



1/4" "RADIO" RANGE

237



| | |
|-------------------------------|-----|
| 1/4" socket sets | 237 |
| 1/4" ratchets | 245 |
| 1/4" accessories..... | 247 |
| 1/4" sockets | 252 |
| 1/4" long reach sockets..... | 254 |
| 1/4" Torx® sockets..... | 255 |
| 1/4" screwdriver sockets..... | 255 |

1/2" "STANDARD" RANGE

276



| | |
|-------------------------------|-----|
| 1/2" socket sets | 276 |
| 1/2" ratchets | 289 |
| 1/2" accessories..... | 292 |
| 1/2" sockets | 297 |
| 1/2" Torx® sockets..... | 300 |
| 1/2" screwdriver sockets..... | 300 |

3/8" "JUNIOR" RANGE

257



| | |
|-------------------------------|-----|
| 3/8" socket sets | 257 |
| 3/8" ratchets | 264 |
| 3/8" accessories..... | 266 |
| 3/8" sockets | 271 |
| 3/8" Torx® sockets..... | 274 |
| 3/8" screwdriver sockets..... | 274 |

3/4" "TRUCK" RANGE

303



| | |
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| 3/4" socket sets | 303 |
| 3/4" ratchets | 309 |
| 3/4" accessories..... | 311 |
| 3/4" sockets..... | 314 |



1" "MAMMOUTH" RANGE

316



| | |
|-----------------------------------|-----|
| 1" socket sets | 316 |
| 1" ratchets and accessories | 317 |
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"IMPACT" RANGE

319



| | |
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| 3/8" impact sockets and accessories..... | 321 |
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| 1" impact sockets and accessories..... | 334 |
| 1" 1/2" impact sockets and accessories..... | 337 |

DYNAPACT MANUAL IMPACT WRENCHES

339



| | |
|-------------------------------|-----|
| Impact screwdrivers | |
| ↳ See section 7 in page | 464 |



CHOOSING YOUR SOCKETS

RANGE, PERFORMANCE AND SAFETY BY FACOM

RANGE







- The FACOM range includes over 1500 different ratchets, sockets, accessories and sets to meet your every need, from light engineering to power-assisted work or live working applications.

PERFORMANCE








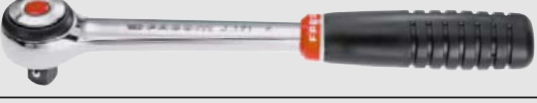
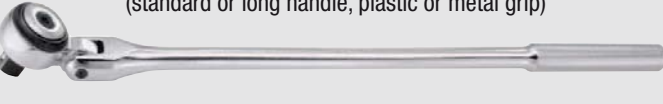




- The performance of Facom's ratchets, sockets and accessories greatly exceeds current standard specifications.

SAFETY

- For your safety always observe colour codes as well as safety instructions
 - Chrome finish: manual use only.
 - Black: use with impact or power tools.
 - Orange: live, manual use
 - Bronze/Copper: use in explosive atmosphere.

| COLOUR OF THE SOCKET OR ACCESSORY | USE | DIMENSIONS | SQUARE DRIVE | |
|--|---|--|---|--|
| Chromed  | Light engineering Electronics Electromechanical Cycles | 3.2 to 14 mm 3/16" to 9/16" | Radio range 1/4" | p. 250 |
| Chromed  | Mechanical engineering Automotive engineering | 7 to 24 mm 1/4" to 1" | Junior range 3/8" | p. 258 |
| | Motorcycles | 8 to 34 mm 1/4" to 1" | Standard range 1/2" | p. 276 |
| Chromed  | Mechanical engineering Heavy goods vehicles Civil engineering plant | 19 to 55 mm 3/4" to 2"1/4" | Truck range 3/4" | p. 393 |
| | Farming equipment Offshore | 41 to 100 mm 1"13/16 to 3"3/8" | Mammoth range 1" | p. 316 |
| Black  | For all your power-assisted torquing applications | 6 to 120 mm 3/8" to 2"1/8" | Impact range 3/8", 1/2", 3/4", 1", 1"1/2" Manual impact wrenches Power-assisted impact machines Power-assisted bolters | p. 320 p. 678 p. 712 p. 691 |
| Orange  | For all live working applications | Sockets 6 to 12 mm Sockets 9 to 19 mm Sockets 8 to 22 mm | Radio 1/4" Junior 3/8" Standard 1/2" | p. 803 p. 804 p. 806 |
| Copper-Beryllium  | For all work in explosive atmosphere | | See = ADF range | p. 738 |

CHOOSE YOUR RATCHET

| USE | OFFER | OTHER BENEFITS |  |
|------------------------------------|--|---|---|
| Standard | <p>Pear head ratchets Ideal: these ratchets are ideal for use in difficult working conditions.</p>  | Very compact Precise palm control | Square: 1/4"-3/8"-1/2" RL.161 JL.161 SL.161 |
| | <p>Palm control ratchets FACOM tradition. Ring reversing. The palm-control system allows the operator to push down on the head of the ratchet while avoiding accidental reversal.</p>  | Precise | Square: 1/4"-3/8"-1/2" R.161 J.161 S.161 |
| | <p>Standard ratchets Classical cap reversing line.</p>  | | Square: 1/4"-3/8"-1/2"-3/4"-1" R.151 - J.151 - S.151 K.152 - K.149 - K.154B M.151 |
| Speed & productivity | <p>Fast ratchets Work faster in confined areas.</p>  | Socket locking Palm control | Square: 1/4" - 3/8" - 1/2": R.360 J.360 S.360 |
| Powerful / Reduced efforts | <p>Long ratchets Less fatigue during applications requiring high torque.</p>  | | Square: 3/8"-1/2"-3/4"- 1" J.174 - S.154 K.154B K.151B + K.126A M.151 + M.126 |
| | <p>Long hinged ratchets Combine joint for access & long handle to reduce efforts and fatigue during applications requiring high torque (handle with plastic or metal grip).</p>  | Palm control | Square: 3/8"-1/2" J.153A S.153A J.158A S.158A |
| Locking of sockets and accessories | <p>Sockets and accessories secured to avoid any risk falling particularly in confined spaces.</p>  | Palm control | Square: 1/4" - 3/8" - 1/2" R.360 - J.360 S.360 - J.171 J.174 - S.171 |
| Access | <p>Hinged head ratchets (standard or long handle, plastic or metal grip)</p>  | Palm control | Square: 1/4" - 3/8" - 1/2" S.143A - S.153A S.158A - J.153A J.158A - R.158A |
| | <p>Ultra-compact bit ratchet Design halving size compared with a standard ratchet.</p>  | Allows also to use sockets with ECR adapter | R.PE Square: 1/4": R.PE 65.PE |
| | <p>Ratchet without handle For manual access with/without extension in confined spaces</p>  | | Square: 1/4" R.150A |
| Others | <p>Intermediate ratchets To use with tee or hinged handle.</p>   | | Square: 3/8" - 1/2" J.156 S.156 |



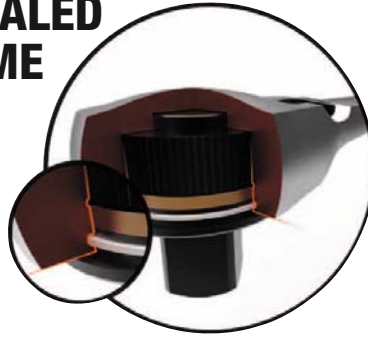
PEAR HEAD RATCHETS

RL-JL-SL.161

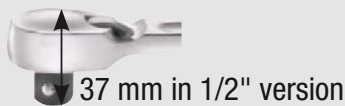
SEALED AND ROBUST

ULTRA-RESISTANT AND SEALED HEAD FOR LONGER LIFETIME

- Double sealing gasket: mechanism sealed to industrial dust.
- Maintenance free.
- Tested in aggressive conditions.



ULTRA-COMPACT HEAD



HIGH PRECISION

- 72 teeth for 5° increments.

REDUCED FATIGUE:

- Lighter 1/2" ratchet (-15% for S.161, -25% for 1/2" traditional lever ratchets.)
- Center of gravity moved towards the head for easier increment movements.

PALM CONTROL SYSTEM

- For more powerful loosening.



RECESSED REVERSE LEVER

Avoids accidental reversal and is easier to operate with gloved hands.



COMFORTABLE:

No discontinuity between the plastic and metal sections.

HOOKING EYE

| Icon | Square drive |
|--------|--------------|
| RL.161 | 1/4" |
| JL.161 | 3/8" |
| SL.161 | 1/2" |



THE FAST RATCHET WITH ROTATING HANDLE

WORK TWICE AS FAST WITH THE ROTATING HANDLE

- The rotating handle allows fast access to improve productivity.
- Gain time, especially in confined work spaces.

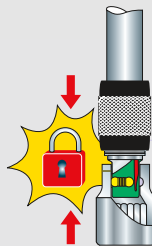


MAXIMUM COMFORT

- No need to hold the socket in the access phase = just place the socket on the screen and turn the handle.
- More comfort and access, especially in confined work spaces.

SOCKET LOCKING

- No need to secure the socket by hand when tightening threads or nuts with little or no locking.



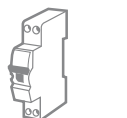
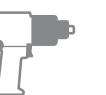
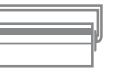
PALM CONTROL

- Ratchet head can be pressed for more powerful (un)tightening.



| Model | Square drive |
|--------------|--------------|
| R.360 | 1/4" |
| J.360 | 3/8" |
| S.360 | 1/2" |

- Also available in NANO and DETECTION BOXES.



RATCHETS AND ACCESSORIES WITH SAFETY LOCK

The Facom range of 1/4" and 1/2" ratchets and accessories prevents any accidental loss of sockets in your work space.

Locking mechanism

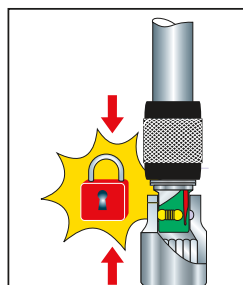
Resistant to more than 60 kg traction before socket tearing.

Instant release thanks to

- The knurled ring of the extensions,
- Releasing the ratchet for instant ejection of the socket by simple pressure, even with slippery hands.

| Ratchets | Extensions | Square drive |
|----------|------------|--------------|
| R.360 | R.210RC | 1/4" |
| | R.215RC | |
| | R.217RC | |
| J.360 | J.210RC | 3/8" |
| J.171 | J.215RC | |
| J.174 | J.217RC | |
| S.360 | S.210RC | 1/2" |
| S.171 | S.215RC | |
| | S.217RC | |

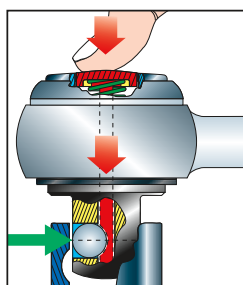
For your safety, only use ratchets and accessories with sockets with an internal ball notch.



Locking mechanism



Instant release



Sockets with ball notch

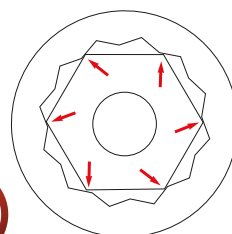


FACOM OGV® PROFILE

FACOM OGV® PROFILE

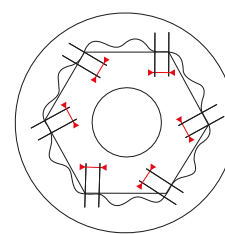
- More powerful tightening.
- Safer by strongly reducing the risk of slippage, particularly on rounded nuts.

Standard profile



Stress applied to edges

OGV®



Bears against the side faces

THE ULTRA-COMPACT BIT RATCHET

THE FACOM R.PE RATCHET WAS DEVELOPED TO DELIVER MAXIMUM POWER AND COMPACTNESS WHEN USING BITS.

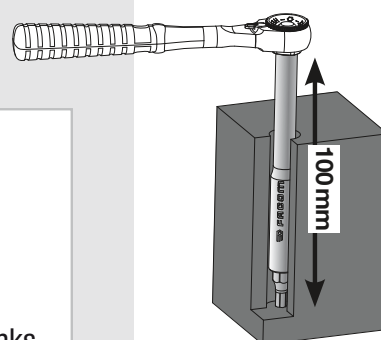
MAXIMUM COMPACTNESS

The design of the R.PE allows insertion of the bit in the mechanism while halving the height compared with a standard ratchet. Therefore, it is the most compact in the market at this level of performance.

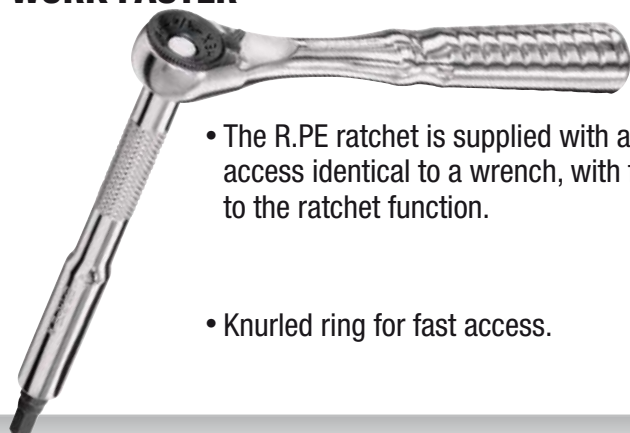


COMPATIBLE WITH 1/4" SOCKETS

With the ECR adapter,



WORK FASTER



- The R.PE ratchet is supplied with a 100 mm extension: access identical to a wrench, with faster operation thanks to the ratchet function.
- Knurled ring for fast access.

THE ULTRA COMPACT R.PE RATCHET AND BIT TOOL SET

COMPLETE SET

- Torx® bits: T6 to T40.
- Hexagonal bits: 1.5 mm to 8 mm.
- Bits PH no.1 - 2 - 3 / PE no.1 - 2 - 3 / Slotted head 4 - 5.5 mm.
- Adaptor for sockets.
- Extension 100 mm.

ULTRA-COMPACT

- 124 mm x 34 mm x 64 mm.

PRACTICAL

- Fast tool selection.
- Anti slip tool grip.



STORING YOUR SOCKETS

SOCKET STORAGE SYSTEMS ARE ADAPTED TO YOUR NEEDS ON THE MOVE OR WHEN WORKING IN THE WORKSHOP AND TO YOUR WORK CONSTRAINTS.

COMPACT

ON-SITE APPLICATIONS

WORKSHOP WORK

NANO Box concept
• Square: 1/4".



DETECTION Box Concept
• Square drive: 1/2"-3/8".



FOD compatible.

Polypropylene boxes or metal boxes
• Square: 1/4"-3/8"-1/2"-3/4"-1".



Modules with thermoformed trays
• Square drive: 1/4"-3/8"-1/2"-3/4".



MOD.J1

Modules with foam trays
• Square drive: 1/4"-3/8"-1/2".



MODM.R1A

FOD compatible.

SAFETY AND EFFICIENCY

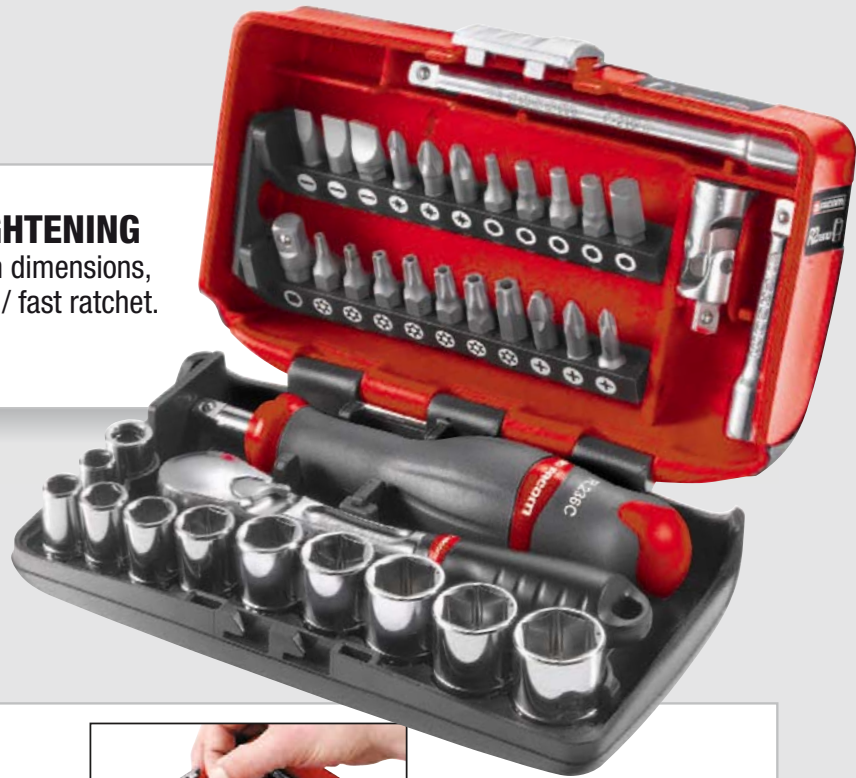
THE RNANO CONCEPT

ULTRA-COMPLETE: 100% BOLTING-TIGHTENING

- Up to 38 tools, 1/4" drive square, in metric or inch dimensions, 6-or 12- point sockets, with standard / pear head / fast ratchet.

ULTRA-COMPACT

- 50% more compact than 1/4" sets in regular box.



PRACTICAL: SAVE TIME

- Easy set and tool selection thanks to tool pattern tag,
- Thanks to 3-sided set identification sticker.



Easy tool picking

- Bit strips rise automatically when opening the set.



- Socket picking by tilting.



- Auto-closing clasp: closes instantly.

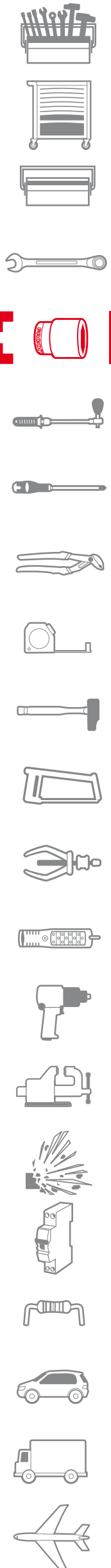


Sockets, bits, and accessories held in case of tipping



STRENGTH AND COMFORT BY FACOM

- Sturdy closing system: metal clasp and hinge rod
- Bi-material body: - Box frame in PC/B > Rigid and unbreakable.
 - Skin in TPU = soft anti-slip > Good grip
 - > Does not slip on work surface
 - > Does not scratch the intervention zone (bodywork...)
- Plastic resistant to workshop solvents.



DETECTION BOX CONCEPT

REINFORCED SAFETY

- The "Detection BOX" concept ensures instant availability check even when the box is closed.



EASY TO STORE

- Easy storage in all roller cabinet drawers (including 60 mm high).
- Adapts to 1/3 width of a roller cabinet module.
- Holds vertically.
- Does not slide, even on a smooth surface.



EASY TO CARRY

- With the extension used as a handle.

PRACTICAL

- Sockets locked securely in their slots and stay in place even when set is tipped over.




















HIGH STRENGTH

- Thanks to their bi-material shell, metal clasps and metal hinge pins.



1/4" NANO SETS

METRIC DIMENSIONS

| | | RL.NANO1 | RL.NANO112 | R.360NANO | R2NANO | |
|--|--|------------------|------------|-----------|---------|---|
|  | | RL.161 | RL.161 | R.360 | R.161 | |
|  12 6 | | 6 | 12 | 6 | 6 | |
|  1/4" 6,35 mm | | 1/4" | 1/4" | 1/4" | 1/4" | |
|  mm | 5,5 | • | • | • | • | |
| | 6 | • | • | • | • | |
| | 7 | • | • | • | • | |
| | 8 | • | • | • | • | |
| | 9 | • | • | • | • | |
| | 10 | • | • | • | • | |
| | 11 | • | • | • | • | |
| | 12 | • | • | • | • | |
|  EP | 1 | • | • | • | • | |
| | 2 | • | • | • | • | |
| | 3 | • | • | • | • | |
| |  EH | 3 | • | • | • | • |
| | | 4 | • | • | • | • |
| | | 5 | • | • | • | • |
| |  mm | 6 | • | • | • | • |
| 7 | | • | • | • | • | |
|  ED | 1 | • | • | • | • | |
| | 2 | • | • | • | • | |
| | 3 | • | • | • | • | |
|  ES | 4,5 | • | • | • | • | |
| | 6,5 | • | • | • | • | |
| | 8 | • | • | • | • | |
|  EXR | 10 | • | • | • | • | |
| | 15 | • | • | • | • | |
| | 20 | • | • | • | • | |
| | 25 | • | • | • | • | |
| | 27 | • | • | • | • | |
| | 30 | • | • | • | • | |
| | 40 | • | • | • | • | |
|  R.209 | R.209 | • | • | • | • | |
|  R.210 | R.210 | • | • | • | • | |
|  R.240A | R.240A | • | • | • | • | |
|  R.235 | R.235 | • | • | • | • | |
|  R.236A | R.236A | • | • | • | • | |
|  ECR | ECR | • | • | • | • | |
|  | | BV.NANO1 | | | | |
|  | | 152 x 48 x 92 mm | | | | |
|  | | 0,81 Kg | 0,745 Kg | 0,85 Kg | 0,85 Kg | |

RL.NANO1



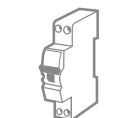
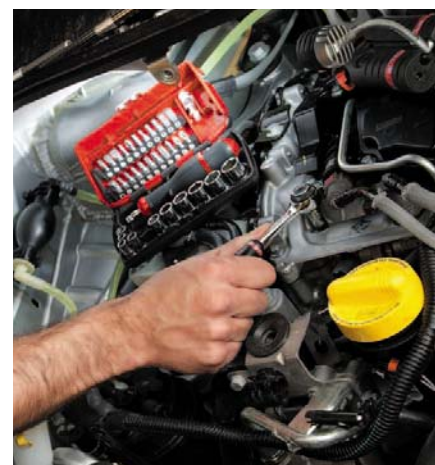
RL.NANO112



R.360NANO


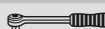








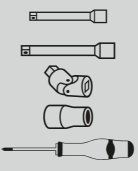





R2NANO



1/4" NANO SETS

INCH DIMENSIONS

|  | | | RL.NANO-U1 | RL.NANO-U112 | RL.NANO-U2 | R.360NANO-U1 | R.360NANO-U112 |
|--|--------|-------|------------------|--------------|------------|--------------|----------------|
|  | | | RL.161 | RL.161 | RL.161 | R.360 | R.360 |
|  12 6 | | | 6 | 12 | 12 | 6 | 12 |
|  1/4" 6,35 mm | | | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" |
|  | " | 7/32 | • | • | • | • | • |
| | | 1/4 | • | • | • | • | • |
| | | 9/32 | • | • | • | • | • |
| | | 5/16 | • | • | • | • | • |
| | | 11/32 | • | • | • | • | • |
| | | 3/8 | • | • | • | • | • |
| | | 13/32 | • | • | • | • | • |
| | | 7/16 | • | • | • | • | • |
| | | 1/2 | • | • | • | • | • |
| 9/16 | • | • | • | • | • | | |
|  | EP | 1 | • | • | • | • | • |
| | | 2 | • | • | • | • | • |
| | | 3 | • | • | • | • | • |
|  | EH | 1/4 | • | • | • | • | • |
| | | 1/8 | • | • | • | • | • |
| | | 3/16 | • | • | • | • | • |
| | | 5/32 | • | • | • | • | • |
| | | 7/32 | • | • | • | • | • |
|  | ED | 1 | • | • | • | • | • |
| | | 2 | • | • | • | • | • |
| | | 3 | • | • | • | • | • |
|  | ES | 4,5 | • | • | • | • | • |
| | | 6,5 | • | • | • | • | • |
| | | 8 | • | • | • | • | • |
|  | TORX® | 8 | • | • | • | • | • |
| | | EXR | 10 | • | • | • | • |
| | | 15 | • | • | • | • | • |
| | | 20 | • | • | • | • | • |
| | | 25 | • | • | • | • | • |
| | | 27 | • | • | • | • | • |
| | | 30 | • | • | • | • | • |
| 40 | • | • | • | • | • | | |
|  | R.209 | • | • | • | • | • | |
| | R.210 | • | • | • | • | • | |
| | R.240A | • | • | • | • | • | |
| | R.235 | • | • | • | • | • | |
| | R.236C | • | • | • | • | • | |
| ECR | • | • | • | • | • | | |
|  | | | BV.RNANO-U | | | | |
|  | | | 152 x 48 x 92 mm | | | | |
|  | | | 0,81 Kg | 0,745 Kg | 0,81 Kg | 0,90 Kg | 0,85 Kg |

RL.NANO-U1



RL.NANO-U112



RL.NANO-U2



R.360NANO-U1

























R.360NANO-U112



1/4" CLASSICAL SETS
















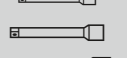



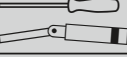


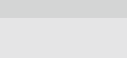




METRIC DIMENSIONS

|  | | R.3A | R.410AE | R.410D | R.420P | R.425AP | R.426AP | R.425A |
|--|--------|-------------------|---------|---------|---------|---------|---------|--------|
|  12 6 | | R.161 | R.151 | R.151 | R.161 | R.161 | R.161 | R.151 |
| 1/4" 6,35 mm | | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" |
|  mm | 3,2 | | | | • | | | |
| | 4 | | • | | • | | | |
| | 5 | | • | | • | | | |
| | 5,5 | • | • | • | • | • | • | • |
| | 6 | • | • | • | • | • | • | • |
| | 7 | • | • | • | • | • | • | • |
| | 8 | • | • | • | • | • | • | • |
| | 9 | • | • | • | • | • | • | • |
| | 10 | • | • | • | • | • | • | • |
| | 11 | • | • | • | • | • | • | • |
| 12 | • | • | • | • | • | • | • | |
| 13 | • | • | • | • | • | • | • | |
| 14 | | | • | • | • | • | • | |
|  EP | 1 | | | | • | • | • | • |
| | 2 | | | | • | • | • | • |
| | 3 | | | | | | | |
|  EH | 3 | | | | • | • | • | • |
| | 4 | | | | • | • | • | • |
| | 5 | | | | • | • | • | • |
| | 6 | | | | • | • | • | • |
|  mm | 7 | | | | | | | |
| | 8 | | | | | | | |
|  ED | 1 | • | | | | | | |
| | 2 | • | | | | | | |
| | 3 | • | | | | | | |
|  ES | 4 | | | | • | • | • | • |
| | 4,5 | | | | | | | |
| | 5,5 | | | | | | | |
| | 6,5 | | | | • | • | • | • |
|  8 | 8 | | | | • | • | • | • |
| | | | | | | | | |
|  EXR | 10 | | | | | | | |
| | 15 | • | | | | | | |
| | 20 | • | | | | | | |
| | 25 | • | | | | | | |
| | 27 | | | | | | | |
| | 30 | • | | | | | | |
| 40 | • | | | | | | | |
|  R.209 | R.209 | | | | • | • | • | • |
|  R.210 | R.210 | • | • | | • | • | • | • |
|  R.215 | R.215 | | | • | • | • | • | • |
|  R.240A | R.240A | | | • | • | • | • | • |
|  R.235 | R.235 | • | | | • | • | • | • |
|  R.236A | R.236A | • | • | • | • | • | • | • |
|  R.120A | R.120A | | | • | • | • | • | • |
|  R.222 | R.222 | | | | | | | |
|  R.142 | R.142 | | | | | | | |
|  | | PL.366A | PL.390A | PL.244A | PL.442 | | PL.441 | |
|  | | | | | BP.102 | | | |
|  | | 204 x 122 x 52 mm | | | | | | |
| | | 0,60 Kg | 0,55 Kg | 0,66 Kg | 0,82 Kg | | 0,83 Kg | |



1/4" CLASSICAL-COMBINED SETS

METRIC/INCH DIMENSIONS

| | | R.411MU | R.420MU | |
|--|---|---|---|---|
|    1/4" 6,35 mm | | R.151 | RL.161 | |
| | |  1/4" |  1/4" | |
|  mm | 3,2 | | • | |
| | 4 | • | • | |
| | 5 | • | • | |
| | 5,5 | • | • | |
| | 6 | • | • | |
| | 7 | • | • | |
| | 8 | • | • | |
| | 9 | • | • | |
| | 10 | • | • | |
| | 11 | • | • | |
| | 12 | • | • | |
| | 13 | • | • | |
| | 14 | | | |
| |  " | 3/16 | | • |
| 7/32 | | • | • | |
| 1/4 | | • | • | |
| 9/32 | | • | • | |
| 5/16 | | • | • | |
| 11/32 | | • | • | |
| 3/8 | | • | • | |
| 13/32 | | • | • | |
| 7/16 | | • | • | |
| 1/2 | | • | • | |
| 9/16 | | • | • | |
|  EH  mm | 3 | | | |
| | 4 | | | |
| | 5 | | | |
| | 6 | | | |
| | 7 | | | |
| | 8 | | | |
| |  ED  | 1 | | |
| | | 2 | | |
| 3 | | | | |
|  ES  | 4 | | | |
| | 4,5 | | | |
| | 5,5 | | | |
| | 6,5 | | | |
|  EXR  | 10 | | | |
| | 15 | | | |
| | 20 | | | |
| | 25 | | | |
| | 27 | | | |
| | 30 | | | |
| | 40 | | | |
|  R.209  R.210  R.215  R.240A  R.235  R.236A  R.120A  R.222  R.142 | | • | • | |
| | | | | |
| | | • | • | |
| | | • | • | |
| | | | | |
| | | | | |
| | | • | • | |
| | | • | • | |
| | | • | • | |
|    | PL.125A | PL.453 | | |
| | BP.115 | BP.102 | | |
| | 332 x 143 x 67 mm | 204 x 122 x 52 mm | | |
| | 1,56 Kg | 0,72 Kg | | |

R.411MU

















R.420MU



1/4" SOCKETS SETS

SET OR RACK

|  | | R.40E | RL.40E | RL.41E | R.40U | REL.40U | RTX.40 |
|--|---|---|---|---|---|---|----------|
|  TORX® | |  |  |  |  |  | TORX® |
|  1/4" 6,35 mm | | Standard | Long | Long | Standard | Long | TORX® |
|  mm | 3,2 | • | • | | | | |
| | 4 | • | • | | | | |
| | 5 | • | • | | | | |
| | 5,5 | • | • | | | | |
| | 6 | • | • | | | | |
| | 7 | • | • | | | | |
| | 8 | • | • | | | | |
| | 9 | • | • | | | | |
| | 10 | • | | • | | | |
| | 11 | • | | • | | | |
| | 12 | • | | • | | | |
| | 13 | • | | • | | | |
| | 14 | • | | • | | | |
| |  " | 3/16 | | | | • | • |
| 7/32 | | | | | • | • | |
| 1/4 | | | | | • | • | |
| 9/32 | | | | | • | • | |
| 5/16 | | | | | • | • | |
| 11/32 | | | | | • | • | |
| 3/8 | | | | | • | • | |
| 13/32 | | | | | • | • | |
| 7/16 | | | | | • | • | |
| 1/2 | | | | | • | • | |
| 9/16 | | | | | • | • | |
|  TORX® | E4 | | | | | | • |
| | E5 | | | | | | • |
| | E6 | | | | | | • |
| | E7 | | | | | | • |
| | E8 | | | | | | • |
| | E10 | | | | | | • |
|  |  | CKS.93 | CKS.89 | CKS.89 | CKS.93 | CKS.93 | CKS.89 |
| |  | 0,255 Kg | 0,220 Kg | 0,310 Kg | 0,235 Kg | 0,345 Kg | 0,090 Kg |

R.40E
RL.40E



RL.41E



R.40U



REL.40U



RTX.40



1/4" MODULES IN THERMOFORMED TRAYS

METRIC/INCH

| | | 1/4" 6,35 mm | | MOD.RL1 | MOD.R1 | MOD.R5 | MOD.R3 |
|----|--------|-------------------|-------------------|-------------------|-------------------|--------|--------|
| | | | | RL.161 | R.161 | R.161 | R.161 |
| | | | | 6 mm | 6 mm | 6 mm | 6" |
| | mm | 3,2 | 3/16" | | | | |
| | | 4 | 7/32" | | | | |
| | | 5 | 1/4" | | | | |
| | | 5,5 | 9/32" | • | • | • | • |
| | | 6 | 5/16" | • | • | • | • |
| | | 7 | 11/32" | • | • | • | • |
| | | 8 | 3/8" | • | • | • | • |
| | | 9 | 13/32" | • | • | • | • |
| | | 10 | 7/16" | • | • | • | • |
| | | 11 | 1/2" | • | • | • | • |
| | | 12 | - | • | • | • | • |
| | | 13 | - | • | • | • | • |
| | | 14 | - | • | • | • | • |
| | | | EP | 1 | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| | EH | 1/8 | | | | | • |
| | | 3/16 | | | | | • |
| | | 5/32 | | | | | • |
| | EH | 7/32 | | | | | • |
| | | 3 | | • | • | • | |
| | | 4 | | • | • | • | |
| | | 5 | | • | • | • | |
| | | 6 | | • | • | • | |
| | ED | ED.101T | | • | • | • | |
| | | ED.102T | | • | • | • | |
| | | 4,5 | | • | • | • | |
| | | 6,5 | | • | • | • | |
| | | 8 | | • | • | • | |
| | EXR | 10 | | | | • | |
| | | 15 | | | | • | |
| | | 20 | | | | • | |
| | | 25 | | | | • | |
| | | 30 | | | | • | |
| | | 40 | | | | • | |
| | 82H | 2 | 5/64" | • | • | • | • |
| | | 2,5 | 3/32" | • | • | • | • |
| | | 3 | 1/8" | • | • | • | • |
| | | 4 | 9/64" | • | • | • | • |
| | | 5 | 5/32" | • | • | • | • |
| | | 6 | 3/16" | • | • | • | • |
| | | 7 | 7/32" | • | • | • | • |
| | | 8 | 1/4" | • | • | • | • |
| | | 9 | 5/16" | • | • | • | • |
| | | 10 | 3/8" | • | • | • | • |
| | 83SH | 1,5 | | | | • | |
| | | 2 | | | | • | |
| | | 2,5 | | | | • | |
| | | 3 | | | | • | |
| | | 4 | | | | • | |
| | | 5 | | | | • | |
| | | 6 | | | | • | |
| 8 | | | | • | | | |
| | 89S | 10 | | | | • | |
| | | 15 | | | | • | |
| | | 20 | | | | • | |
| | | 25 | | | | • | |
| | | 27 | | | | • | |
| | | 30 | | | | • | |
| | | 40 | | | | • | |
| 45 | | | | • | | | |
| | R.209 | | • | • | • | • | |
| | R.215 | | • | • | • | • | |
| | R.240A | | • | • | • | • | |
| | R.235 | | • | • | • | • | |
| | R.236A | | • | • | • | • | |
| | R.120A | | • | • | • | • | |
| | | PL.321 | PL.321 | PL.658 | PL.603 | | |
| | | 435 x 198 x 55 mm | 420 x 180 x 55 mm | 420 x 190 x 55 mm | 420 x 180 x 55 mm | | |
| | | | 1,1 Kg | 1,41 Kg | 0,95 Kg | | |

MOD.RL1



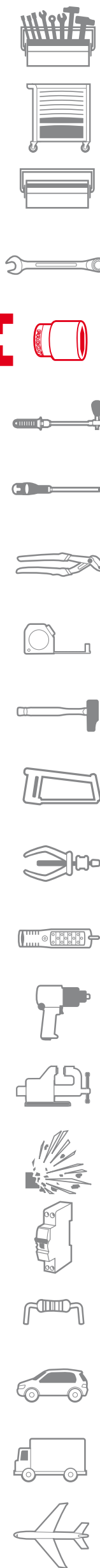
MOD.R1



MOD.R5





















MOD.R3



1/4" MODULES IN FOAM TRAYS

BI-COLOURED-METRIC

| | | MODM.RL1 | MODM.R1A | |
|---|---|---|---|---|
|    | | RL.161 | R.161 | |
| | |  1/4" |  1/4" | |
|  | mm | | | |
| | 5,5 | • | • | |
| | 6 | • | • | |
| | 7 | • | • | |
| | 8 | • | • | |
| | 9 | • | • | |
| | 10 | • | • | |
| | 11 | • | • | |
|  | EP | | | |
| | EP.101T | • | • | |
| | EP.102T | • | • | |
| | EP.103T | • | • | |
|  | EH | | | |
| | EH.103 | • | • | |
| | EH.104 | • | • | |
| | EH.105 | • | • | |
| | EH.106 | • | • | |
|  | mm | | | |
| | EH.107 | • | • | |
|  | ED | | | |
| | ED.101T | • | • | |
| | ED.102T | • | • | |
|  | ES | | | |
| | ES.134,5T | • | • | |
| | ES.136,5T | • | • | |
|  | EXR | | | |
| | EXR.115 | • | • | |
| | EXR.120 | • | • | |
| | EXR.125 | • | • | |
| | EXR.127 | • | • | |
| | EXR.130 | • | • | |
|  | 83SH | | | |
| | 1,5 | • | • | |
| | 2 | • | • | |
| | 2,5 | • | • | |
| | 3 | • | • | |
| | 4 | • | • | |
| | 5 | • | • | |
| 6 | • | • | | |
|  | 8 | • | • | |
| | 10 | • | • | |
| |  | R.209 | • | • |
| | | R.215 | • | • |
| | | R.240A | • | • |
| | | R.235 | • | • |
| R.236A | | • | • | |
| R.120A | | • | • | |
|  | | PM.MODR1A | PM.MODR1A | |
|  | | 416 x 190 x 50 mm | 420 x 190 x 55 mm | |
|  | | 1,095 Kg | | |

MODM.RL1

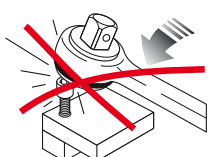
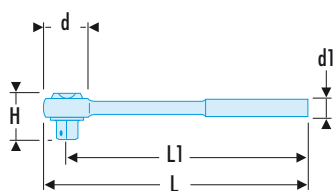


MODM.R1A



Ratchets 1/4"

1/4" maintenance free pear head ratchet

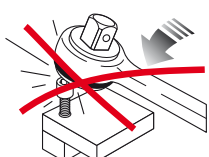
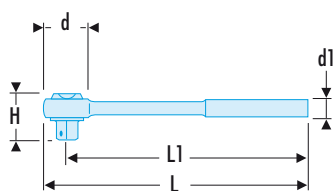


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Dust proof, maintenance free mechanism.
- 72 teeth mechanism for 5° increments.
- Drive direction switch allows easy reversal even with gloved or greasy hands.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ultra-compact head.
- Hook for hanging when working at height.
- Ergonomic comfort grip handle design resistant to workshop chemicals and solvents.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| RL.161 | 22 | 20 | 25 | 120 | 110 | 78 |

1/4" fast action twist handle ratchet

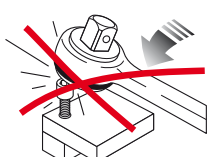
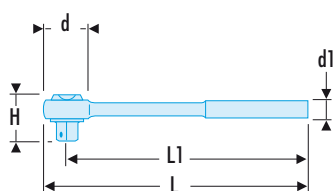


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Rotating handle jack: work twice as fast in confined spaces.
- 6° increments for final tightening.
- Socket safety locking: no more lost sockets.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| R.360 | 27 | 21 | 29 | 120 | 120 | 144 |

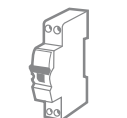
1/4" palm control ratchet



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

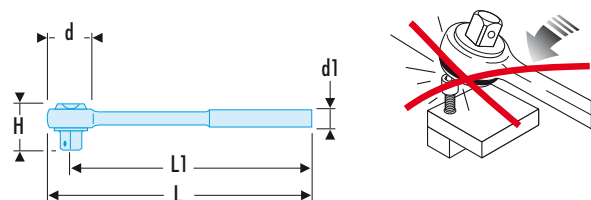
- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| R.161 | 25 | 19 | 25 | 120 | 108 | 120 |



"Radio" 1/4" range

1/4" standard ratchet

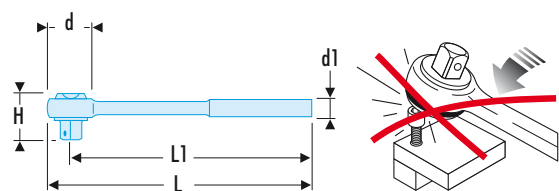


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Reverse by rotating cap.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| R.151 | 25 | 21 | 25 | 120 | 108 | 100 |

Ultra compact 1/4" bit ratchet



- Exceptionally compact design when using end bits.
- Mechanism: 60 teeth.
- Use sockets with the ECR adapter.
- Supplied with magnetic extension.

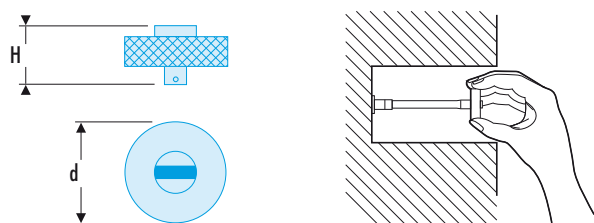
| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-------------|--------|---------|--------|--------|---------|--------|
| R.PE | 17 | 16 | 26,5 | 158 | 126 | 96 |

65.PE Bit-holder ratchet wrench 1/4" - 5/16"



- Takes the following bits:
 - Series 1: hexagon 1/4".
 - Series 2: hexagon 5/16".
 - Used for installing 1/4" and 5/16" aircraft fasteners.
 - Increment: 5°.
 - Heads angled at 15°.
 - Bits held by a spring clip.
 - Knurled head for fast pre-tightening.
 - Length 150 mm.
 - Satin chrome finish.
- Weight: 74 g.

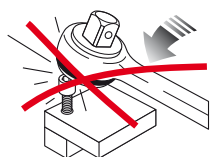
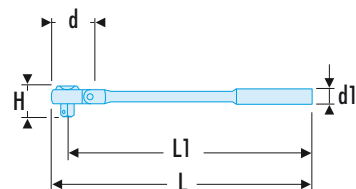
1/4" finger control ratchet



- 72 teeth mechanism for 5° increments.
 - Ideal for confined deep recess spaces.
- Weight: 120 g.

| ➤ | d [mm] | H [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|
| R.150A | 38,5 | 26,5 | 95 |

1/4" long hinged metal grip ratchet



- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Stiffened joint to maintain the position even with an extension and the socket engaged.
- Knurled metal grip.

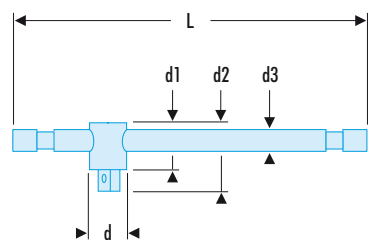
| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| R.158A | 25 | 11 | 26,5 | 158 | 126 | 135 |

MAINTENANCE OF 1/4" RATCHETS

| ➤ | R.161 | R.151 | R.155A | R.157A | R.158A | R.150A |
|-----------------------|-------|-------|--------|--------|--------|--------|
| Caps | | | | | | |
| R.161C | • | | • | • | • | |
| J.161C | | | | | | • |
| R.151C | | • | | | | |
| Spare part kit | | | | | | |
| R.161RN | • | | • | • | • | • |
| R.151RN | | • | | | | |
| Rotors | | | | | | |
| R.151R | • | • | • | • | • | • |

Accessories 1/4"

1/4" drive sliding tee

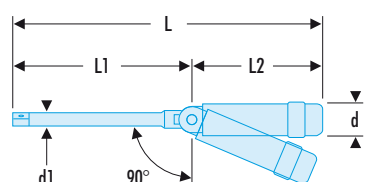


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Friction bar allows the bar to form a T or L-handle.
- Finish: bright chrome.

