



# RATCHETS - SOCKETS



**RADIO 1/4" RANGE**

**271**

- Sets 1/4" 271
- Ratchets 1/4" 282
- Accessories 1/4" 285
- Sockets 1/4" 290
- Long reach sockets 291
- Sockets 1/4" Torx® 293
- 1/4" drive sockets with removable bits 294



**TRUCK 3/4" RANGE**

**337**

- Sets 3/4" 337
- Ratchets 3/4" 341
- Accessories 3/4" 343
- Sockets 3/4" 345



**JUNIOR 3/8" RANGE**

**295**

- Sets 3/8" 295
- Ratchets 3/8" 302
- Accessories 3/8" 304
- Sockets 3/8" 308
- Torx® sockets 3/8" 311
- Screwdriver sockets 3/8" 311



**MAMMOTH 1" RANGE**

**346**

- Sockets 3/4" 346
- Ratchets and accessories 1" 347
- 1" Sockets 348
- 1" metric socket sets 349



**STANDARD 1/2" RANGE**

**312**

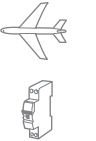
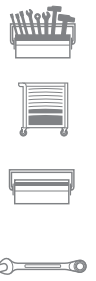
- Sets 1/2" 312
- Ratchets 1/2" 326
- Accessories 1/2" 328
- Sockets 1/2" 332
- Torx® sockets 1/2" 334
- Screwdriver sockets 1/2" 334



**IMPACT RANGE**

**350**

- Impact sockets 3/8" 350
- Impact sockets 1/2" and accessories 352
- Impact sockets 3/4" and accessories 357
- Impact sockets 1" and accessories 361
- Impact sockets 1" 1/2 and accessories 363



## 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.
  - Orange: live, manual use
  - Black: use with impact or power tools.
  - Bronze/Copper: use in explosive atmosphere.

COLOUR OF THE SOCKET OR ACCESSORY	USE	DIMENSIONS	SQUARE DRIVE	p.
Chromed 	Light engineering	3.2 to 14 mm 3/16" to 9/16"	Radio range 1/4"	289
	Electronics			
	Electromechanical			
	Cycles			
Chromed 	Mechanical engineering	7 to 24 mm	Junior range 3/8"	307
	Automotive engineering	1/4" to 1"	Standard range 1/2"	332
	Motorcycles	8 to 34 mm 1/4" to 1"		
Chromed 	Mechanical engineering	19 to 55 mm	Truck range 3/4"	345
	Heavy goods vehicles	3/4" to 2"1/4"		
	Civil engineering plant	41 to 100 mm 1"13/16 to 3"3/8	Mammoth range 1"	346
	Farming equipment			
Black 	For all your power-assisted torquing applications	6 to 120 mm	Impact range 3/8", 1/2", 3/4", 1", 1"1/2"	351
		3/8" to 1"5/8"		
Orange 	For all live working applications	Sockets 6 to 12 mm	Radio 1/4"	963
		Sockets 9 to 19 mm	Junior 3/8"	
		Sockets 8 to 22 mm	Standard 1/2"	
Copper-Beryllium 	For all work in explosive atmosphere	See = ADF range		748

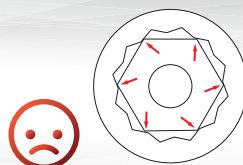
## FACOM OGV® PROFILE

### Higher power without damaging fasteners!

#### The OGV Profile allows:

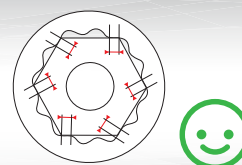
- More powerful fastening: increased socket/nut contact surface.
- Less nut wear: the nut is driven on the faces, not the angles.
- Safer: reduced risk of slipping on rounded nuts.

