and electronic equipment (WEEE) which, together with the RoHS Directive 2002/95/EC, became European Law in February 2003. The WEEE Directive set collection, recycling and recovery targets for all types of electrical goods, with a minimum rate of 4 kilograms per head of population per annum recovered for recycling by 2009.

The C€ marking is the manufacturer's declaration that the product meets the requirements of the applicable EU directives.

The term Conflict Minerals refers to raw materials that come from a particular part of the world where conflict is occurring and affects the mining and trading of those materials. These are defined as columbite-tantalite, also known as coltan (from which tantalum is derived); cassiterite (tin); gold; wolframite (tungsten); or their derivatives; to be financing conflict in the Democratic Republic of the Congo or an adjoining country.

SNAEurope

For warranty info
please check your local website
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