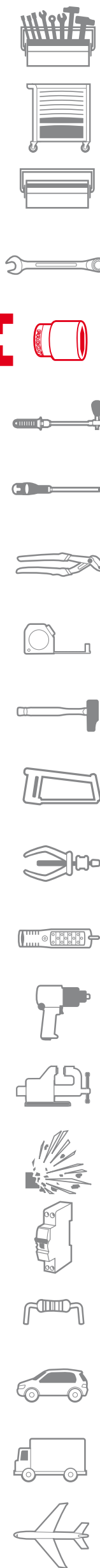
| ➤ | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|---------|---------|--------|--------|
| R.120A | 12 | 14 | 22 | 7 | 115 | 49 |

1/4" hinged handle



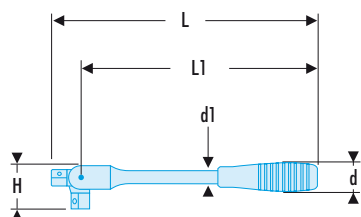
- Driver or L-handle for fast approach or powerful locking.

| ➤ | d [mm] | d1 [mm] | L [mm] | L1 [mm] | L2 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|---------|---------|--------|
| R.142 | 14 | 8,1 | 182 | 105 | 77 | 125 |



"Radio" 1/4" range

▣ Hinged bar 1/4" with handle



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Spring steadies hinge in any position, allowing access behind obstacles.
- Non-slip handle.
- Finish: bright chrome.

| | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | $\Delta\Delta$ [g] |
|---------------|--------|---------|--------|--------|---------|--------------------|
| R.140A | 19 | 8 | 25,5 | 150 | 131,5 | 83 |

▣ R.236C 1/4" drive short spinner



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Ergonomic bi-material grip.
 - Ideal for confined spaces.
- Weight: 76 g.

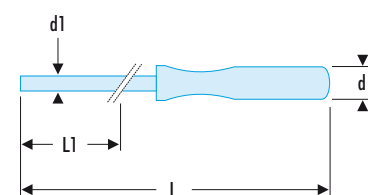
▣ R.236A 1/4" drive medium spinner



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Ergonomic bi-material grip.
 - Ideal for confined spaces.
- Weight: 79 g.

▣ 1/4" drive standard spinner

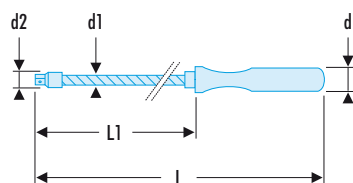


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Ergonomic bi-material grip.
- Ideal for confined spaces.

| | d [mm] | d1 [mm] | L [mm] | L1 [mm] | $\Delta\Delta$ [g] |
|---------------|--------|---------|--------|---------|--------------------|
| R.227A | 23,5 | 8 | 260 | 160 | 125 |

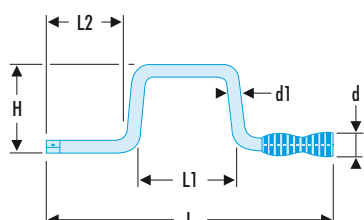
▣ 1/4" drive flexible spinner



- Ergonomic bi-material grip.
- For fasteners where access is difficult.

| | d [mm] | d1 [mm] | d2 [mm] | L [mm] | L1 [mm] | $\Delta\Delta$ [g] |
|---------------|--------|---------|---------|--------|---------|--------------------|
| R.222A | 20 | 8 | 12 | 265 | 160 | 117 |

1/4" drive speed brace

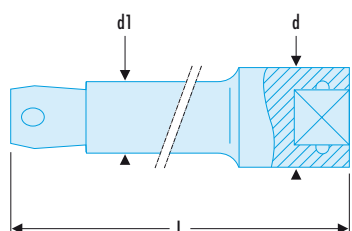


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- For fast rotation.
- PVC rotating handle.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | L2 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|---------|--------|
| R.110 | 21 | 8 | 110 | 360 | 130 | 120 | 220 |

1/4" drive extension



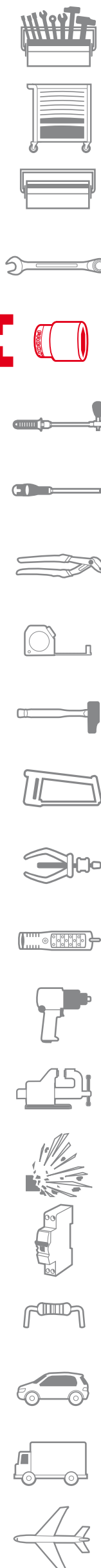
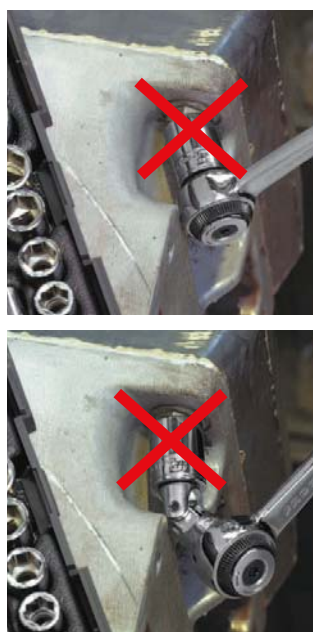
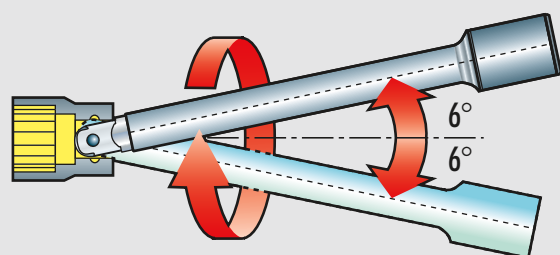
NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Finish: chromed.

| ➤ | d [mm] | d1 [mm] | L [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|
| R.209 | 12 | 8,2 | 55 | 30 |
| R.210 | 12 | 8,2 | 100 | 45 |
| R.215 | 12 | 8,2 | 150 | 65 |
| R.217 | 12 | 8,2 | 250 | 105 |

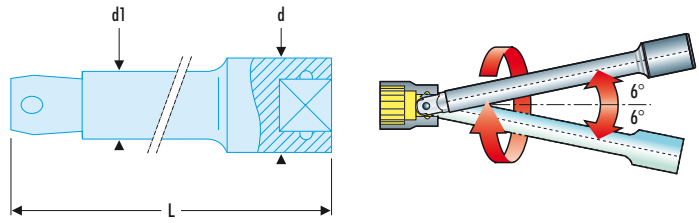
WOBBLE EXTENSION

Hard to access with a socket or universal joint? USE A WOBBLE EXTENSION !



"Radio" 1/4" range

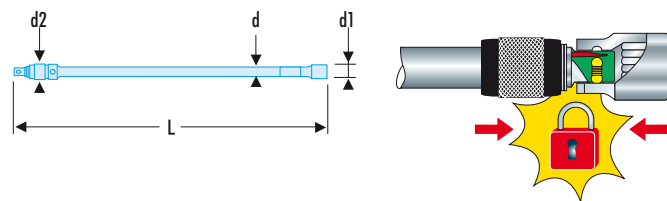
1/4" wobble extension



- Square drive profile gives 6° working angle.
- Hard to access with a socket or universal joint? Use a wobble extension !
- Finish: bright chrome.

| 🔧 | d [mm] | d1 [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|
| R.209S | 12 | 8,2 | 55 | 30 |
| R.210S | 12 | 8,2 | 100 | 45 |

1/4" drive locking extensions

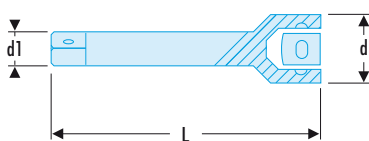


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Locking mechanism.
- Finish: bright chrome.

| 🔧 | d [mm] | d1 [mm] | d2 [mm] | L [mm] | ΔΔ [g] |
|----------------|--------|---------|---------|--------|--------|
| R.210RC | 8,2 | 12 | 13 | 100 | 45 |
| R.215RC | 8,2 | 12 | 13 | 150 | 60 |
| R.217RC | 8,2 | 12 | 13 | 250 | 100 |

1/4" wobble extension

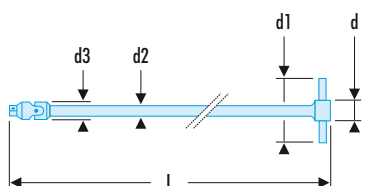
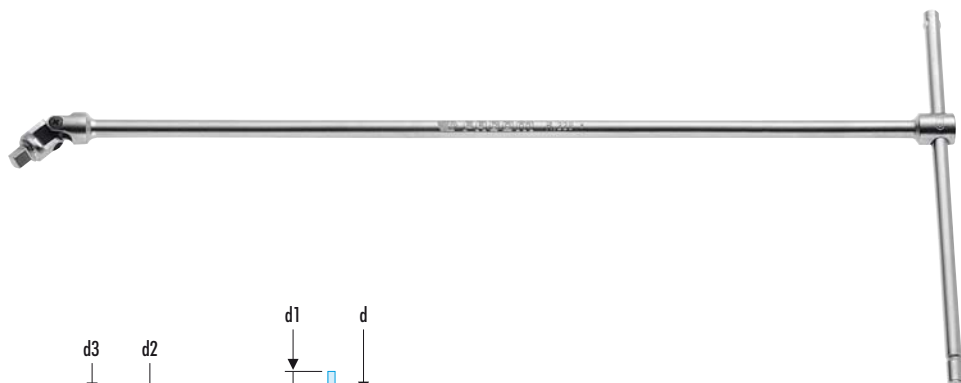


ASME B107.10

- Reaches fasteners out of direct access line.
- Unsuitable for high torques: max. 2.8 N.m.

| 🔧 | d [mm] | d1 [mm] | L [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|
| R.216 | 12 | 8 | 150 | 66 |

1/4" drive tee with universal joint

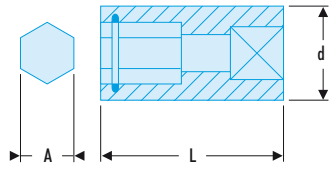


- Universal joint withstands high torques and is spring-steadied in position.
- Long reach and working angle up to 65° allows access to recessed fasteners.
- Finish: bright chrome.

| 🔧 | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|---------|---------|--------|--------|
| R.229A | 13 | 135 | 9 | 13 | 385 | 215 |

"Radio" 1/4" range

1/4" drive standard spring-clip bit holder

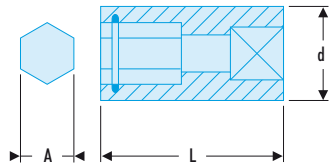


NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- Spring clip for frequent bit changes.
- Finish: bright chrome.

| ☞ | A ["] | Square ["] | d [mm] | L [mm] | ΔΔ [g] |
|--------------|-------|------------|--------|--------|--------|
| R.235 | 1/4 | 1/4 | 11,3 | 22 | 10 |

1/4" drive secure spring-clip bit holder



NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- Stiffer, more secure, spring clip for infrequent bit changes.
- Square drive has side-hole for ball or plunger lock.
- Finish: bright chrome.

| ☞ | A ["] | Square ["] | d [mm] | L [mm] | ΔΔ [g] |
|--------------|-------|------------|--------|--------|--------|
| R.245 | 1/4 | 1/4 | 11,3 | 22 | 10 |

1/4" drive lock-ring bit holder



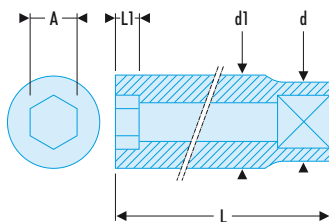
NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- Bit lock.
- Square drive has side-hole for ball or plunger lock.

| ☞ | A ["] | Square ["] | L [mm] | ΔΔ [g] |
|--------------|-------|------------|--------|--------|
| E.F.R | 1/4 | 1/4 | 30 | 26 |

Sockets 1/4"

R 1/4" drive metric 6-point sockets

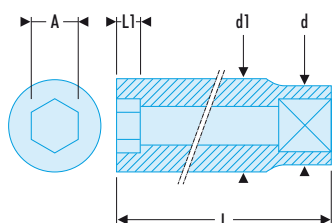


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.
- Available as sets on metal rack (Ref R.40E).

| ☞ | A [mm] | ⊙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|--------|---------|--------|---------|--------|
| R.3,2 | 3,2 | 6 | 11,2 | 5,9 | 22 | 2,4 | 7,30 |
| R.4 | 4,0 | 6 | 11,2 | 6,9 | 22 | 2,6 | 7,70 |
| R.5 | 5,0 | 6 | 11,2 | 8,2 | 22 | 4,8 | 8,10 |
| R.5,5 | 5,5 | 6 | 11,2 | 8,8 | 22 | 4,8 | 8,40 |
| R.6 | 6,0 | 6 | 11,2 | 9,4 | 22 | 5,6 | 8,60 |
| R.7 | 7,0 | 6 | 11,0 | 11,0 | 22 | 6,0 | 9,20 |
| R.8 | 8,0 | 6 | 12,0 | 12,0 | 22 | 6,5 | 11,50 |
| R.9 | 9,0 | 6 | 13,2 | 13,2 | 22 | 6,5 | 14,30 |
| R.10 | 10,0 | 6 | 14,7 | 14,7 | 22 | 7,8 | 17,70 |
| R.11 | 11,0 | 6 | 15,8 | 15,8 | 22 | 9,0 | 19,40 |
| R.12 | 12,0 | 6 | 17,0 | 17,0 | 22 | 9,50 | 23,20 |
| R.13 | 13,0 | 6 | 17,7 | 17,7 | 22 | 10,00 | 23,70 |
| R.14 | 14,0 | 6 | 18,7 | 18,7 | 22 | 10,00 | 26,10 |

R 1/4" drive inch 6-point sockets

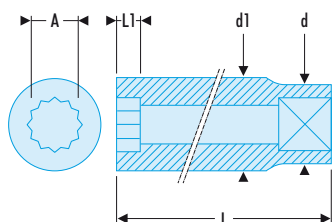


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.
- Available as rack set (Ref R.40U).

| Ref | A ["] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|-------|--------|--------|---------|--------|---------|--------|
| R.3/16 | 3/16 | 6 | 11,2 | 8,0 | 22 | 4,75 | 8,20 |
| R.7/32 | 7/32 | 6 | 11,2 | 9,0 | 22 | 5,50 | 8,30 |
| R.1/4 | 1/4 | 6 | 11,2 | 10,1 | 22 | 6,00 | 9,30 |
| R.9/32 | 9/32 | 6 | 11,0 | 11,0 | 22 | 6,00 | 8,90 |
| R.5/16 | 5/16 | 6 | 12,0 | 12,0 | 22 | 6,50 | 11,50 |
| R.11/32 | 11/32 | 6 | 13,2 | 13,2 | 22 | 6,50 | 14,50 |
| R.3/8 | 3/8 | 6 | 14,7 | 14,7 | 22 | 7,80 | 17,80 |
| R.13/32 | 13/32 | 6 | 14,7 | 14,7 | 22 | 7,80 | 17,00 |
| R.7/16 | 7/16 | 6 | 15,8 | 15,8 | 22 | 9,00 | 19,50 |
| R.1/2 | 1/2 | 6 | 17,7 | 17,7 | 22 | 10,00 | 24,50 |
| R.9/16 | 9/16 | 6 | 18,7 | 18,7 | 22 | 10,00 | 25,20 |

R.E 1/4" drive metric 12-point sockets

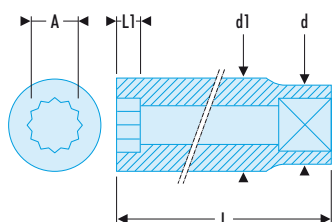


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

| Ref | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|---------|--------|
| R.5,5E | 5,5 | 12 | 11,2 | 8,8 | 22 | 4,80 | 8,40 |
| R.6E | 6,0 | 12 | 11,2 | 9,4 | 22 | 5,60 | 8,60 |
| R.7E | 7,0 | 12 | 11,0 | 11,0 | 22 | 6,00 | 9,20 |
| R.8E | 8,0 | 12 | 12,0 | 12,0 | 22 | 6,50 | 11,50 |
| R.9E | 9,0 | 12 | 13,2 | 13,2 | 22 | 6,50 | 14,30 |
| R.10E | 10,0 | 12 | 14,7 | 14,7 | 22 | 7,80 | 17,70 |
| R.11E | 11,0 | 12 | 15,8 | 15,8 | 22 | 9,00 | 19,40 |
| R.12E | 12,0 | 12 | 17,0 | 17,0 | 22 | 9,50 | 23,20 |
| R.13E | 13,0 | 12 | 17,7 | 17,7 | 22 | 10,00 | 23,70 |
| R.14E | 14,0 | 12 | 18,7 | 18,7 | 22 | 10,00 | 26,10 |

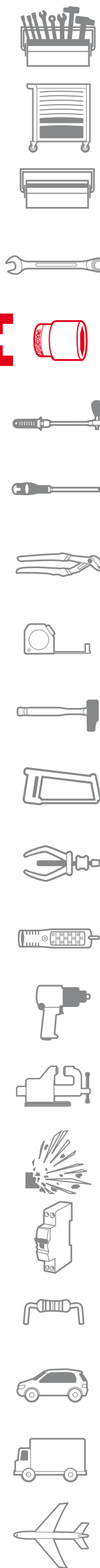
R.E 1/4" drive inch 12-point sockets



ASME B107.1

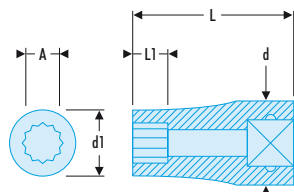
- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

| Ref | A ["] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|-------|--------|--------|---------|--------|---------|--------|
| R.3/16E | 3/16 | 12 | 11,2 | 8,0 | 22 | 4,75 | 8,20 |
| R.7/32E | 7/32 | 12 | 11,2 | 9,0 | 22 | 5,50 | 8,30 |
| R.1/4E | 1/4 | 12 | 11,2 | 10,1 | 22 | 6,00 | 9,30 |
| R.9/32E | 9/32 | 12 | 11,2 | 10,6 | 22 | 6,00 | 8,90 |
| R.5/16E | 5/16 | 12 | 12,0 | 12,0 | 22 | 6,50 | 11,50 |
| R.11/32E | 11/32 | 12 | 13,0 | 13,0 | 22 | 6,50 | 14,50 |
| R.3/8E | 3/8 | 12 | 14,7 | 14,7 | 22 | 7,80 | 17,80 |
| R.13/32E | 13/32 | 12 | 14,7 | 14,7 | 22 | 7,80 | 17,00 |
| R.7/16E | 7/16 | 12 | 15,8 | 15,8 | 22 | 9,00 | 19,5 |
| R.1/2E | 1/2 | 12 | 17,7 | 17,7 | 22 | 10,00 | 24,5 |
| R.9/16E | 9/16 | 12 | 18,7 | 18,7 | 22 | 10,00 | 25,20 |



"Radio" 1/4" range

RB 1/4" drive inch 12-point thin wall sockets



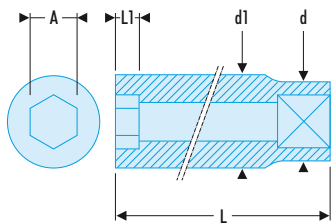
ASME B107-1

- OGV® profile: more powerful tightening, preserves fasteners.
- Thin-wall for better access, conform with aeronautical standards.
- Finish: bright chrome.

| ➤ | A ["] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|-------|--------|--------|---------|--------|---------|--------|
| RB.3/16 | 3/16 | 12 | 11,2 | 7,6 | 22 | 4,8 | 7,00 |
| RB.7/32 | 7/32 | 12 | 11,2 | 8,7 | 22 | 5,5 | 8,00 |
| RB.1/4 | 1/4 | 12 | 11,2 | 9,7 | 22 | 6,0 | 8,00 |
| RB.9/32 | 9/32 | 12 | 11,2 | 10,6 | 22 | 6,0 | 10,50 |
| RB.5/16 | 5/16 | 12 | 11,9 | 11,9 | 22 | 6,5 | 10,00 |
| RB.11/32 | 11/32 | 12 | 12,9 | 12,9 | 22 | 6,5 | 11,50 |
| RB.3/8 | 3/8 | 12 | 13,7 | 13,7 | 22 | 7,8 | 14,00 |
| RB.7/16 | 7/16 | 12 | 14,8 | 15,8 | 22 | 9,0 | 17,00 |
| RB.1/2 | 1/2 | 12 | 16,0 | 16,9 | 22 | 10,0 | 18,50 |
| RB.9/16 | 9/16 | 12 | 17,5 | 18,7 | 22 | 10,0 | 22,00 |

Long reach sockets 1/4"

R.LA 1/4" long-reach metric 6-point sockets

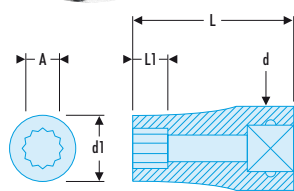


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Available as rack set Ref RL.40E (3.2 --> 9 mm) and Ref RL.41E (10 --> 14 mm).
- Finish: bright chrome.

| ➤ | A [mm] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|---------|--------|---------|--------|
| R.3,2LA | 3,2 | 6 | 12,0 | 5,80 | 50,5 | 1,8 | 18 |
| R.4LA | 4,0 | 6 | 12,0 | 6,80 | 50,5 | 2,0 | 18 |
| R.5LA | 5,0 | 6 | 12,0 | 8,10 | 50,5 | 2,3 | 18 |
| R.5,5LA | 5,5 | 6 | 12,0 | 8,10 | 50,5 | 3,0 | 18 |
| R.6LA | 6,0 | 6 | 12,0 | 9,40 | 50,5 | 5,6 | 18 |
| R.7LA | 7,0 | 6 | 12,0 | 10,90 | 50,5 | 7,1 | 27 |
| R.8LA | 8,0 | 6 | 12,0 | 12,00 | 50,5 | 7,9 | 27 |
| R.9LA | 9,0 | 6 | 12,8 | 12,80 | 50,5 | 7,9 | 32 |
| R.10LA | 10,0 | 6 | 14,3 | 14,30 | 50,5 | 7,9 | 41 |
| R.11LA | 11,0 | 6 | 16,0 | 16,00 | 50,5 | 7,9 | 54 |
| R.12LA | 12,0 | 6 | 16,8 | 16,80 | 50,5 | 8,4 | 50 |
| R.13LA | 13,0 | 6 | 18,2 | 18,20 | 50,5 | 8,4 | 59 |
| R.14LA | 14,0 | 6 | 19,2 | 19,20 | 50,5 | 10,2 | 68 |

R.EL 1/4" long-reach metric 12-point sockets

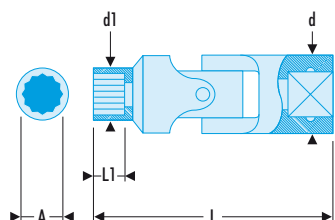


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- High performance, suitable for aircraft fasteners to AS954E.
- Thinner socket walls for better accessibility.
- Available as rack set (Ref REL.40U).
- Finish: bright chrome.

| ➤ | A ["] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|------------------|-------|--------|--------|---------|--------|---------|--------|
| R.3/16EL | 3/16 | 12 | 10,9 | 7,7 | 50 | 6,0 | 14 |
| R.7/32EL | 7/32 | 12 | 10,9 | 8,5 | 50 | 7,4 | 15 |
| R.1/4EL | 1/4 | 12 | 10,9 | 9,4 | 50 | 7,4 | 17 |
| R.9/32EL | 9/32 | 12 | 10,9 | 10,2 | 50 | 8,5 | 17 |
| R.5/16EL | 5/16 | 12 | 11,8 | 11,4 | 50 | 9,0 | 23 |
| R.11/32EL | 11/32 | 12 | 12,0 | 12,5 | 50 | 9,7 | 25 |
| R.3/8EL | 3/8 | 12 | 12,8 | 13,7 | 50 | 11,2 | 32 |
| R.7/16EL | 7/16 | 12 | 14,3 | 15,6 | 50 | 11,9 | 40 |
| R.1/2EL | 1/2 | 12 | 16,2 | 17,3 | 50 | 13,8 | 45 |
| R.9/16EL | 9/16 | 12 | 17,1 | 18,8 | 50 | 16,2 | 49 |

▣ R.F - 1/4" drive hinged 12-point sockets



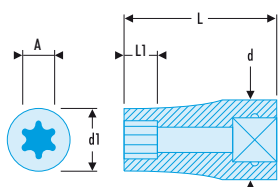
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Compact solution used instead of universal joint.
- Finish: bright chrome.

| ➤ | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|--------|--------|---------|--------|---------|--------|
| R.3/16F | 12 | 13 | 8,0 | 31,6 | 5,3 | 13 |
| R.7/32F | 12 | 13 | 8,5 | 32,4 | 6,1 | 13 |
| R.1/4F | 12 | 13 | 9,8 | 32,8 | 6,5 | 13 |
| R.9/32F | 12 | 13 | 10,5 | 32,8 | 6,5 | 13 |
| R.5/16F | 12 | 13 | 12,0 | 33,3 | 7,0 | 14 |
| R.11/32F | 12 | 13 | 13,3 | 33,3 | 7,0 | 16 |
| R.3/8F | 12 | 13 | 13,7 | 34,6 | 8,3 | 21 |
| R.7/16F | 12 | 13 | 15,5 | 35,8 | 9,5 | 27 |
| R.1/2F | 12 | 13 | 18,0 | 36,8 | 10,5 | 34 |
| R.9/16F | 12 | 13 | 19,2 | 36,8 | 10,5 | 35 |

Torx® sockets 1/4"

▣ RTX - 1/4" Torx® sockets

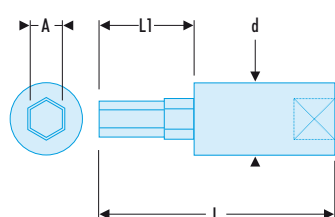


- For Torx® fasteners.
- Finish: bright chrome.
- Available as rack set (Ref RTX.40).

| ➤ | A [mm] | Torx [No] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|-----------|--------|---------|--------|---------|--------|
| RTX.4 | 3,70 | E4 | 11,2 | 5,4 | 22 | 3,2 | 8 |
| RTX.5 | 4,58 | E5 | 11,2 | 6,7 | 22 | 3,0 | 8 |
| RTX.6 | 5,54 | E6 | 11,2 | 7,7 | 22 | 3,6 | 8 |
| RTX.7 | 6,22 | E7 | 11,2 | 8,3 | 22 | 3,6 | 8 |
| RTX.8 | 7,29 | E8 | 11,2 | 9,6 | 22 | 4,3 | 9 |
| RTX.10 | 9,19 | E10 | 12,0 | 11,3 | 22 | 5,6 | 11 |

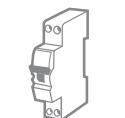
1/4" drive sockets with removable bits

▣ RT 1/4" drive metric 6-point sockets



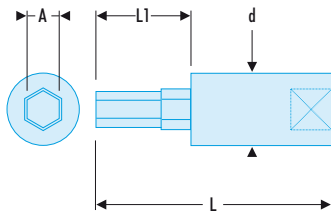
- Removable hard tip for more durability.
- R.245 socket.
- Finish: bright chrome with phosphate-hardened tip.

| ➤ | A [mm] | d [mm] | Bits | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|----------|--------|---------|--------|
| RT.2 | 2,0 | 11,3 | EH.102 | 37 | 15 | 18 |
| RT.2,5 | 2,5 | 11,3 | EH.102,5 | 37 | 15 | 18 |
| RT.3 | 3,0 | 11,3 | EH.103 | 37 | 15 | 18 |
| RT.4 | 4,0 | 11,3 | EH.104 | 37 | 15 | 18 |
| RT.5 | 5,0 | 11,3 | EH.105 | 37 | 15 | 19 |
| RT.6 | 6,0 | 11,3 | EH.106 | 37 | 15 | 20 |
| RT.7 | 7,0 | 11,3 | EH.107 | 37 | 15 | 21 |
| RT.8 | 8,0 | 11,3 | EH.108 | 37 | 15 | 22 |
| RT.10 | 10,0 | 11,3 | EH.110 | 37 | 15 | 24 |



"Radio" 1/4" range

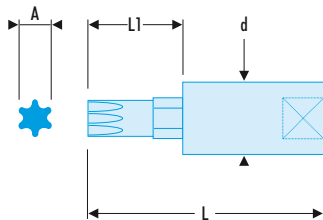
RT 1/4" drive metric 6-point sockets



- Removable hard tip for more durability.
- R.245 socket.
- Finish: bright chrome with phosphate-hardened tip.

| ➤ | A [mm] | d [mm] | Bits | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|-----------|--------|---------|--------|
| RT.1/8 | 3,17 | 11,3 | EH.101/8 | 37 | 15 | 18 |
| RT.5/32 | 3,96 | 11,3 | EH.105/32 | 37 | 15 | 18 |
| RT.3/16 | 4,76 | 11,3 | EH.103/16 | 37 | 15 | 18 |
| RT.7/32 | 5,56 | 11,3 | EH.107/32 | 37 | 15 | 19 |
| RT.1/4 | 6,35 | 11,3 | EH.101/4 | 37 | 15 | 20 |

RX 1/4" drive Torx® bit sockets



- Removable hard tip for more durability.
- R.245 socket.
- Finish: bright chrome with phosphate-hardened tip.

| ➤ | A [mm] | Torx [No] | d [mm] | Bits | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|-----------|--------|--------|--------|---------|--------|
| RX.6 | 1,65 | T6 | 11,3 | EX.106 | 38 | 16 | 17 |
| RX.7 | 1,97 | T7 | 11,3 | EX.107 | 38 | 16 | 17 |
| RX.8 | 2,30 | T8 | 11,3 | EX.108 | 38 | 16 | 17 |
| RX.9 | 2,48 | T9 | 11,3 | EX.109 | 38 | 16 | 17 |
| RX.10 | 2,72 | T10 | 11,3 | EX.110 | 38 | 16 | 17 |
| RX.15 | 3,26 | T15 | 11,3 | EX.115 | 38 | 16 | 17 |
| RX.20 | 3,84 | T20 | 11,3 | EX.120 | 38 | 16 | 18 |
| RX.25 | 4,40 | T25 | 11,3 | EX.125 | 38 | 16 | 18 |
| RX.27 | 4,96 | T27 | 11,3 | EX.127 | 38 | 16 | 18 |
| RX.30 | 5,49 | T30 | 11,3 | EX.130 | 38 | 16 | 18 |
| RX.40 | 6,60 | T40 | 11,3 | EX.140 | 38 | 16 | 18 |

CREATE YOUR OWN BIT SOCKETS

Screw bits



- Series 1 \square 1/4"
- Series 2 \square 5/16"

➤ See Section 7 p. 450

Bit holder \square 1/4"



R.235
 \square 1/4" 6.35 mm
 standard retaining pin






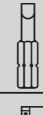
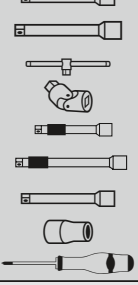

R.245
 \square 1/4" 6.35 mm
 heavy duty retaining pin

➤ See p. 458



STANDARD 3/8" SETS

METRIC DIMENSIONS

| | | J.420E | J.430AP | J.431AP | J.431ASP | J.430ASP |
|--|---|--------|--|---|--|----------|
| | | J.151A | J.161 | J.161 | J.161 | J.161 |
| | | 12 | 12 | 6 | 6 | 12 |
|  mm | 7 | • | | | | |
| | 8 | • | • | • | • | • |
| | 9 | • | • | • | • | • |
| | 10 | • | • | • | • | • |
| | 11 | • | • | • | • | • |
| | 12 | • | • | • | • | • |
| | 13 | • | • | • | • | • |
| | 14 | • | • | • | • | • |
| | 15 | • | • | • | • | • |
| | 16 | • | • | • | • | • |
| | 17 | • | • | • | • | • |
| | 18 | • | • | • | • | • |
| | 19 | • | • | • | • | • |
| | 20 | • | | | | |
| | 21 | • | • | • | • | • |
| | 22 | • | • | • | • | • |
| 23 | • | | | | | |
| 24 | • | | | | | |
|  ED | 1 | | | | • | • |
| | 2 | | | | • | • |
| | 3 | | | | • | • |
|  EH | 4 | | | | | |
| | 5 | | | | • | • |
| | 6 | | | | • | • |
| | mm | 8 | | | • | • |
| 10 | | | | • | • | |
|  ES | 6,5 | | | | • | • |
| | 8 | | | | • | • |
| | 10 | | | | • | • |
|  | J.210 | | • | • | • | • |
| | J.215 | | • | • | • | • |
| | J.120A | | • | • | • | • |
| | J.240A | | • | • | • | • |
| | J.210RC | | | | | |
| | J.215RC | | | | | |
| | J.210S | • | | | | |
| | J.235 | | | | • | • |
| | J.236C | | | | • | • |
| |  | | PL.19A BP.115 322 x 143 x 67 mm 1,50 Kg | PL.412A BP.112 389 x 164 x 66 mm 1,96 Kg | PL.411 BP.112 389 x 164 x 66 mm 2,75 Kg | |

J.420E ▼



J.430AP ▼



J.431AP ▼



**J.430ASP ▼
J.431ASP ▼**



STANDARD 3/8" SETS

METRIC DIMENSIONS

| | | J.451EP | | J.426M | J.447E | | JT.415E | JX.415EP |
|--|---------|-------------------|------|-------------------|---------------|-------------------|--------------------|--------------------|
| | | J.161+J.156 | | - | J.151 | | J.151A | J.161 |
| | | 6 | 12 | 6 | 12 | wrench | 6 | TORX® |
| | | Std | Long | Fittings | Std | 39 | Screwdriver socket | Screwdriver socket |
|  mm | 7 | • | • | | • | • | | |
| | 8 | • | • | | • | • | | |
| | 9 | • | • | | • | • | | |
| | 10 | • | • | | • | • | | |
| | 11 | • | • | | • | • | | |
| | 12 | • | • | | • | • | | |
| | 13 | • | • | | • | • | | |
| | 14 | • | • | | • | • | | |
| | 15 | • | • | | • | • | | |
| | 16 | • | • | | • | • | | |
| | 17 | • | • | | • | • | | |
| | 18 | • | • | | • | • | | |
|  JT mm | 3 | • | | | | | • | |
| | 4 | • | | | | | • | |
| | 5 | • | | | | | • | |
| | 6 | • | | | | | • | |
| | 7 | • | | | | | • | |
| | 10 | • | | | | | • | |
|  EP | 1 | | | • | | | | |
| | 2 | | | • | | | | |
| | 3 | | | • | | | | |
| | 4 | | | • | | | | |
|  ED | 1 | • | | • | | | | |
| | 2 | • | | • | | | | |
| | 3 | • | | • | | | | |
|  ES | 4 | | | • | | | | |
| | 5,5 | • | | • | | | | |
| | 6,5 | • | | • | | | | |
| | 8 | • | | • | | | | |
|  TORX® | 10 | | | • | | | | • |
| | 15 | | | • | | | | • |
| | 20 | | | • | | | | • |
| | 25 | | | • | | | | • |
| | 27 | | | • | | | | • |
| | 30 | | | • | | | | • |
| | 40 | | | • | | | | • |
| 55 | | | • | | | | • | |
|  EH mm | 3 | | | • | | | | |
| | 4 | | | • | | | | |
| | 5 | | | • | | | | |
| | 6 | | | • | | | | |
| | 7 | | | • | | | | |
| | 10 | | | • | | | | |
|  | J.210 | • | | • | | • | | |
| | J.120A | • | | • | | | | • |
| | J.240A | • | | • | | • | | |
| | J.215R | • | | • | | • | | • |
| | J.210S | • | | • | | | • | |
| | J.110 | • | | • | | | | |
| | J.235 | • | | • | | | | • |
| | J.236 | • | | • | | | | • |
| | J.216 | • | | • | | | | |
| | BJ.21A1 | | | | | • | | |
| | BJ.16A1 | | | | | • | | |
| | J.140A | • | | • | | | | |
| J.222 | | | • | | | | | |
|  | PL.77A | | | PL.20A | | PL.27B | PL.20A | PL.118 |
| | BT.105 | | | BP.112 | | BP.109 | BP.115 | BT.109G |
| | | 540 x 280 x 58 mm | | 389 x 164 x 66 mm | | 478 x 234 x 72 mm | 322 x 143 x 66 mm | 470 x 195 x 53 mm |
| | | 7,70 Kg | | 2,53 Kg | | 3,55 Kg | 1,27 Kg | 1,75 Kg |

J.451EP



J.426M



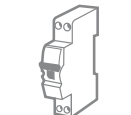
J.447E



JT.415E








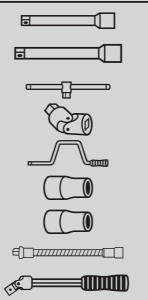
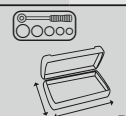


JX.415EP



3/8" SETS IN A PLASTIC CASE

INCH DIMENSIONS

| | | J.430MU | JL.430MU | J.430UP | J.450U | J.420AU | |
|--|--|-------------------|-------------------|-------------------|------------------|-------------------|--|
|  | | J.161 | JL.161 | J.161 | J.151A+J.156 | J.161 | |
|  | | 12 | 12 | 12 | 12 | 12 | |
| | | Standard | Standard | Standard | Std Long | Standard | |
|  mm | 7 | • | • | | | | |
| | 8 | • | • | | | | |
| | 9 | • | • | | | | |
| | 10 | • | • | | | | |
| | 11 | • | • | | | | |
| | 12 | • | • | | | | |
| | 13 | • | • | | | | |
| | 14 | • | • | | | | |
| | 15 | • | • | | | | |
| | 16 | • | • | | | | |
| | 17 | • | • | | | | |
| | 18 | • | • | | | | |
| | 19 | • | • | | | | |
| | 20 | • | • | | | | |
| | 21 | • | • | | | | |
| | 22 | • | • | | | | |
| 24 | • | • | | | | | |
|  " | 1/4 | • | • | • | • | • | |
| | 5/16 | • | • | • | • | • | |
| | 3/8 | • | • | • | • | • | |
| | 7/16 | • | • | • | • | • | |
| | 1/2 | • | • | • | • | • | |
| | 9/16 | • | • | • | • | • | |
| | 5/8 | • | • | • | • | • | |
| | 11/16 | • | • | • | • | • | |
| | 3/4 | • | • | • | • | • | |
| | 13/16 | • | • | • | • | • | |
| | 7/8 | • | • | • | • | • | |
| | 15/16 | • | • | • | • | • | |
| | 1 | • | • | • | • | • | |
| |  JT | 1/8 | | | | • | |
| | | 5/32 | | | | • | |
| | | 3/16 | | | | • | |
| mm | | 7/32 | | | | • | |
| | | 1/4 | | | | • | |
| 5/16 | | | | | • | | |
| 3/8 | | | | • | | | |
|  ED | 1 | | | | • | | |
| | 2 | | | | • | | |
| | 3 | | | | • | | |
| | 4 | | | | • | | |
|  ES | 5,5 | | | | • | | |
| | 6,5 | | | | • | | |
| | 8 | | | | • | | |
| | 10 | | | | • | | |
|  | J.210 | • | • | • | • | • | |
| | J.215 | • | • | • | • | • | |
| | J.120A | • | • | • | • | • | |
| | J.240A | • | • | • | • | • | |
| | J.110 | | | • | • | | |
| | J.235 | | | | • | | |
| | J.236 | | | | • | | |
| | J.216 | | | | • | | |
| J.140A | | | | • | | | |
|  | PL.59A | PL.59A | PL.12A | PL.78A | PL.69A | | |
| | BP.109 | BP.109 | BP.109 | BT.105 | BP.115 | | |
| | | 478 x 234 x 72 mm | 478 x 234 x 72 mm | 478 x 234 x 72 mm | 540 x 80 x 58 mm | 332 x 143 x 67 mm | |
| | | 4,18 Kg | 4,110 Kg | 3,73 Kg | 7,38 Kg | 2,70 Kg | |

J.430MU



JL.430MU



J.430UP



J.450U













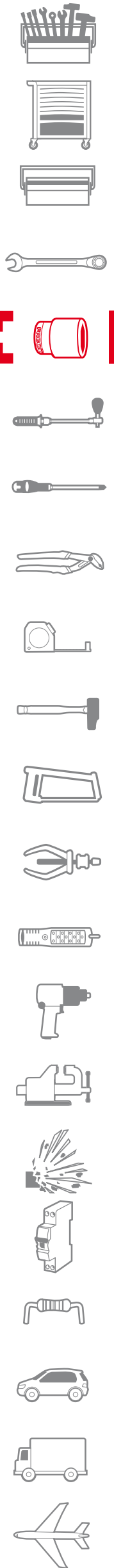
J.420AU



3/8" SOCKET SETS

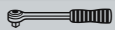

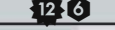
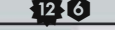
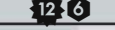
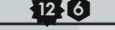
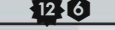






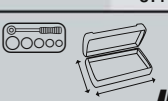
RACK OR SET

| | |  | J.40E | JL.40E | JL.41E | J.40U | JL.40U | JTX.40 | JT.40 | |
|--|-------|---|---|---|--|---|---|---------------|------------------|--|
| | |  |  |  |  |  |  | TORX | TORX SCREWDRIVER | |
| | | | Standard | Long | Long | Standard | Long | Standard | SOCKETS | |
| | | | | | | | | | Standard | |
|  mm | 7 | | • | • | | | | | | |
| | 8 | | • | • | | | | | | |
| | 9 | | • | • | | | | | | |
| | 10 | | • | • | | | | | | |
| | 11 | | • | • | | | | | | |
| | 12 | | • | • | | | | | | |
| | 13 | | • | • | | | | | | |
| | 14 | | • | • | | | | | | |
| | 15 | | • | • | | | | | | |
| | 16 | | • | | • | | | | | |
| | 17 | | | | • | | | | | |
| | 18 | | | | • | | | | | |
| | 19 | | | | • | | | | | |
|  " | 1/4 | | | | | • | • | | | |
| | 5/16 | | | | | • | • | | | |
| | 3/8 | | | | | • | • | | | |
| | 7/16 | | | | | • | • | | | |
| | 1/2 | | | | | • | • | | | |
| | 9/16 | | | | | • | • | | | |
| | 5/8 | | | | | • | • | | | |
| | 11/16 | | | | | • | • | | | |
| 3/4 | | | | | | • | | | | |
| 13/16 | | | | | | • | | | | |
| Sockets TORX® | E4 | | | | | | | • | | |
| | E5 | | | | | | | • | | |
| | E6 | | | | | | | • | | |
| | E7 | | | | | | | • | | |
| | E8 | | | | | | | • | | |
| | E10 | | | | | | | • | | |
|  JT | 8 | | | | | | | | • | |
| | 10 | | | | | | | | • | |
| | 12 | | | | | | | | • | |
| | 14 | | | | | | | | • | |
| | 16 | | | | | | | | • | |
| | | | CKS.94 | | | | CKS.91 | | | |
| | | | 0,380 Kg | 0,590 Kg | 0,870 Kg | 0,340 Kg | 0,840 Kg | 0,090 Kg | 0,280 Kg | |