#### Standard profile













Stress applies to the edges

#### OGV® profile



Bears against the side faces

CHOOSE YOUR RATCHET

USE	OFFER	OTHER BENEFITS	
Universal	 <p><b>161B - "Compact sealed" ratchets</b> Socket with original high performance FACOM mechanism. New patented high resistance finger manufactured in MIM technology. Sealing gasket. Round head. Reversing by cap. 72-teeth mechanism, 5° increments.</p>	IP51 certified sealing Attachment hole	1/4" : <b>R.161B</b> 3/8" : <b>J.161B</b> 1/2" : <b>S.161B</b>
	 <p><b>161 - "Sealed" ratchets</b> Ratchet with FACOM high quality mechanism. Sealing gasket. 'Meter' ratchet. Lever reversing. 72 teeth. 5° increments.</p>	Attachment hole	1/4" : <b>RL.161</b> 3/8" : <b>JL.161</b> 1/2" : <b>SL.161</b> 3/4" : <b>KL.161</b>
	 <p><b>151B - "Original" ratchets</b> Ratchet with the original FACOM mechanism. Round head. Reversing by cap. 72-teeth mechanism, 5° increments.</p>	Attachment hole	1/4" : <b>R.151B</b> 3/8" : <b>J.151B</b> 1/2" : <b>S.151B</b> 3/4" : <b>K.154B</b> 1" : <b>M.151</b>
Fast & productive	 <p><b>360 - Ratchet with rotating handle</b> Approach phase by turning the handle = twice as fast. Ideal in confined spaces. Round head. Reversing by cap. 60-teeth mechanism, 6° increments.</p>	Socket locking	1/4" : <b>R.360</b> 3/8" : <b>J.360</b> 1/2" : <b>S.360</b>
Locking sockets and accessories	 <p><b>171 - Locking ratchets</b> Sockets and accessories secured to avoid any risk of fall particularly in congested zones. "Meter" ratchet. Lever reversing. 72-teeth mechanism, 5° increments.</p>	Socket locking Attachment hole	1/4" : <b>RL.171</b> 3/8" : <b>JL.171</b> 1/2" : <b>SL.171</b>
Power / Accessibility	 <p><b>SXL - Ratchets with extending / long handle - Jointed head</b> Extending handle: standard use / easy storage in closed position or more torque or maximum accessibility in extended position. 'Meter' ratchet. Lever reversing. 72-teeth mechanism, 5° increments.</p>	Socket locking Attachment hole	3/8" : <b>JXL.171</b> 1/2" : <b>SXL.161</b> <b>SXL.171</b> <b>S.154</b>
Accessibility	 <p><b>Ultra-compact ratchet for bits and sockets</b> Design halving size versus a Classic ratchet.</p>	Allows for 1/4" sockets to be used with ECR.1 adapter	1/4" : <b>R.PE</b> <b>R.180</b> <b>R.180HX</b>
	 <p><b>Ratchet without handle</b> For a manual approach with/without extension in confined spaces.</p>		1/4" : <b>R.150A</b>
Others	 <p><b>Offset ratchet</b> For use with a T handle or hinged handle.</p>		3/8" : <b>J.156</b> 1/2" : <b>S.156</b>



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**THE SEALED "PERFORMANCE" SOCKET R-J-S.161B**



**Good stress resistance**

- Joint airtightness mechanism: sealed to industrial dust. IP51 certified.
- "Finger" (part moving in the mechanism) patented for maximum contact with the teeth. The finger is made using the MIM (Metal Injection Molding) technology, guaranteeing high manufacturing precision and optimum strength.
- Ratchet tested under extreme constraints.



**Compact head – Reversing cap**

- 1/2" ratchet: reduced head height: <39 mm
- Reversing/rotating cap: easy and fast reversing.
- Shock and impact-resistant metal reverser.



**Accurate**

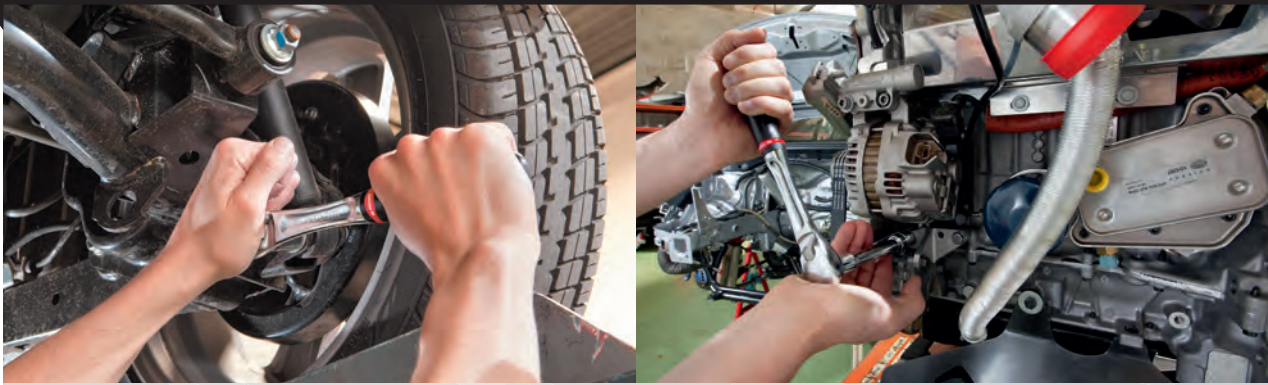
- 72 tooth mechanism for 5° increments.

**Comfortable - Ergonomic**

- Ultra-light 1/2" ratchet: 410 g, the lightest in its category.
- Centre of gravity moved towards the head for easier increment movements.
- Bi-material ergonomic handle resistant to the most aggressive workshop solvents.

	Square drive
<b>R.161B</b>	1/4"
<b>J.161B</b>	3/8"
<b>S.161B</b>	1/2"

THE "ALL-PURPOSE" SEALED RATCHET RL-JL-SL.161



**Resistant to the work environment**

- Double joint airtightness mechanism: sealed to industrial dust.
- Ratchet tested in aggressive, dirty and dusty environment.



**Compact head - Reversing lever**

- Reversing lever: easy reversing even with gloved hands. Visible rotation direction.
- Reverser embedded in ratchet body for optimum protection. Prevents untimely reversing.