3/8" MODULES IN THERMOFORMED TRAYS

METRIC/ INCH

| | | MOD.JL1 | MOD.J1 | MOD.J5 | MOD.J7 | MOD.J2 |
|--|---------|---|---|---|---|---|
|  | | JL.161 | J.161 | J.171 | J.161+J.174 | J.161 |
|  | |  |  |  |  |  |
|  mm | 7 | • | • | • | • | |
| | 8 | • | • | • | • | |
| | 9 | • | • | • | • | |
| | 10 | • | • | • | • | |
| | 11 | • | • | • | • | |
| | 12 | • | • | • | • | |
| | 13 | • | • | • | • | |
| | 14 | • | • | • | • | |
| | 15 | • | • | • | • | |
| | 16 | • | • | • | • | |
| | 17 | • | • | • | • | |
| | 18 | • | • | • | • | |
| | 19 | • | • | • | • | |
| | 20 | | | | | |
| | 21 | • | • | • | • | |
| | 22 | • | • | • | • | |
| 23 | | | | | | |
| 24 | | | | | | |
|  " | 1/4 | | | | | • |
| | 5/16 | | | | | • |
| | 3/8 | | | | | • |
| | 7/16 | | | | | • |
| | 1/2 | | | | | • |
| | 9/16 | | | | | • |
| | 5/8 | | | | | • |
| | 11/16 | | | | | • |
| | 3/4 | | | | | • |
| | 13/16 | | | | | • |
| | 7/8 | | | | | • |
| | 15/16 | | | | | • |
| | 1 | | | | | |
|  JT | 1/8 | | | | | |
| | 5/32 | | | | | |
| | 3/16 | | | | | |
| | 7/32 | | | | | |
| | 1/4 | | | | | |
| | 5/16 | | | | | |
| 3/8 | | | | | | |
|  EP | 1 | | | | | |
| | 2 | | | | | |
| | 3 | | | | | |
| | 4 | | | | | |
|  ES | 5,5 | | | | | |
| | 6,5 | | | | | |
| | 8 | | | | | |
| | 10 | | | | | |
|  | J.210 | • | • | | | • |
| | J.215 | • | • | | | • |
| | J.120A | • | • | • | • | • |
| | J.240A | • | • | • | • | • |
| | J.210RC | | | • | • | |
| | J.215RC | | | • | • | |
| | J.210S | | | | | |
| | J.110 | | | | | |
| | J.235 | • | | | | |
| | J.232 | • | | | | |
| | J.216 | | | | | |
| | J.140A | | | | | |
|  | | PL.686 | PL.322A | PL.322A | PL.665 | PL.601 |
| | | 435 x 198 x 55 mm | | 420 x 180 x 55 mm | | |
| | | 2,25 Kg | 1,80 Kg | 1,75 Kg | 2,20 Kg | 1,52 Kg |

MOD.JL1



MOD.J1



MOD.J5



MOD.J7

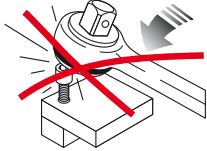
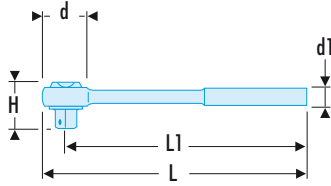


MOD.J2



Ratchets 3/8"

3/8" maintenance free pear head ratchet

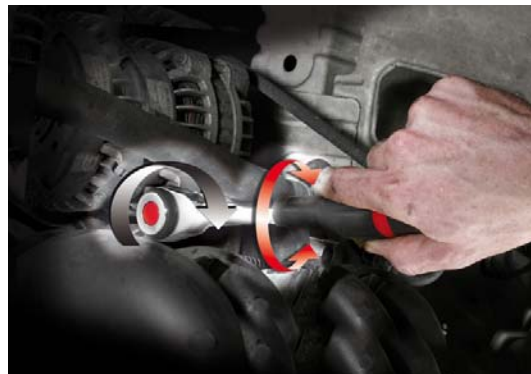
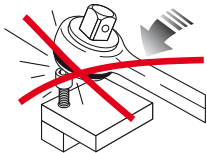
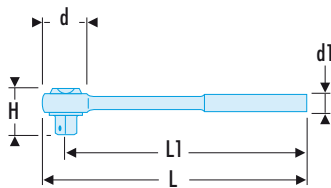


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Dust proof, maintenance free mechanism.
- 72 teeth mechanism for 5° increments.
- Drive direction switch allows easy reversal even with gloved or greasy hands.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse
- Ultra-compact head.
- Hook for hanging when working at height.
- Ergonomic comfort grip handle design resistant to workshop chemicals and solvents.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| JL.161 | 29 | 27 | 29 | 210 | 195 | 200 |

3/8" fast action twist handle ratchet

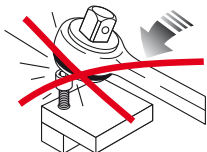
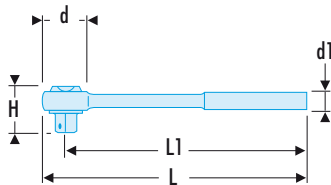


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 3/8" fast ratchet with rotating handle:
- Rotating handle jack: work twice as fast in confined spaces.
- 6° increments for final tightening.
- Socket safety locking = no sockets lost in your machines.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| J.360 | 37 | 37 | 39 | 233 | 233 | 442 |

3/8" palm control ratchet

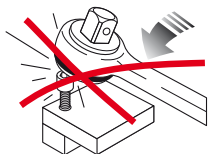
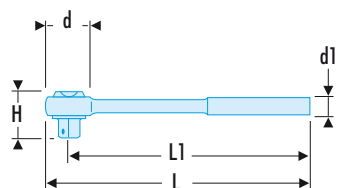


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| J.161 | 30 | 25 | 32 | 175 | 164 | 210 |

Standard 3/8" ratchet

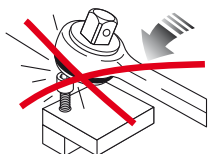
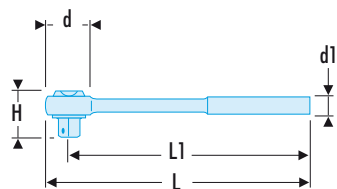


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Reversing by rotating cap.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| J.151A | 30 | 21 | 29 | 179 | 179 | 200 |

3/8" locking ratchet

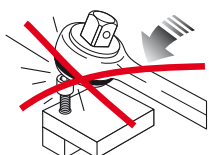
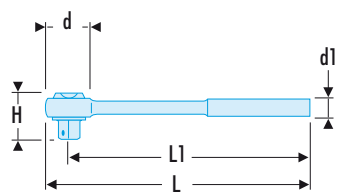


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Socket safety locking = no sockets lost in your machines.
- Long handle to reduce fatigue.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| J.171 | 32,5 | 28 | 36 | 210 | 195 | 260 |

3/8" long-reach locking ratchet

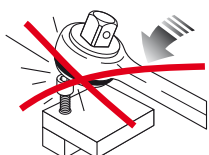
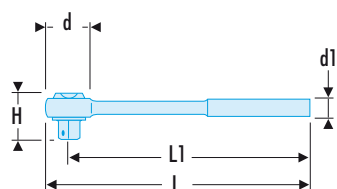


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Socket safety locking = no sockets lost in your machines.
- Long handle to reduce fatigue.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| J.174 | 32,5 | 28 | 36 | 250 | 234 | 320 |

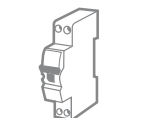
3/8" long-reach hinged ratchet



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

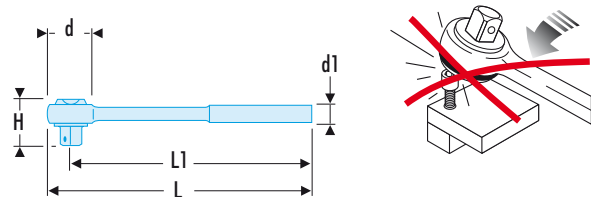
- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Extra-long handle to apply more torque without effort.
- Stiffened joint to maintain the position even with an extension and the socket engaged.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| J.153A | 30 | 25 | 32 | 278 | 263 | 315 |



"Junior" 3/8" range

3/8" hinged head ratchet with metal handle






NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Stiffened joint to maintain the position even with an extension and the socket engaged.
- Full metal handle with knurled grip.

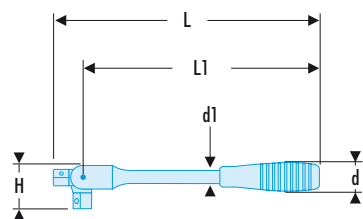
| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| J.158A | 30 | 16 | 32 | 273 | 258 | 350 |

MAINTENANCE OF 3/8" RATCHETS

| ➤ | J.171 | J.161 | J.151A | J.174 | J.153A | J.161E | J.155A | J.157A | J.158A | J.159A | J.156 |
|--|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|-------|
| Caps | | | | | | | | | | | |
|  J.161C | | • | | | | • | • | • | • | • | |
| S.156C | | | | | | | | | | | • |
| J.151AC | | | • | | | | | | | | |
| Spare part kit | | | | | | | | | | | |
|  J.161RN | | • | | | | • | • | • | • | • | |
| S.151RN | | | | | | | | | | | • |
| J.151RN | | | • | | | | | | | | |
| Rotors | | | | | | | | | | | |
|  J.151AR | | • | • | | | • | • | • | • | • | |
| J.151R | | | | | | | | | | | • |

Accessories 3/8"

3/8" hinged bar

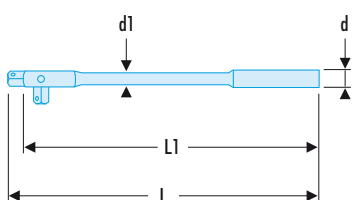


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| J.140A | 25 | 10 | 33,5 | 260 | 235,5 | 230 |

3/8" drive metal-grip hinged handle

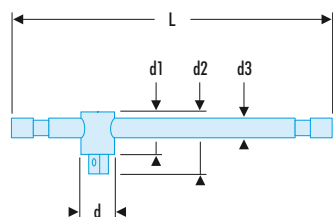


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|---------|--------|
| J.145 | 17 | 11 | 255 | 245 | 290 |

3/8" drive sliding tee

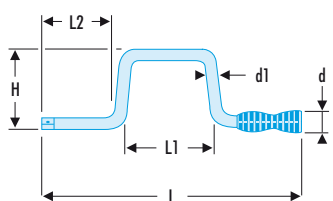


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Friction-head allows bar to form a T or L-handle.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|---------|---------|--------|--------|
| J.120A | 20 | 23 | 34 | 12 | 200 | 215 |

3/8" drive speed brace

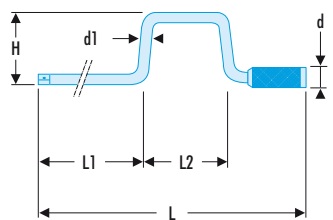


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- For fast rotation.
- PVC rotating handle.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | L2 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|---------|--------|
| J.110A | 29 | 12 | 115 | 382 | 130 | 110 | 395 |

3/8" drive metal-grip speed brace



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

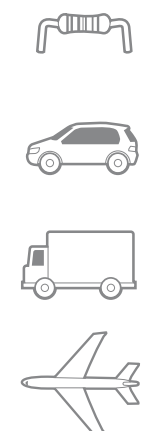
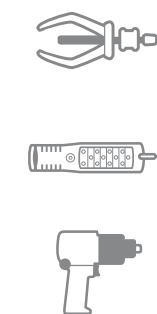
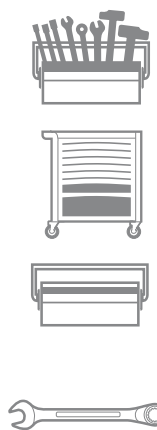
- For fast rotation.
- Metal rotating handle.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | L2 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|---------|--------|
| J.115 | 29 | 9,5 | 75 | 420 | 195 | 125 | 425 |

J.222A 3/8" drive flexible spinner

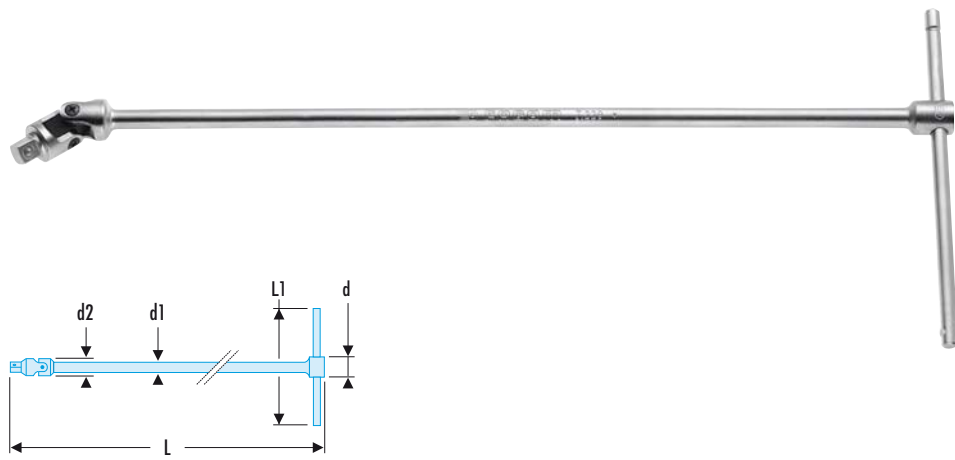


- Ergonomic bi-material grip.
 - For fasteners where access is difficult.
 - Length 295 mm.
 - Finish: bright chrome.
- Weight: 230 g.



"Junior" 3/8" range

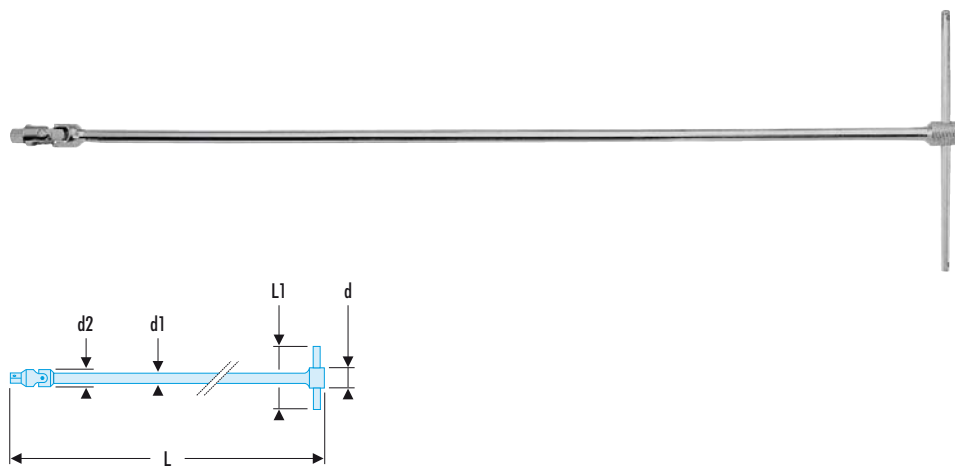
3/8" drive tee with universal joint



- Universal joint withstands high torques and is spring-steadied in position.
- Long reach and working angle up to 65° allows access to recessed fasteners.
- Sliding tee handle for a T or L position for more power.
- Finish: bright chrome.

| Part No. | d [mm] | d1 [mm] | d2 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|---------|--------|---------|--------|
| J.229A | 17 | 10 | 19 | 460 | 175 | 410 |

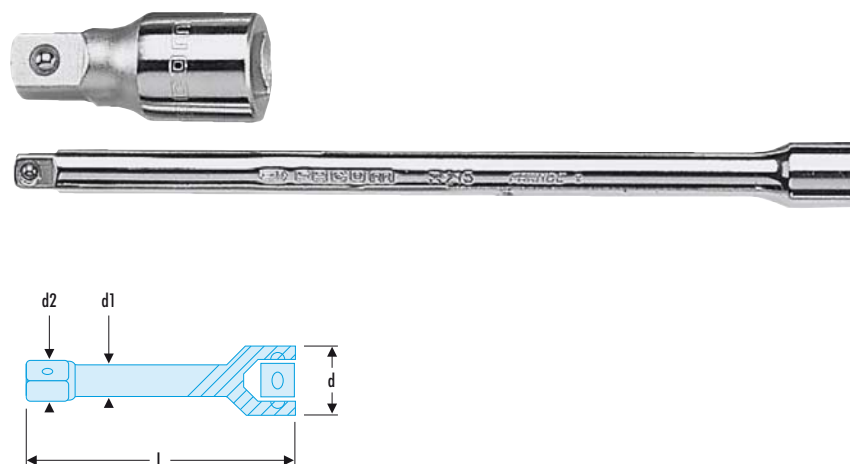
3/8" long-reach drive tee with universal joint



- Universal joint withstands high torques and is spring-steadied in position.
- Long reach and working angle up to 65° allows access to recessed fasteners.
- Sliding tee handle for a T or L position for more power.
- Finish: bright chrome.

| Part No. | d [mm] | d1 [mm] | d2 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|---------|--------|---------|--------|
| J.228 | 18 | 12 | 19 | 700 | 190 | 660 |

J - 3/8" drive extensions

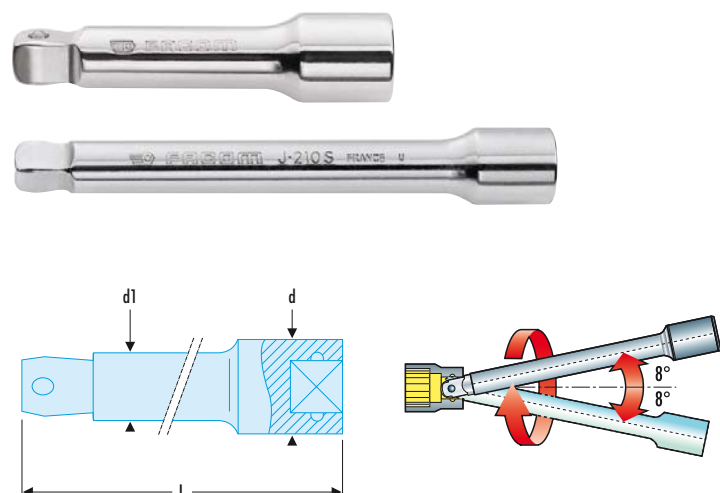


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Finish: bright chrome.

| Part No. | d [mm] | d1 [mm] | d2 [mm] | L [mm] | ΔΔ [g] |
|--------------|--------|---------|---------|--------|--------|
| J.208 | 18 | 10 | 12,6 | 50 | 62 |
| J.209 | 18 | 10 | 12,6 | 75 | 86 |
| J.210 | 18 | 10 | 12,6 | 125 | 127 |
| J.215 | 18 | 10 | 12,6 | 250 | 230 |
| J.217 | 18 | 10 | 12,6 | 500 | 445 |

J.S - 3/8" drive wobble extensions

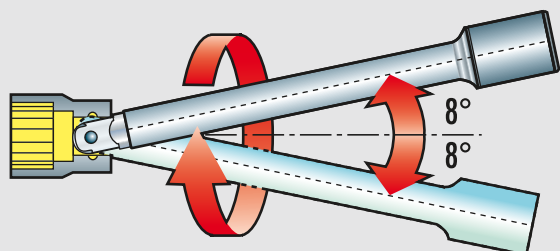


- Square drive profile gives 8° working angle.
- Useful where access is limited.
- Finish: bright chrome.

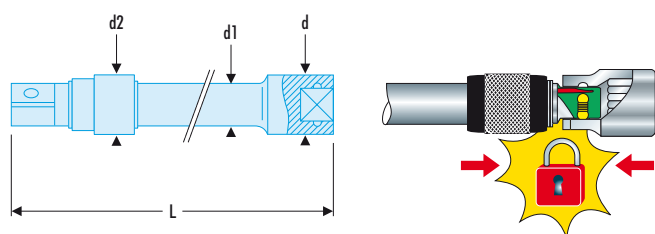
| Part No. | d [mm] | d1 [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|
| J.209S | 18 | 12,5 | 75 | 80 |
| J.210S | 18 | 12,5 | 125 | 130 |

WOBBLE EXTENSION

Hard to access with a socket or universal joint? USE A WOBBLE EXTENSION !



J.RC - 3/8" drive locking extensions

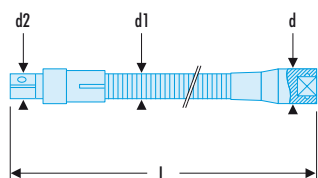


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Total safety as lock system prevents socket loss.
- Finish: bright chrome with phosphate-hardened ring.

| ➤ | d [mm] | d1 [mm] | d2 [mm] | L [mm] | ΔΔ [g] |
|----------------|--------|---------|---------|--------|--------|
| J.210RC | 18 | 12,5 | 18 | 125 | 135 |
| J.215RC | 18 | 12,5 | 18 | 250 | 240 |
| J.217RC | 18 | 12,5 | 18 | 500 | 490 |

3/8" wobble extension

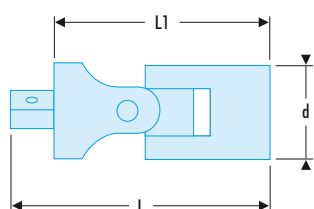


ASME B107.10

- Maximum access.
- Unsuitable for high torques.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | d2 [mm] | L [mm] | ΔΔ [g] |
|--------------|--------|---------|---------|--------|--------|
| J.216 | 18 | 12,6 | 15 | 200 | 145 |

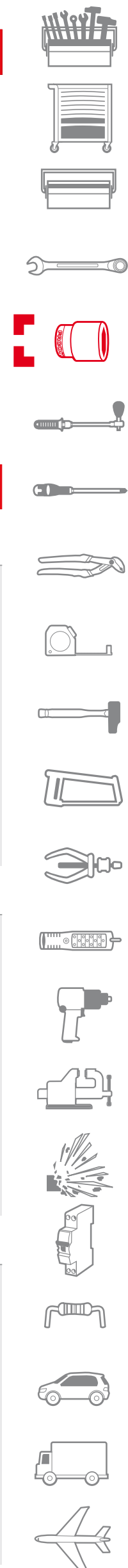
3/8" universal joint



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

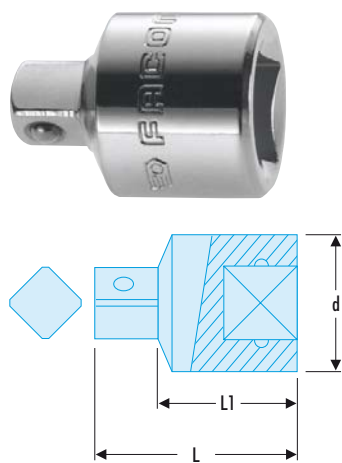
- Spring-stiffened joints.
- Finish: bright chrome.

| ➤ | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|
| J.240A | 18 | 51,5 | 36,5 | 60 |



"Junior" 3/8" range

3/8" to 1/4" coupler

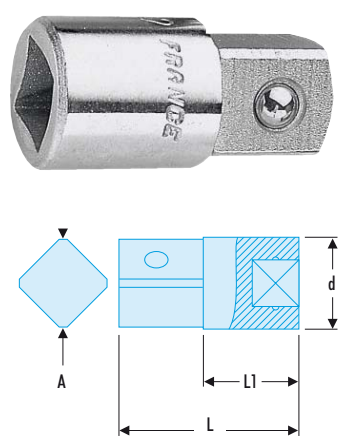


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- For adapting 1/4" drive sockets.
- Max. torque 62 N.m.
- Finish: bright chrome.

| Part No. | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------|--------|--------|---------|--------|
| J.230 | 17,5 | 24,5 | 17 | 25 |

3/8" to 1/2" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- For adapting 1/2" drive sockets.
- Finish: bright chrome.

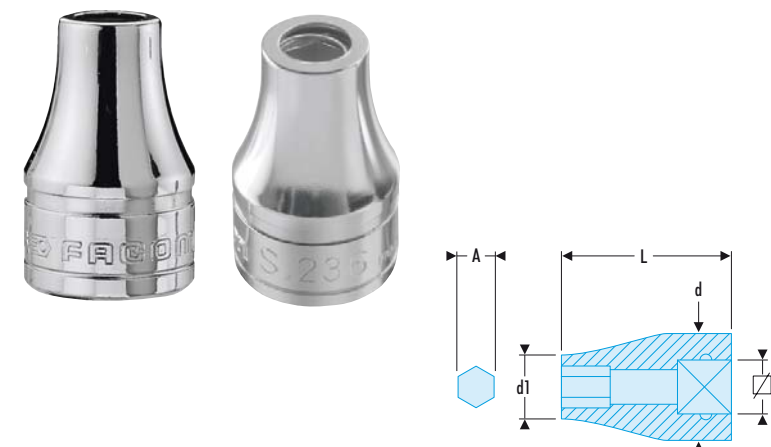
| Part No. | A [mm] | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------|--------|--------|--------|---------|--------|
| J.232 | 16,5 | 18 | 34,5 | 19 | 45 |

D.169 Set of 3 couplers



- Allows use of square drivers smaller than socket drive sizes:
 - 1/4" square drive + D.169RJ --> 3/8" socket.
 - 3/8" square drive + D.169JS --> 1/2" socket.
 - 1/2" square drive --> 3/4" socket.
 - Compactness means that fewer tools are needed for in situ maintenance operations.
 - Magnetic retainer and locking system (JS and SK).
 - Knurl allows hand tightening where access is difficult.
- Weight: 96 g.

J - 3/8" bit holder sockets with retaining clip



NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- Spring clip for frequent bit changes.
- For frequent removals.
- Finish: bright chrome.
- J.235: 1/4 bits.
- J.236: 5/16 bits.

| Part No. | A ["] | Square ["] | d [mm] | d1 [mm] | L [mm] | ΔΔ [g] |
|----------|-------|------------|--------|---------|--------|--------|
| J.235 | 1/4 | 3/8 | 18,0 | 11,3 | 30 | 26 |
| J.236 | 5/16 | 3/8 | 18,0 | 14 | 30 | 30 |

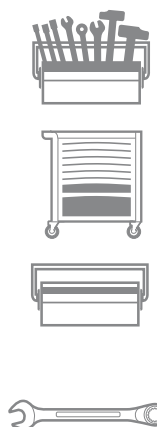
3/8" bit holder socket with locking ring



NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

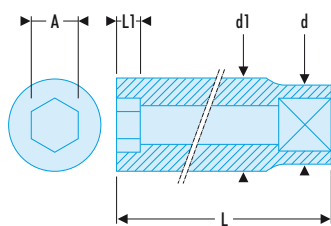
- Bit lock.
- Square drive has side-hole for ball or plunger lock.

| EF | A ["] | Square ["] | L [mm] | ΔΔ [g] |
|-------------|-------|------------|--------|--------|
| EF.J | 1/4 | 3/8 | 43 | 48 |



Sockets 3/8"

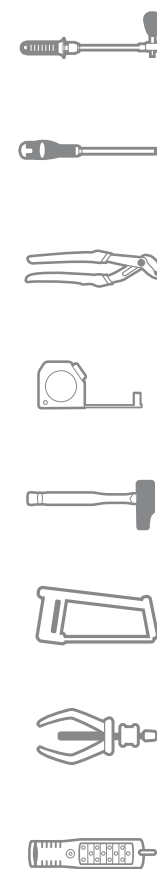
J.H - 3/8" metric 6-point sockets



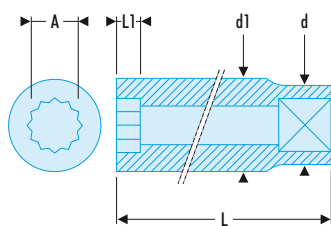
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Available as rack sets (Ref J.40U).
- Finish: bright chrome.

| EF | A [mm] | ⊙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|--------|---------|--------|---------|--------|
| J.7H | 7 | 6 | 17,6 | 11,0 | 27 | 6,0 | 24 |
| J.8H | 8 | 6 | 17,6 | 12,2 | 27 | 6,5 | 25 |
| J.9H | 9 | 6 | 17,6 | 13,5 | 27 | 6,7 | 25 |
| J.10H | 10 | 6 | 17,6 | 14,7 | 27 | 7,8 | 26 |
| J.11H | 11 | 6 | 17,6 | 16,0 | 27 | 9,0 | 27 |
| J.12H | 12 | 6 | 17,6 | 17,2 | 27 | 9,5 | 26 |
| J.13H | 13 | 6 | 17,4 | 18,3 | 30 | 10,4 | 36 |
| J.14H | 14 | 6 | 17,6 | 19,5 | 30 | 10,5 | 34 |
| J.15H | 15 | 6 | 18,9 | 20,8 | 30 | 12,0 | 38 |
| J.16H | 16 | 6 | 19,9 | 22,0 | 30 | 12,0 | 45 |
| J.17H | 17 | 6 | 21,7 | 23,4 | 30 | 13,0 | 52 |
| J.18H | 18 | 6 | 21,7 | 24,7 | 33 | 13,0 | 69 |
| J.19H | 19 | 6 | 22,7 | 26,0 | 33 | 14,0 | 62 |
| J.20H | 20 | 6 | 22,2 | 27,2 | 33 | 15,0 | 70 |
| J.21H | 21 | 6 | 23,5 | 28,5 | 33 | 16,0 | 75 |
| J.22H | 22 | 6 | 24,7 | 29,7 | 33 | 16,5 | 80 |
| J.23H | 23 | 6 | 26,0 | 31,0 | 33 | 16,5 | 90 |
| J.24H | 24 | 6 | 26,3 | 31,3 | 33 | 16,5 | 86 |



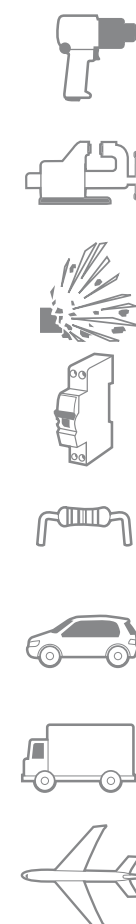
J - 3/8" metric 12-point sockets



NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

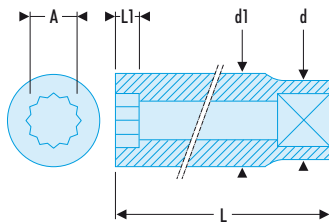
- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

| EF | A [mm] | ⊙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-------------|--------|--------|--------|---------|--------|---------|--------|
| J.7 | 7 | 12 | 17,6 | 11,0 | 27 | 6,0 | 24 |
| J.8 | 8 | 12 | 17,6 | 12,2 | 27 | 6,5 | 25 |
| J.9 | 9 | 12 | 17,6 | 13,5 | 27 | 6,7 | 25 |
| J.10 | 10 | 12 | 17,6 | 14,7 | 27 | 7,8 | 26 |
| J.11 | 11 | 12 | 17,6 | 16,0 | 27 | 9,0 | 27 |
| J.12 | 12 | 12 | 17,6 | 17,2 | 27 | 9,5 | 26 |
| J.13 | 13 | 12 | 17,5 | 18,3 | 30 | 10,4 | 36 |
| J.14 | 14 | 12 | 17,7 | 19,5 | 30 | 10,5 | 34 |
| J.15 | 15 | 12 | 19,0 | 20,8 | 30 | 12,0 | 38 |
| J.16 | 16 | 12 | 20,0 | 22,0 | 30 | 12,0 | 45 |
| J.17 | 17 | 12 | 21,7 | 23,4 | 30 | 13,0 | 52 |
| J.18 | 18 | 12 | 21,7 | 24,7 | 33 | 13,0 | 69 |
| J.19 | 19 | 12 | 22,7 | 26,0 | 33 | 14,0 | 62 |
| J.20 | 20 | 12 | 22,2 | 27,2 | 33 | 15,0 | 70 |
| J.21 | 21 | 12 | 23,5 | 28,5 | 33 | 16,0 | 75 |
| J.22 | 22 | 12 | 24,7 | 29,7 | 33 | 16,5 | 80 |
| J.23 | 23 | 12 | 26,0 | 31,0 | 33 | 16,5 | 90 |
| J.24 | 24 | 12 | 26,3 | 31,3 | 33 | 16,5 | 86 |



"Junior" 3/8" range

▣ J - 3/8" inch 12-point sockets

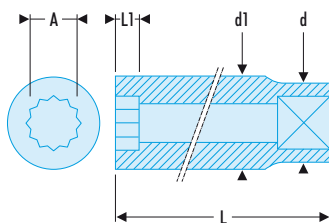


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Available as rack sets (Ref J.40U).
- Finish: bright chrome.

| ➤ | A ["] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------|-------|--------|--------|---------|--------|---------|--------|
| J.1/4 | 1/4 | 12 | 17,5 | 10,0 | 27 | 6,0 | 24 |
| J.5/16 | 5/16 | 12 | 17,5 | 11,9 | 27 | 6,5 | 25 |
| J.3/8 | 3/8 | 12 | 17,6 | 14,1 | 27 | 7,5 | 26 |
| J.7/16 | 7/16 | 12 | 17,5 | 16,0 | 27 | 9,0 | 27 |
| J.1/2 | 1/2 | 12 | 17,5 | 18,1 | 30 | 10,4 | 36 |
| J.9/16 | 9/16 | 12 | 17,7 | 19,5 | 30 | 10,5 | 34 |
| J.5/8 | 5/8 | 12 | 20,0 | 22,0 | 30 | 12,0 | 46 |
| J.11/16 | 11/16 | 12 | 21,0 | 24,0 | 33 | 13,0 | 74 |
| J.3/4 | 3/4 | 12 | 22,7 | 26,0 | 33 | 14,0 | 76 |
| J.13/16 | 13/16 | 12 | 23,0 | 28,0 | 33 | 16,0 | 79 |
| J.7/8 | 7/8 | 12 | 24,7 | 29,7 | 33 | 16,5 | 104 |
| J.15/16 | 15/16 | 12 | 26,3 | 31,3 | 33 | 16,5 | 136 |
| J.1' | 1 | 12 | 28,3 | 33,3 | 33 | 16,5 | 156 |

▣ JB - 3/8" inch 12-point sockets

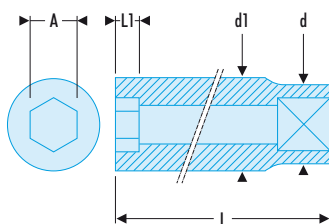


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Built to aeronautical specifications.
- Finish: bright chrome.

| ➤ | A ["] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------|-------|--------|--------|---------|--------|---------|--------|
| JB.1/4 | 1/4 | 12 | 16,7 | 9,7 | 27 | 6,0 | 20 |
| JB.5/16 | 5/16 | 12 | 16,7 | 11,7 | 27 | 6,8 | 21 |
| JB.11/32 | 11/32 | 12 | 16,7 | 12,7 | 27 | 6,8 | 22 |
| JB.3/8 | 3/8 | 12 | 16,7 | 13,7 | 27 | 7,5 | 23 |
| JB.7/16 | 7/16 | 12 | 16,7 | 15,6 | 27 | 9,0 | 24 |
| JB.1/2 | 1/2 | 12 | 16,7 | 17,6 | 30 | 10,4 | 27 |
| JB.9/16 | 9/16 | 12 | 18,5 | 19,6 | 30 | 10,5 | 33 |
| JB.5/8 | 5/8 | 12 | 20,0 | 21,6 | 30 | 12,0 | 42 |
| JB.11/16 | 11/16 | 12 | 22,0 | 23,6 | 32 | 13,0 | 50 |
| JB.3/4 | 3/4 | 12 | 22,8 | 25,4 | 32 | 15,0 | 55 |
| JB.13/16 | 13/16 | 12 | 24,0 | 27,4 | 32 | 16,0 | 68 |
| JB.7/8 | 7/8 | 12 | 24,0 | 29,4 | 32 | 16,0 | 68 |

▣ J.HLA - 3/8" long-reach metric 6-point sockets

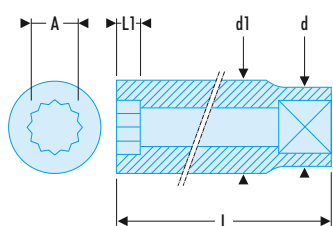


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Available as rack set Ref JL.40E (7 --> 15 mm) and Ref RL.41E (16 --> 24 mm).
- Finish: bright chrome.

| ➤ | A [mm] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------|--------|--------|--------|---------|--------|---------|--------|
| J.7HLA | 7 | 6 | 17,3 | 10,6 | 55 | 6,0 | 44 |
| J.8HLA | 8 | 6 | 17,3 | 12,0 | 55 | 7,5 | 46 |
| J.9HLA | 9 | 6 | 17,3 | 13,0 | 55 | 7,5 | 47 |
| J.10HLA | 10 | 6 | 17,3 | 14,5 | 55 | 9,0 | 50 |
| J.11HLA | 11 | 6 | 17,3 | 16,0 | 55 | 10,5 | 53 |
| J.12HLA | 12 | 6 | 17,2 | 16,8 | 55 | 12,0 | 53 |
| J.13HLA | 13 | 6 | 17,0 | 18,0 | 55 | 12,0 | 54 |
| J.14HLA | 14 | 6 | 18,0 | 20,0 | 55 | 15,0 | 60 |
| J.15HLA | 15 | 6 | 20,0 | 21,0 | 60 | 15,0 | 75 |
| J.16HLA | 16 | 6 | 20,0 | 22,0 | 60 | 15,0 | 85 |
| J.17HLA | 17 | 6 | 22,0 | 23,5 | 60 | 15,0 | 102 |
| J.18HLA | 18 | 6 | 23,0 | 24,5 | 60 | 18,0 | 109 |
| J.19HLA | 19 | 6 | 24,0 | 25,0 | 60 | 18,0 | 110 |
| J.21HLA | 21 | 6 | 26,0 | 27,0 | 60 | 18,0 | 123 |
| J.22HLA | 22 | 6 | 28,0 | 29,0 | 60 | 21,0 | 150 |
| J.24HLA | 24 | 6 | 30,0 | 31,0 | 60 | 24,0 | 176 |

■ J.LA - 3/8" long-reach metric 12-point sockets

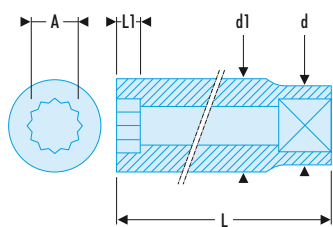


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Available as rack sets (Ref JL.40U).
- Finish: bright chrome.

| ➤ | A [mm] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------|--------|--------|--------|---------|--------|---------|--------|
| J.7LA | 7 | 12 | 17,3 | 10,6 | 55 | 6,0 | 44 |
| J.8LA | 8 | 12 | 17,3 | 12,0 | 55 | 7,5 | 46 |
| J.9LA | 9 | 12 | 17,3 | 13,0 | 55 | 7,5 | 47 |
| J.10LA | 10 | 12 | 17,3 | 14,5 | 55 | 9,0 | 50 |
| J.11LA | 11 | 12 | 17,3 | 16,0 | 55 | 10,5 | 53 |
| J.12LA | 12 | 12 | 17,3 | 16,8 | 55 | 12,0 | 53 |
| J.13LA | 13 | 12 | 17,2 | 18,0 | 55 | 12,0 | 54 |
| J.14LA | 14 | 12 | 17 | 20,0 | 55 | 15,0 | 60 |
| J.15LA | 15 | 12 | 18 | 21,0 | 55 | 15,0 | 75 |
| J.16LA | 16 | 12 | 20 | 22,0 | 60 | 15,0 | 85 |
| J.17LA | 17 | 12 | 20 | 23,5 | 60 | 15,0 | 102 |
| J.18LA | 18 | 12 | 22 | 24,5 | 60 | 18,0 | 109 |
| J.19LA | 19 | 12 | 23 | 25,0 | 60 | 18,0 | 110 |
| J.21LA | 21 | 12 | 24 | 27,0 | 60 | 18,0 | 123 |
| J.22LA | 22 | 12 | 26 | 29,0 | 60 | 21,0 | 150 |
| J.24LA | 24 | 12 | 30 | 31,0 | 60 | 21,0 | 176 |

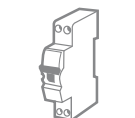
■ J.LA - 3/8" inch 12-point sockets



ASME B107.1

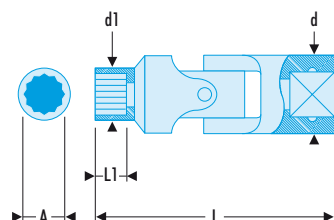
- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

| ➤ | A ["] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------|-------|--------|--------|---------|--------|---------|--------|
| J.1/4LA | 1/4 | 12 | 17,5 | 10,6 | 44,7 | 4,0 | 36 |
| J.5/16LA | 5/16 | 12 | 17,5 | 12,4 | 44,7 | 4,3 | 36 |
| J.3/8LA | 3/8 | 12 | 17,5 | 14,3 | 44,7 | 4,7 | 41 |
| J.7/16LA | 7/16 | 12 | 17,5 | 16,2 | 44,7 | 6,2 | 45 |
| J.1/2LA | 1/2 | 12 | 18,2 | 18,2 | 44,7 | 7,4 | 50 |
| J.9/16LA | 9/16 | 12 | 20,5 | 20,5 | 48,0 | 9,0 | 72 |
| J.5/8LA | 5/8 | 12 | 22,3 | 22,3 | 63,8 | 10,2 | 104 |
| J.11/16LA | 11/16 | 12 | 23,8 | 23,8 | 63,8 | 10,2 | 113 |
| J.3/4LA | 3/4 | 12 | 25,3 | 25,3 | 63,8 | 11,8 | 127 |
| J.13/16LA | 13/16 | 12 | 27,0 | 27,0 | 63,8 | 12,3 | 140 |
| J.7/8LA | 7/8 | 12 | 30,2 | 30,2 | 63,8 | 12,7 | 181 |
| J.15/16LA | 15/16 | 12 | 31,8 | 31,8 | 63,8 | 12,7 | 185 |
| J.1"LA | 1 | 12 | 33,4 | 33,4 | 63,8 | 12,7 | 185 |



"Junior" 3/8" range

▣ J.F - 3/8" drive hinged inch 12-point sockets



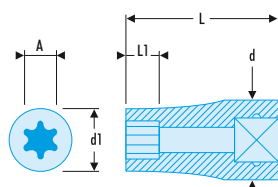
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Compact solution used instead of universal joint.
- Finish: bright chrome.

| ➤ | A ["] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|-------|--------|--------|---------|--------|---------|--------|
| J.3/8F | 3/8 | 12 | 19 | 14,0 | 47,5 | 8,3 | 55 |
| J.7/16F | 7/16 | 12 | 19 | 15,8 | 49,0 | 9,8 | 55 |
| J.1/2F | 1/2 | 12 | 19 | 18,3 | 50,5 | 11,3 | 60 |
| J.9/16F | 9/16 | 12 | 19 | 19,5 | 50,5 | 11,3 | 60 |
| J.5/8F | 5/8 | 12 | 19 | 22,00 | 53,5 | 12,8 | 70 |
| J.11/16F | 11/16 | 12 | 19 | 24,00 | 54,5 | 13,8 | 72 |
| J.3/4F | 3/4 | 12 | 19 | 25,8 | 56,5 | 15,8 | 80 |

Torx® sockets 3/8"

▣ JTX - 3/8" Torx® sockets

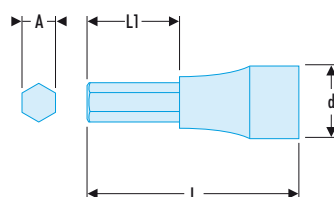


- For Torx® fasteners.
- Available as metal rack set (Ref JTX.40).
- Finish: bright chrome.

| ➤ | A [mm] | Torx [No] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|-----------|--------|---------|--------|---------|--------|
| JTX.8 | 7,29 | E8 | 17,3 | 9,9 | 26 | 5,6 | 40 |
| JTX.10 | 9,19 | E10 | 17,3 | 11,8 | 26 | 6,4 | 40 |
| JTX.12 | 10,95 | E12 | 17,3 | 14,5 | 26 | 8,0 | 40 |
| JTX.14 | 12,67 | E14 | 17,3 | 15,7 | 26 | 8,8 | 50 |
| JTX.16 | 14,70 | E16 | 17,3 | 18,0 | 26 | 9,6 | 100 |

Screwdriver sockets 3/8"

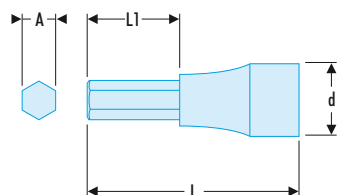
▣ JT - 3/8" drive metric bit sockets



- Removable bits.
- J.235 socket.
- Finish: bright chrome with phosphate-hardened tip.
- Available as rack set Ref JT.40.

| ➤ | A [mm] | d [mm] | Bits | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|--------|--------|---------|--------|
| JT.3 | 3 | 18 | EH.103 | 45,0 | 15,0 | 31 |
| JT.4 | 4 | 18 | EH.104 | 45,0 | 15,0 | 31 |
| JT.5 | 5 | 18 | EH.105 | 45,0 | 15,0 | 32 |
| JT.6 | 6 | 18 | EH.106 | 45,0 | 15,0 | 33 |
| JT.7 | 7 | 18 | EH.107 | 45,0 | 15,0 | 34 |
| JT.8 | 8 | 18 | EH.208 | 47,5 | 17,5 | 43 |
| JT.10 | 10 | 18 | EH.210 | 47,5 | 17,5 | 50 |

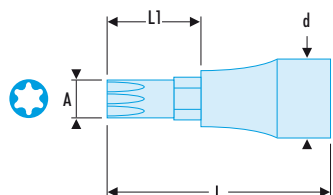
JT - 3/8" drive inch bit sockets



- Removable bits.
- J.235 sockets.
- Finish: bright chrome with phosphate-hardened tip.
- Available as metal rack set (Ref JT.40).

| ➤ | A ["] | d [mm] | Bits | L [mm] | L1 [mm] | ΔΔ [g] |
|---------|-------|--------|-----------|--------|---------|--------|
| JT.1/8 | 3,17 | 18 | EH.101/8 | 45 | 15,0 | 31 |
| JT.5/32 | 3,96 | 18 | EH.105/32 | 45 | 15,0 | 31 |
| JT.3/16 | 4,76 | 18 | EH.103/16 | 45 | 15,0 | 31 |
| JT.7/32 | 5,56 | 18 | EH.107/32 | 45 | 15,0 | 32 |
| JT.1/4 | 6,35 | 18 | EH.101/4 | 45 | 15,0 | 33 |
| JT.5/16 | 7,94 | 18 | EH.205/16 | 47,5 | 17,5 | 43 |
| JT.3/8 | 9,53 | 18 | EH.203/8 | 47,5 | 17,5 | 50 |

JX - 3/8" Torx® drive sockets



- Removable bits.
- J.236 socket.
- Finish: bright chrome with phosphate-hardened tip.

| ➤ | A [mm] | Torx [No] | Bits | L [mm] | L1 [mm] | ΔΔ [g] |
|-------|--------|-----------|--------|--------|---------|--------|
| JX.10 | 2,72 | T10 | EX.110 | 46,0 | 16,0 | 33,50 |
| JX.15 | 3,26 | T15 | EX.115 | 46,0 | 16,0 | 33,50 |
| JX.20 | 3,84 | T20 | EX.120 | 46,0 | 16,0 | 33,50 |
| JX.25 | 4,40 | T25 | EX.125 | 46,0 | 16,0 | 33,50 |
| JX.27 | 4,96 | T27 | EX.127 | 46,0 | 16,0 | 33,50 |
| JX.30 | 5,49 | T30 | EX.130 | 46,0 | 16,0 | 33,50 |
| JX.40 | 6,60 | T40 | EX.140 | 52,5 | 22,5 | 45,00 |
| JX.45 | 7,77 | T45 | EX.145 | 52,5 | 22,5 | 45,00 |
| JX.50 | 8,79 | T50 | EX.150 | 52,5 | 22,5 | 47,50 |
| JX.55 | 11,17 | T55 | EX.155 | 52,5 | 22,5 | 61,00 |

CREATE YOUR OWN BIT SOCKETS

Screw bits



- Series 1 $\hexagon 1/4"$
 - Series 2 $\hexagon 5/16"$
- See Section 7

Bit holder

3/8"



J.235
 $\hexagon 1/4"$
6.35 mm






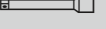


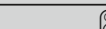


J.236
 $\hexagon 5/16"$
7.94 mm

➤ See p. 270



1/2" "DETECTION BOX" SETS

METRIC DIMENSIONS

| | | SL.DBOX1 | SL.DBOX112 | SL.DBOX4 | SL.DBOX412 |
|--|--|-------------------|------------|-----------|------------|
|  | | SL.161 | SL.161 | SL.161 | SL.161 |
|  | | 6 | 12 | 6 | 6 |
| Socket type | | Standard | Standard | Standard | Standard |
|  mm | 8 | • | • | • | • |
| | 9 | | | • | • |
| | 10 | • | • | • | • |
| | 11 | • | • | • | • |
| | 12 | • | • | • | • |
| | 13 | • | • | • | • |
| | 14 | • | • | • | • |
| | 15 | • | • | • | • |
| | 16 | • | • | • | • |
| | 17 | • | • | • | • |
| | 18 | • | • | • | • |
| | 19 | • | • | • | • |
| | 21 | • | • | • | • |
| | 22 | • | • | • | • |
|  | S.210S | | | • | • |
| | S.120A | | | • | • |
| |  S.240A | • | • | | |
| |  S.215 | • | • | | |
| |  S.210 | • | • | | |
|  | | BV.S1NANO | | BV.S2NANO | |
|  | | 340 x 180 x 58 mm | | | |
| | | 3,680 Kg | | 3,750 Kg | |

SL.DBOX1



SL.DBOX112



SL.DBOX4

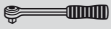












SL.DBOX412



1/2" "DETECTION BOX" SETS

METRIC DIMENSIONS

| | | S.360DBOX1 | S.360DBOX112 | S.360DBOX4 | S.360DBOX412 | S.DBOX500 | S.DBOX501 |
|--|---------|-------------------|--------------|------------|--------------|-------------------|-----------|
|  | | S.360 | S.360 | S.360 | S.360 | S.171 | S.171 |
|  | | Standard | Standard | Standard | Standard | Standard | Standard |
|  mm | 8 | • | • | • | • | • | • |
| | 9 | | | | | | |
| | 10 | • | • | • | • | • | • |
| | 11 | • | • | • | • | • | • |
| | 12 | • | • | • | • | • | • |
| | 13 | • | • | • | • | • | • |
| | 14 | • | • | • | • | • | • |
| | 15 | • | • | • | • | • | • |
| | 16 | • | • | • | • | • | • |
| | 17 | • | • | • | • | • | • |
| | 18 | • | • | • | • | • | • |
| | 19 | • | • | • | • | • | • |
| | 21 | • | • | • | • | • | • |
| | 22 | • | • | • | • | • | • |
| | 23 | | | | | | |
| 24 | • | • | • | • | • | • | |
| 27 | • | • | • | • | • | • | |
| 30 | • | • | • | • | • | • | |
| 32 | • | • | • | • | • | • | |
|  | S.210S | | | • | • | | |
| | S.120A | | | • | • | | |
|  | S.240A | • | • | | | • | • |
|  | S.215A | • | • | | | | |
|  | S.215RC | | | | | • | • |
|  | S.210 | • | • | | | | |
|  | S.210RC | | | | | • | • |
|  | | BV.S1NANO | | BV.S2NANO | | BV.S1NANO | |
|  | | 340 x 480 x 58 mm | | | | 340 x 480 x 58 mm | |
|  | | 3,890 Kg | | | | 3,740 Kg | |

S.360DBOX1



S.360DBOX112



S.360DBOX4



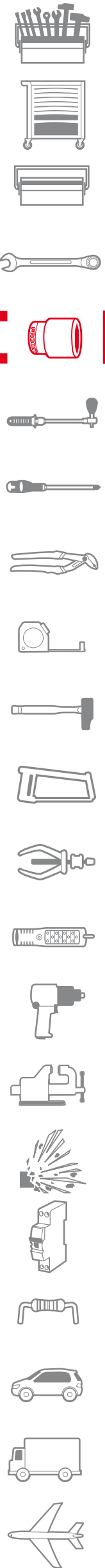
S.360DBOX412



S.DBOX500



S.DBOX501



1/2" "STANDARD" SETS

METRIC DIMENSIONS

| | | S.420B | S.423AP | S.422AP | S.200DP | S.600 |
|--------------------|----|-------------------|----------------|----------------|----------------|--------------|
| | | S.151 | S.161 | S.161 | S.161 | S.161 |
| | | 12 | 6 | 12 | 6 | 6 |
| Socket type | | Standard | Standard | Standard | Standard | Standard |
| mm | 8 | | • | • | | • |
| | 9 | | • | • | | • |
| | 10 | • | • | • | • | • |
| | 11 | • | • | • | • | • |
| | 12 | • | • | • | • | • |
| | 13 | • | • | • | • | • |
| | 14 | • | • | • | • | • |
| | 15 | • | • | • | • | • |
| | 16 | • | • | • | • | • |
| | 17 | • | • | • | • | • |
| | 18 | • | • | • | • | • |
| | 19 | • | • | • | • | • |
| | 20 | | | | | |
| | 21 | • | • | • | • | • |
| | 22 | • | • | • | • | • |
| | 23 | | | | | |
| | 24 | • | • | • | • | • |
| 26 | | | | | | |
| 27 | | | | • | • | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | • | • | |
| 32 | | | | • | • | |
| 34 | | | | | | |
| S.210 | | | • | • | • | |
| S.215 | • | | • | • | • | • |
| S.240A | | • | • | • | • | • |
| S.120A | | | | | | |
| S.110 | | | | | | |
| S.210RC | | | | | | |
| S.215RC | | | | | | |
| PL.423 | | PL.422 | PL.422 | PL.618 | PL.619 | |
| | | BP.112 | | | | |
| | | 389 x 164 x 66 mm | | | | |
| | | 2,33 Kg | 2,92 Kg | | 3,45 Kg | |

S.420B



S.423AP
S.422AP



S.200DP




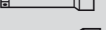
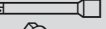









S.600



1/2" "STANDARD" SETS

METRIC DIMENSIONS

| | | S.429EP | S.428EP | S.431ADP | S.430ADP | S.441AP | S.440AP |
|--|--------|----------|----------|-------------------|----------|----------|----------|
|  | | S.161 | S.161 | S.161 | S.161 | S.161 | S.161 |
|  | | 6 | 12 | 6 | 12 | 6 | 6 |
| Socket type | | Standard | Standard | Standard | Standard | Standard | Standard |
|  mm | 8 | | | | | • | • |
| | 9 | | | | | • | • |
| | 10 | • | • | • | • | • | • |
| | 11 | • | • | • | • | • | • |
| | 12 | • | • | • | • | • | • |
| | 13 | • | • | • | • | • | • |
| | 14 | • | • | • | • | • | • |
| | 15 | • | • | • | • | • | • |
| | 16 | | | | | • | • |
| | 17 | • | • | • | • | • | • |
| | 18 | | | | | • | • |
| | 19 | • | • | • | • | • | • |
| | 20 | | | | | | |
| | 21 | | • | • | • | • | • |
| | 22 | • | • | • | • | • | • |
| | 23 | | | | | • | • |
| | 24 | • | • | • | • | • | • |
| 26 | | | | | • | • | |
| 27 | • | • | • | • | • | • | |
| 28 | | | | | • | • | |
| 29 | | | | | • | • | |
| 30 | • | • | • | • | • | • | |
| 32 | • | • | • | • | • | • | |
| 34 | | | | | • | • | |
|  | S.210 | • | • | • | • | • | • |
|  | S.215 | • | • | • | • | • | • |
|  | S.240A | • | • | • | • | • | • |
|  | S.120A | • | • | • | • | • | • |
|  | S.110 | | | | | • | • |
|  | | PL.10A | | PL.701 | | PL.619 | |
|  | | | | BR.109 | | | |
|  | | | | 478 x 234 x 72 mm | | | |
|  | | 4,03 Kg | | 4,88 Kg | | 5,95 Kg | |

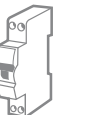
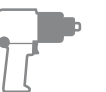
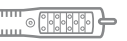
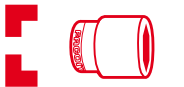
S.429EP
S.428EP ▼



S.431ADP
S.430ADP ▼










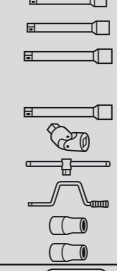



S.441AP
S.440AP ▼



1/2" "STANDARD" SETS

METRIC DIMENSIONS

| | | S.441E | S.440E | S.800 | S.900 | S.447DP | S.446DP |
|---|--------|-------------------|----------|----------|----------|----------|----------|
| | | S.151 | S.151 | S.161 | S.161 | S.161 | S.161 |
| | | 6 | 12 | 6 | 6 | 6 | 12 |
| Socket type | | Standard | Standard | Standard | Standard | Standard | Standard |
|  mm | 8 | • | • | • | • | | |
| | 9 | • | • | | | | |
| | 10 | • | • | | | | |
| | 11 | • | • | | | | |
| | 12 | • | • | | | | |
| | 13 | • | • | | | | |
| | 14 | • | • | | | | |
| | 15 | • | • | | | | |
| | 16 | • | • | | | | |
| | 17 | • | • | | | | |
| | 18 | • | • | | | | |
| | 19 | • | • | | | | |
| | 20 | | | | | | |
| | 21 | • | • | | | | |
| | 22 | • | • | | | | |
| | 23 | • | • | | | | |
| | 24 | • | • | | | | |
| 26 | • | • | | | | | |
| 27 | • | • | | | | | |
| 28 | • | • | | | | | |
| 29 | • | • | | | | | |
| 30 | • | • | | | | | |
| 32 | • | • | | | | | |
| 34 | • | • | | | | | |
|  EP | 1 | | | • | • | | |
| | 2 | | | • | • | | |
| | 3 | | | • | • | | |
|  EH | 3 | | | | | | |
| | 4 | | | • | • | | |
| | 5 | | | • | • | | |
| | 6 | | | • | • | • | • |
| | 7 | | | | | | |
|  ED | 1 | | | • | • | | |
| | 2 | | | • | • | | |
| | 3 | | | • | • | | |
|  ES | 4,5 | | | | | | |
| | 6,5 | | | • | • | | |
| | 8 | | | • | • | | |
| | 10 | | | • | • | • | • |
|  EHL | 4 | | | • | • | | |
| | 5 | | | • | • | | |
| | 6 | | | • | • | | |
| | 7 | | | • | • | | |
| | 8 | | | • | • | | |
|  EX | 10 | | | • | • | | |
| | 20 | | | • | • | | |
| | 25 | | | • | • | | |
| | 27 | | | • | • | | |
| | 30 | | | • | • | | |
| | 40 | | | • | • | | |
| | 45 | | | • | • | | |
| 50 | | | • | • | | | |
|  EXL | 30 | | | • | • | | |
| | 40 | | | • | • | | |
| | 45 | | | • | • | | |
| | 50 | | | • | • | | |
| | 50 | | | • | • | | |
|  ENH | 12 | | | | | • | • |
| | 24 | | | | | • | • |
|  | S.206 | | | • | | | |
| | S.208 | | | | • | | |
| | S.210 | • | • | | | • | • |
| | S.210S | | | | | | |
| | S.215 | • | • | • | | • | • |
| | S.240A | • | • | • | | • | • |
| | S.120A | • | • | | | • | • |
| | S.110 | • | • | | | • | • |
| | S.236 | | | • | • | • | • |
| | S.237 | | | • | • | • | • |
|  | | PL.708 | | PL.706 | PL.705 | | PL.291A |
| | | BP.109 | | | | | |
| | | 478 x 234 x 72 mm | | | | | |
| | | 5,95 Kg | | 4,70 Kg | 7,30 Kg | | 5,00 Kg |

S.441E
S.440E



S.800



S.900





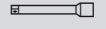






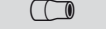







S.447DP
S.446DP



1/2" "STANDARD" SETS

METRIC DIMENSIONS

| | | S.442EP | SM.440EP | SM.441EP | S.450EP |
|--|--------------------|-------------------|--------------------|--------------------|--------------------------|
|  Socket type | | S.161 Standard | SL.161 Standard | SL.161 Standard | S.161 Standard: long |
|  mm | 7 | | | | |
| | 8 | • | • | • | • |
| | 9 | • | • | • | • |
| | 10 | • | • | • | • |
| | 11 | • | • | • | • |
| | 12 | • | • | • | • |
| | 13 | • | • | • | • |
| | 14 | • | • | • | • |
| | 15 | • | • | • | • |
| | 16 | • | • | • | • |
| | 17 | • | • | • | • |
| | 18 | • | • | • | • |
| | 19 | • | • | • | • |
| | 21 | • | • | • | • |
| | 22 | • | • | • | • |
| | 23 | • | • | • | • |
| | 24 | • | • | • | • |
| | 26 | • | • | • | • |
| | 27 | • | • | • | • |
| 28 | • | • | • | • | |
| 29 | • | • | • | • | |
| 30 | • | • | • | • | |
| 32 | • | • | • | • | |
| 34 | • | • | • | • | |
|  EP | 3 | | | | • |
| | 4 | | | | • |
|  ENS | 314 | | | | • |
| | 316 | | | | • |
|  S.210  S.215  S.240A  S.120A  S.110  S.236  S.237  S.234  S.141A | S.210 | • | • | • | • |
| | S.215 | • | • | • | • |
| | S.240A | • | • | • | • |
| | S.120A | • | • | • | • |
| | S.110 | • | • | • | • |
| | S.236 | | | | • |
| | S.237 | | | | • |
| | S.234 | | | | • |
| S.141A | | | | • | |
|  P.21  BT.6A  468 x 190 x 160 mm  7,68 Kg | P.21 | | PL.708 | | PLT.11, PL.23, PL.24A |
| | BT.6A | | BP.109 | | BP.108 |
| | 468 x 190 x 160 mm | | 478 x 234 x 72 mm | | 452 x 284 x 111 mm |
| | | 7,68 Kg | 6,05 Kg | | 14,86 Kg |

S.442EP








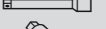





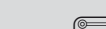
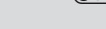


SM.440EP
SM.441EP



S.450EP



1/2" "STANDARD" SETS INCH DIMENSIONS

| | | S.420AU | S.441AUP | S.440AUP | SL.441AUP | SL.440AUP | S.450UP |
|--|--------|--|-------------------|--|--------------------|--|-------------------------------|
|  12 6 Socket type | | S.151 Standard | S.161 Standard | S.161 Standard | SL.161 Standard | SL.161 Standard | S.161+S.156 Standard: long |
|  " | 3/8 | • | • | • | • | • | • |
| | 7/16 | • | • | • | • | • | • |
| | 1/2 | • | • | • | • | • | • |
| | 9/16 | • | • | • | • | • | • |
| | 19/32 | • | • | • | • | • | • |
| | 5/8 | • | • | • | • | • | • |
| | 21/32 | • | • | • | • | • | • |
| | 11/16 | • | • | • | • | • | • |
| | 3/4 | • | • | • | • | • | • |
| | 25/32 | • | • | • | • | • | • |
| | 13/16 | • | • | • | • | • | • |
| | 7/8 | • | • | • | • | • | • |
| | 15/16 | • | • | • | • | • | • |
| | 31/32 | • | • | • | • | • | • |
| | 1' | • | • | • | • | • | • |
| | 1'1/16 | • | • | • | • | • | • |
| 1'1/8 | • | • | • | • | • | • | |
| 1'1/4 | • | • | • | • | • | • | |
|  EP | 3 | | | | | | • |
| | 4 | | | | | | • |
|  ENS | 314 | | | | | | • |
| | 316 | | | | | | • |
|  S.210  S.215  S.240A  S.120A  S.110  S.236  S.237  S.234  S.141A | | • | • | • | • | • | • |
| | | • | • | • | • | • | • |
| | | • | • | • | • | • | • |
| | | | • | • | • | • | • |
| | | | | | | | • |
| | | | | | | | • |
| | | | | | | | • |
|  PL.415  BP.112 389x164x66 mm 2,43 Kg | | PL.702 BP.109 478x234x72 mm 5,18 Kg | | PL.702 BP.109 478x234x72 mm 5,13 Kg | | PLT.11, PL.23, PL.24A BT.108 452x284x111 mm 13,03 Kg | |

S.420AU



**S.441AUP
S.440AUP**



**SL.441AUP
SL.440AUP**













S.450UP



1/2" SOCKETS SETS

STANDARD SETS

|  | | S.401A | S.400A | S.405E | S.404E | STM.J9 | AMEX.3 |
|---|--------|---|---|---|---|------------------------------|--------|
|  TORX® | |  |  |  |  | - | - |
| Socket type | | Standard | Standard | Long | Long | Hexagonal screwdriver socket | TORX® |
|  | 8 | • | • | | | | |
| | 9 | • | • | | | | |
| | 10 | • | • | | | | |
| | 11 | • | • | | | | |
| | 12 | • | • | • | • | | |
| | 13 | • | • | • | • | | |
| | 14 | • | • | • | • | | |
| | 15 | • | • | • | • | | |
| | 16 | • | • | • | • | | |
| | 17 | • | • | • | • | | |
| | 18 | • | • | • | • | | |
| | 19 | • | • | • | • | | |
| | 21 | • | • | • | • | | |
| | 22 | • | • | • | • | | |
| 23 | • | • | • | • | | | |
| 24 | • | • | • | • | | | |
| 26 | • | • | • | • | | | |
| 27 | • | • | • | • | | | |
| 28 | • | • | • | • | | | |
| 29 | • | • | • | • | | | |
| 30 | • | • | • | • | | | |
| 32 | • | • | • | • | | | |
|  | STM.5 | | | | | • | |
| | STM.6 | | | | | • | |
| | STM.7 | | | | | • | |
| | STM.8 | | | | | • | |
| | STM.10 | | | | | • | |
| | STM.12 | | | | | • | |
| | STM.14 | | | | | • | |
| | STM.17 | | | | | • | |
| STM.19 | | | | | • | | |
|  | SXM.20 | | | | | | • |
| | SXM.25 | | | | | | • |
| | SXM.27 | | | | | | • |
| | SXM.30 | | | | | | • |
| | SXM.40 | | | | | | • |
| | SXM.45 | | | | | | • |
| | SXM.50 | | | | | | • |
| | SXM.55 | | | | | | • |
| SXM.60 | | | | | | • | |
|  | | PL.413 | | PL.52B | | PL.458 | PL.455 |
| | | BP.112 | | BP.109 | | BP.102 | |
| | | 389 x 164 x 66 mm | | 478 x 234 x 72 mm | | 204 x 122 x 52 mm | |
| | | 2,69 Kg | | 4,65 Kg | | 0,865 Kg | |

S.401A
S.400A



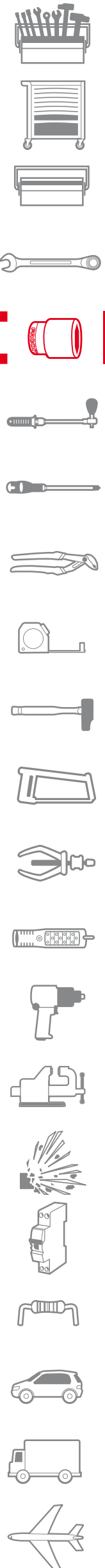
S.405E
S.404E
















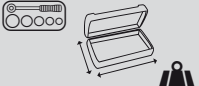
STM.J9



AMEX.3



1/2" SOCKETS SETS IN METALLIC RACK

| | |  |  |  |  |  |  |
|---|-------|---|---|---|---|---|---|
|  | |  |  |  |  | TORX | TORX |
| Socket type | | Standard | Standard | Standard | Standard | Standard | Standard 1/4" + 1/2" |
|  | mm | | | | | | |
| | 7 | | | | | | |
| | 8 | • | | | | | |
| | 9 | • | | | | | |
| | 10 | • | | | | | |
| | 11 | • | | | | | |
| | 12 | • | | | | | |
| | 13 | • | | | | | |
| | 14 | • | | | | | |
| | 15 | • | | | | | |
| | 16 | • | | | | | |
| | 17 | | | • | | | |
| | 18 | | | • | | | |
| | 19 | | | • | | | |
| | 21 | | | • | | | |
| | 22 | | | • | | | |
| 23 | | | • | | | | |
| 24 | | | • | | | | |
|  | " | | | | | | |
| | 3/8 | | | • | | | |
| | 7/16 | | | • | | | |
| | 1/2 | | | • | | | |
| | 9/16 | | | • | | | |
| | 19/32 | | | • | | | |
| | 5/8 | | | • | | | |
| | 21/32 | | | • | | | |
| | 11/16 | | | | • | | |
| | 3/4 | | | | • | | |
| | 13/16 | | | | • | | |
| | 7/8 | | | | • | | |
| 15/16 | | | | • | | | |
| 1" | | | | • | | | |
| TORX® | E.6 | | | | | | • |
| | E.8 | | | | | | • |
| | E.10 | | | | | | • |
| | E.12 | | | | | • | • |
| | E.14 | | | | | • | • |
| | E.16 | | | | | • | • |
| | E.18 | | | | | • | |
| | E.20 | | | | | • | |
|  | | CKS.95 | CKS.95 | CKS.97 | CKS.95 | CKS.90 | CKS.98 |
| | | 0,570 Kg | 0,69 Kg | 0,465 Kg | 0,350 Kg | 0,320 Kg | 0,205 Kg |

S.40E
S.41E
S.40U
S.41U










STX.40



RSX.J6



1/2" SOCKETS SETS IN METALLIC RACK

| | | ST.40 | ST.41 | SX.41 | SV.40A | SV.41A | SV.J8A | SV.LJ6A |
|---|----------|---------|---------|---------|---------|----------|---------|---------|
| Screwdriver socket | | | | | | | | |
|   STM | STM.6 | • | | | | | | |
| | STM.8 | • | | | | | | |
| | STM.10 | • | | | | | | |
| | STM.12 | • | | | | | | |
| | STM.14 | • | | | | | | |
| | STM.17 | • | | | | | | |
| | STM.19 | • | | | | | | |
|   SXM | SXM.20 | | | • | | | | |
| | SXM.25 | | | • | | | | |
| | SXM.27 | | | • | | | | |
| | SXM.30 | | | • | | | | |
| | SXM.40 | | | • | | | | |
| | SXM.45 | | | • | | | | |
| | SXM.50 | | | • | | | | |
| | SXM.55 | | | • | | | | |
| SHPLA: long screwdriver socket for countersunk hex head screws | SHPLA.6 | | • | | | | | |
| | SHPLA.7 | | • | | | | | |
| | SHPLA.8 | | • | | | | | |
| | SHPLA.10 | | • | | | | | |
| | SHPLA.12 | | • | | | | | |
| SVLB: long screwdriver socket with multiple XZN teeth | SV.6LB | | | | | | • | • |
| | SV.8LB | | | | | • | • | • |
| | SV.10LB | | | | | • | • | • |
| | SV.12LB | | | | | • | • | • |
| SVB: long screwdriver socket with multiple XZN teeth | SV.6B | | | | • | | • | |
| | SV.8B | | | | • | | • | |
| | SV.10B | | | | • | | • | |
| | SV.12B | | | | • | | • | |
| Extra-long screwdriver socket with multiple XCN teeth | SV.10ELB | | | | | | | • |
| | SV.12ELB | | | | | | | • |
|    | CKS.97 | CKS.90 | CKS.95 | CKS.90 | | PL.247 | PL.258 | |
| | 0,830 Kg | 0,61 Kg | 0,64 Kg | 0,34 Kg | 0,44 Kg | 0,805 Kg | 0,80 Kg | |

ST.40



ST.41



SX.41



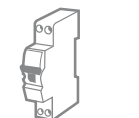
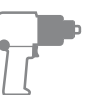
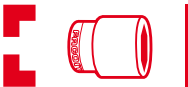
SV.40A
SV.41A




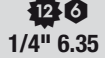







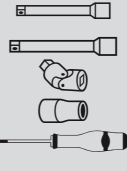


SV.J8A



SV.LJ6A



1/2" MODULES IN THERMOFORMED TRAYS METRIC-INCH

| | | MOD.SL1 | MOD.S1 | MOD.S2 | MOD.HLA | |
|--|---------------|---|---|---|---|------|
|  | | SL.161 | S.161 | S.161 | | |
|  | |  |  |  |  | |
|  1/4" 6.35 mm | | Standard | Standard | Standard | Long | Long |
|  | 3/8 | | | • | | |
| | 7/16 | | | • | | |
| | 1/2 | | | • | | |
| | 9/16 | | | • | | |
| | 19/32 | | | • | | |
| | 5/8 | | | • | | |
| | 21/32 | | | • | | |
| | 11/16 | | | • | | |
| | 3/4 | | | • | | |
| | 25/32 | | | • | | |
| | 13/16 | | | • | | |
| | 7/8 | | | • | | |
| | 15/16 | | | | | |
| | 31/32 | | | | | |
| | 1 | | | | | |
| 1 1/16 | | | | | | |
| 1 1/8 | | | | | | |
| 1 1/4 | | | | | | |
|  | 7 | | | | | • |
| | 8 | | | | | • |
| | 9 | | | | | • |
| | S.10H | • | • | | | • |
| | S.11H | • | • | | 1/2 | • |
| | S.12H | • | • | | • | 3/8 |
| | S.13H | • | • | | • | |
| | S.14H | • | • | | • | |
| | S.15H | • | • | | • | |
| | S.16H | • | • | | • | |
| | S.17H | • | • | | • | |
| | S.18H | • | • | | • | |
| S.19H | • | • | | • | | |
| S.21H | • | • | | | | |
| S.22H | • | • | | | | |
| S.23H | • | • | | | | |
| S.24H | • | • | | | | |
| S.27H | • | • | | | | |
| S.30H | • | • | | | | |
| S.32H | • | • | | | | |
|  | S.210 | • | • | • | | |
| | S.215 | • | • | • | | |
| | S.240A | • | • | • | | |
| | S.120A | | | | | |
| | S.236 | | | | | |
|  | S.232B | • | | | | |
| | S.230 | • | | | | |
|  | PL.687 | PL.323 | PL.604 | PL.609 | | |
| | 435x198x55 mm | 420x180x55 mm | 420x180x55 mm | 420x180x55 mm | | |
| | 3,36 Kg | 3,32 Kg | 2,95 Kg | 1,62 Kg | | |

MOD.SL1



MOD.S1














MOD.S2



MOD.HLA



1/2" MODULES IN THERMOFORMED TRAYS

| | | MOD.TX1 | | MOD.CH | MOD.SHP |
|---|----------|------------------------------|-----------------------|---|--|
| | | TORX® JTX Standard | TORX® STX Standard | TORX® + XZN screwdriver socket Standard + Long | TORX® + XZN screwdriver socket Long |
|   other | D.34B7L | | | • | |
| | D.34B9L | | | • | |
| | D.34B10L | | | • | |
| | D.34B12L | | | • | |
| | D.34B14L | | | • | |
| | D.34B16L | | | • | |
|  JTX 3/8" | JTX.8 | • | | • | |
| | JTX.10 | • | | • | |
| | JTX.12 | • | | | |
| | JTX.14 | • | | | |
| | JTX.16 | • | | | |
| SHP: countersunk hex long screwdriver | SHP.5LA | | | | • |
| | SHP.6LA | | | • | • |
| | SHP.7LA | | | | • |
| | SHP.8LA | | | • | • |
| | SHP.10LA | | | • | |
|  STX | STX.12 | | | • | |
| | STX.14 | | | • | |
| | STX.16 | | | • | |
| | STX.18 | • | | • | |
| | STX.20 | • | | • | |
| SVB: long screwdriver socket with multiple teeth | SV.6LB | | | • | • |
| | SV.8LB | | | • | • |
| | SV.10ELB | | | • | • |
| | SV.12ELB | | | • | • |
| | SV.14ELB | | | • | • |
| SX: screwdriver socket for TORX® | SX.40LA | | | | • |
| | SX.45LA | | | | • |
| | SX.55LA | | | • | • |
| | SX.70LA | | | • | • |
|  EXR | 10 | • | | | |
| | 15 | • | | | |
| | 20 | • | | | |
| | 25 | • | | | |
| | 30 | • | | | |
|  EX | 40 | • | | | |
| | 45 | • | | | |
| | 50 | • | | | |
| | 55 | • | | | |
| 59TX : TORX® | 6x8 | • | | | |
| | 10x12 | • | | | |
| | 14x18 | • | | | |
| | 20x27 | • | | | |
|    | R.235 | • | | | |
| | S.236 | • | | | |
| | J.235 | • | | | |
|   | | PL.360 | | PL.663 | PL.336 |
| | | 420 x 180 x 55 mm 0,99 Kg | | | |

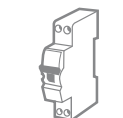
MOD.TX1






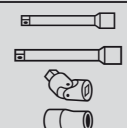

MOD.CH



MOD.SHP



1/2" MODULES IN BI-COLOUR FOAM TRAYS

| | | MODM.SL1 | MODM.S1A | MODM.HLA |
|--|---------|-------------------|----------|-----------|
|  | | SL.161 | S.161 | - |
|  | | 6 | 6 | 6 |
| Type | | Std | Std | Long |
|  mm | 8 | • | • | 3/8"+1/2" |
| | 9 | | | |
| | 10 | • | • | |
| | 11 | • | • | |
| | 12 | • | • | |
| | 13 | • | • | |
| | 14 | • | • | |
| | 15 | • | • | |
| | 16 | • | • | |
| | 17 | • | • | |
| | 18 | • | • | |
| | 19 | • | • | |
| | 20 | | | |
| | 21 | • | • | |
| | 22 | • | • | |
| | 23 | • | • | |
| | 24 | • | • | |
| | 27 | • | • | |
| | 28 | | | |
| | 29 | | | |
| 30 | • | • | | |
| 32 | • | • | | |
| 34 | | | | |
| Long-reach sockets 1/2" | S.12HLA | | | • |
| | S.13HLA | | | • |
| | S.14HLA | | | • |
| | S.15HLA | | | • |
| | S.16HLA | | | • |
| | S.17HLA | | | • |
| | S.18HLA | | | • |
| S.19HLA | | | • | |
| Long-reach sockets 3/8" | J.7HLA | | | • |
| | J.8HLA | | | • |
| | J.9HLA | | | • |
| | J.10HLA | | | • |
| | J.11HLA | | | • |
|  | S.210 | • | • | |
| | S.215 | • | • | |
| | S.240A | • | • | |
| | S.120A | • | • | |
|  | | PM.S1A | PM.S1A | PM.MODHLA |
| | | 420 x 190 x 55 mm | | |
| | | 3,40 Kg | 3,45 Kg | |

MODM.SL1



MODM.S1A

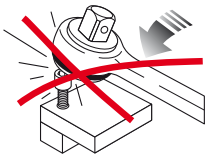
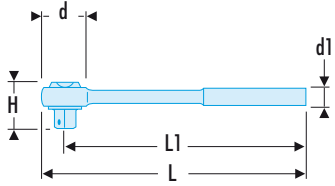


MODM.HLA



Ratchets 1/2"

1/2" maintenance free pear head ratchet

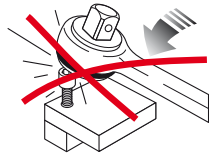
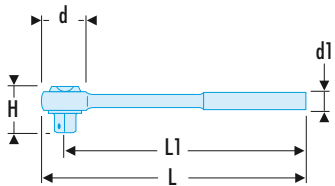


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Dust proof, maintenance free mechanism.
- 72 teeth mechanism for 5° increments.
- Drive direction switch allows easy reversal even with gloved or greasy hands.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse
- Ultra-compact head.
- Hook for hanging when working at height.
- Ergonomic comfort grip handle design resistant to workshop chemicals and solvents.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| SL.161 | 37 | 32 | 37 | 262 | 245 | 446 |

1/2" fast action twist handle ratchet

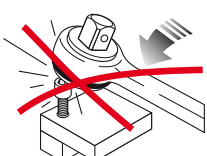
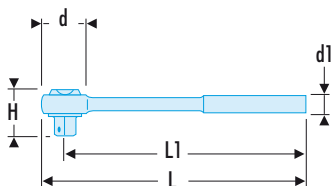


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Rotating handle jack: work twice as fast in confined spaces.
- 6° increments for final tightening.
- Socket safety locking = no sockets lost in your machines.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| S.360 | 45 | 37 | 41 | 251 | 251 | 570 |

1/2" palm control ratchet



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

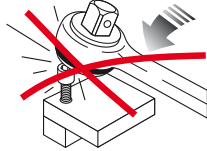
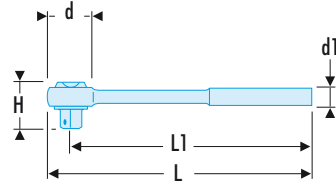
- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| S.161 | 39 | 31 | 43 | 250 | 234 | 500 |



Standard 1/2" range

Standard 1/2" ratchet

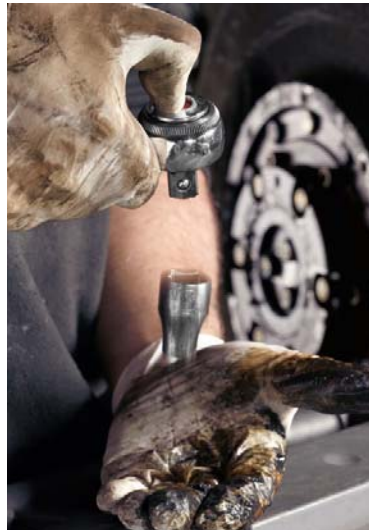
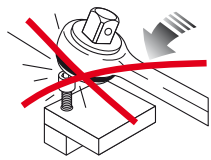
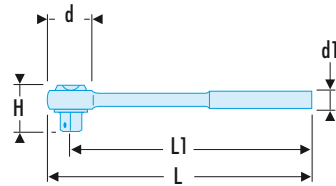


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Reversing by rotating cap.

| 🔧 | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| S.151 | 39 | 30 | 40 | 250 | 255 | 480 |

1/2" locking ratchet

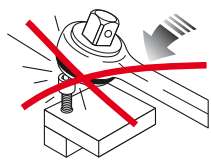
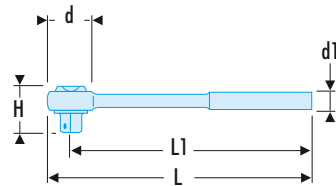


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Socket safety locking = no sockets lost in your machines.

| 🔧 | d [mm] | d1 [mm] | H [mm] | L1 [mm] | L2 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|---------|---------|--------|
| S.171 | 39 | 31 | 44 | 250 | 234 | 510 |

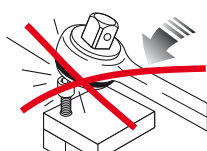
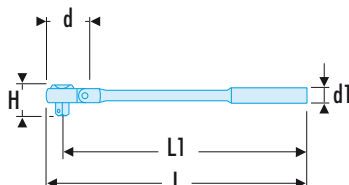
Long-reach 1/2" ratchet



- 72 teeth mechanism for 5° increments.
- Reversing by rotating cap.
- Length: 400 mm (applies more torque and reduces effort).

| 🔧 | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|--------|
| S.154 | 40 | 30 | 40 | 404 | 38 | 780 |

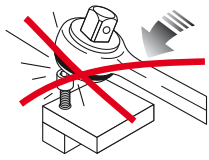
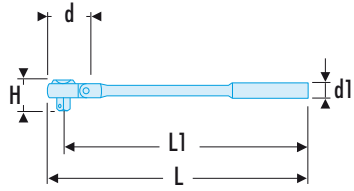
Hinged 1/2" ratchet



- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Stiffened joint to maintain the position even with an extension and the socket engaged.

| 🔧 | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| S.143A | 38 | 31 | 42 | 265 | 247 | 598 |

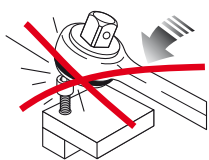
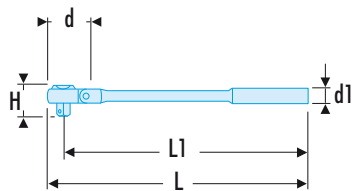
Long-reach 1/2" hinged ratchet



- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Extra-long handle to apply more torque without effort.
- Stiffened joint to maintain the position even with an extension and the socket engaged.

| 🔧 | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| S.153A | 38 | 31 | 43 | 400 | 381 | 755 |

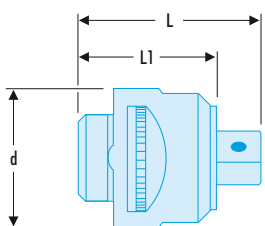
Long hinged metal grip 1/2" ratchet



- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Extra-long handle to apply more torque without effort.
- Stiffened joint to maintain the position even with an extension and the socket engaged.
- Full metal grip.

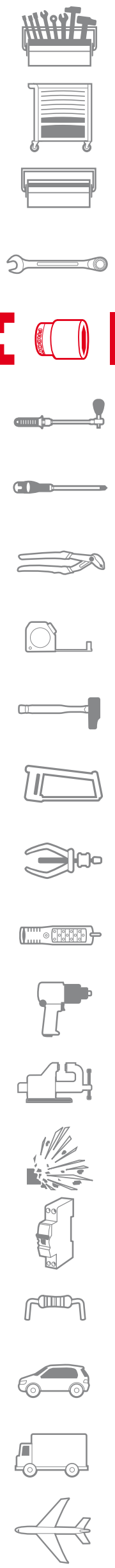
| 🔧 | d [mm] | d1 [mm] | H1 [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|---------|--------|--------|
| S.158A | 42 | 20 | | 435 | 940 |

1/2" offset ratchet






- Female square drive bit 1/2".
- Male square drive bit 1/2".
- Increment: 5°.
- Finish: bright chrome with phosphate-hardened square drive.

| 🔧 | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|---------|--------|
| S.156 | 39 | 59 | 39 | 230 |

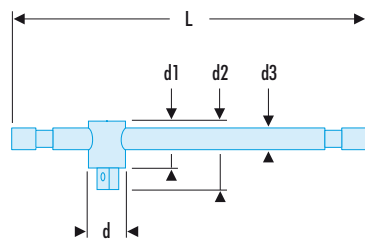


MAINTENANCE OF 1/2" RATCHETS

| | S.171 | S.161 | S.151 | S.154 | S.143A | S.153A | S.158A | S.156 |
|---|-------|-------|-------|-------|--------|--------|--------|-------|
| Caps | | | | | | | | |
|  S.161C | | • | | | • | • | • | |
| S.151C | | | • | • | | | | |
| S.156C | | | | | | | | • |
| Spare part kit | | | | | | | | |
|  S.161RN | | • | | | • | • | • | |
| S.151RN | | | • | • | | | | • |
| Rotors | | | | | | | | |
|  S.151R | | • | • | • | • | • | • | • |

Accessories 1/2"

1/2" drive sliding tee

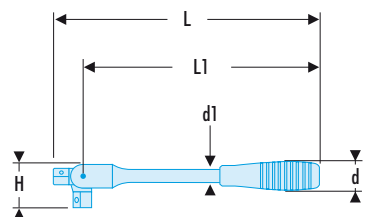


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Friction-head allows bar to form a T or L-handle.
- Finish: bright chrome.

| | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|---------|---------|--------|--------|
| S.120A | 24 | 29 | 45 | 14 | 275 | 408 |

1/2" drive hinged handle

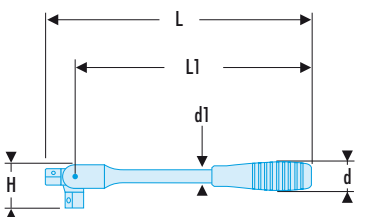


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Finish: bright chrome.

| | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| S.140A | 31 | 14 | 44 | 246 | 214,5 | 425 |

1/2" long drive hinged handle

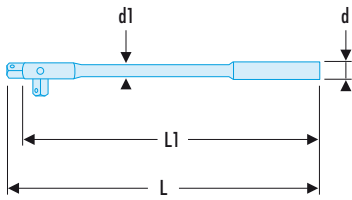


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Finish: bright chrome.

| | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|---------|--------|
| S.141A | 31 | 14 | 41 | 381 | 349,5 | 595 |

1/2" drive metal-grip hinged handle

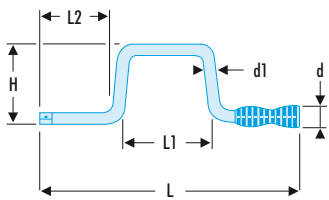


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Metal handle with knurled handle.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|---------|--------|
| S.145 | 20 | 15 | 410 | 392 | 740 |

1/2" drive speed brace

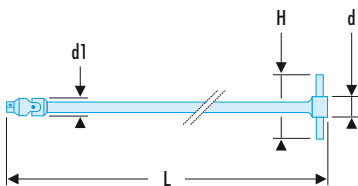


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Significant time-savings whenever space allows.
- PVC rotating handle.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | L1 [mm] | L2 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|--------|---------|---------|--------|
| S.110 | 29 | 12 | 115 | 402 | 130 | 130 | 510 |

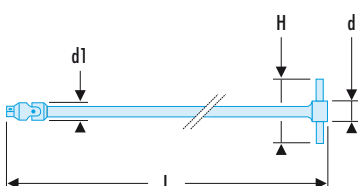
1/2" drive tee with universal joint



- Universal joint for high torques.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|--------|
| S.229A | 18 | 24 | 180 | 495 | 550 |

1/2" extra-long drive tee with universal joint



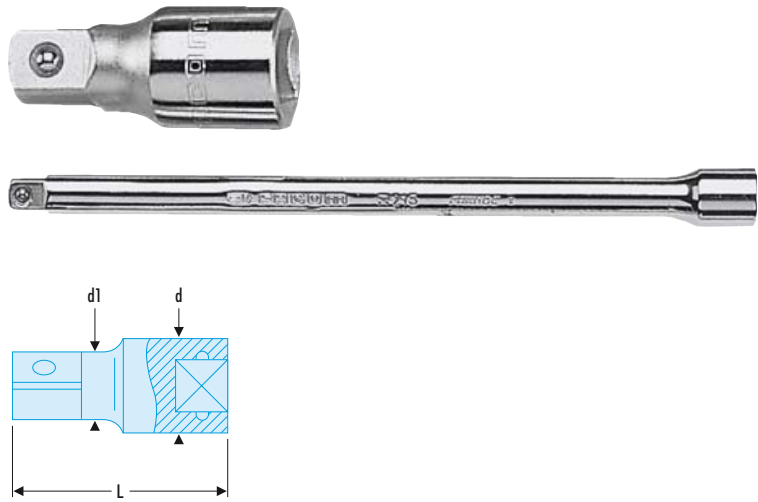
- Extended reach of tee-handle is ideal for particularly deep recesses.
- Finish: bright chrome.

| ➤ | d [mm] | d1 [mm] | H [mm] | L [mm] | ΔΔ [kg] |
|--------------|--------|---------|--------|--------|---------|
| S.228 | 24 | 25 | 240 | 700 | 1,20 |



Standard 1/2" range

■ S - 1/2" drive extensions

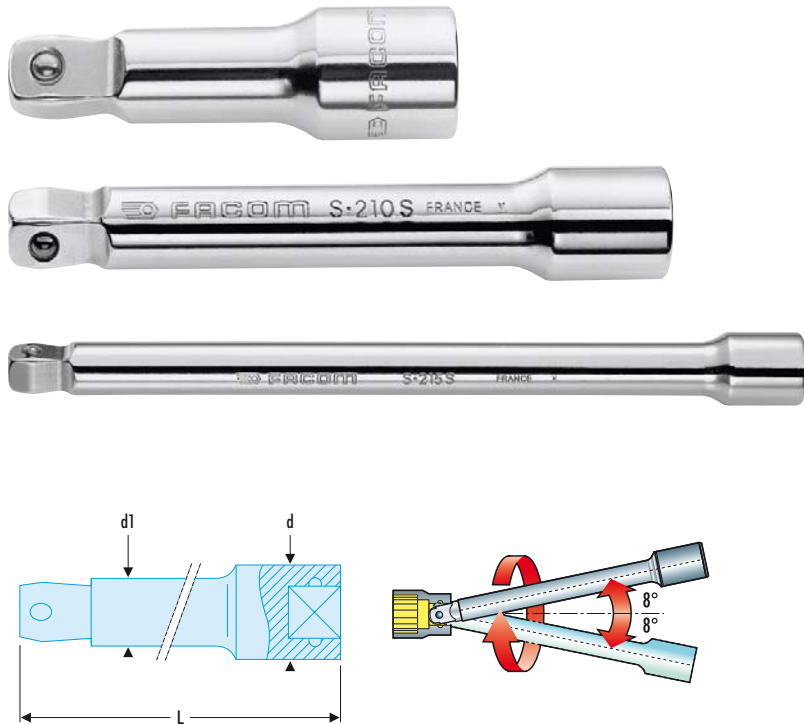


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Finish: bright chrome.

| ☞ | Square ["] | d [mm] | d1 [mm] | L [mm] | ΔΔ [g] |
|--------------|------------|--------|---------|--------|--------|
| S.206 | 1/2 | 23 | 16,5 | 52,5 | 90 |
| S.208 | 1/2 | 23 | 16,5 | 75 | 130 |
| S.210 | 1/2 | 23 | 16,5 | 130 | 225 |
| S.215 | 1/2 | 23 | 16,5 | 250 | 420 |
| S.217 | 1/2 | 23 | 16,5 | 500 | 840 |

■ S.S - 1/2" wobble drive extensions

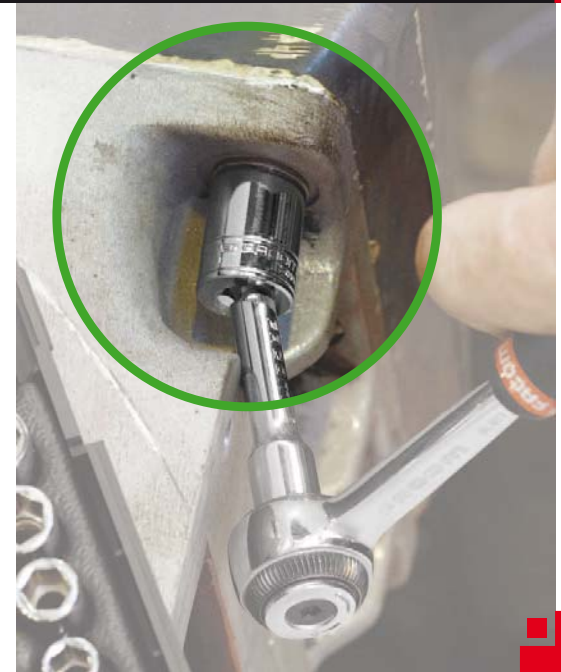
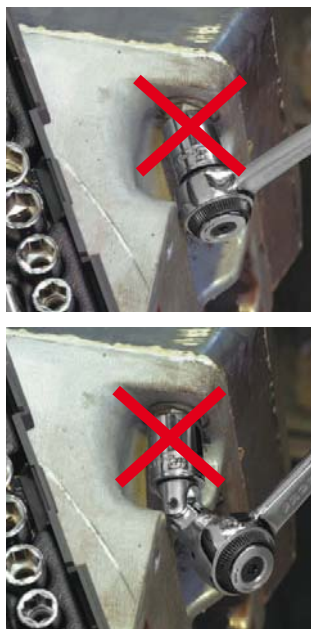
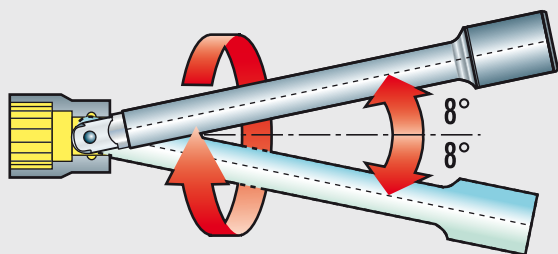


- Square drive rounded profile gives 8° working angle.
- Useful where access is limited.
- Finish: bright chrome.

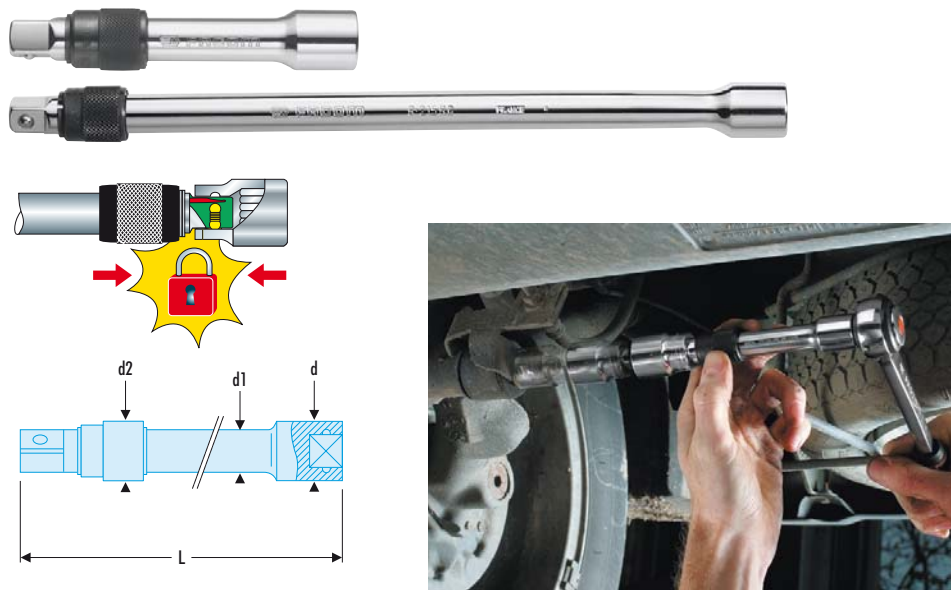
| ☞ | Square ["] | d [mm] | d1 [mm] | L [mm] | ΔΔ [g] |
|---------------|------------|--------|---------|--------|--------|
| S.208S | 1/2 | 23 | 16,5 | 75 | 130 |
| S.210S | 1/2 | 23 | 16,5 | 130 | 225 |
| S.215S | 1/2 | 23 | 16,5 | 250 | 420 |

WOBBLE EXTENSION

Hard to access with a socket or universal joint? USE A WOBBLE EXTENSION !



S.RC - 1/2" drive locking extensions

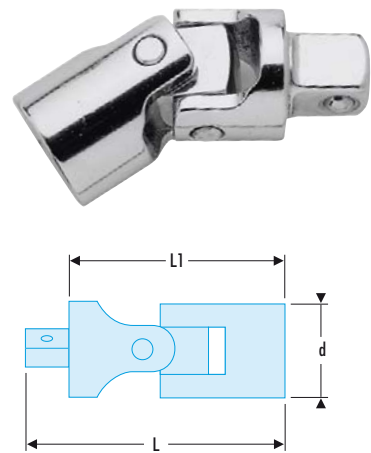


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Total safety as lock system prevents socket loss.
- Safety and instant release, by retracting knurled ring, for total user confidence.
- Positive locking for use with sockets with internal ball notch.
- Finish: bright chrome with phosphate-hardened ring.

| ☞ | Square ["] | d [mm] | d1 [mm] | d2 [mm] | E [mm] | L [mm] | ΔΔ [g] |
|----------------|------------|--------|---------|---------|--------|--------|--------|
| S.210RC | 1/2 | 23 | 16,5 | 23 | 16,5 | 130 | 250 |
| S.215RC | 1/2 | 23 | 16,5 | 23 | 16,5 | 250 | 450 |
| S.217RC | 1/2 | 23 | 16,5 | 23 | 16,5 | 500 | 860 |

1/2" universal joint

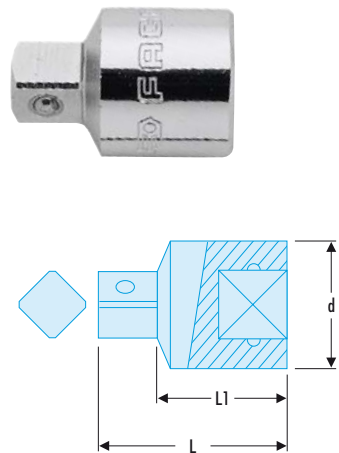


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Spring-stiffened joint.
- Stays in position when reaching for fasteners.
- Significant time savings.
- Finish: bright chrome.

| ☞ | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|
| S.240A | 23 | 66 | 51 | 150 |

1/2" to 3/8" coupler

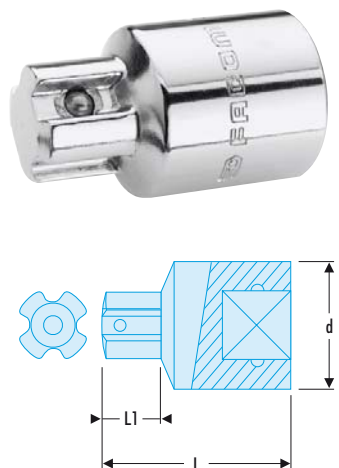


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Double 3/8" coupler
- Max torque: 212 N.m.
- Finish: bright chrome.

| ☞ | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|---------|--------|
| S.230 | 23 | 33,5 | 23 | 55 |

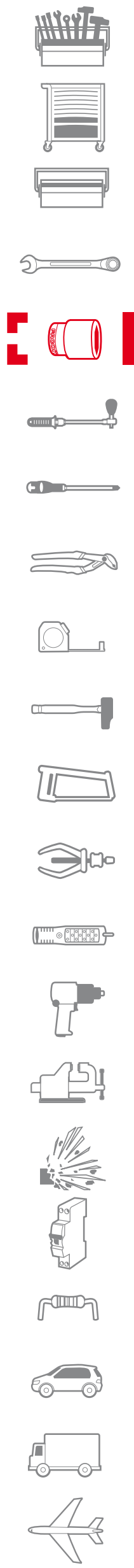
1/2" to CDX® coupler



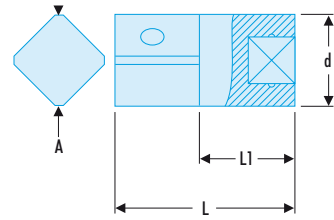
NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- 1/2" female to CDX® male square drive.
- Double "CDX®" coupler.
- Finish: bright chrome.

| ☞ | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|---------|--------|
| S.231 | 22 | 37 | 12 | 65 |



1/2" to 3/4" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- 1/2" female to 3/4" male square drive with plunger.
- For adapting sockets and accessories 3/4".
- Male square drive with plunger for positive locking of sockets and accessories.
- Finish: satin chrome.

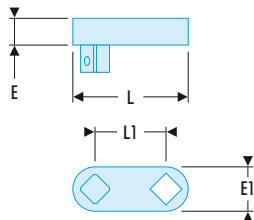
| Part | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|
| S.232B | 25 | 49 | 26 | 135 |

D.169 Set of 3 couplers



- Allows use of square drivers smaller than socket drive sizes:
 - 1/4" square drive + D.169RJ --> 3/8" socket.
 - 3/8" square drive + D.169JS --> 1/2" socket.
 - 1/2" square drive --> 3/4" socket.
 - Compactness means that fewer tools are needed for in situ maintenance operations.
 - Magnetic retainer and locking system (JS and SK).
 - Knurl allows hand tightening where access is difficult.
- Weight: 96 g.

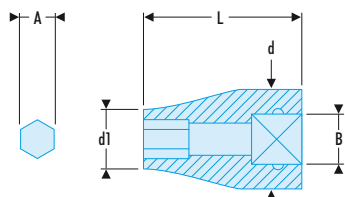
1/2" drive offset adaptor



- 1/2" female to 1/2" male square drive.
- Offset centrelines for enhanced accessibility.
- Finish: bright chrome.
- S.236: for 5/16 bits.
- S.237: for 1/2 bits.

| Part | E [mm] | E1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|---------|--------|---------|--------|
| S.234 | 15 | 25 | 65 | 40 | 165 |

S - 1/2" drive spring-clip bit holders



NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124,

- S.236: for 5/16 bits.
- S.237: for 1/2 bits.
- Finish: bright chrome.

| Part | A ["] | Vierkant ["] | d [mm] | d1 [mm] | L [mm] | ΔΔ [g] |
|--------------|-------|--------------|--------|---------|--------|--------|
| S.236 | 5/16 | 1/2 | 23,0 | 14 | 36 | 54 |
| S.237 | 1/2 | 1/2 | 23 | 20,5 | 44 | 70 |

1/2" drive lock-ring bit holder



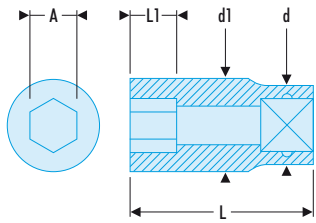
NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124,

- Bit lock.
- Square drive has side-hole for ball or plunger lock.

| Part | A ["] | Square ["] | L [mm] | ΔΔ [g] |
|------------|-------|------------|--------|--------|
| EFS | 1/4 | 1/2 | 50 | 88 |

Sockets 1/2"

■ S.H - 1/2" metric 6-point sockets

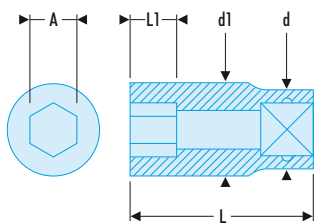


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|--------|---------|--------|---------|--------|
| S.8H | 8 | 6 | 22,8 | 13,1 | 36 | 6,5 | 48 |
| S.9H | 9 | 6 | 22,8 | 13,8 | 36 | 6,5 | 48 |
| S.10H | 10 | 6 | 22,8 | 15,3 | 36 | 7,8 | 48 |
| S.11H | 11 | 6 | 22,8 | 16,5 | 36 | 9,0 | 51 |
| S.12H | 12 | 6 | 22,8 | 17,8 | 36 | 9,5 | 52 |
| S.13H | 13 | 6 | 22,8 | 18,9 | 36 | 10,4 | 55 |
| S.14H | 14 | 6 | 22,8 | 20,2 | 36 | 10,5 | 57 |
| S.15H | 15 | 6 | 22,8 | 21,4 | 36 | 12,0 | 60 |
| S.16H | 16 | 6 | 21,6 | 22,6 | 36 | 12,0 | 57 |
| S.17H | 17 | 6 | 23,1 | 24,1 | 36 | 13,0 | 61 |
| S.18H | 18 | 6 | 23,4 | 25,5 | 36 | 13,0 | 68 |
| S.19H | 19 | 6 | 24,6 | 26,6 | 36 | 14,0 | 69 |
| S.20H | 20 | 6 | 25,4 | 27,4 | 36 | 14,0 | 71 |
| S.21H | 21 | 6 | 25,1 | 29,1 | 38 | 16,0 | 93 |
| S.22H | 22 | 6 | 26,4 | 30,4 | 38 | 16,5 | 101 |
| S.23H | 23 | 6 | 27,6 | 31,6 | 38 | 16,5 | 122 |
| S.24H | 24 | 6 | 28,7 | 32,7 | 38 | 16,5 | 130 |
| S.25H | 25 | 6 | 27,7 | 34,1 | 38 | 16,5 | 139 |
| S.26H | 26 | 6 | 29,0 | 35,4 | 38 | 16,5 | 149 |
| S.27H | 27 | 6 | 29,2 | 36,6 | 44 | 19,0 | 164 |
| S.28H | 28 | 6 | 30,5 | 37,9 | 44 | 20,0 | 175 |
| S.29H | 29 | 6 | 31,3 | 38,7 | 44 | 20,0 | 179 |
| S.30H | 30 | 6 | 33,0 | 40,4 | 44 | 20,0 | 201 |
| S.31H | 31 | 6 | 34,2 | 41,6 | 44 | 20,0 | 205 |
| S.32H | 32 | 6 | 35,1 | 42,6 | 44 | 20,0 | 215 |
| S.34H | 34 | 6 | 37,5 | 44,9 | 44 | 20,0 | 240 |

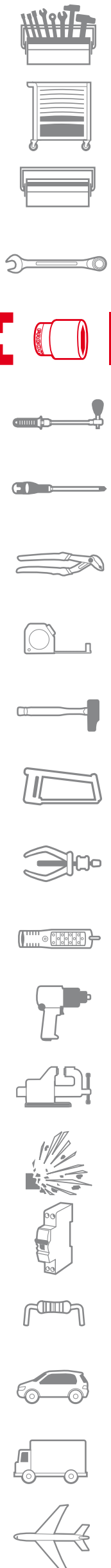
■ S.H - 1/2" inch 6-point sockets



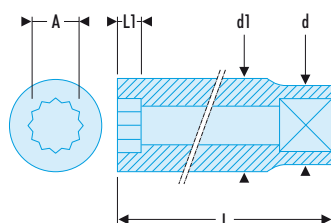
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

| ➤ | A ["] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|------------------|--------|--------|--------|---------|--------|---------|--------|
| S.3/8H | 3/8 | 6 | 22,8 | 14,7 | 36 | 7,8 | 48 |
| S.7/16H | 7/16 | 6 | 22,8 | 16,5 | 36 | 9,0 | 51 |
| S.1/2H | 1/2 | 6 | 22,8 | 18,9 | 36 | 10,4 | 55 |
| S.9/16H | 9/16 | 6 | 22,8 | 20,2 | 36 | 10,5 | 58 |
| S.19/32H | 19/32 | 6 | 22,8 | 21,4 | 36 | 12,0 | 60 |
| S.5/8H | 5/8 | 6 | 21,6 | 22,6 | 36 | 12,0 | 65 |
| S.21/32H | 21/32 | 6 | 23,1 | 24,1 | 36 | 13,0 | 65 |
| S.11/16H | 11/16 | 6 | 22,6 | 24,6 | 36 | 13,0 | 71 |
| S.3/4H | 3/4 | 6 | 25,0 | 27,0 | 36 | 14,0 | 68 |
| S.25/32H | 25/32 | 6 | 25,9 | 27,9 | 36 | 14,0 | 72 |
| S.13/16H | 13/16 | 6 | 24,6 | 28,6 | 38 | 16,0 | 96 |
| S.7/8H | 7/8 | 6 | 26,4 | 30,4 | 38 | 16,5 | 99 |
| S.15/16H | 15/16 | 6 | 28,7 | 32,7 | 38 | 16,5 | 132 |
| S.31/32H | 31/32 | 6 | 27,7 | 34,1 | 38 | 16,5 | 142 |
| S.1"H | 1 | 6 | 28,3 | 34,7 | 38 | 16,5 | 152 |
| S.1"1/16H | 1 1/16 | 6 | 29,2 | 36,6 | 44 | 19,0 | 164 |
| S.1"1/8H | 1 1/8 | 6 | 31,3 | 38,7 | 44 | 20,0 | 182 |
| S.1"3/16H | 1 3/16 | 6 | 33,0 | 40,4 | 44 | 20,0 | 201 |
| S.1"1/4H | 1 1/4 | 6 | 35,1 | 42,5 | 44 | 20,0 | 229 |



■ S - 1/2" metric 12-point sockets

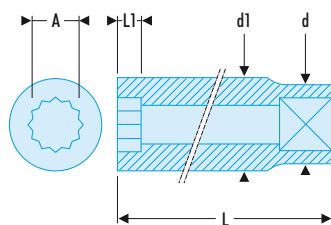


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.
- Supplied on metal rack. Ref S.40E (8 --> 16 mm) and Ref S.41E (17 --> 24 mm).

| ➤ | A [mm] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-------------|--------|--------|--------|---------|--------|---------|--------|
| S.8 | 8 | 12 | 22,8 | 13,1 | 36 | 6,5 | 48 |
| S.9 | 9 | 12 | 22,8 | 13,8 | 36 | 6,5 | 48 |
| S.10 | 10 | 12 | 22,8 | 15,3 | 36 | 7,8 | 48 |
| S.11 | 11 | 12 | 22,8 | 16,5 | 36 | 9,0 | 51 |
| S.12 | 12 | 12 | 22,8 | 17,8 | 36 | 9,5 | 52 |
| S.13 | 13 | 12 | 22,8 | 18,9 | 36 | 10,4 | 55 |
| S.14 | 14 | 12 | 22,8 | 20,2 | 36 | 10,5 | 57 |
| S.15 | 15 | 12 | 22,8 | 21,4 | 36 | 12,0 | 60 |
| S.16 | 16 | 12 | 21,6 | 22,6 | 36 | 12,0 | 57 |
| S.17 | 17 | 12 | 23,1 | 24,1 | 36 | 13,0 | 61 |
| S.18 | 18 | 12 | 23,4 | 25,4 | 36 | 13,0 | 68 |
| S.19 | 19 | 12 | 24,6 | 26,6 | 36 | 14,0 | 69 |
| S.20 | 20 | 12 | 25,4 | 27,4 | 36 | 14,0 | 71 |
| S.21 | 21 | 12 | 25,1 | 29,1 | 38 | 16,0 | 93 |
| S.22 | 22 | 12 | 26,4 | 30,4 | 38 | 16,5 | 101 |
| S.23 | 23 | 12 | 27,6 | 31,6 | 38 | 16,5 | 122 |
| S.24 | 24 | 12 | 28,7 | 32,7 | 38 | 16,5 | 130 |
| S.25 | 25 | 12 | 27,7 | 34,1 | 38 | 16,5 | 128 |
| S.26 | 26 | 12 | 29,0 | 35,4 | 38 | 16,5 | 138 |
| S.27 | 27 | 12 | 29,2 | 36,6 | 44 | 19,0 | 142 |
| S.28 | 28 | 12 | 30,5 | 37,9 | 44 | 20,0 | 163 |
| S.29 | 29 | 12 | 31,3 | 38,7 | 44 | 20,0 | 167 |
| S.30 | 30 | 12 | 33,0 | 40,4 | 44 | 20,0 | 185 |
| S.31 | 31 | 12 | 34,2 | 41,6 | 44 | 20,0 | 189 |
| S.32 | 32 | 12 | 35,1 | 42,5 | 44 | 20,0 | 198 |
| S.34 | 34 | 12 | 37,5 | 44,9 | 44 | 20,0 | 223 |

■ S - 1/2" inch 12-point sockets

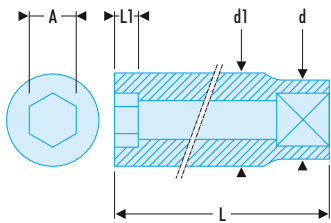


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.
- Available as rack set Ref S.40U (3/8" --> 21/32") and Ref S.41U (11/16" --> 1").

| ➤ | A ["] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|--------|--------|--------|---------|--------|---------|--------|
| S.3/8 | 3/8 | 12 | 22,8 | 14,7 | 36 | 7,8 | 48 |
| S.7/16 | 7/16 | 12 | 22,8 | 16,5 | 36 | 9,0 | 51 |
| S.1/2 | 1/2 | 12 | 22,8 | 18,9 | 36 | 10,4 | 55 |
| S.9/16 | 9/16 | 12 | 22,8 | 20,2 | 36 | 10,5 | 58 |
| S.19/32 | 19/32 | 12 | 22,8 | 21,4 | 36 | 12,0 | 60 |
| S.5/8 | 5/8 | 12 | 21,6 | 22,6 | 36 | 12,0 | 65 |
| S.21/32 | 21/32 | 12 | 23,1 | 24,1 | 36 | 13,0 | 65 |
| S.11/16 | 11/16 | 12 | 22,6 | 24,6 | 36 | 13,0 | 71 |
| S.3/4 | 3/4 | 12 | 25,0 | 27,0 | 36 | 14,0 | 68 |
| S.25/32 | 25/32 | 12 | 25,9 | 27,9 | 36 | 14,0 | 72 |
| S.13/16 | 13/16 | 12 | 24,6 | 28,6 | 38 | 16,0 | 96 |
| S.7/8 | 7/8 | 12 | 26,4 | 30,4 | 38 | 16,5 | 99 |
| S.15/16 | 15/16 | 12 | 28,7 | 32,7 | 38 | 16,5 | 132 |
| S.31/32 | 31/32 | 12 | 27,7 | 34,1 | 38 | 16,5 | 131 |
| S.1' | 1 | 12 | 28,3 | 34,7 | 38 | 16,5 | 141 |
| S.1'1/16 | 1 1/16 | 12 | 29,2 | 36,6 | 44 | 19,0 | 147 |
| S.1'1/8 | 1 1/8 | 12 | 31,3 | 38,7 | 44 | 20,0 | 170 |
| S.1'3/16 | 1 3/16 | 12 | 33,0 | 40,4 | 44 | 20,0 | 185 |
| S.1'1/4 | 1 1/4 | 12 | 35,1 | 42,5 | 44 | 20,0 | 201 |

S.HLA - 1/2" long-reach metric 6-point sockets

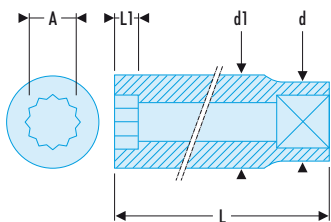


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|---------|--------|---------|--------|
| S.12HLA | 12 | 6 | 21 | 17,8 | 77 | 12 | 105 |
| S.13HLA | 13 | 6 | 21,8 | 19,0 | 77 | 12 | 115 |
| S.14HLA | 14 | 6 | 21,8 | 20,3 | 77 | 15 | 120 |
| S.15HLA | 15 | 6 | 21,8 | 21,5 | 77 | 15 | 125 |
| S.16HLA | 16 | 6 | 22,0 | 22,8 | 77 | 15 | 128 |
| S.17HLA | 17 | 6 | 23,0 | 24,0 | 77 | 15 | 140 |
| S.18HLA | 18 | 6 | 24,0 | 25,0 | 77 | 18 | 160 |
| S.19HLA | 19 | 6 | 25,0 | 26,5 | 77 | 18 | 160 |
| S.21HLA | 21 | 6 | 27,0 | 29,0 | 77 | 18 | 200 |
| S.22HLA | 22 | 6 | 28,0 | 30,0 | 77 | 21 | 215 |
| S.23HLA | 23 | 6 | 29,0 | 31,5 | 77 | 21 | 232 |
| S.24HLA | 24 | 6 | 30,0 | 32,8 | 77 | 24 | 255 |
| S.26HLA | 26 | 6 | 32,0 | 35,0 | 77 | 24 | 280 |
| S.27HLA | 27 | 6 | 33,0 | 36,5 | 77 | 27 | 310 |
| S.28HLA | 28 | 6 | 34,0 | 37,8 | 77 | 27 | 330 |
| S.29HLA | 29 | 6 | 35,0 | 39,0 | 77 | 27 | 355 |
| S.30HLA | 30 | 6 | 36,0 | 40,0 | 77 | 30 | 355 |
| S.32HLA | 32 | 6 | 38,0 | 42,8 | 77 | 33 | 408 |

S.LA - 1/2" long-reach metric 12-point sockets



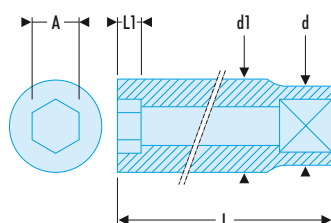
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|---------|--------|
| S.12LA | 12 | 12 | 21,0 | 17,8 | 77 | 12 | 105 |
| S.13LA | 13 | 12 | 21,8 | 19,0 | 77 | 12 | 115 |
| S.14LA | 14 | 12 | 21,8 | 20,3 | 77 | 15 | 125 |
| S.15LA | 15 | 12 | 21,8 | 21,5 | 77 | 15 | 125 |
| S.16LA | 16 | 12 | 22,0 | 22,8 | 77 | 15 | 135 |
| S.17LA | 17 | 12 | 23,0 | 24,0 | 77 | 15 | 145 |
| S.18LA | 18 | 12 | 24,0 | 25,0 | 77 | 18 | 160 |
| S.19LA | 19 | 12 | 25,0 | 26,5 | 77 | 18 | 180 |
| S.21LA | 21 | 12 | 27,0 | 29,0 | 77 | 18 | 210 |
| S.22LA | 22 | 12 | 28,0 | 30,0 | 77 | 21 | 215 |
| S.23LA | 23 | 12 | 29,0 | 31,5 | 77 | 21 | 240 |
| S.24LA | 24 | 12 | 30,0 | 32,8 | 77 | 24 | 255 |
| S.26LA | 26 | 12 | 32,0 | 35,0 | 77 | 24 | 280 |
| S.27LA | 27 | 12 | 33,0 | 36,5 | 77 | 27 | 315 |
| S.28LA | 28 | 12 | 34,0 | 37,8 | 77 | 27 | 340 |
| S.29LA | 29 | 12 | 35,0 | 39,0 | 77 | 27 | 365 |
| S.30LA | 30 | 12 | 36,0 | 40,0 | 77 | 30 | 365 |
| S.32LA | 32 | 12 | 36,0 | 42,8 | 77 | 33 | 415 |



■ S.LA - 1/2" inch 12-point sockets



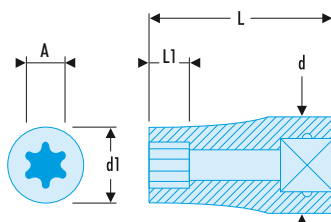
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

| ➤ | A ["] | ⚙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-------------------|--------|--------|--------|---------|--------|---------|--------|
| S.1/2LA | 1/2 | 12 | 22,3 | 19,0 | 82,2 | 8,1 | 135 |
| S.9/16LA | 9/16 | 12 | 22,3 | 20,6 | 82,2 | 9,6 | 138 |
| S.5/8LA | 5/8 | 12 | 22,3 | 22,3 | 82,2 | 10,9 | 150 |
| S.11/16LA | 11/16 | 12 | 24,4 | 24,4 | 82,2 | 10,9 | 160 |
| S.3/4LA | 3/4 | 12 | 26,9 | 26,9 | 82,2 | 12,4 | 165 |
| S.13/16LA | 13/16 | 12 | 28,7 | 28,7 | 82,2 | 12,9 | 175 |
| S.7/8LA | 7/8 | 12 | 30,2 | 30,2 | 82,2 | 14,0 | 200 |
| S.15/16LA | 15/16 | 12 | 31,7 | 31,7 | 82,2 | 15,0 | 225 |
| S.1'LA | 1 | 12 | 33,3 | 33,3 | 82,2 | 15,2 | 255 |
| S.1'1/16LA | 1 1/16 | 12 | 36,5 | 36,5 | 82,2 | 16,0 | 320 |
| S.1'1/8LA | 1 1/8 | 12 | 38,1 | 38,1 | 82,2 | 16,7 | 350 |
| S.1'1/4LA | 1 1/4 | 12 | 42,9 | 42,9 | 82,2 | 16,7 | 430 |

Torx® sockets 1/2"

■ STX - 1/2" Torx® sockets

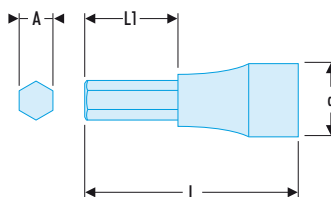


- For Torx® fasteners.
- Finish: bright chrome.
- Available as rack set Ref STX.40 (E12 --> E20) and Ref RSX.J6 (E6 --> E16).

| ➤ | A [mm] | Torx [No] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|-----------|--------|---------|--------|---------|--------|
| STX.12 | 10,95 | E12 | 21 | 15,0 | 37 | 8,0 | 47 |
| STX.14 | 12,67 | E14 | 21 | 16,3 | 37 | 8,8 | 47 |
| STX.16 | 14,70 | E16 | 22 | 18,8 | 37 | 9,6 | 57 |
| STX.18 | 16,38 | E18 | 22 | 20,4 | 37 | 11,1 | 57 |
| STX.20 | 18,16 | E20 | 22 | 22,9 | 37 | 12,7 | 63 |
| STX.24 | 21,84 | E24 | 22 | 26,5 | 37 | 16,1 | 97 |

Screwdriver sockets 1/2"

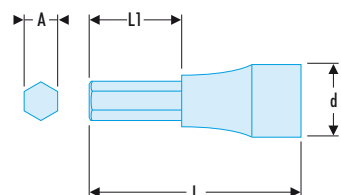
■ STM - 1/2" drive metric hexagon bit sockets



- Standard length series.
- For hexagon socket heads.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.
- Available in case set (Ref STM.J9).

| ➤ | A [mm] | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|
| STM.4 | 4 | 22,8 | 60 | 24 | 59 |
| STM.5 | 5 | 22,8 | 60 | 24 | 60 |
| STM.6 | 6 | 22,8 | 60 | 24 | 62 |
| STM.7 | 7 | 22,8 | 60 | 24 | 64 |
| STM.8 | 8 | 22,8 | 60 | 24 | 65 |
| STM.9 | 9 | 22,8 | 60 | 24 | 70 |
| STM.10 | 10 | 22,8 | 60 | 24 | 80 |
| STM.12 | 12 | 23,1 | 60 | 24 | 102 |
| STM.14 | 14 | 23,1 | 60 | 24 | 127 |
| STM.17 | 17 | 23,4 | 60 | 24 | 152 |
| STM.19 | 19 | 23,4 | 60 | 24 | 162 |

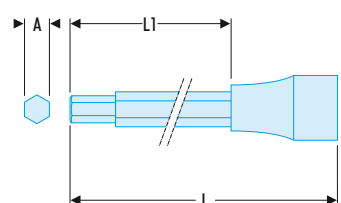
ST - 1/2" drive inch hexagon bit sockets



- Standard length series.
- For hexagon socket heads.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

| ➤ | A ["] | d [mm] | Bits | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|-------|--------|------------|--------|---------|--------|
| ST.1/4 | 1/4 | 23 | EH.201/4 | 54 | 17 | 67 |
| ST.5/16 | 5/16 | 23 | EH.205/16 | 54 | 17 | 67 |
| ST.3/8 | 3/8 | 23 | EH.203/8 | 54 | 17 | 74 |
| ST.7/16 | 7/16 | 23 | ENH.307/16 | 70 | 31 | 110 |
| ST.1/2 | 1/2 | 23 | ENH.301/2 | 70 | 31 | 117 |
| ST.9/16 | 9/16 | 23 | ENH.309/16 | 70 | 31 | 125 |
| ST.5/8 | 5/8 | 23 | ENH.305/8 | 70 | 31 | 143 |
| ST.3/4 | 3/4 | 23 | ENH.303/4 | 70 | 31 | 165 |

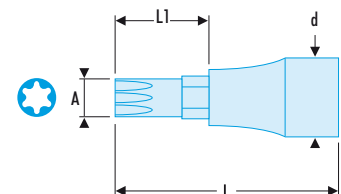
SHP.LA - 1/2" drive long and extra-long reach metric hexagon bit sockets



- Long and extra long reach series
- For hexagon socket heads.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

| ➤ | A [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|------------------|--------|--------|---------|--------|
| SHP.6LA | 6 | 100 | 64 | 77 |
| SHP.7LA | 7 | 100 | 64 | 78 |
| SHP.8LA | 8 | 100 | 64 | 79 |
| SHP.10LA | 10 | 140 | 104 | 132 |
| SHP.12LA | 12 | 100 | 64 | 144 |
| SHP.5ELA | 5 | 180 | 144 | 112 |
| SHP.6EL1A | 6 | 140 | 104 | 93 |
| SHP.6EL2A | 6 | 220 | 184 | 127 |

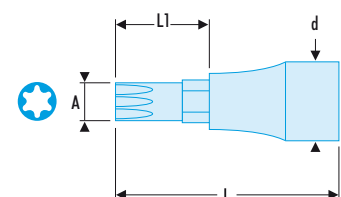
SXM - 1/2" drive Torx® bit sockets



- Standard length series.
- For Torx® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.
- Also available in case set (Ref AMEX.3).

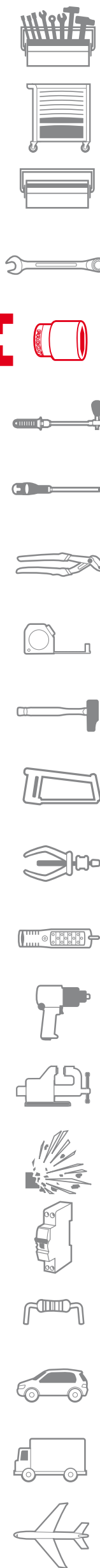
| ➤ | A [mm] | Torx [No] | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|-----------|--------|--------|---------|--------|
| SXM.20 | 3,84 | T20 | 22,8 | 60 | 24 | 58 |
| SXM.25 | 4,40 | T25 | 22,8 | 60 | 24 | 58 |
| SXM.27 | 4,96 | T27 | 22,8 | 60 | 24 | 59 |
| SXM.30 | 5,49 | T30 | 22,8 | 60 | 24 | 59 |
| SXM.40 | 6,60 | T40 | 22,8 | 60 | 24 | 62 |
| SXM.45 | 7,77 | T45 | 22,8 | 60 | 24 | 63 |
| SXM.50 | 8,79 | T50 | 22,8 | 60 | 24 | 74 |
| SXM.55 | 11,17 | T55 | 22,8 | 60 | 24 | 96 |
| SXM.60 | 13,17 | T60 | 23,1 | 60 | 24 | 117 |

SX.LA - 1/2" drive long-reach Torx® bit sockets

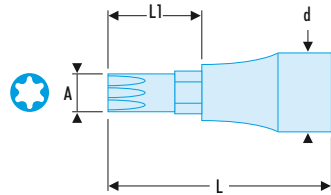


- Long-reach series.
- For Torx® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

| ➤ | A [mm] | Torx [No] | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|-----------|--------|--------|---------|--------|
| SX.40LA | 6,60 | T40 | 22,8 | 120 | 84 | 95 |
| SX.45LA | 7,77 | T45 | 22,8 | 120 | 84 | 95 |
| SX.55LA | 11,17 | T55 | 22,8 | 140 | 104 | 220 |
| SX.70LA | 15,49 | T70 | 23,1 | 140 | 104 | 280 |



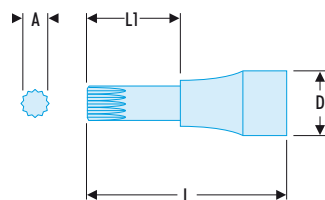
▣ D.B - Long-reach spline driver sockets



- Standard length series.
- For Torx® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

| ⇒ | A [mm] | d [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|--------|--------|---------|--------|
| D.34B7 | 7 | 7 | 15 | 60 |
| D.34B7L | 7 | 7 | 63 | 100 |
| D.34B9L | 9 | 9 | 63 | 100 |
| D.34B10 | 10 | 10 | 15 | 60 |
| D.34B12L | 12 | 12 | 63 | 100 |
| D.34B14L | 14 | 14 | 63 | 100 |
| D.34B16L | 16 | 16 | 63 | 100 |

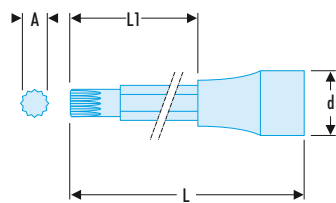
▣ SV.B - 1/2" drive XZN® spline bit sockets



- Standard length series.
- For XZN® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

| ⇒ | A [mm] | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|
| SV.6B | M6 | 22,8 | 60 | 24 | 60 |
| SV.8B | M8 | 22,8 | 60 | 24 | 60 |
| SV.10B | M10 | 22,8 | 60 | 24 | 70 |
| SV.12B | M12 | 22,8 | 60 | 24 | 80 |
| SV.14B | M14 | 22,8 | 60 | 24 | 100 |
| SV.16B | M16 | 23,1 | 60 | 24 | 110 |

▣ SV.LB - 1/2" drive long-reach XZN® spline bit sockets



- Long and extra long reach series
- For XZN® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

| ⇒ | A [mm] | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|--------|--------|--------|---------|--------|
| SV.6LB | M6 | 22,8 | 100 | 64 | 80 |
| SV.8LB | M8 | 22,8 | 100 | 64 | 80 |
| SV.10LB | M10 | 22,8 | 100 | 64 | 90 |
| SV.10ELB | M10 | 22,8 | 120 | 120 | 110 |
| SV.12LB | M12 | 22,8 | 100 | 64 | 120 |
| SV.12ELB | M12 | 22,8 | 140 | 104 | 150 |
| SV.14LB | M14 | 22,8 | 100 | 64 | 150 |

CREATE YOUR OWN BIT SOCKETS

Screw bits



- Series 2 ⬡ 5/16"
- Series 3 ⬡ 1/2"

➔ See Section 7

Impact bit holder ⬡ 1/2"



▣ **S.236**
⬡ 5/16"
7.94 mm





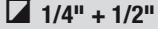





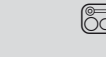


▣ **S.237**
⬡ 1/2"
12.70 mm

➔ See p. 296



MULTI-DRIVE SETS

1/4" + 1/2"

1/4" & 1/2" SOCKET SETS IN PLASTIC CASES

|    | | RS.100 | RSL.100 | RS.360 |
|--|--------|-------------------|-----------------|----------------|
| | | R.161 + S.161 | RL.161 + SL.161 | R.360 + SL.161 |
| | | 6 | 6 | 6 |
| | | STANDARD | STANDARD | STANDARD |
|  1/4" | R.5,5 | • | • | • |
| | R.6 | • | • | • |
| | R.7 | • | • | • |
| | R.8 | • | • | • |
| | R.9 | • | • | • |
| | R.10 | • | • | • |
| | R.11 | • | • | • |
| | R.12 | • | • | • |
|  1/2" | R.13 | • | • | • |
| | S.10 | • | • | • |
| | S.11 | • | • | • |
| | S.12 | • | • | • |
| | S.13 | • | • | • |
| | S.14 | • | • | • |
| | S.15 | • | • | • |
| S.17 | • | • | • | |
| S.19 | • | • | • | |
| S.21 | • | • | • | |
| S.24 | • | • | • | |
| S.27 | • | • | • | |
|     | R.210 | • | • | • |
| | R.240A | • | • | • |
| | R.120A | • | • | • |
| | S.210 | • | • | • |
|   | S.240A | • | • | • |
| | | | | |
| | | BP.112 | | |
| | | PL.404 | | |
| | | 389 x 164 x 66 mm | | |
| | | 2,630 kg | 2,590 kg | 2,640 kg |

1/4" & 1/2" SOCKET SETS IN METAL RACKS

|    | | RSX.J6 |
|--|------|---------------|
| | | 6 |
| | | STANDARD |
| Sockets | E.6 | 1/4" |
| | E.8 | 1/4" |
| | E.10 | 1/4" |
| | E.12 | 1/2" |
| | E.14 | 1/2" |
| | E.16 | 1/2" |
| Rack | | CKS.98 |
| | | 0,205 kg |

RS.100 ▼



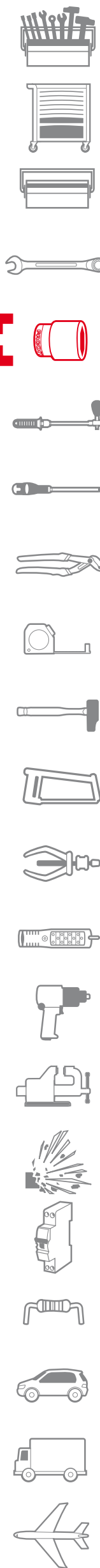
RSL.100 ▼



RS.360 ▼



RSX.J6 ▼



MULTI-DRIVE SETS

1/4" + 1/2"

| | | | RS.440E | RS.430E | RSX.427P | RSX.19A | | |
|--|---|-------------------|-------------------|-------------------|-------------------|----------------|--|---|
| | | | R.161 + S.161 | R.151 + S.151 | R.161 + S.161 | - | | |
| | | Socket type | Standard | Standard | Standard | Standard | | |
| | | | 1/4" + 1/2" | 1/4" + 1/2" | 1/4" + 1/2" | 1/4" + 1/2" | | |
| | 1/4" | R.5 | • | • | | | | |
| | | R.5.5 | • | • | | | | |
| | | R.6 | • | • | | | | |
| | | R.7 | • | • | | | | |
| | | R.8 | • | • | | | | |
| | | R.9 | • | • | | | | |
| | | R.10 | • | • | | | | |
| | | R.11 | • | • | | | | |
| | | R.12 | • | • | | | | |
| | | R.13 | • | • | | | | |
| | | R.14 | • | • | | | | |
| | | | 1/2" | SH.10 | • | • | | |
| | | | | SH.11 | • | • | | |
| | | | | SH.12 | • | • | | |
| SH.13 | • | | | • | | | | |
| SH.14 | • | | | • | | | | |
| SH.15 | • | | | • | | | | |
| SH.16 | • | | | • | | | | |
| SH.17 | • | | | • | | | | |
| SH.18 | • | | | • | | | | |
| SH.19 | • | | | • | | | | |
| SH.21 | • | | | • | | | | |
| SH.22 | • | | | • | | | | |
| SH.24 | • | | | • | | | | |
| SH.27 | • | | | • | | | | |
| SH.30 | • | • | | | | | | |
| SH.32 | • | • | | | | | | |
| | EP | 1 | • | | | | | |
| | | 2 | • | | | | | |
| | | 3 | • | | | | | |
| | ED | 1 | • | | | | | |
| | | 2 | • | | | | | |
| | | 3 | • | | | | | |
| | ES | 4,5 | | | | | | |
| | | 6,5 | | | | | | |
| | | 8 | | | | | | |
| | | 10 | | | | | | |
| | EH | 3 | • | | | | | |
| | | 4 | • | | | | | |
| | | 5 | • | | | | | |
| | | 6 | • | | | | | |
| | | 7 | • | | | | | |
| | | 8 | • | | | | | |
| | | | EXR | 10 | • | | | • |
| | | | | 15 | • | | | • |
| 20 | • | | | | | • | | |
| 25 | • | | | | | • | | |
| 27 | • | | | | | • | | |
| 30 | • | | | | | • | | |
| STX: 1/2" Torx® | STX.12 STX.14 STX.16 STX.18 STX.20 | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| SXM: 1/2" Screwdriver for Torx® screws | 27 30 40 45 50 | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| RTX: 1/4" Torx® | RTX.4 RTX.5 RTX.6 RTX.7 RTX.8 RTX.10 | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| Torx® bits | 8 10 15 20 25 27 40 45 50 55 | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | | | | | • | • | | |
| | R.209 R.210 R.240A R.120A R.235 R.236A S.210S S.210 S.215 S.240A S.236 AMZ.H | | • | • | | | | |
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| | | | • | • | | | | |
| | | | • | • | | | | |
| | PL.714 BP.109 | | PL.112A BP.109 | PL.220B BP.112 | PL.393A BP.102 | | | |
| | | 478 x 234 x 72 mm | 389 x 164 x 66 mm | 204 x 122 x 52 mm | | | | |
| | | | 3,92 kg | 2,20 kg | 0,62 kg | | | |

RS.440E



RS.430E



RSX.427P










RSX.19A



MULTI-DRIVE SETS

1/2" + 3/4"

| | | SK.453N | SK.452N | SK.452U |
|--|-----------|--------------------|----------------|----------------|
| | | K.151B + S.151 | K.151B + S.151 | K.151B + S.152 |
| | | 6 | 12 | 12 |
| | | STANDARD | STANDARD | STANDARD |
|  3/4" | K.22HB | | • | |
| | K.24HB | • | • | |
| | K.27HB | • | • | |
| | K.30HB | • | • | |
| | K.32HB | • | • | |
| | K.34HB | • | • | |
| | K.36HB | • | • | |
| | K.41HB | • | • | |
| | K.46HB | • | • | |
| | K.50HB | • | • | |
|  1/2" | SH.8 | • | • | |
| | SH.9 | • | • | |
| | SH.10 | • | • | |
| | SH.11 | • | • | |
| | SH.12 | • | • | |
| | SH.13 | • | • | |
| | SH.14 | • | • | |
| | SH.15 | • | • | |
| | SH.16 | • | • | |
| | SH.17 | • | • | |
| | SH.18 | • | • | |
| | SH.19 | • | • | |
| | SH.21 | • | • | |
| | SH.22 | • | • | |
| SH.23 | • | • | | |
| SH.24 | • | • | | |
| SH.26 | • | • | | |
| SH.27 | • | • | | |
| SH.28 | • | • | | |
| SH.29 | • | • | | |
| SH.30 | • | • | | |
| SH.32 | • | • | | |
|  3/4" | K.1"1/16 | | | • |
| | K.1"1/2 | | | • |
| | K.1"1/4 | | | • |
| | K.1"1/8 | | | • |
| | K.1"13/16 | | | • |
| | K.1"3/5 | | | • |
| | K.1"5/8 | | | • |
| | K.1"7/16 | | | • |
| | K.2" | | | • |
| | | | | • |
|  1/2" | S.1" | | | • |
| | S.1/2 | | | • |
| | S.11/16 | | | • |
| | S.1"1/16 | | | • |
| | S.1"1/4 | | | • |
| | S.1"1/8 | | | • |
| | S.13/16 | | | • |
| | S.1"3/16 | | | • |
| | S.15/16 | | | • |
| | S.19/32 | | | • |
| | S.21/32 | | | • |
| | S.25/32 | | | • |
| | S.3/4 | | | • |
| | S.3/8 | | | • |
| | S.31/32 | | | • |
| | S.5/8 | | | • |
| S.7/16 | | | • | |
| S.7/8 | | | • | |
| S.9/16 | | | • | |
|  | K.120B | • | • | • |
| | K.210B | • | • | • |
| | K.215B | • | • | • |
| | S.210S | | | |
| | S.210 | • | • | • |
| | S.215 | • | • | • |
| | S.240A | • | • | • |
| | S.236 | • | • | • |
|  | S.110 | • | • | • |
| | S.120A | • | • | • |
|  | PL.21 | | | PL.22 |
| | BT.6A | | | BT.6A |
| | | 468 x 190 x 160 mm | | |
| | | 17,20 kg | | 16,2 kg |

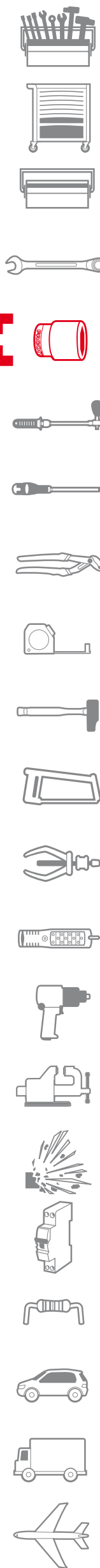
SK.453N



SK.452N




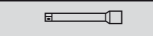
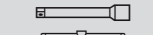



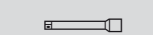
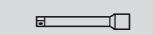



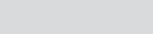




SK.452U



3/4" SOCKET SETS

METRIC DIMENSIONS

**FACOM, BY YOUR SIDE
IN HEAVY MAINTENANCE
WORK !**

| | | K.411 | K.441A | K.442E | K.437E | K.436E | SK.453N | | SK.452N | |
|--|----|--------------------|-------------------------|---------------|--------------------|--------------------|----------------|-----|----------------|----|
| | | K.152 | K.151B | K.151B | K.151B | K.151B | K.151B + S.151 | | K.151B + S.151 | |
| | | 6 | 6 | 12 | 6 | 12 | 6 | 6 | 6 | 12 |
| | | K.HB | K.HB | K.B | K.HB | K.B | K.HB | S.H | K.B | S. |
|  mm | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| | 11 | | | | | | | | | |
| | 12 | | | | | | | | | |
| | 13 | | | | | | | | | |
| | 14 | | | | | | | | | |
| | 15 | | | | | | | | | |
| | 16 | | | | | | | | | |
| | 17 | | | | | | | | | |
| | 18 | | | | | | | | | |
| | 19 | • | • | • | • | • | | | | |
| | 21 | • | • | • | • | • | 3/4" | • | K.3/4" | • |
| | 22 | • | • | • | • | • | • | • | • | • |
| | 23 | • | • | • | • | • | • | • | • | • |
| | 24 | • | • | • | • | • | • | • | • | • |
| | 26 | | | | | | | | | |
| | 27 | • | • | • | • | • | • | • | • | • |
| | 28 | | | | | | | | | |
| 29 | | | | | | | | | | |
| 30 | • | • | • | • | • | • | • | • | • | |
| 32 | • | • | • | • | • | • | • | • | • | |
| 34 | • | • | • | • | • | • | 1/2" | • | 1/2" | |
| 36 | • | • | • | • | • | • | • | • | • | |
| 38 | | | | | | | | | | |
| 41 | • | • | • | • | • | • | • | • | • | |
| 42 | | | | | | | | | | |
| 46 | • | • | • | • | • | • | • | • | • | |
| 50 | • | • | • | • | • | • | • | • | • | |
| 54 | | | | | | | | | | |
| 55 | • | • | • | • | • | | | | | |
|  K.210B | | • | • | • | • | • | • | • | • | |
|  K.215B | | • | • | • | • | • | • | • | • | |
|  K.120B | | • | • | • | • | • | • | • | • | |
|  K.240A | | | • | • | | | | | | |
|  K.140A | | | • | • | | | | | | |
|  K.125A | | | • | • | | | | | | |
|  S.210 | | | | | | | • | | • | |
|  S.215 | | | | | | | • | | • | |
|  S.120A | | | | | | | • | | • | |
|  S.240A | | | | | | | • | | • | |
|  S.110 | | | | | | | • | | • | |
|  PL.438 | | PL.438 | C.K422CA + 2 x C.K422EA | | PL.87A | P.21 | | | | |
|  BT.103G | | BT.103G | BT.6A | | BT.103G | BT.6A | | | | |
|  643 x 230 x 111 mm | | 643 x 230 x 111 mm | 468 x 190 x 160 mm | | 643 x 230 x 111 mm | 468 x 190 x 160 mm | | | | |
|  15,20 kg | | 15,20 kg | 17,00 kg | | 15,50 kg | 17,20 kg | | | | |

K.411



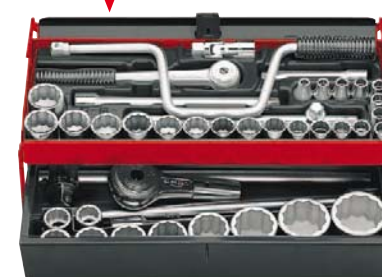
K.437E
K.436E



K.441A
K.442E



SK.453N
SK.452N



3/4" SOCKETS SETS

METRIC DIMENSIONS



FARMING EQUIPMENT MAINTENANCE



INDUSTRIAL MAINTENANCE



HGV MAINTENANCE

K.420N / K.421N



K.432E / K.433E



MOD.K2

























| | | K.421N | K.420N | K.433E | K.432E | MOD.K2 | MOD.K1 | K.415E | K.405E |
|----|--------|--------------------|----------|--------------------|----------|---------|---------|--------------------|-------------------|
| | | K.151B | K.151B | K.151B | K.151B | K.152 | K.151B | K.151B | - |
| | | 6 | 12 | 6 | 12 | 6 | 6 | 6 | 6 |
| | | K.HB | K.B | K.HB | K.B | K.HB | K.HB | K.LA | K.LA |
| | mm | | | | | | | | |
| | 22 | • | • | | | | | • | • |
| | 23 | | | | | | | • | • |
| | 24 | • | • | | | | | • | • |
| | 26 | | | | | | | • | • |
| | 27 | • | • | | | | | • | • |
| | 29 | | | | | | | • | • |
| | 30 | • | | • | • | | | • | • |
| | 32 | • | • | • | • | | | • | • |
| | 33 | | | • | • | | | • | • |
| | 34 | • | • | • | • | • | • | • | • |
| | 36 | • | • | • | • | • | • | • | • |
| | 38 | | | • | • | | | • | • |
| | 41 | • | • | • | • | • | • | • | • |
| 42 | | | • | • | | | • | • | |
| 46 | • | • | • | • | • | • | • | • | |
| 50 | • | • | • | • | • | • | • | • | |
| 54 | | | • | • | | | • | • | |
| 55 | | | • | • | | | • | • | |
| | K.210B | • | • | • | • | • | • | • | |
| | K.215B | • | • | • | • | | • | • | |
| | K.120B | • | • | • | • | | • | • | |
| | K.240A | | | | | • | | | |
| | K.140A | | | | | | | | |
| | K.125A | | | | | | | | |
| | K.230B | | | | | | • | | |
| | | PL.42 BT.103G | | PL.40 BT.103G | | PL.43 | PL.60A | PL.43 BT.103G | PL.60A BT.111 |
| | | 643 x 230 x 111 mm | | 643 x 230 x 111 mm | | | | 643 x 230 x 111 mm | 396 x 224 x 82 mm |
| | | 12,90 kg | 12,90 kg | 16,30 kg | 16,30 kg | 7,46 kg | 8,29 kg | 16,27 kg | 9,30 kg |



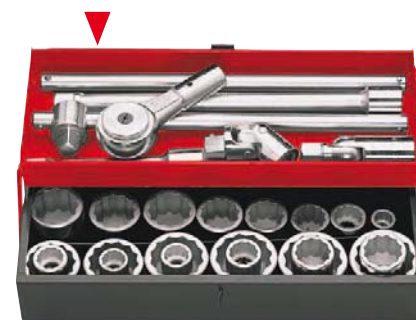
3/4" SOCKET SETS

INCH DIMENSIONS

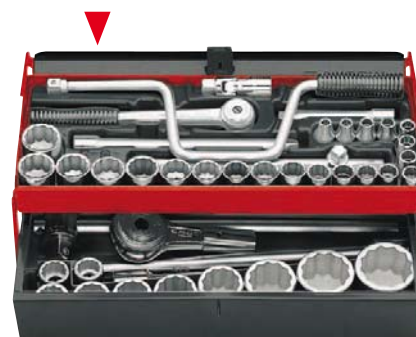
|     3/4" 19,05mm | | K.442U | | SK.452U | |
|---|---------|--|--------------------|---|------|
| | | K.151B | | K.151B + S.151 | |
| | |  K.B | |  K.B | |
|  mm | 3/8 | | | | |
| | 7/16 | | | | • |
| | 1/2 | | | | • |
| | 9/16 | | | | • |
| | 19/32 | | | | • |
| | 5/8 | | | | • |
| | 21/32 | | | | • |
| | 11/16 | | | | • |
| | 3/4 | | | | • |
| | 25/32 | | | | • |
| | 13/16 | | | | • |
| | 3/4 | • | | | |
| | 7/8 | • | | | |
| | 15/16 | • | | | |
| | 31/32 | | | | • |
| | 1 | • | | 3/4" | |
| | 1"1/16 | • | | • | |
| | 1"1/8 | • | | • | |
| | 1"1/4 | • | | • | |
| | 1"5/16 | • | | | 1/2" |
| | 1"3/8 | • | | • | |
| | 1"7/16 | • | | • | |
| | 1"1/2 | • | | • | |
| | 1"5/8 | • | | • | |
| | 1"11/16 | • | | | |
| | 1"3/4 | • | | | |
| | 1"13/16 | • | | • | |
| | 1"7/8 | • | | | |
| 2" | • | | • | | |
| 2"1/8 | • | | | | |
| 2"3/16 | • | | | | |
| 2"1/4 | • | | | | |
|  K.210B | • | | • | | |
|  K.215B | • | | • | | |
|  K.120B | • | | • | | |
|  K.240A | • | | | | |
|  K.140A | • | | | | |
|  K.125A | • | | | | |
|  S.210 | | | | • | |
|  S.215 | | | | • | |
|  S.120A | | | | • | |
|  S.240A | | | | • | |
|  S.110 | | | | • | |
|  - | | | PL.22 | | |
|  BT.6A | | | BT.6A | | |
|  468 x 190 x 160 mm | | | 468 x 190 x 160 mm | | |
|  22,1 kg | | | 16,2 kg | | |



K.442U



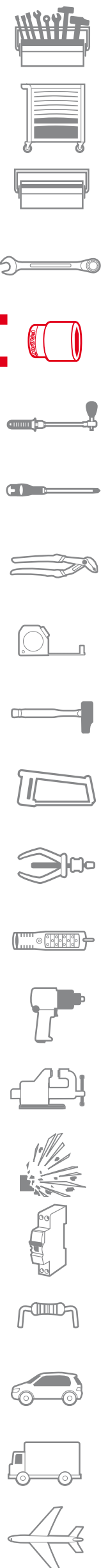
SK.452U



Ratchets 3/4"

K.152

COMPACT AND PRECISE RATCHET 3/4"



25% MORE COMPACT FOR CONFINED SPACES !

ERGONOMIC

- Ergonomic handle providing 2-handed grip for high torques.

PERFORMANCE

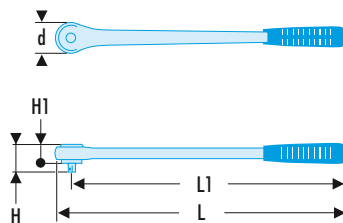
- Precise: 72 tooth mechanism, 5° manoeuvrable.
- Powerful and strong: 17 teeth in mesh during torquing.
- Monobloc ratchet: lighter and more manoeuvrable.
- Confined spaces: head 25% more compact than traditional ratchets.

SAFETY FIRST

- Plunger locks ratchet/sockets/accessories.



Compact and precise ratchet 3/4"



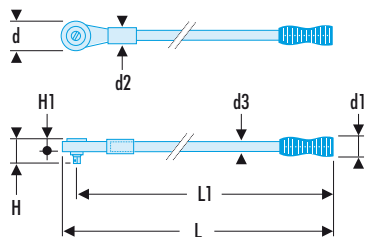
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Monobloc ratchet: lighter and more manoeuvrable.
- Compact head.
- Ergonomic handle providing 2-handed grip for high torques.
- Precise increment: 5°.
- 72-tooth mechanism.
- Plunger lock.
- Finish: satin chrome.

| | d [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|--------------|--------|--------|---------|--------|---------|---------|
| K.152 | 62 | 56,5 | 32 | 505 | 474 | 1,67 |

"Truck" 3/4" range

3/4" drive ratchet with removable handle

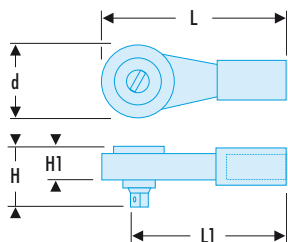


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Precise increment: 5°.
- 72-tooth mechanism.
- Plunger lock.
- Finish: satin chrome.

| | d | d1 | d2 | d3 | H | H1 | L | L1 | ΔΔ |
|---------------|------|------|------|------|------|------|------|------|------|
| | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| K.154B | 69 | 40 | 30 | 20 | 61 | 37 | 548 | 514 | 2,40 |

3/4" drive ratchet without handle

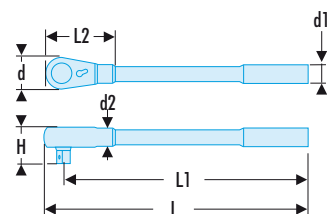


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Precise increment: 5°.
- 72-tooth mechanism.
- For use with bars K.125 or K.126 and handle K.154AM.
- Plunger lock.
- Finish: chromed.
- Plastic grip ratchet handle K.151B.

| | d [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|---------------|--------|--------|---------|--------|---------|---------|
| K.151B | 68 | 60,8 | 36,6 | 170 | 136 | 1,20 |

3/4" drive "heavy duty" ratchet



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Suitable for outdoor working:
 - Sturdy mechanism protected against dirt.
 - Recessed reversing switch.
 - 9° increments.
 - 40 tooth mechanism.
 - Removable handle.
- Plunger lock.
- Finish: mat chrome.

| | d [mm] | d1 [mm] | d2 [mm] | H [mm] | L [mm] | L1 [mm] | L2 [mm] | ΔΔ [kg] |
|--------------|--------|---------|---------|--------|--------|---------|---------|---------|
| K.149 | 65,5 | 25 | 32 | 62 | 510 | 475 | 151 | 2,85 |

MAINTENANCE OF 3/4" RATCHETS

• Ratchet maintenance is straightforward: for continued serviceability, simply clean and replace worn parts periodically.

| | K.150 | K.150A | K.151 | K.151A | K.151B | K.152 | K.154A | K.154B | K.149 |
|-----------------------|-------|--------|-------|--------|--------|-------|--------|--------|-------|
| Caps | | | | | | | | | |
| K.152C | | | | | | • | | | |
| M.151C | | | • | | | | | | |
| K.151BC | | | | • | • | | • | • | |
| Spare part kit | | | | | | | | | |
| K.151RN | | | • | • | • | | • | • | |
| K.152RN | | | | | | • | | | |
| K.150RN | • | • | | | | | | | |
| Rotors | | | | | | | | | |
| K.152R | | | | | | • | | | |
| K.150R | • | | | | | | | | |
| K.150AR | | • | | | | | | | |
| K.151AR | | | | • | • | | • | • | |
| Repair kit | | | | | | | | | |
| K.149RN | | | | | | | | | • |

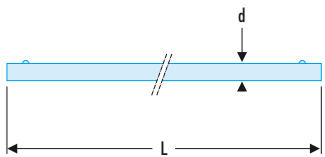
Accessories 3/4"

K.154AM 3/4" drive sliding tee



- Handle for 3/4" ratchets K.154B and K.151B.
- Plastic handle for enhanced comfort.

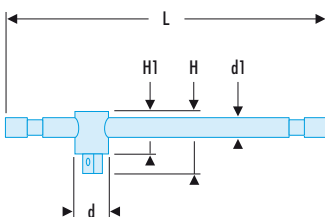
K.A - Bar for 3/4" ratchet



- For use as extension handles on ratchet K.151B, as well as on handles K.140A and K.200E.
- Finish: satin chrome.

| | d [mm] | L [mm] | ΔΔ [kg] |
|---------------|--------|--------|---------|
| K.125A | 20 | 425 | 1,04 |
| K.126A | 20 | 500 | 1,22 |

3/4" drive sliding tee



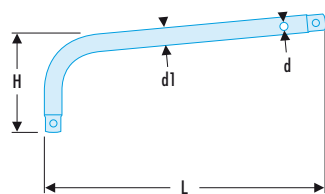
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Ball-steadied head.
- T or L-handle.
- Finish: satin chrome.

| | d [mm] | d1 [mm] | H [mm] | H1 [mm] | L [mm] | ΔΔ [kg] |
|---------------|--------|---------|--------|---------|--------|---------|
| K.120B | 36 | 20 | 62 | 37 | 425 | 1,30 |



3/4" drive angle bar

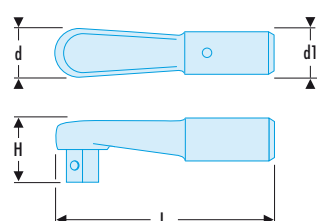


NF ISO 3315, ISO 3315, DIN 3122

- Takes 3/4" socket on either end:
- Short end for high torques.
- Long end for pre-tightening or in recess.
- Finish: satin chrome.

| ☞ | d [mm] | d1 [mm] | H [mm] | L [mm] | ΔΔ [kg] |
|---------------|--------|---------|--------|--------|---------|
| K.130A | 8 | 25 | 85 | 540 | 2,30 |

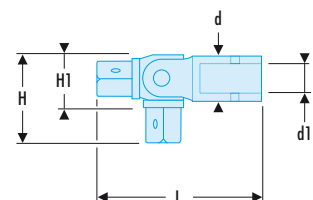
3/4" drive fixed adaptor



- For use with bars K.125 or K.126.
- For power loosening without damaging the ratchet.
- Finish: satin chrome.

| ☞ | d [mm] | d1 [mm] | H [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|--------|--------|
| K.200E | 35 | 30 | 40 | 152 | 630 |

3/4" drive hinged adaptor

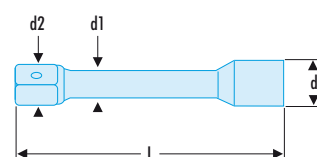


NF ISO 3315, ISO 3315, DIN 3122

- For use with bars K.125 or K.126.
- Fastener rotation from any angle over 180°.
- Joint 180°.
- Spring-steadied in any position.
- Finish: satin chrome.

| ☞ | d [mm] | d1 [mm] | H [mm] | H1 [mm] | L [mm] | ΔΔ [g] |
|---------------|--------|---------|--------|---------|--------|--------|
| K.140A | 40 | 20 | 70 | 46 | 125 | 760 |

K.B - 3/4" drive extensions

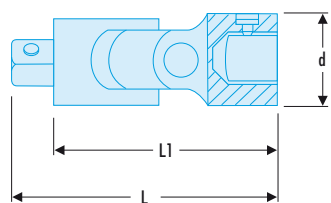


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Finish: satin chrome.

| ☞ | d [mm] | d1 [mm] | d2 [mm] | L [mm] | ΔΔ [kg] |
|---------------|--------|---------|---------|--------|---------|
| K.208B | 36 | 25 | 25 | 100 | 0,410 |
| K.210B | 36 | 20 | 25 | 200 | 0,620 |
| K.215B | 36 | 20 | 25 | 400 | 1,130 |

3/4" universal joint

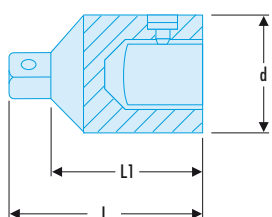


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Spring-stiffened joints.
- Significant time savings.
- Finish: satin chrome.

| ➤ | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|
| K.240A | 40 | 105 | 82 | 550 |

3/4" to 1/2" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- For adapting sockets and accessories 1/2".
- Interchangeable 1/2" male square ref. K.230B1.
- Max. torque 512 N.m.
- Finish: satin chrome, phosphate square.

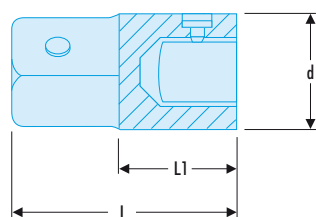
| ➤ | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|
| K.230B | 36 | 58,5 | 43 | 250 |

K.230B1 Interchangeable 1/2" male drive



- Interchangeable 1/2" male drive for 3/4" to 1/2" coupler reference K.230B.
- Finish: satin chrome.

3/4" to 1" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

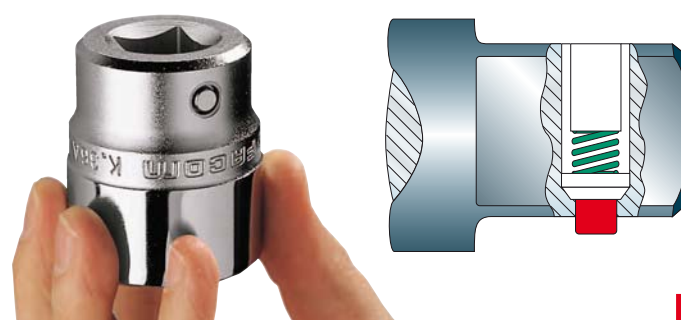
- For adapting sockets and accessories 1".
- Finish: satin chrome.

| ➤ | d [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|
| K.232A | 36 | 67 | 39 | 340 |

LOCKING SOCKETS AND ACCESSORIES 3/4" - 1"

SAFETY AND COMFORT !

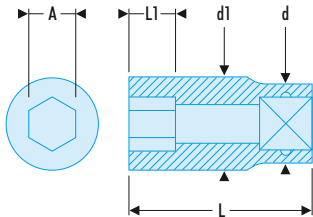
- Lock system prevents accidental socket loss during use.
- Quick release simply by pressing the plunger.
- Compatible with the standard ball-lock tools.



"Truck" 3/4" range

Sockets 3/4"

▣ K.HB 3/4" drive metric 6-point sockets



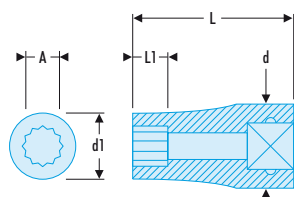
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

| ⇒ | A [mm] | ⊕ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|---------|--------|
| K.19HB | 19 | 6 | 36 | 30,1 | 51,0 | 14 | 207 |
| K.21HB | 21 | 6 | 36 | 32,0 | 51,0 | 14 | 208 |
| K.22HB | 22 | 6 | 36 | 33,4 | 51,0 | 14 | 221 |
| K.23HB | 23 | 6 | 36 | 36,0 | 52,5 | 14 | 244 |
| K.24HB | 24 | 6 | 36 | 36,0 | 52,5 | 16 | 237 |
| K.26HB | 26 | 6 | 36 | 38,9 | 52,5 | 16 | 231 |
| K.27HB | 27 | 6 | 36 | 39,7 | 52,5 | 18 | 232 |
| K.28HB | 28 | 6 | 36 | 41,0 | 52,5 | 18 | 239 |
| K.29HB | 29 | 6 | 36 | 42,0 | 52,5 | 18 | 245 |
| K.30HB | 30 | 6 | 36 | 43,2 | 59,0 | 20 | 282 |
| K.32HB | 32 | 6 | 36 | 45,9 | 59,0 | 22 | 301 |
| K.33HB | 33 | 6 | 36 | 48,1 | 59,0 | 22 | 330 |
| K.34HB | 34 | 6 | 36 | 48,4 | 59,0 | 24 | 322 |

| ⇒ | A [mm] | ⊕ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|---------|--------|
| K.35HB | 35 | 6 | 36 | 50,1 | 59,0 | 24 | 344 |
| K.36HB | 36 | 6 | 36 | 51,0 | 59,0 | 24 | 347 |
| K.38HB | 38 | 6 | 40 | 54,3 | 66,9 | 27 | 478 |
| K.40HB | 40 | 6 | 40 | 56,0 | 66,9 | 27 | 493 |
| K.41HB | 41 | 6 | 40 | 57,3 | 66,9 | 27 | 504 |
| K.42HB | 42 | 6 | 40 | 59,5 | 66,9 | 27 | 552 |
| K.43HB | 43 | 6 | 40 | 60,7 | 66,9 | 27 | 560 |
| K.44HB | 44 | 6 | 40 | 61,9 | 66,9 | 28 | 587 |
| K.46HB | 46 | 6 | 40 | 63,5 | 75,0 | 30 | 641 |
| K.50HB | 50 | 6 | 40 | 68,5 | 75,0 | 33 | 725 |
| K.54HB | 54 | 6 | 45 | 74,0 | 75,0 | 36 | 880 |
| K.55HB | 55 | 6 | 45 | 74,7 | 75,0 | 36 | 875 |

▣ K.B 3/4" drive metric 12-point sockets



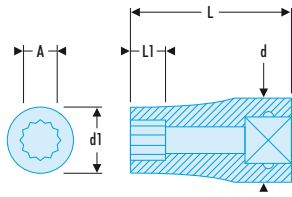
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

| ⇒ | A [mm] | ⊕ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|--------|---------|--------|---------|--------|
| K.19B | 19 | 12 | 36 | 30,1 | 51,0 | 14 | 207 |
| K.21B | 21 | 12 | 36 | 32,0 | 51,0 | 14 | 208 |
| K.22B | 22 | 12 | 36 | 33,4 | 51,0 | 14 | 221 |
| K.23B | 23 | 12 | 36 | 36,0 | 52,5 | 14 | 244 |
| K.24B | 24 | 12 | 36 | 36,0 | 52,5 | 16 | 237 |
| K.26B | 26 | 12 | 36 | 38,9 | 52,5 | 16 | 231 |
| K.27B | 27 | 12 | 36 | 39,7 | 52,5 | 18 | 232 |
| K.28B | 28 | 12 | 36 | 41,0 | 52,5 | 18 | 239 |
| K.29B | 29 | 12 | 36 | 42,0 | 52,5 | 18 | 245 |
| K.30B | 30 | 12 | 36 | 43,2 | 59,0 | 20 | 282 |
| K.32B | 32 | 12 | 36 | 45,9 | 59,0 | 22 | 301 |
| K.33B | 33 | 12 | 36 | 48,1 | 59,0 | 22 | 330 |
| K.34B | 34 | 12 | 36 | 48,4 | 59,0 | 24 | 322 |
| K.35B | 35 | 12 | 36 | 50,1 | 59,0 | 24 | 344 |

| ⇒ | A [mm] | ⊕ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|--------|---------|--------|---------|--------|
| K.36B | 36 | 12 | 36 | 51,0 | 59,0 | 24 | 347 |
| K.38B | 38 | 12 | 40 | 54,3 | 66,9 | 27 | 478 |
| K.40B | 40 | 12 | 40 | 56,0 | 66,9 | 27 | 493 |
| K.41B | 41 | 12 | 40 | 57,3 | 66,9 | 27 | 504 |
| K.42B | 42 | 12 | 40 | 59,5 | 66,9 | 27 | 552 |
| K.43B | 43 | 21 | 40 | 60,7 | 66,9 | 28 | 301 |
| K.44B | 44 | 12 | 40 | 61,9 | 66,9 | 28 | 587 |
| K.46B | 46 | 12 | 40 | 63,5 | 75,0 | 30 | 641 |
| K.50B | 50 | 12 | 40 | 68,5 | 75,0 | 33 | 725 |
| K.54B | 54 | 12 | 45 | 74,0 | 75,0 | 36 | 880 |
| K.55B | 55 | 12 | 45 | 74,7 | 75,0 | 36 | 875 |

▣ K.B 3/4" drive inch 12-point sockets



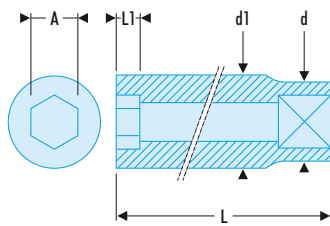
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

| ➤ | A ["] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|------------------|---------|--------|--------|---------|--------|---------|--------|
| K.3/4B | 3/4 | 12 | 36 | 30,1 | 51,0 | 14 | 207 |
| K.7/8B | 3/4 | 12 | 36 | 33,6 | 51,0 | 14 | 220 |
| K.15/16B | 15/16 | 12 | 36 | 35,7 | 52,5 | 14 | 233 |
| K.1"B | 1" | 12 | 36 | 38,0 | 52,5 | 14 | 250 |
| K.1'1/16B | 1 1/16" | 12 | 36 | 39,7 | 52,5 | 18 | 232 |
| K.1'1/8B | 1 1/8" | 12 | 36 | 41,6 | 52,5 | 18 | 241 |
| K.1'3/16B | 1 3/16" | 12 | 36 | 43,2 | 59,0 | 20 | 280 |
| K.1'1/4B | 1 1/4" | 12 | 36 | 45,9 | 59,0 | 22 | 304 |
| K.1'5/16B | 1 5/16" | 12 | 36 | 48,1 | 59,0 | 22 | 326 |
| K.1'3/8B | 1 3/8" | 12 | 36 | 50,1 | 59,0 | 24 | 343 |
| K.1'7/16B | 1 7/16" | 12 | 36 | 51,0 | 59,0 | 24 | 339 |
| K.1'1/2B | 1 1/2" | 12 | 40 | 54,3 | 66,9 | 27 | 478 |

| ➤ | A ["] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-------------------|----------|--------|--------|---------|--------|---------|--------|
| K.1'9/16B | 1 9/16" | 12 | 40 | 56,0 | 66,9 | 27 | 498 |
| K.1'5/8B | 1 5/8" | 12 | 40 | 57,3 | 66,9 | 27 | 498 |
| K.1'11/16B | 1 11/16" | 12 | 40 | 60,7 | 66,9 | 27 | 564 |
| K.1'3/4B | 1 3/4" | 12 | 40 | 62,2 | 66,9 | 28 | 586 |
| K.1'13/16B | 1 13/16" | 12 | 40 | 63,5 | 75,0 | 30 | 641 |
| K.1'7/8B | 1 7/8" | 12 | 40 | 66,2 | 75,0 | 33 | 699 |
| K.2"B | 2" | 12 | 40 | 68,5 | 75,0 | 33 | 698 |
| K.2'1/8B | 2 1/8" | 12 | 45 | 74,0 | 75,0 | 36 | 880 |
| K.2'3/16B | 2 3/16" | 12 | 45 | 74,7 | 75,0 | 36 | 855 |
| K.2'1/4B | 2 1/4" | 12 | 45 | 77,1 | 75,0 | 36 | 913 |

▣ K.LA 3/4" long-reach metric 6-point sockets



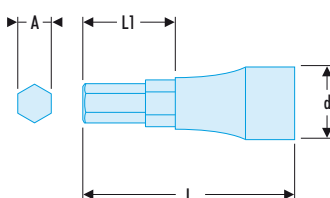
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|---------|--------|
| K.19LA | 19 | 6 | 36 | 30,1 | 90 | 18 | 339 |
| K.21LA | 21 | 6 | 36 | 32,0 | 90 | 18 | 367 |
| K.22LA | 22 | 6 | 36 | 33,4 | 90 | 21 | 391 |
| K.23LA | 23 | 6 | 38 | 36,0 | 90 | 21 | 461 |
| K.24LA | 24 | 6 | 38 | 36,0 | 90 | 24 | 400 |
| K.26LA | 26 | 6 | 36 | 38,9 | 90 | 24 | 474 |
| K.27LA | 27 | 6 | 38 | 39,7 | 90 | 27 | 480 |
| K.29LA | 29 | 6 | 40 | 42,0 | 90 | 27 | 505 |
| K.30LA | 30 | 6 | 40 | 43,2 | 90 | 30 | 530 |

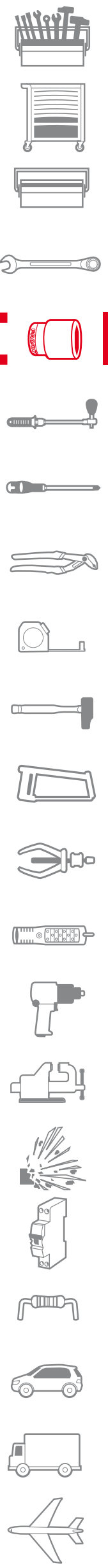
| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|---------|--------|
| K.32LA | 32 | 6 | 40 | 45,9 | 90 | 33 | 540 |
| K.33LA | 33 | 6 | 45 | 48,1 | 90 | 33 | 600 |
| K.34LA | 34 | 6 | 45 | 48,4 | 90 | 33 | 656 |
| K.35LA | 35 | 6 | 45 | 50,1 | 90 | 33 | 707 |
| K.36LA | 36 | 6 | 45 | 51,0 | 90 | 36 | 672 |
| K.38LA | 38 | 6 | 45 | 54,3 | 90 | 36 | 772 |
| K.41LA | 41 | 6 | 45 | 57,3 | 90 | 40 | 778 |
| K.42LA | 42 | 6 | 45 | 59,5 | 90 | 40 | 863 |

▣ KT.A 3/4" drive metric bits for hexagon socket heads



- Interchangeable bits with plunger lock.
- Finish: chrome with phosphate bit.

| ➤ | A [mm] | d [mm] | Bits | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|---------|--------|
| KT.14A | 14 | 36 | ET.1914 | 74,5 | 25 | 297 |
| KT.17A | 17 | 36 | ET.1917 | 74,5 | 25 | 307 |
| KT.19A | 19 | 36 | ET.1919 | 74,5 | 25 | 314 |
| KT.22A | 22 | 36 | ET.1919 | 74,5 | 25 | 314 |



"Mammoth" 1" range

1" metric socket sets

▣ M.431E Set of 1" drive 6-point sockets 42 to 82 mm



- Including:
 - Ratchet: M.151.
 - Sockets: M.50HA - M.54HA - M.55HA - M.58HA - M.60HA - M.63HA - M.65HA - M.67HA - M.70HA - M.71HA - M.75HA - M.77HA - M.80HA - M.82HA - M.84HA.
 - Accessories: M.120A - M.210A - M.215A.
 - Metal case BT.101, dim. (L. x D. x H.): 768 x 344 x 158 mm.
 - Tray PL.57.
- Weight: 46 kg.

▣ M.441E Set of 1" drive 6-point sockets 58 to 100 mm



- Including:
 - Ratchet: M.151.
 - Sockets: M.58HA - M.60HA - M.63HA - M.65HA - M.67HA - M.70HA - M.71HA - M.75HA - M.77HA - M.80HA - M.82HA - M.85HA - M.90HA - M.95HA - M.100HA.
 - Accessories: M.120A - M.210A - M.215A.
 - Metal case BT.101, dim. (L. x D. x H.): 768 x 344 x 158 mm.
 - Tray PL.54.
- Weight: 64.20 kg.

▣ M.423E Set of 1" drive 6-point sockets 41 to 80 mm



- Including:
 - Ratchet: M.151.
 - Sockets: M.58HA - M.60HA - M.63HA - M.65HA - M.67HA - M.70HA - M.71HA - M.75HA - M.77HA - M.80HA - M.82HA - M.85HA - M.90HA - M.95HA - M.100HA.
 - Accessories: M.120A - M.210A - M.215A.
 - Metal case BT.104, dim. (L. x D. x H.): 568 x 344 x 123 mm.
 - Tray PL.85.
- Weight: 29.70 kg.

1" inch socket sets

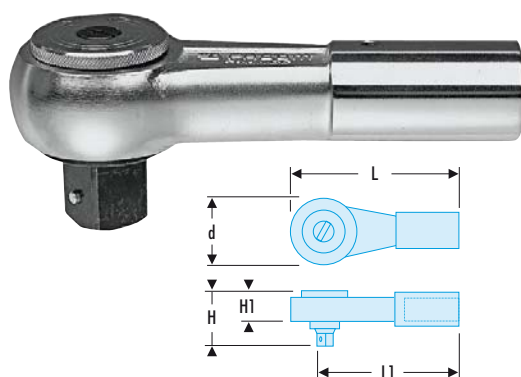
▣ M.431U Set of 1" drive sockets 17/8" to 33/8"



- Including:
 - Ratchet: M.151.
 - Sockets: M.1'7/8HA - M.2'1/2HA - M.2'1/4HA - M.2'3/16HA - M.2'3/4HA - M.2'3/8HA - M.2'5/8HA - M.2'HA - M.3'1/8HA - M.3'3/8HA - M.3'HA - M.2'1/8HA.
 - Accessories: M.120A - M.210A - M.215A.
 - Metal case BT.101, dim. (L. x D. x H.): 768 x 344 x 158 mm.
 - Tray PL.58.
- Weight: 29.70 kg.

Ratchets and accessories 1"

1" drive ratchet without handle

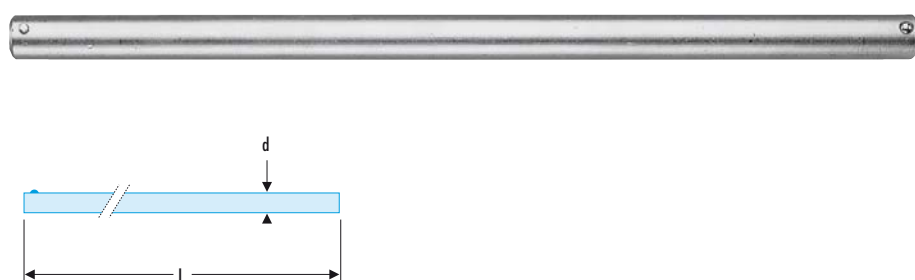


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 5° increment.
- 72-tooth mechanism.
- For use with bars M.125 or M.126 and handle M.120.
- Finish: satin chrome.

| ➤ | d [mm] | H [mm] | H1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|--------------|--------|--------|---------|--------|---------|---------|
| M.151 | 73 | 77 | 45 | 197 | 161 | 2,10 |

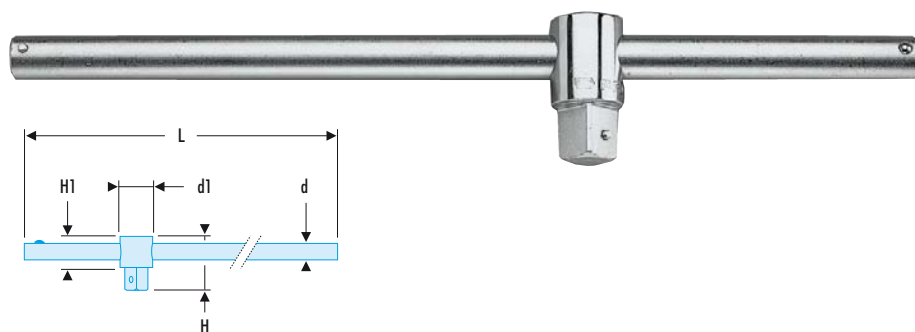
M.A - Bars for 1" ratchet M.151



- Used as extension handles on ratchet M.151.
- Finish: satin chrome.

| ➤ | d [mm] | L [mm] | ΔΔ [kg] |
|---------------|--------|--------|---------|
| M.125A | 25 | 500 | 1,90 |
| M.126A | 25 | 700 | 2,70 |

1" drive sliding tee

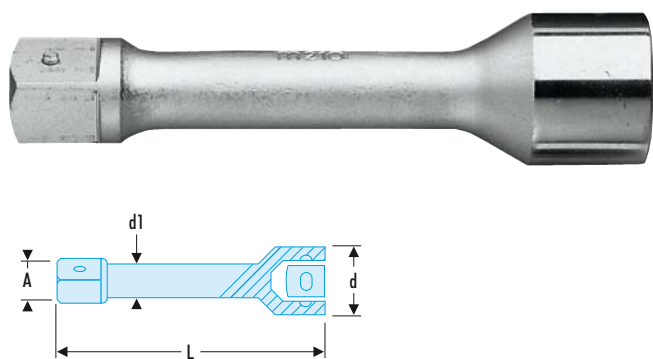


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Friction-head allows bar to form a T or L-handle.
- Fitted with a lock by plunger.
- Finish: satin chrome.

| ➤ | d [mm] | d1 [mm] | H [mm] | H1 [mm] | L [mm] | ΔΔ [kg] |
|---------------|--------|---------|--------|---------|--------|---------|
| M.120A | 25 | 42 | 79 | 49,5 | 500 | 2,40 |

M.A - 1" drive extensions

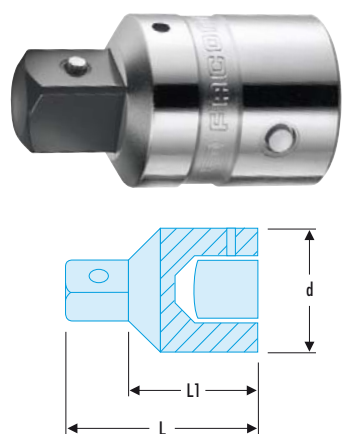


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Safety plunger lock.
- Finish: satin chrome.

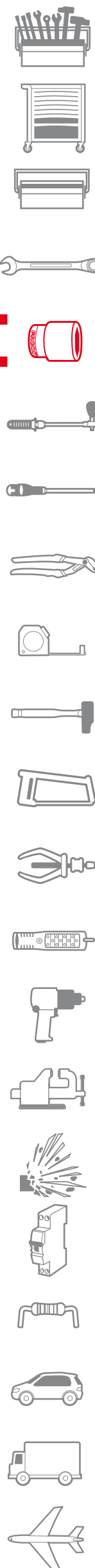
| ➤ | A [mm] | d [mm] | d1 [mm] | L [mm] | ΔΔ [kg] |
|---------------|--------|--------|---------|--------|---------|
| M.210A | 33 | 48 | 25 | 200 | 1,10 |
| M.215A | 33 | 48 | 25 | 415 | 2,00 |

M.230C 1" to 3/4" coupler



NF ISO 3316, ISO 3316, DIN 3123

- For adapting 3/4" drive sockets.
 - Interchangeable 3/4" male square ref. M.230C1.
 - Finish: satin chrome, with burnished square.
- Weight: 415 g.



"Mammoth" 1" range

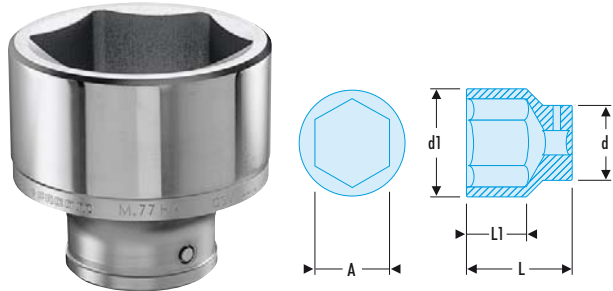
▣ M.230C1 Interchangeable 3/4" male drive



- Maximum torque 1412 N.m.
 - Interchangeable 1/3" male square attaches to 1" to 3/4" coupler reference M.230C.
 - Finish: burnished.
- Weight: 111 g.

1" sockets

▣ M.HA - 1" drive metric 6-point sockets



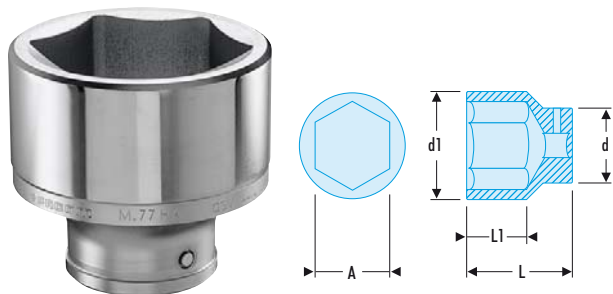
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124

- Thinner, lighter body.
- Secure attachment of plunger lock accessories.
- Push-button release.
- Finish: satin chrome.

| ➤ | A [mm] | ⊙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|--------|--------|--------|--------|---------|--------|---------|---------|
| M.41HA | 41 | 6 | 51,3 | 56,9 | 74 | 25 | 0,685 |
| M.46HA | 46 | 6 | 51,3 | 64,4 | 76 | 30 | 0,852 |
| M.50HA | 50 | 6 | 51,3 | 69,4 | 80 | 33 | 0,968 |
| M.54HA | 54 | 6 | 56,3 | 74,4 | 84 | 31 | 1,262 |
| M.55HA | 55 | 6 | 56,3 | 75,4 | 84 | 36 | 1,262 |
| M.58HA | 58 | 6 | 56,3 | 79,6 | 85 | 35 | 1,354 |
| M.60HA | 60 | 6 | 56,3 | 82,4 | 87 | 39 | 1,432 |
| M.63HA | 63 | 6 | 58,3 | 85,4 | 92 | 35 | 1,545 |
| M.65HA | 65 | 6 | 58,3 | 88,4 | 92 | 42 | 1,652 |
| M.67HA | 67 | 6 | 58,3 | 90,4 | 92 | 39 | 1,687 |

| ➤ | A [mm] | ⊙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|---------|--------|--------|--------|---------|--------|---------|---------|
| M.70HA | 70 | 6 | 56,3 | 95,0 | 96 | 45 | 1,921 |
| M.71HA | 71 | 6 | 56,3 | 96,0 | 96 | 45 | 1,904 |
| M.75HA | 75 | 6 | 63,3 | 101,0 | 100 | 48 | 2,261 |
| M.77HA | 77 | 6 | 63,3 | 108,0 | 100 | 51 | 2,751 |
| M.80HA | 80 | 6 | 63,3 | 108,0 | 106 | 52 | 2,800 |
| M.82HA | 82 | 6 | 63,3 | 110,8 | 110 | 52 | 2,880 |
| M.85HA | 85 | 6 | 71,3 | 114,0 | 110 | 52 | 3,225 |
| M.90HA | 90 | 6 | 71,3 | 121,0 | 110 | 56 | 3,555 |
| M.95HA | 95 | 6 | 71,3 | 127,0 | 110 | 56 | 3,800 |
| M.100HA | 100 | 6 | 71,3 | 133,0 | 115 | 56 | 4,225 |

▣ M.HA - 1" drive inch 6-point sockets



ASME B107.1

- Thinner, lighter body.
- Secure attachment of plunger lock accessories.
- Push-button release.
- Finish: satin chrome.

| ➤ | A ["] | ⊙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|-------------|---------|--------|--------|---------|--------|---------|---------|
| M.1'13/16HA | 1"13/16 | 6 | 51,3 | 64,4 | 76 | 30 | 0,852 |
| M.1'7/8HA | 1"7/8 | 6 | 51,3 | 66,4 | 80 | 29 | 0,929 |
| M.2'HA | 2" | 6 | 51,3 | 70,4 | 80 | 31 | 1,000 |
| M.2'1/8HA | 2"1/8 | 6 | 56,3 | 74,4 | 84 | 31 | 1,262 |
| M.2'3/16HA | 2"3/16 | 6 | 56,3 | 75,4 | 84 | 35 | 1,253 |
| M.2'1/4HA | 2"1/4 | 6 | 56,3 | 78,5 | 84 | 35 | 1,368 |
| M.2'3/8HA | 2"3/8 | 6 | 56,3 | 82,4 | 87 | 39 | 1,439 |

| ➤ | A ["] | ⊙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|-----------|-------|--------|--------|---------|--------|---------|---------|
| M.2'1/2HA | 2"1/2 | 6 | 58,3 | 86,4 | 92 | 35 | 1,570 |
| M.2'5/8HA | 2"5/8 | 6 | 58,3 | 90,4 | 92 | 39 | 1,704 |
| M.2'3/4HA | 2"3/4 | 6 | 94,4 | 58,3 | 96 | 45 | 1,904 |
| M.3'HA | 3" | 6 | 65,3 | 103,4 | 100 | 51 | 2,347 |
| M.3'1/8HA | 3"1/8 | 6 | 65,3 | 107,4 | 106 | 51 | 2,770 |
| M.3'3/8HA | 3"3/8 | 6 | 73,3 | 113,4 | 110 | 56 | 3,225 |

▣ 1" drive 12-point sockets



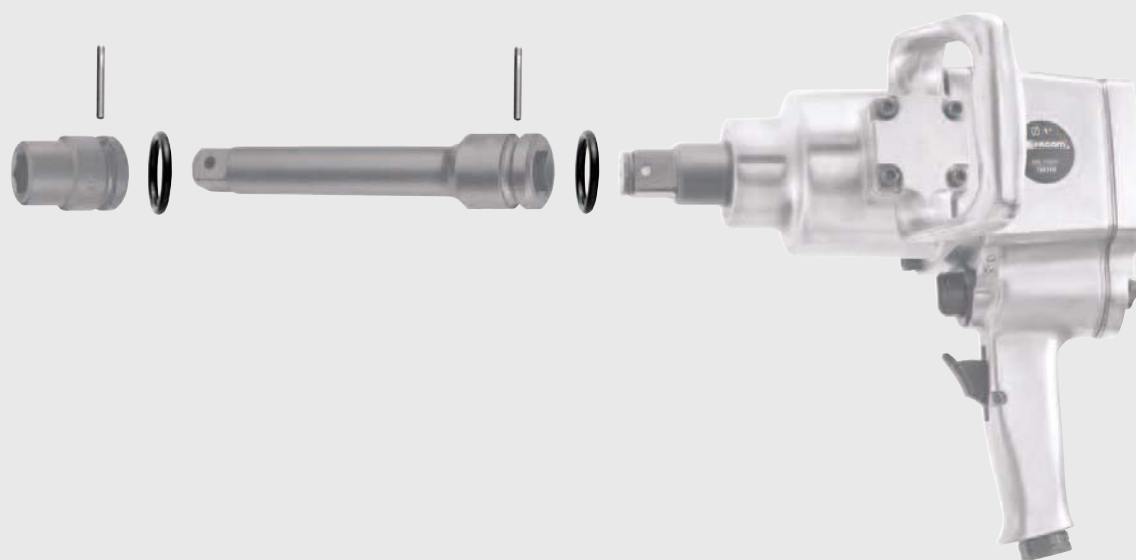
ASME B107.1

- Thinner, lighter body.
- Secure attachment of plunger lock accessories.
- Push-button release.
- Finish: chromed.

| ➤ | A [mm] | ⊙ [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|-------|--------|--------|--------|---------|--------|---------|---------|
| M.65B | 65 | 12 | 58,3 | 85,4 | 92 | 42 | 1,652 |

IMPACT SOCKETS AND ACCESSORIES

DEVELOPED FOR YOUR POWER TOOLS



PERFORMANCE

• Specially designed to resist the stresses from impact (section 14), or "Dynapact" tools (section 5). Their special steel and heat treatment ensure a very high yield strength and wear resistance.

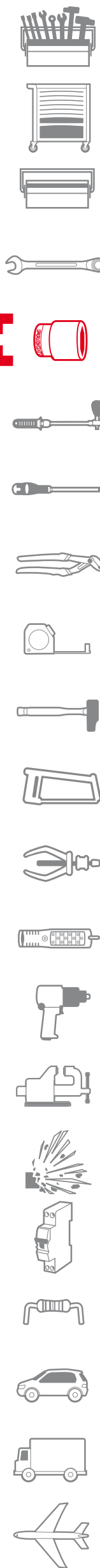


SAFETY

• All sockets and accessories feature a groove and side-hole to UNI ISO 2725. Locking is ensured by a through-pin and retaining ring (to be ordered separately). Never fit chrome-finished manual sockets Impact tools.

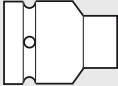



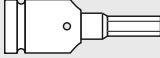

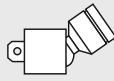
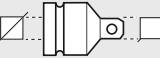
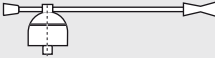

| pins | Ø x L (mm) |
|--------|------------|
| GA.15A | 2,5 x 15,0 |
| GA.18A | 2,5 x 18,0 |
| GA.20A | 3,0 x 20,0 |
| GA.24A | 3,0 x 24,0 |
| GA.37A | 4,0 x 37,0 |
| GA.43A | 5,0 x 43,0 |
| GA.75A | 6,0 x 75,0 |
| GA.84A | 6,0 x 84,0 |

| rings | Ø bore x Ø in. (mm) |
|--------|---------------------|
| BA.16A | 2,4 x 16,0 |
| BA.19A | 2,4 x 19,0 |
| BA.21A | 2,4 x 21,0 |
| BA.20A | 3,5 x 20,2 |
| BA.24A | 3,5 x 24,0 |
| BA.25A | 3,5 x 25,0 |
| BA.38A | 3,5 x 38,0 |
| BA.46A | 3,5 x 46,0 |
| BA.75A | 5,7 x 75,0 |
| BA.85A | 5,7 x 85,0 |



IMPACT SOCKETS AND ACCESSORIES

CHOOSING IMPACT TOOLS

| TYPE OF TOOL | DRIVE | SIZES |
|--|--|---|
| Socket  | <input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 1 1/2" | 6 > 19 mm 8 > 32 mm ; 3/8" > 1 1/16" 17 > 46 mm ; 3/4" > 1 5/8" 21 > 77 mm 55 > 120 mm 12 16 > 22 mm |
| TORX®  | <input checked="" type="checkbox"/> 1/2" | E10 > E24 |
| Long-reach socket  | <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1" | 8 > 32 mm 8 > 32 mm 17 > 46 mm 21 > 36 mm 22 > 70 mm 24 > 50 mm |
| Extra-long-reach socket  | <input checked="" type="checkbox"/> 1" | 30, 32, 33 mm |
| Monobloc bit  | <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" | 5 > 19 mm 17 > 24 mm T30 > T60 |
| Extension  | <input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 1 1/2" | L : 76 - 150 mm L : 50 - 252 mm L : 100 - 330 mm L : 125 - 330 mm L : 250 - 330 mm |
| Universal joint  | <input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2" | 1 model per drive |
| Coupler  | <input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 1 1/2" | <input checked="" type="checkbox"/> 3/8" > <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/8" > <input checked="" type="checkbox"/> 1/4" <input checked="" type="checkbox"/> 1/2" > <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1/2" > <input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 3/4" > <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 3/4" > <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 1" > <input checked="" type="checkbox"/> 1 1/2" <input checked="" type="checkbox"/> 1" > <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1 1/2" > <input checked="" type="checkbox"/> 2 1/2" <input checked="" type="checkbox"/> 1 1/2" > <input checked="" type="checkbox"/> 1" |
| Dynapact wrench  | <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1" | 1000 Nm 2000 Nm |
| Impact screwdrivers  | <input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2" | 200 Nm 400 Nm |



Impact sockets 3/8"

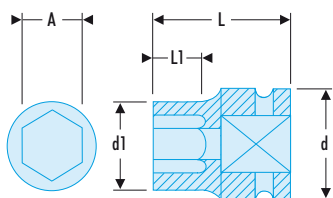
IMPACT SOCKETS AND ACCESSORIES  3/8"

SAFETY FIRST

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Never fit chrome-finished manual sockets or accessories to impact tools.





 NJ.A - 3/8" drive metric 6-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33



- For your safety, use impact sockets and accessories with the appropriate rings and pins.

|  | A |  | d | d1 | GA | BA | L | L1 | $\Delta\Delta$ |
|---|------|---|------|------|--------|--------|------|------|----------------|
| | [mm] | [mm] | [mm] | [mm] | | | [mm] | [mm] | [g] |
| NJ.6A | 6 | 6 | 19 | 11,5 | GA.15A | BA.16A | 30 | 6,0 | 38 |
| NJ.7A | 7 | 6 | 19 | 12,5 | GA.15A | BA.16A | 30 | 8,0 | 41 |
| NJ.8A | 8 | 6 | 19 | 14,0 | GA.15A | BA.16A | 30 | 8,0 | 41 |
| NJ.9A | 9 | 6 | 19 | 15,0 | GA.15A | BA.16A | 30 | 8,0 | 42 |
| NJ.10A | 10 | 6 | 19 | 16,5 | GA.15A | BA.16A | 30 | 8,0 | 41 |
| NJ.11A | 11 | 6 | 19 | 17,5 | GA.15A | BA.16A | 32 | 9,0 | 47 |
| NJ.12A | 12 | 6 | 19 | 19,0 | GA.15A | BA.16A | 30 | 9,0 | 49 |
| NJ.13A | 13 | 6 | 22 | 20,0 | GA.18A | BA.19A | 30 | 10,0 | 49 |
| NJ.14A | 14 | 6 | 22 | 21,5 | GA.18A | BA.19A | 30 | 11,5 | 63 |
| NJ.15A | 15 | 6 | 22 | 22,0 | GA.18A | BA.19A | 30 | 11,0 | 67 |
| NJ.16A | 16 | 6 | 22 | 24,0 | GA.18A | BA.19A | 30 | 12,5 | 72 |
| NJ.17A | 17 | 6 | 22 | 25,0 | GA.18A | BA.19A | 30 | 12,5 | 70 |
| NJ.18A | 18 | 6 | 22 | 26,5 | GA.18A | BA.19A | 30 | 12,5 | 73 |
| NJ.19A | 19 | 6 | 22 | 27,5 | GA.18A | BA.19A | 30 | 14,0 | 77 |

CREATE YOUR OWN BIT SOCKETS

Screw bits




- Series 2  5/16"
- Series 3  1/2"


 See Section 7

Impact bit holder  3/8"



NJ.236A
 5/16"
7.94 mm

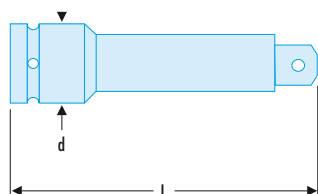


NJ.237A
 1/2"
12.70 mm

 See p. 322



 NJ.A - 3/8" drive impact extensions



ASME B107.2

- For your safety, use impact extensions and accessories with the appropriate rings and pins.

|  | d [mm] | GA | BA | L [mm] | $\Delta\Delta$ [g] |
|---|--------|--------|--------|--------|--------------------|
| NJ.210A | 19 | GA.15A | BA.16A | 75 | 95 |
| NJ.211A | 19 | GA.15A | BA.16A | 150 | 170 |



"Impact" range

3/8" drive impact universal joint

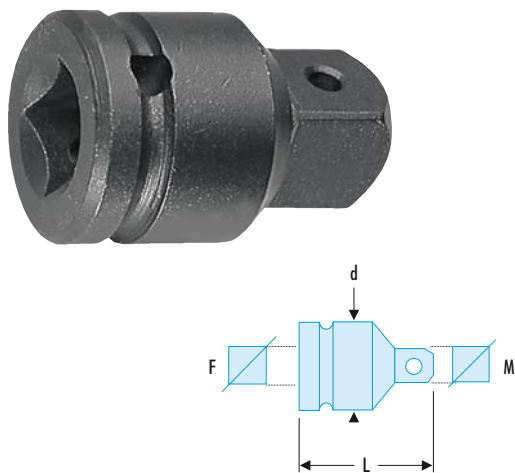


ASME B107.2

- For your safety, use impact universal joints with the appropriate rings and pins.

| ➤ | d [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|--------|--------|
| NJ.240A | 23.85 | GA.18A | BA.20A | 51 | 85 |

NJ.A - 3/8" drive impact couplers



ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.
- NJ.230A: 1/4" socket coupler.
- NJ.232A: 1/2" socket coupler.

| ➤ | Square ["] | d [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|---------------------|--------|--------|--------|--------|--------|
| NJ.230A | F = 3/8" - M = 1/4" | 22 | GA.18A | BA.19A | 32 | 40 |
| NJ.232A | F = 3/8" - M = 1/2" | 22 | GA.18A | BA.19A | 36 | 95 |

FACOM POWER TOOLS

FACOM HAS A WIDE RANGE OF AIR AND PORTABLE ELECTRIC TOOLS,

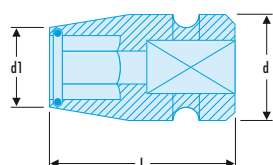
Including impact wrenches, ratchets, screwdrivers, drills, grinders, sanders, power chisels, etc.

➤ See section 14 p.676



Impact accessories 3/8"

NJ.A - 3/8" bit holder impact sockets



NF ISO 1711-2, ISO 1711-2, DIN 3121,

- NJ.236A: for 5/16 bits.
- NJ.237A: for 1/2 bits.

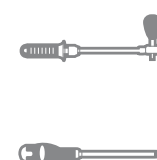
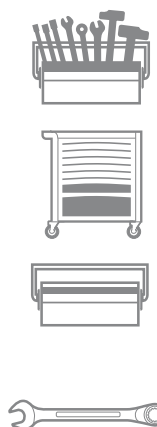
| ➤ | A ["] | Vierkant ["] | d [mm] | d1 [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|-------|--------------|--------|---------|--------|--------|--------|--------|
| NJ.236A | 5/16 | 3/8 | 19 | 14,0 | GA.15A | BA.16A | 37 | 35 |
| NJ.237A | 1/2 | 3/8 | 19 | 19 | GA.15A | BA.16A | 37 | 40 |

Impact sockets 3/8" and bits

▣ **JHX.14** Case with 14 impact 3/8" bits



- Including:
 - 2 bit holder sockets: 3/8", diam. 1/2" and 5/16" (Ref NJ.236A and NJ.237A).
 - 6 hex impact bits: 6 - 7 - 8 - 10 - 12 - 14 mm (Ref ENH.306 - ENH.307 - ENH.308 - ENH.310 - ENH.312 - ENH.314).
 - 5 Torx® impact bits: T30 - T40 - T45 - T50 - T55 (Ref NEX.30A - NEX.40A - NEX.45A - NEX.50A - NEX.55A).
 - 3 Phillips impact bits: PH2 - PH3 - PH4 (Réf ENP.202 - ENP.203 - ENP.204).
 - Plastic case BP.102, dim. (L. x D. x H.): 204 x 122 x 52 mm.
 - Thermoformed module PL402A.
- Weight: 780 g.

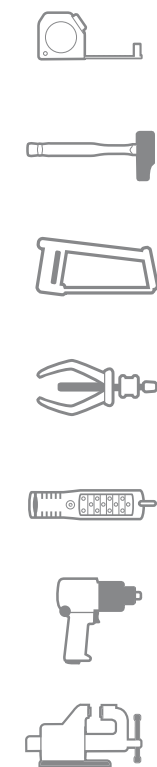


Impact sockets 1/2" and accessories set

▣ **NS.550A** Set of 1/2" short and long-reach impact sockets 10 to 32 mm



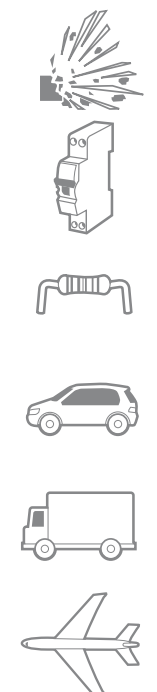
- Suitable for all automotive works: short sockets, long sockets, aluminium wheel sockets (17 - 19 - 21 mm).
 - For your safety, use impact sockets and accessories with the appropriate rings and pins (supplied in the case).
 - Comprising:
 - Standard sockets: 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 - 27 - 30 - 32 mm.
 - Long-reach sockets: 10 - 13 - 16 - 18 mm.
 - Sockets for alloy wheel nuts: 17 - 19 - 21 mm.
 - Extension: NS.215A.
 - Rings and associated pins.
 - Plastic case BP.109, dim. (L. x D. x H.): 478 x 234 x 72 mm.
 - Tray PL.716.
- Weight: 5.10 kg.



▣ **NS.500A** Set of 1/2" impact sockets 8 to 27 mm



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
 - Comprising:
 - Sockets: 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 - 27 mm.
 - Universal joint: NS.240A.
 - Extension: NS.215A.
 - Rings and associated pins.
 - Plastic case BP.112, dim. (L. x D. x H.): 389 x 164 x 66 mm.
 - Tray PL.416.
- Weight: 3.70 kg.



▣ NS.500AU Set of 1/2" impact sockets from 3/8" to 1"1/16



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
 - Comprising:
 - NS.A sockets: 3/8" --> 1"1/16.
 - Universal joint: NS.240A.
 - Extension: NS.215A.
 - Rings and associated pins.
 - Plastic case BP.112, dim. (L. x D. x H.): 389 x 164 x 66 mm.
 - Tray PL.417.
- Weight: 3.10 kg.

▣ NS.405A Set of 1/2" long-reach impact sockets 10 to 24 mm



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
 - Comprising:
 - 1/2" long-reach sockets: 10 - 11 - 12 - 13 - 14 - 16 - 17 - 19 - 21 - 22 - 23 - 24 mm.
 - Plastic case BP.112, dim. (L. x D. x H.): 389 x 164 x 66 mm.
 - Tray PL.418.
- Weight: 4 kg.

▣ NS.J9 9-piece rack set of 1/2" drive metric 6-point impact sockets



- A selection of the most popular sizes for automotive applications: NS.13A - NS.14A - NS.16A - NS.17A - NS.18 - NS.19A - NS.21A - NS.22A - NS.24A.
 - Essential accessory for any 1/2" drive.
 - Supplied on rack CKS.95.
- Weight: 1.20 kg.

▣ NSB.3 3-piece set of 1/2" long-reach thin-wall impact sockets for wheel nuts

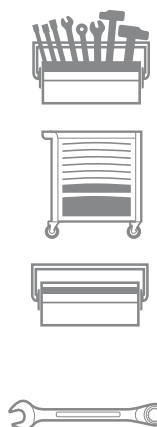


- Includes long-reach sockets NSB.17 - NSB.19 - NSB.21.
 - Special series for wheel nuts.
- Weight: 740 g.

▣ **NSTX.J7** 7-piece Torx® 1/2" impact socket rack set



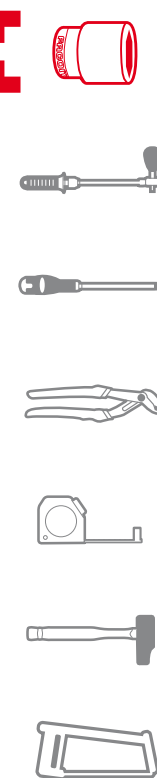
- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Set of 7 Torx® impact sockets drive 1/2".
- Comprising:
 - NSTX: E10 - E12 - E14 - E16 - E18 - E20 - E24.
- Supplied on rack CKS.97.
- Weight: 770 g.



▣ **NSHM.J8** 8-piece rack set of 1/2" drive metric bits for hexagon socket heads



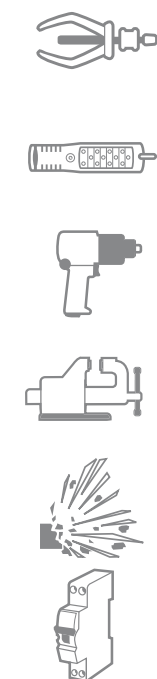
- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Set of 8 bits 1/2" drive for hexagon socket heads.
- Includes sizes: NSHM.5 - 6 - 8 - 10 - 12 - 14 - 17 - 19.
- Supplied on a rack CKS.95.
- Weight: 1.20 kg.



▣ **NHX.14A** 14-piece 1/2" drive impact bit set



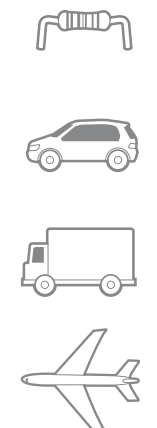
- Comprising:
 - 2 bit holders 1/2" square drive, diam. 1/2" and 5/16".
 - 6 hex: 6 - 7 - 8 - 10 - 12 and 14 mm.
 - Torx®: 30 - 40 - 45 - 50 - 55.
 - Phillips®: 2 - 3 - 4.
 - Plastic case BP.102.
 - Tray PL.402A.
- Weight: 800 g.



▣ **MOD.NS1** 1/2" drive impact socket module NS1



- Comprising:
 - 1/2" drive impact sockets: NSA 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24 mm.
 - 1/2" extension: NS215A 125 mm.
 - Tray PL610.
- Weight: 2 kg.



"Impact" range

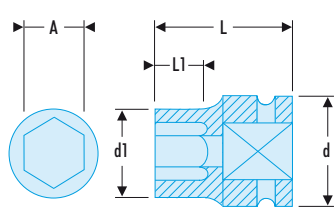
MOD.NS2 1/2" drive metric 6-point impact socket module



- Comprising:
 - Impact short sockets 1/2": NS.A 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 - 27 - 30 - 32 mm
 - Impact sockets 1/2" bit holders: NS.236A and NS.237A
 - Impact bits: ENH.3 6 - 7 - 8 - 10 - 12 - 14; ENP.2 2 - 3 - 4; NEX.A 30 - 40 - 45 - 50 - 55.
 - Tray PL.623.
- Weight: 985 g.

Impact sockets 1/2" and accessories

NS.A - 1/2" drive metric 6-point impact sockets

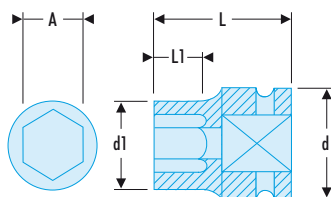


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|--------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| NS.8A | 8 | 6 | 25 | 15,0 | GA.20A | BA.20A | 38 | 9 | 70 |
| NS.9A | 9 | 6 | 25 | 16,0 | GA.20A | BA.20A | 38 | 12 | 70 |
| NS.10A | 10 | 6 | 25 | 17,5 | GA.20A | BA.20A | 38 | 12 | 75 |
| NS.11A | 11 | 6 | 25 | 18,7 | GA.20A | BA.20A | 38 | 12 | 76 |
| NS.12A | 12 | 6 | 25 | 20,0 | GA.20A | BA.20A | 38 | 12 | 75 |
| NS.13A | 13 | 6 | 25 | 21,0 | GA.20A | BA.20A | 38 | 12 | 76 |
| NS.14A | 14 | 6 | 25 | 22,5 | GA.20A | BA.20A | 38 | 12 | 83 |
| NS.15A | 15 | 6 | 30 | 23,7 | GA.24A | BA.25A | 38 | 12 | 112 |
| NS.16A | 16 | 6 | 30 | 25,0 | GA.24A | BA.25A | 38 | 12 | 105 |
| NS.17A | 17 | 6 | 30 | 26,5 | GA.24A | BA.25A | 38 | 13 | 112 |
| NS.18A | 18 | 6 | 30 | 27,5 | GA.24A | BA.25A | 38 | 13 | 110 |
| NS.19A | 19 | 6 | 30 | 29,0 | GA.24A | BA.25A | 38 | 14 | 112 |
| NS.20A | 20 | 6 | 30 | 30,0 | GA.24A | BA.25A | 38 | 15 | 116 |
| NS.21A | 21 | 6 | 30 | 31,0 | GA.24A | BA.25A | 38 | 15 | 156 |
| NS.22A | 22 | 6 | 30 | 32,5 | GA.24A | BA.25A | 38 | 16 | 156 |
| NS.23A | 23 | 6 | 30 | 33,5 | GA.24A | BA.25A | 38 | 16 | 156 |
| NS.24A | 24 | 6 | 30 | 35,0 | GA.24A | BA.25A | 45 | 20 | 169 |
| NS.26A | 26 | 6 | 30 | 38,0 | GA.24A | BA.25A | 50 | 24 | 192 |
| NS.27A | 27 | 6 | 30 | 39,0 | GA.24A | BA.25A | 50 | 24 | 220 |
| NS.28A | 28 | 6 | 30 | 40,0 | GA.24A | BA.25A | 50 | 24 | 273 |
| NS.29A | 29 | 6 | 30 | 41,0 | GA.24A | BA.25A | 50 | 24 | 276 |
| NS.30A | 30 | 6 | 30 | 43,0 | GA.24A | BA.25A | 50 | 24 | 285 |
| NS.32A | 32 | 6 | 30 | 45,0 | GA.24A | BA.25A | 50 | 24 | 278 |

NS.A - 1/2" drive inch 6-point impact sockets

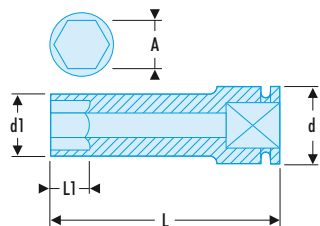


ASME B107.2

- For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ➤ | A ["] | ⌀ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|------------|---------|--------|--------|---------|--------|--------|--------|---------|--------|
| NS.3/8A | 3/8 | 6 | 25 | 17,5 | GA.20A | BA.20A | 38 | 12 | 75 |
| NS.7/16A | 7/16 | 6 | 25 | 18,7 | GA.20A | BA.20A | 38 | 12 | 76 |
| NS.1/2A | 1/2 | 6 | 25 | 21,0 | GA.20A | BA.20A | 38 | 12 | 76 |
| NS.9/16A | 9/16 | 6 | 25 | 22,5 | GA.20A | BA.20A | 38 | 12 | 83 |
| NS.5/8A | 5/8 | 6 | 30 | 25,0 | GA.24A | BA.25A | 38 | 12 | 105 |
| NS.11/16A | 11/16 | 6 | 30 | 26,5 | GA.24A | BA.25A | 38 | 13 | 112 |
| NS.3/4A | 3/4 | 6 | 30 | 29,0 | GA.24A | BA.25A | 38 | 14 | 112 |
| NS.13/16A | 13/16 | 6 | 30 | 31,0 | GA.24A | BA.25A | 38 | 15 | 156 |
| NS.7/8A | 7/8 | 6 | 30 | 33,5 | GA.24A | BA.25A | 38 | 16 | 162 |
| NS.15/16A | 15/16 | 6 | 30 | 33,5 | GA.24A | BA.25A | 38 | 16 | 162 |
| NS.1'A | 1' | 6 | 30 | 38,0 | GA.24A | BA.25A | 50 | 24 | 192 |
| NS.1'1/16A | 1' 1/16 | 6 | 30 | 39,0 | GA.24A | BA.25A | 50 | 24 | 220 |

■ NS.LA - 1/2" drive long-reach metric 6-point impact sockets

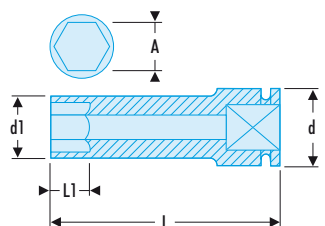


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| NS.8LA | 8 | 6 | 25 | 15,0 | GA.20A | BA.20A | 78 | 13 | 130 |
| NS.10LA | 10 | 6 | 25 | 17,5 | GA.20A | BA.20A | 78 | 14 | 154 |
| NS.11LA | 11 | 6 | 25 | 18,7 | GA.20A | BA.20A | 78 | 14 | 163 |
| NS.12LA | 12 | 6 | 25 | 20,0 | GA.20A | BA.20A | 78 | 14 | 169 |
| NS.13LA | 13 | 6 | 25 | 21,0 | GA.20A | BA.20A | 78 | 14 | 185 |
| NS.14LA | 14 | 6 | 25 | 22,5 | GA.20A | BA.20A | 78 | 17 | 201 |
| NS.16LA | 16 | 6 | 30 | 25,0 | GA.24A | BA.25A | 78 | 17 | 224 |
| NS.17LA | 17 | 6 | 30 | 26,0 | GA.24A | BA.25A | 78 | 17 | 252 |
| NS.18LA | 18 | 6 | 30 | 27,5 | GA.24A | BA.25A | 78 | 17 | 283 |
| NS.19LA | 19 | 6 | 30 | 29,0 | GA.24A | BA.25A | 78 | 19 | 268 |
| NS.21LA | 21 | 6 | 30 | 31,0 | GA.24A | BA.25A | 78 | 24 | 310 |
| NS.22LA | 22 | 6 | 30 | 32,5 | GA.24A | BA.25A | 78 | 24 | 302 |
| NS.23LA | 23 | 6 | 30 | 33,5 | GA.24A | BA.25A | 78 | 24 | 298 |
| NS.24LA | 24 | 6 | 30 | 35,0 | GA.24A | BA.25A | 78 | 24 | 309 |
| NS.26LA | 26 | 6 | 30 | 38,0 | GA.24A | BA.25A | 78 | 24 | 311 |
| NS.27LA | 27 | 6 | 30 | 39,0 | GA.24A | BA.25A | 78 | 24 | 325 |
| NS.28LA | 28 | 6 | 30 | 40,0 | GA.24A | BA.25A | 78 | 24 | 323 |
| NS.29LA | 29 | 6 | 30 | 41,0 | GA.24A | BA.25A | 78 | 24 | 357 |
| NS.30LA | 30 | 6 | 30 | 43,0 | GA.24A | BA.25A | 78 | 24 | 352 |
| NS.32LA | 32 | 6 | 30 | 45,0 | GA.24A | BA.25A | 78 | 24 | 317 |

■ NSB - 1/2" drive long-reach metric thin-wall 6-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Thin wall for better access.
- 6-point convex pattern for increased resilience.

| ➤ | A [mm] | ⌀ [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|--------|--------|---------|--------|
| NSB.8 | 8 | 6 | 13,0 | GA.20A | BA.20A | 80 | 8 | 165 |
| NSB.10 | 10 | 6 | 15,0 | GA.20A | BA.20A | 80 | 10 | 170 |
| NSB.13 | 13 | 6 | 19,0 | GA.20A | BA.20A | 80 | 13 | 210 |
| NSB.15 | 15 | 6 | 22,0 | GA.24A | BA.25A | 80 | 15 | 220 |
| NSB.16 | 16 | 6 | 23,0 | GA.24A | BA.25A | 80 | 16 | 230 |
| NSB.17 | 17 | 6 | 24,0 | GA.24A | BA.25A | 80 | 17 | 245 |
| NSB.18 | 18 | 6 | 25,5 | GA.24A | BA.25A | 80 | 18 | 245 |
| NSB.19 | 19 | 6 | 27,0 | GA.24A | BA.25A | 80 | 19 | 240 |
| NSB.21 | 21 | 6 | 30,0 | GA.24A | BA.25A | 80 | 22 | 245 |
| NSB.22 | 22 | 6 | 31,0 | GA.24A | BA.25A | 85 | 23 | 250 |
| NSB.24 | 24 | 6 | 32,0 | GA.24A | BA.25A | 85 | 24 | 280 |
| NSB.27 | 27 | 6 | 36,0 | GA.24A | BA.25A | 85 | 27 | 325 |
| NSB.30 | 30 | 6 | 39,0 | GA.24A | BA.25A | 85 | 30 | 330 |
| NSB.32 | 32 | 6 | 41,0 | GA.24A | BA.25A | 85 | 32 | 335 |

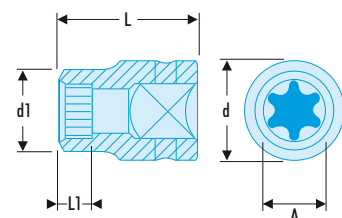
SOCKETS FOR ALLOY WHEELS

- NSAL.3 = set of 3 deep impact sockets with protective plastic sleeves to prevent damage to polished chrome or alloy wheels.

➤ See Section 19 p. 954



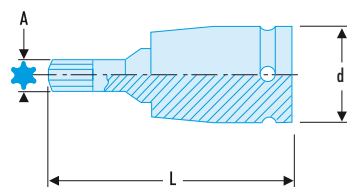
■ NSTX Torx® 1/2" impact sockets



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- For Torx® male drive fasteners.

| ➤ | A [mm] | Torx [No] | d [mm] | d1 [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|--------|-----------|--------|---------|--------|--------|--------|--------|
| NSTX.10 | 9,19 | E10 | 25 | 14,2 | GA.20A | BA.20A | 38 | 86 |
| NSTX.12 | 10,95 | E12 | 25 | 15,2 | GA.20A | BA.20A | 38 | 85 |
| NSTX.14 | 12,67 | E14 | 25 | 18,2 | GA.20A | BA.20A | 38 | 88 |
| NSTX.16 | 14,70 | E16 | 25 | 19,2 | GA.20A | BA.20A | 38 | 88 |
| NSTX.18 | 16,38 | E18 | 25 | 22,2 | GA.20A | BA.20A | 38 | 89 |
| NSTX.20 | 18,16 | E20 | 30 | 24,2 | GA.24A | BA.24A | 38 | 134 |
| NSTX.24 | 21,84 | E24 | 30 | 28,2 | GA.24A | BA.24A | 40 | 138 |

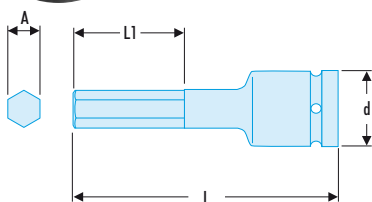
■ NSX 1/2" drive impact bits for Torx® heads



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- For Torx® male drive fasteners.

| ➤ | A [mm] | Torx [No] | d [mm] | Bits | L [mm] | ΔΔ [g] |
|----------------|--------|-----------|--------|---------|--------|--------|
| NSX.30A | 5,49 | T30 | 25 | NEX.30A | 70 | 90 |
| NSX.40A | 6,60 | T40 | 25 | NEX.40A | 70 | 95 |
| NSX.45A | 7,77 | T45 | 25 | NEX.45A | 70 | 95 |
| NSX.50A | 8,79 | T50 | 25 | NEX.50A | 70 | 100 |
| NSX.55A | 11,17 | T55 | 25 | NEX.55A | 70 | 105 |
| NSX.60A | 13,20 | T60 | 25 | NEX.60A | 70 | 110 |

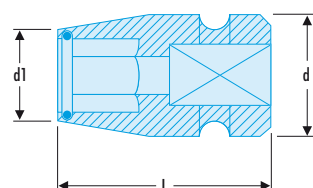
■ NSHM 1/2" drive metric impact bits for hexagon socket heads



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Monobloc driver socket.

| ➤ | A [mm] | ⊕ [mm] | d [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|--------|--------|--------|---------|--------|
| NSHM.5 | 5 | 6 | 25 | GA.20A | BA.20A | 75 | 20 | 60 |
| NSHM.6 | 6 | 6 | 25 | GA.20A | BA.20A | 75 | 20 | 60 |
| NSHM.8 | 8 | 6 | 25 | GA.20A | BA.20A | 75 | 25 | 80 |
| NSHM.10 | 10 | 6 | 25 | GA.20A | BA.20A | 75 | 25 | 100 |
| NSHM.12 | 12 | 6 | 25 | GA.20A | BA.20A | 75 | 25 | 120 |
| NSHM.14 | 14 | 6 | 25 | GA.20A | BA.20A | 75 | 25 | 120 |
| NSHM.17 | 17 | 6 | 25 | GA.20A | BA.20A | 75 | 25 | 160 |
| NSHM.19 | 19 | 6 | 25 | GA.20A | BA.20A | 75 | 25 | 180 |

■ NS.A - 1/2" impact bit holder sockets

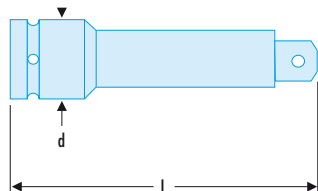


NF ISO 1711-2, ISO 1711-2, DIN 3121

- For 1/2" bits.
- NS.236: for 5/16" bits.
- NS.237: for 1/2" bits.

| ➤ | A ["] | Square ["] | d [mm] | d1 [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|-------|------------|--------|---------|--------|--------|--------|--------|
| NS.236A | 5/16 | 1/2 | 25 | 15,5 | GA.20A | BA.20A | 40 | 65 |
| NS.237A | 1/2 | 1/2 | 25 | 20 | GA.20A | BA.20A | 40 | 40 |

■ NS.A - 1/2" drive impact extensions

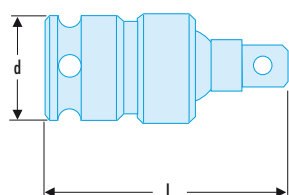


ASME B107.2

• For your safety, use impact extensions and accessories with the appropriate rings and pins.

| ➤ | d [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|--------|--------|
| NS.210A | 25 | GA.20A | BA.20A | 50 | 105 |
| NS.215A | 25 | GA.20A | BA.20A | 125 | 235 |
| NS.218A | 25 | GA.20A | BA.20A | 175 | 370 |
| NS.219A | 25 | GA.20A | BA.20A | 250 | 520 |

■ 1/2" drive impact universal joint

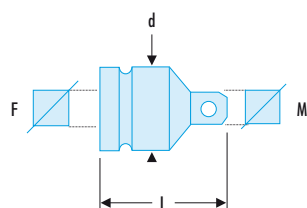


ASME B107.2

• For your safety, use impact universal joints with the appropriate rings and pins.

| ➤ | d [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|--------|--------|
| NS.240A | 27,9 | GA.24A | BA.24A | 60 | 205 |

■ 1/2" to 3/4" impact coupler

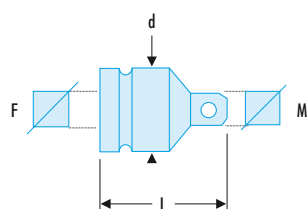


ASME B107.2

• For your safety, use impact couplers with the appropriate rings and pins.

| ➤ | Square ["] | d [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|---------------------|--------|--------|--------|--------|--------|
| NS.232B | F = 1/2" - M = 3/4" | 31 | GA.24A | BA.25A | 50 | 185 |

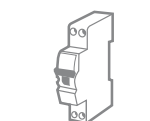
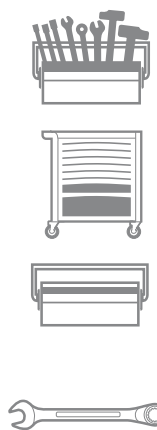
■ 1/2" to 3/8" impact coupler



ASME B107.2

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ➤ | Square ["] | d [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|---------------------|--------|--------|--------|--------|--------|
| NS.230A | F = 1/2" - M = 3/8" | 25 | GA.20A | BA.20A | 41 | 90 |



▣ **NK.500E** Set of 3/4" impact sockets 19 to 42 mm



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
 - Comprising:
 - Sockets: NK.19A - NK.21A - NK.22A - NK.23A - NK.24A - NK.26A - NK.27A - NK.28A - NK.29A - NK.30A - NK.32A - NK.34A - NK.36A - NK.38A - NK.41A - NK.42A.
 - Rings: BA.38A.
 - Pins: GA.37A.
 - Accessories: NK.210A and NS.240A.
 - Metal case BT.111, dim. (L. x D. x H.): 396 x 224 x 82 mm.
 - Tray PL.79A.
- Weight: 12.40 kg.

▣ **NK.500U** Set of 3/4" impact sockets size 3/4" to 1"5/8



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
 - Comprising:
 - Sockets: NK.1'1/16A - NK.1'1/2A - NK.1'1/4A - NK.1'1/8A - NK.13/16A - NK.15/16A - NK.1'5/16A - NK.1'5/8A - NK.1'7/16A - NK.1'A - NK.3/4A - NK.7/8A.
 - Pin: GA.37A.
 - Ring: BA.38A.
 - Accessories: NK.210A and NK.240A.
 - Metal case BT.111, dim.(L. x D. x H.): 396 x 224 x 82 mm.
 - Tray PL.80A.
- Weight: 10.30 kg.

FACOM POWER TOOLS

FACOM HAS A WIDE RANGE OF AIR AND PORTABLE ELECTRIC TOOLS,

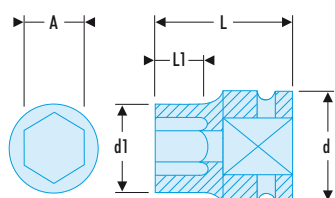
Including impact wrenches, ratchets, screwdrivers, drills, grinders, sanders, power chisels, etc.

➤ See section 14 p.676



Impact sockets 3/4" and accessories

■ NK.A - 3/4" drive metric 6-point impact sockets

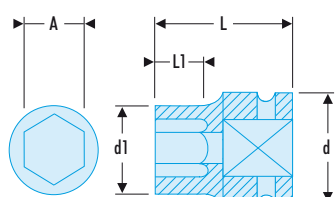


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ⇒ | A [mm] | ⊕ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| NK.17A | 17 | 6 | 44 | 30 | GA.37A | BA.38A | 52 | 12 | 300 |
| NK.18A | 18 | 6 | 44 | 32 | GA.37A | BA.38A | 50 | 13 | 310 |
| NK.19A | 19 | 6 | 44 | 33 | GA.37A | BA.38A | 50 | 14 | 315 |
| NK.21A | 21 | 6 | 44 | 35 | GA.37A | BA.38A | 50 | 15 | 330 |
| NK.22A | 22 | 6 | 44 | 37 | GA.37A | BA.38A | 50 | 16 | 345 |
| NK.23A | 23 | 6 | 44 | 38 | GA.37A | BA.38A | 50 | 16 | 350 |
| NK.24A | 24 | 6 | 44 | 39 | GA.37A | BA.38A | 50 | 17 | 350 |
| NK.26A | 26 | 6 | 44 | 42 | GA.37A | BA.38A | 50 | 18 | 480 |
| NK.27A | 27 | 6 | 44 | 43 | GA.37A | BA.38A | 54 | 23 | 480 |
| NK.28A | 28 | 6 | 44 | 44 | GA.37A | BA.38A | 54 | 23 | 520 |
| NK.29A | 29 | 6 | 44 | 45 | GA.37A | BA.38A | 54 | 23 | 520 |
| NK.30A | 30 | 6 | 44 | 47 | GA.37A | BA.38A | 54 | 23 | 545 |
| NK.32A | 32 | 6 | 44 | 49 | GA.37A | BA.38A | 56 | 23 | 620 |
| NK.33A | 33 | 6 | 44 | 51 | GA.37A | BA.38A | 56 | 23 | 650 |
| NK.34A | 34 | 6 | 44 | 52 | GA.37A | BA.38A | 56 | 23 | 680 |
| NK.35A | 35 | 6 | 44 | 53 | GA.37A | BA.38A | 56 | 23 | 680 |
| NK.36A | 36 | 6 | 44 | 54 | GA.37A | BA.38A | 56 | 25 | 705 |
| NK.38A | 38 | 6 | 44 | 57 | GA.37A | BA.38A | 58 | 26 | 890 |
| NK.41A | 41 | 6 | 44 | 60 | GA.37A | BA.38A | 58 | 28 | 890 |
| NK.42A | 42 | 6 | 44 | 62 | GA.37A | BA.38A | 58 | 29 | 925 |
| NK.46A | 46 | 6 | 44 | 67 | GA.37A | BA.38A | 63 | 32 | 1055 |

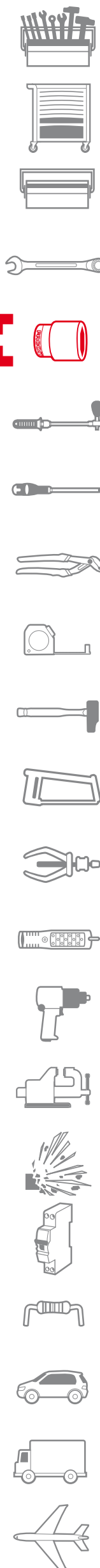
■ NK.A - 3/4" drive inch 6-point impact sockets



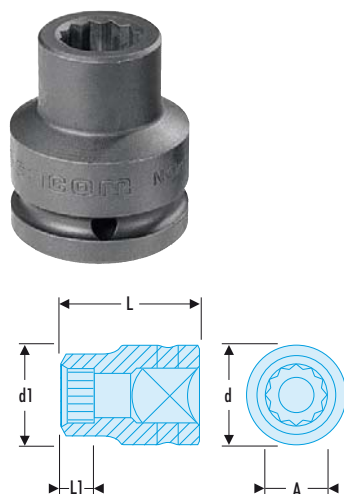
ASME B107.2

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ⇒ | A ["] | ⊕ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|-------------------|---------|--------|--------|---------|--------|--------|--------|---------|--------|
| NK.3/4A | 3/4 | 6 | 44 | 33 | GA.37A | BA.38A | 50 | 14 | 315 |
| NK.13/16A | 13/16 | 6 | 44 | 35 | GA.37A | BA.38A | 50 | 15 | 330 |
| NK.7/8A | 7/8 | 6 | 44 | 37 | GA.37A | BA.38A | 50 | 16 | 345 |
| NK.15/16A | 15/16 | 6 | 44 | 39 | GA.37A | BA.38A | 50 | 17 | 350 |
| NK.1"A | 1" | 6 | 44 | 41 | GA.37A | BA.38A | 50 | 18 | 480 |
| NK.1 1/16A | 1 1/16 | 6 | 44 | 43 | GA.37A | BA.38A | 54 | 23 | 480 |
| NK.1 1/8A | 1 1/8 | 6 | 44 | 44 | GA.37A | BA.38A | 54 | 23 | 520 |
| NK.1 1/4A | 1 1/4 | 6 | 44 | 49 | GA.37A | BA.38A | 56 | 23 | 620 |
| NK.1 5/16A | 1 5/16 | 6 | 44 | 53 | GA.37A | BA.38A | 56 | 23 | 680 |
| NK.1 7/16A | 1 7/16" | 6 | 44 | 55 | GA.37A | BA.38A | 56 | 24 | 515 |
| NK.1 1/2A | 1 1/2 | 6 | 44 | 57 | GA.37A | BA.38A | 58 | 26 | 890 |
| NK.1 5/8A | 1 5/8 | 6 | 44 | 60 | GA.37A | BA.38A | 58 | 28 | 890 |



█ NKD - 3/4" drive metric 12-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ⇒ | A [mm] | ⊕ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| NKD.16A | 16 | 12 | 44 | 29,0 | GA.37A | BA.38A | 52 | 12 | 300 |
| NKD.17A | 17 | 12 | 44 | 30,0 | GA.37A | BA.38A | 52 | 12 | 305 |
| NKD.18A | 18 | 12 | 44 | 31,5 | GA.37A | BA.38A | 52 | 14 | 310 |
| NKD.19A | 19 | 12 | 44 | 32,5 | GA.37A | BA.38A | 52 | 14 | 315 |
| NKD.22A | 22 | 12 | 44 | 36,5 | GA.37A | BA.38A | 52 | 16 | 340 |

█ NK.LA - 3/4" drive metric long-reach metric 6-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ⇒ | A [mm] | ⊕ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| NK.17LA | 17 | 6 | 44 | 31 | GA.37A | BA.38A | 95 | 17 | 550 |
| NK.19LA | 19 | 6 | 44 | 33 | GA.37A | BA.38A | 95 | 17 | 620 |
| NK.21LA | 21 | 6 | 44 | 35 | GA.37A | BA.38A | 95 | 24 | 600 |
| NK.22LA | 22 | 6 | 44 | 37 | GA.37A | BA.38A | 95 | 24 | 780 |
| NK.23LA | 23 | 6 | 44 | 38 | GA.37A | BA.38A | 95 | 24 | 780 |
| NK.24LA | 24 | 6 | 44 | 39 | GA.37A | BA.38A | 95 | 24 | 820 |
| NK.26LA | 26 | 6 | 44 | 42 | GA.37A | BA.38A | 95 | 24 | 800 |
| NK.27LA | 27 | 6 | 44 | 43 | GA.37A | BA.38A | 95 | 24 | 810 |
| NK.29LA | 29 | 6 | 44 | 45 | GA.37A | BA.38A | 95 | 24 | 890 |
| NK.30LA | 30 | 6 | 44 | 47 | GA.37A | BA.38A | 95 | 24 | 900 |
| NK.32LA | 32 | 6 | 44 | 49 | GA.37A | BA.38A | 95 | 24 | 930 |
| NK.33LA | 33 | 6 | 44 | 51 | GA.37A | BA.38A | 95 | 24 | 980 |
| NK.34LA | 34 | 6 | 44 | 52 | GA.37A | BA.38A | 95 | 24 | 1100 |
| NK.35LA | 35 | 6 | 44 | 53 | GA.37A | BA.38A | 95 | 24 | 1240 |
| NK.36LA | 36 | 6 | 44 | 54 | GA.37A | BA.38A | 95 | 25 | 1240 |
| NK.38LA | 38 | 6 | 44 | 57 | GA.37A | BA.38A | 95 | 60 | 1220 |
| NK.41LA | 41 | 6 | 44 | 60 | GA.37A | BA.38A | 95 | 60 | 1470 |
| NK.42LA | 42 | 6 | 44 | 62 | GA.37A | BA.38A | 95 | 60 | 1450 |
| NK.46LA | 46 | 6 | 44 | 67 | GA.37A | BA.38A | 95 | 60 | 1480 |

█ NKB - 3/4" drive long-reach metric thin-wall 6-point impact sockets

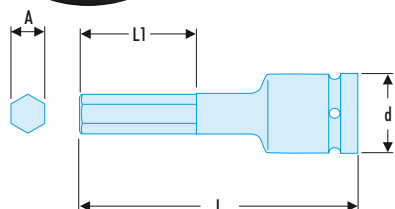


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Thin wall for better access.
- 6-point convex pattern for increased resilience.

| ⇒ | A [mm] | ⊕ [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|--------|--------|---------|--------|
| NKB.21 | 21 | 6 | 33 | GA.37A | BA.38A | 102 | 21 | 600 |
| NKB.22 | 22 | 6 | 34 | GA.37A | BA.38A | 102 | 22 | 600 |
| NKB.24 | 24 | 6 | 36 | GA.37A | BA.38A | 102 | 24 | 640 |
| NKB.27 | 27 | 6 | 40 | GA.37A | BA.38A | 102 | 27 | 670 |
| NKB.30 | 30 | 6 | 43 | GA.37A | BA.38A | 102 | 30 | 700 |
| NKB.32 | 32 | 6 | 46 | GA.37A | BA.38A | 102 | 32 | 706 |
| NKB.33 | 33 | 6 | 48 | GA.37A | BA.38A | 102 | 33 | 750 |
| NKB.36 | 36 | 6 | 50 | GA.37A | BA.38A | 102 | 36 | 765 |

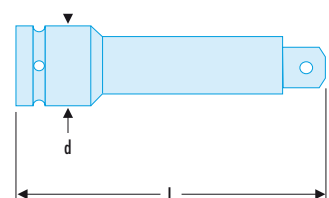
■ NKHM - 3/4" drive metric impact bits for hexagon socket head



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Non-removable bits.


|  | A [mm] | ϕ [mm] | d [mm] | GA | BA | L [mm] | L1 [mm] | $\Delta\Delta$ [g] |
|---|--------|-------------|--------|--------|--------|--------|---------|--------------------|
| NKHM.17 | 17 | 6 | 44 | GA.37A | BA.38A | 100 | 20 | 600 |
| NKHM.19 | 19 | 6 | 44 | GA.37A | BA.38A | 100 | 20 | 600 |
| NKHM.22 | 22 | 6 | 44 | GA.37A | BA.38A | 100 | 20 | 600 |
| NKHM.24 | 24 | 6 | 44 | GA.37A | BA.38A | 100 | 20 | 600 |

■ NK.A - 3/4" drive impact extensions



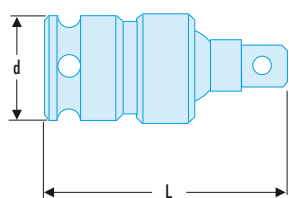
ASME B107.2

- For your safety, use impact extensions and accessories with the appropriate rings and pins.

|  | d [mm] | GA | BA | L [mm] | $\Delta\Delta$ [g] |
|---|--------|--------|--------|--------|--------------------|
| NK.209A | 44 | GA.37A | BA.38A | 100 | 600 |
| NK.210A | 44 | GA.37A | BA.38A | 175 | 105 |
| NK.215A | 44 | GA.37A | BA.38A | 252 | 117 |
| NK.218A | 44 | GA.37A | BA.38A | 330 | 151 |




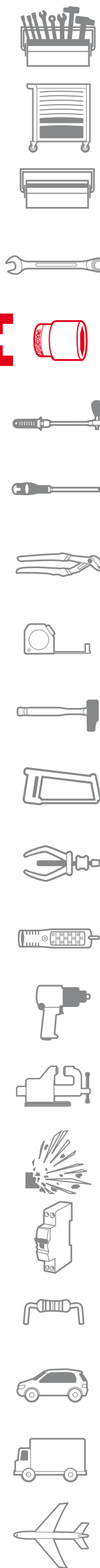
■ 3/4" drive impact universal joint



ASME B107.2

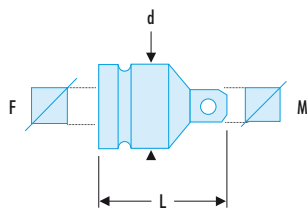
- For your safety, use impact universal joints with the appropriate rings and pins.

|  | d [mm] | GA | BA | L [mm] | $\Delta\Delta$ [g] |
|---|--------|--------|--------|--------|--------------------|
| NK.240A | 44 | GA.37A | BA.38A | 90 | 720 |



"Impact" range

3/4" to 1/2" impact coupler

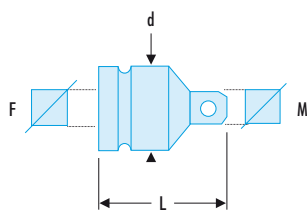


ASME B107.2

• For your safety, use impact couplers with the appropriate rings and pins.

| ➤ | Square ["] | d [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|-------------------|--------|--------|--------|--------|--------|
| NK.230A | F = 3/4" - M = 1" | 54 | GA.37A | BA.38A | 75 | 210 |

3/4" to 1" impact coupler



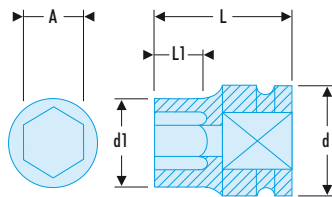
ASME B107.2

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ➤ | Square ["] | d [mm] | GA | BA | L [mm] | ΔΔ [g] |
|----------------|-------------------|--------|--------|--------|--------|--------|
| NK.232A | F = 3/4" - M = 1" | 43 | GA.37A | BA.38A | 71 | 525 |

Impact sockets 1" and accessories

NM.A - 1" drive metric 6-point impact sockets

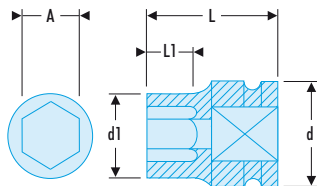


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ➤ | A [mm] | ⊙ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [kg] |
|---------------|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| NM.21A | 21 | 6 | 54 | 38 | GA.43A | BA.46A | 58 | 17 | 0,520 |
| NM.22A | 22 | 6 | 54 | 40 | GA.43A | BA.46A | 58 | 17 | 0,500 |
| NM.23A | 23 | 6 | 54 | 41 | GA.43A | BA.46A | 58 | 17 | 0,500 |
| NM.24A | 24 | 6 | 54 | 42 | GA.43A | BA.46A | 58 | 17 | 0,500 |
| NM.26A | 26 | 6 | 54 | 44 | GA.43A | BA.46A | 58 | 18 | 0,520 |
| NM.27A | 27 | 6 | 54 | 46 | GA.43A | BA.46A | 58 | 19 | 0,520 |
| NM.28A | 28 | 6 | 54 | 47 | GA.43A | BA.46A | 58 | 20 | 0,520 |
| NM.29A | 29 | 6 | 54 | 48 | GA.43A | BA.46A | 60 | 20 | 0,520 |
| NM.30A | 30 | 6 | 54 | 50 | GA.43A | BA.46A | 60 | 20 | 0,750 |
| NM.32A | 32 | 6 | 54 | 52 | GA.43A | BA.46A | 60 | 22 | 0,760 |
| NM.33A | 33 | 6 | 54 | 53 | GA.43A | BA.46A | 60 | 22 | 0,750 |
| NM.34A | 34 | 6 | 54 | 55 | GA.43A | BA.46A | 62 | 23 | 0,750 |
| NM.35A | 35 | 6 | 54 | 56 | GA.43A | BA.46A | 62 | 26 | 0,800 |
| NM.36A | 36 | 6 | 54 | 57 | GA.43A | BA.46A | 65 | 26 | 0,840 |
| NM.38A | 38 | 6 | 54 | 60 | GA.43A | BA.46A | 65 | 30 | 0,840 |
| NM.41A | 41 | 6 | 54 | 63 | GA.43A | BA.46A | 67 | 30 | 1,040 |
| NM.42A | 42 | 6 | 54 | 65 | GA.43A | BA.46A | 74 | 35 | 1,040 |
| NM.46A | 46 | 6 | 54 | 70 | GA.43A | BA.46A | 74 | 35 | 1,500 |
| NM.50A | 50 | 6 | 54 | 75 | GA.43A | BA.46A | 80 | 40 | 1,650 |
| NM.52A | 52 | 6 | 54 | 77 | GA.43A | BA.46A | 84 | 42 | 1,750 |
| NM.54A | 54 | 6 | 54 | 80 | GA.43A | BA.46A | 84 | 42 | 1,790 |
| NM.55A | 55 | 6 | 54 | 81 | GA.43A | BA.46A | 84 | 42 | 1,840 |
| NM.56A | 56 | 6 | 54 | 82 | GA.43A | BA.46A | 84 | 42 | 2,060 |
| NM.58A | 58 | 6 | 54 | 85 | GA.43A | BA.46A | 87 | 44 | 2,190 |
| NM.60A | 60 | 6 | 54 | 87 | GA.43A | BA.46A | 87 | 44 | 2,370 |
| NM.65A | 65 | 6 | 54 | 93 | GA.43A | BA.46A | 90 | 46 | 2,730 |
| NM.70A | 70 | 6 | 54 | 100 | GA.43A | BA.46A | 96 | 50 | 2,980 |
| NM.75A | 75 | 6 | 86 | 106 | GA.75A | BA.75A | 98 | 50 | 3,300 |
| NM.77A | 77 | 6 | 86 | 109 | GA.75A | BA.75A | 100 | 50 | 3,500 |

■ NM.A - 1" drive inch 6-point impact sockets

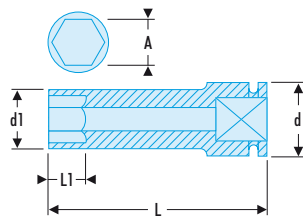


ASME B107.2

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ➤ | A ["] | ⌀ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [kg] |
|-------------|----------|--------|--------|---------|--------|--------|--------|---------|---------|
| NM.1'A | 1" | 6 | 54 | 44 | GA.43A | BA.46A | 58 | 18 | 0,520 |
| NM.1'1/8A | 1 1/8" | 6 | 54 | 48 | GA.43A | BA.46A | 60 | 20 | 0,520 |
| NM.1'1/4A | 1 1/4" | 6 | 54 | 52 | GA.43A | BA.46A | 60 | 22 | 0,760 |
| NM.1'5/16A | 1 5/16" | 6 | 54 | 54 | GA.43A | BA.46A | 62 | 22 | 0,750 |
| NM.1'1/2A | 1 1/2" | 6 | 54 | 60 | GA.43A | BA.46A | 65 | 30 | 1,620 |
| NM.1'5/8A | 1 5/8" | 6 | 54 | 63 | GA.43A | BA.46A | 67 | 30 | 1,040 |
| NM.1'13/16A | 1 13/16" | 6 | 54 | 70 | GA.43A | BA.46A | 74 | 35 | 1,500 |
| NM.1'7/8A | 1 7/8" | 6 | 54 | 72 | GA.43A | BA.46A | 74 | 35 | 1,620 |
| NM.2'A | 2" | 6 | 54 | 77 | GA.43A | BA.46A | 84 | 42 | 1,750 |
| NM.2'1/8A | 2 1/8" | 6 | 54 | 80 | GA.43A | BA.46A | 84 | 42 | 1,790 |

■ NM.LA - 1" drive long-reach metric 6-point impact sockets

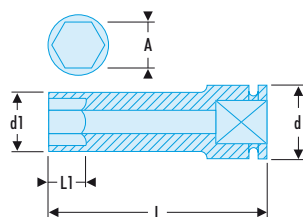


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [kg] |
|---------|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| NM.22LA | 22 | 6 | 54 | 40,0 | GA.43A | BA.46A | 100 | 21 | 1,000 |
| NM.23LA | 23 | 6 | 54 | 41,0 | GA.43A | BA.46A | 100 | 21 | 1,050 |
| NM.24LA | 24 | 6 | 54 | 42,0 | GA.43A | BA.46A | 100 | 21 | 1,050 |
| NM.26LA | 26 | 6 | 54 | 44,5 | GA.43A | BA.46A | 100 | 24 | 1,080 |
| NM.27LA | 27 | 6 | 54 | 46,0 | GA.43A | BA.46A | 100 | 24 | 1,120 |
| NM.29LA | 29 | 6 | 54 | 48,0 | GA.43A | BA.46A | 100 | 24 | 1,200 |
| NM.30LA | 30 | 6 | 54 | 50,0 | GA.43A | BA.46A | 100 | 24 | 1,200 |
| NM.32LA | 32 | 6 | 54 | 52,0 | GA.43A | BA.46A | 100 | 24 | 1,250 |
| NM.33LA | 33 | 6 | 54 | 53,0 | GA.43A | BA.46A | 100 | 24 | 1,320 |
| NM.34LA | 34 | 6 | 54 | 55,0 | GA.43A | BA.46A | 100 | 40 | 1,320 |
| NM.35LA | 35 | 6 | 54 | 56,0 | GA.43A | BA.46A | 100 | 60 | 1,340 |
| NM.36LA | 36 | 6 | 54 | 57,0 | GA.43A | BA.46A | 100 | 65 | 1,500 |
| NM.38LA | 38 | 6 | 54 | 60,0 | GA.43A | BA.46A | 100 | 65 | 1,500 |
| NM.41LA | 41 | 6 | 54 | 63,0 | GA.43A | BA.46A | 100 | 64 | 1,650 |
| NM.42LA | 42 | 6 | 54 | 65,0 | GA.43A | BA.46A | 100 | 64 | 1,650 |
| NM.46LA | 46 | 6 | 54 | 70,0 | GA.43A | BA.46A | 100 | 63 | 1,560 |
| NM.50LA | 50 | 6 | 54 | 75,0 | GA.43A | BA.46A | 100 | 62 | 1,870 |
| NM.54LA | 54 | 6 | 54 | 80,0 | GA.43A | BA.46A | 100 | 61 | 1,780 |
| NM.55LA | 55 | 6 | 54 | 81,0 | GA.43A | BA.46A | 100 | 60 | 1,930 |
| NM.58LA | 58 | 6 | 54 | 85,0 | GA.43A | BA.46A | 105 | 65 | 2,120 |
| NM.60LA | 60 | 6 | 54 | 87,0 | GA.43A | BA.46A | 120 | 78 | 2,180 |
| NM.65LA | 65 | 6 | 54 | 93,0 | GA.43A | BA.46A | 125 | 80 | 2,250 |
| NM.70LA | 70 | 6 | 54 | 100,0 | GA.43A | BA.46A | 125 | 80 | 2,230 |

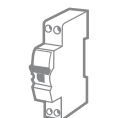
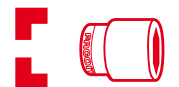
■ NMB - Long-reach 6-point thin-wall sockets



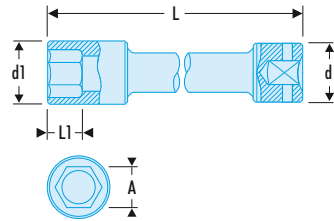
NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- Thin wall for better access.
- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- 6-point convex pattern for increased resilience.

| ➤ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [kg] |
|--------|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| NMB.24 | 24 | 6 | 54 | 38 | GA.43A | BA.46A | 108 | 24 | 0,940 |
| NMB.27 | 27 | 6 | 54 | 42 | GA.43A | BA.46A | 108 | 27 | 1,000 |
| NMB.30 | 30 | 6 | 54 | 46 | GA.43A | BA.46A | 108 | 30 | 1,040 |
| NMB.32 | 32 | 6 | 54 | 48 | GA.43A | BA.46A | 108 | 32 | 1,040 |
| NMB.33 | 33 | 6 | 54 | 49 | GA.43A | BA.46A | 108 | 33 | 1,050 |
| NMB.36 | 36 | 6 | 54 | 53 | GA.43A | BA.46A | 108 | 36 | 1,080 |
| NMB.46 | 46 | 6 | 54 | 66 | GA.43A | BA.46A | 108 | 38 | 1,480 |
| NMB.50 | 50 | 6 | 54 | 74 | GA.43A | BA.46A | 108 | 66 | 1,480 |



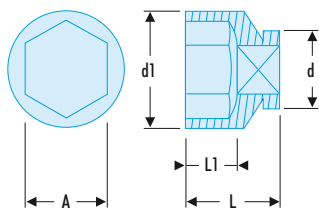
■ NM.ELA - 1" drive extra-long reach metric 6-point impact sockets



- For your safety, use impact extensions and accessories with the appropriate rings and pins.

| ☞ | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [kg] |
|-----------------|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| NM.30ELA | 30 | 6 | 54 | 50 | GA.43A | BA.46A | 270 | 30 | 2,50 |
| NM.32ELA | 32 | 6 | 54 | 52 | GA.43A | BA.46A | 270 | 32 | 2,56 |
| NM.33ELA | 33 | 6 | 54 | 53 | GA.43A | BA.46A | 270 | 32 | 2,56 |

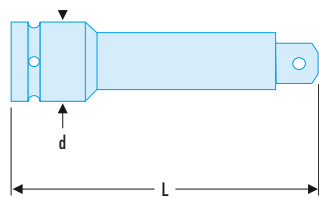
■ Special "Trailer" 1" drive metric impact sockets



- For your safety, use impact extensions and accessories with the appropriate rings and pins.
- For 77 mm 6-point trailer hub nut.

| ☞ | A [mm] | d [mm] | d1 [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|---------------|--------|--------|---------|--------|---------|---------|
| M.77TR | 77 | 54 | 106 | 81 | 35 | 1,96 |

■ NM.A - 1" drive impact extensions



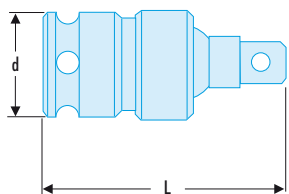
ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.

| ☞ | d [mm] | GA | BA | L [mm] | ΔΔ [kg] |
|----------------|--------|--------|--------|--------|---------|
| NM.209A | 54 | GA.43A | BA.46A | 125 | 1,20 |
| NM.210A | 54 | GA.43A | BA.46A | 200 | 1,60 |
| NM.215A | 54 | GA.43A | BA.46A | 330 | 2,50 |



1" drive impact universal joint

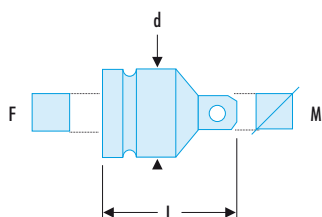


ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.

| | d [mm] | GA | BA | L [mm] | ΔΔ [kg] |
|----------------|--------|--------|--------|--------|---------|
| NM.240A | 54 | GA.43A | BA.46A | 110 | 2,00 |

NM.A - 1" to 3/4" impact couplers



ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.

| | Square ["] | d [mm] | GA | BA | L [mm] | ΔΔ [kg] |
|----------------|-------------------|--------|-------|-------|--------|---------|
| NM.230A | F = 1" - M = 3/4" | 54 | GA.38 | BA.36 | 75 | 0,540 |
| NM.231A | F = 1" - M = 1/2" | 51 | GA.38 | BA.36 | 154 | 1,040 |

1" to 1/2" impact coupler



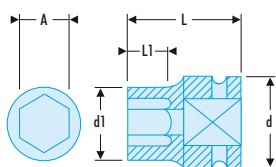
ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.

| | GA | BA | ΔΔ [kg] |
|----------------|--------|--------|---------|
| NM.232A | GA.43A | BA.46A | 1,50 |

Impact sockets 1" 1/2 and accessories

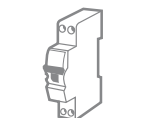
NG.A - 1 1/2" drive metric 6-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

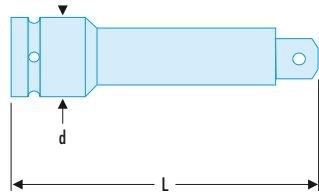
- For your safety, use impact sockets and accessories with the appropriate rings and pins.

| | A [mm] | ⌀ [mm] | d [mm] | d1 [mm] | GA | BA | L [mm] | L1 [mm] | ΔΔ [kg] |
|----------------|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| NG.55A | 55 | 6 | 86 | 87 | GA.75A | BA.75A | 90 | 38 | 2,520 |
| NG.60A | 60 | 6 | 86 | 94 | GA.75A | BA.75A | 92 | 38 | 2,870 |
| NG.65A | 65 | 6 | 86 | 100 | GA.75A | BA.75A | 95 | 40 | 3,180 |
| NG.70A | 70 | 6 | 86 | 106 | GA.75A | BA.75A | 100 | 43 | 3,750 |
| NG.75A | 75 | 6 | 86 | 112 | GA.75A | BA.75A | 103 | 45 | 3,930 |
| NG.80A | 80 | 6 | 86 | 119 | GA.75A | BA.75A | 110 | 51 | 4,610 |
| NG.85A | 85 | 6 | 86 | 125 | GA.75A | BA.75A | 118 | 52 | 5,380 |
| NG.90A | 90 | 6 | 86 | 131 | GA.75A | BA.75A | 118 | 52 | 5,650 |
| NG.95A | 95 | 6 | 95 | 137 | GA.84A | BA.85A | 118 | 52 | 6,590 |
| NG.100A | 100 | 6 | 95 | 144 | GA.84A | BA.85A | 125 | 59 | 7,420 |
| NG.105A | 105 | 6 | 95 | 150 | GA.84A | BA.85A | 125 | 59 | 7,830 |
| NG.110A | 110 | 6 | 95 | 156 | GA.84A | BA.85A | 125 | 59 | 8,600 |
| NG.115A | 115 | 6 | 95 | 162 | GA.84A | BA.85A | 135 | 67 | 9,730 |
| NG.120A | 120 | 6 | 95 | 169 | GA.84A | BA.85A | 135 | 67 | 9,480 |



"Impact" range

NG.A - 1 1/2" drive impact extensions

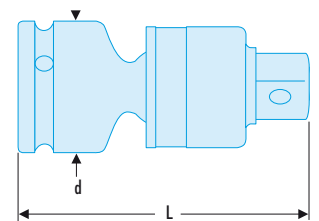


ASME B107.2

• For your safety, use impact extensions and accessories with the appropriate rings and pins.

| ➤ | d [mm] | GA | BA | L [mm] | ΔΔ [kg] |
|----------------|--------|--------|--------|--------|---------|
| NG.210A | 86 | GA.75A | BA.75A | 250 | 5,60 |
| NG.215A | 86 | GA.75A | BA.75A | 330 | 6,80 |

1 1/2" impact universal joint

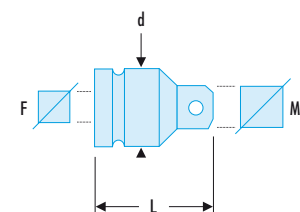


ASME B107.2

• For your safety, use impact universal joints with the appropriate rings and pins.

| ➤ | d [mm] | GA | BA | L [mm] | ΔΔ [kg] |
|----------------|--------|--------|--------|--------|---------|
| NG.240A | 86 | GA.75A | BA.75A | 181 | 4,20 |

1 1/2" to 2 1/2" impact coupler

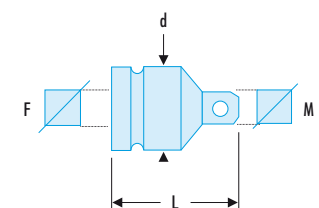


ASME B107.2

• For your safety, use impact universal joints with the appropriate rings and pins.

| ➤ | Square ["] | d [mm] | GA | BA | L [mm] | ΔΔ [kg] |
|----------------|-----------------------|--------|--------|--------|--------|---------|
| NG.232A | F = 1 1/2 - M = 2 1/2 | 86 | GA.75A | BA.75A | 120 | 3,90 |

1 1/2" to 1" impact coupler

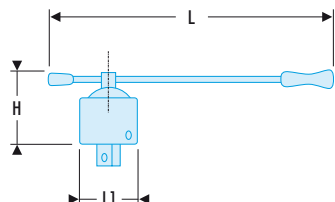


ASME B107.2

• For your safety, use impact universal joints with the appropriate rings and pins.

| ➤ | Square ["] | d [mm] | GA | BA | L [mm] | ΔΔ [kg] |
|----------------|--------------------|--------|--------|--------|--------|---------|
| NG.230A | F = 1 1/2 - M = 1" | 80 | GA.75A | BA.75A | 98 | 2,166 |

3/4" drive Dynapact manual impact wrench



- Stored energy frees or secures very tight fasteners.
- Handle rotation through 60° (approx.) releases torque.
- 10 impacts on 21 mm A/F equate to 1000 N.m.

- Dynapact handle: NK.300M.

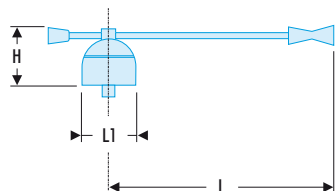
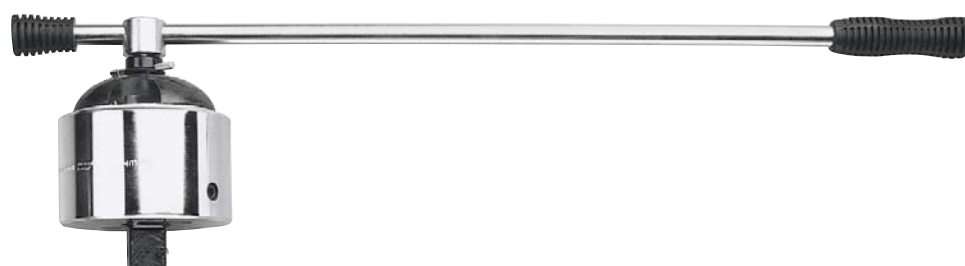
| Model | H [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|---------------|--------|--------|---------|---------|
| NK.300 | 105 | 470 | 96 | 4,00 |

NK.301AE 3/4" drive Dynapact manual impact wrench set



- Comprising:
 - Wrench NK.300 and 16 tools with locking rings and pins.
 - Sockets: NK.19A - NK.21A - NK.22A - NK.23 A - NK.24A - NK.26A - NK.27A - NK.29A - NK.30A - NK.32A - NK.34A - NK.36A - NK.38A - NK.41A - NK.42A.
 - Extension: NK.210A.
 - Metal case BT.103G, dim. (L. x D. x H.): 643 x 224 x 111 mm.
 - Tray PL.84A.
- Weight: 16.70 kg.

1" drive Dynapact manual impact wrench



- Stored energy frees or secures very tight fasteners.
- Handle rotation through 60° (approx.) releases torque.
- 10 impacts on 21 mm A/F equate to 2000 N.m.

- Dynapact handle: NM.300M.

| Model | H [mm] | L [mm] | L1 [mm] | ΔΔ [kg] |
|---------------|--------|--------|---------|---------|
| NM.300 | 140 | 595 | 125 | 10,80 |