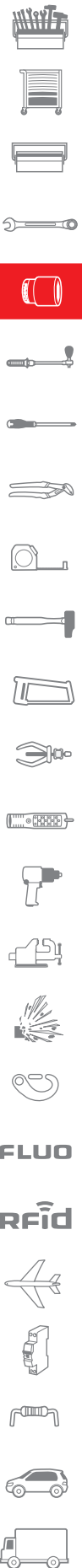
**Accurate**

- 72 tooth mechanism for 5° increments.

**Comfortable - Ergonomic**

- 1/2" light ratchet (450 g. 20% lighter than a standard ratchet).
- Centre of gravity moved towards the head for easier increment movements.
- Bi-material ergonomic handle resistant to the most aggressive workshop solvents.

	Square drive
<b>RL.161</b>	1/4"
<b>JL.161</b>	3/8"
<b>SL.161</b>	1/2"



**THE FAST RATCHET WITH ROTATING HANDLE R-J-S.360**



**Works 2 times faster with the rotating handle**

- Rotating handle allowing an approach 2 times faster than a standard ratchet. No time wasted in to-and-fro movement.
- Gain time, especially in confined zones.

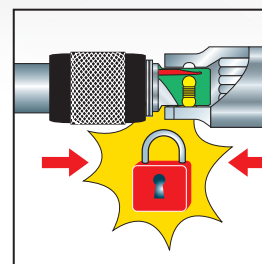
**Accurate**

- 0° increments (no movement of the ratchet body) in approach phase by turning the handle.
- 60 tooth mechanism for 6° increments in standard use.



**Reversing cap - "Palm control" switch**

- Reversing by rotating cap: easy and fast reversing.
- The 'Palm control' switch allows pressing the ratchet head for powerful (un)tightening while limiting the risk of untimely reversing.



**Safe - Comfortable - Ergonomic**

- Socket locking.
- No need to maintain the socket during the approach phase on loose nuts = just place the socket on the nut and turn the handle.
- Bi-material ergonomic handle resistant to the most aggressive workshop solvents.

	Square drive
<b>R.360</b>	1/4"
<b>J.360</b>	3/8"
<b>S.360</b>	1/2"



**ULTRA-COMPACT RATCHETS AND "HX - HEXAGONAL" SOCKETS R.PE, R.180 FOR BITS AND SOCKETS**

**Ratchets developed for the best compactness / strength combination**

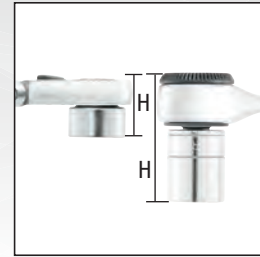
- The bits are fitted directly in the ratchet mechanism (R. PE and R.180) halving the height!
  - Sockets series HX allow:
    - classical drive with the 1/4" square with a ratchet or accessories
    - drive by outside the socket with the 11 mm hexagon with the ratchet R.180HX.
- Sockets series HX are fitted directly in the mechanism of the R.180HX ratchet, halving its height!



**For traditional**  
**R.PE** ratchet bits  
**R.180** with flexible head.  
 Height: -52%, Ø: - 35%.



**Flexible head**  
**R.180** for bits  
**R.180HX** for sockets series HX.



**For HX sockets**  
**R.180HX** with flexible head.  
 Height: -50%.



**Hexagonal sockets series HX**  
 Direct drive by the open end or ring on a combination wrench.

**Our compact and practical solutions in cases**



R.PE + bits  
**R.PEJ31**



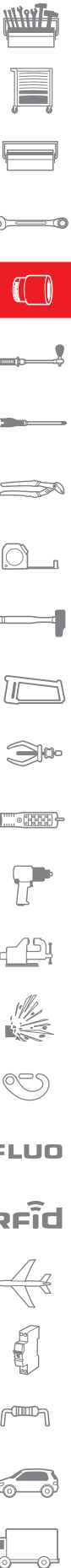
R.180 + bits  
**R.180J31**



R.180 + sockets/bits  
**R1PICO**



R.180HX + HX sockets  
**RXPICO**



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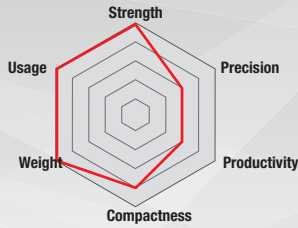


# FACOM'S SOCKETS RANGE

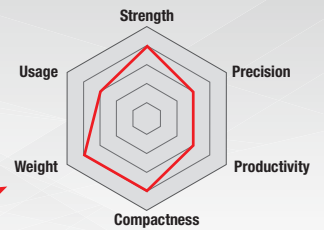
## A solution for each situation!



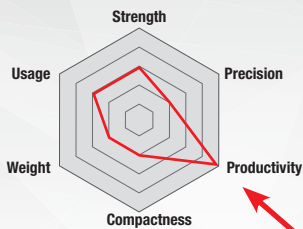
**161B**  
**Effective**



**151B**  
**Original**



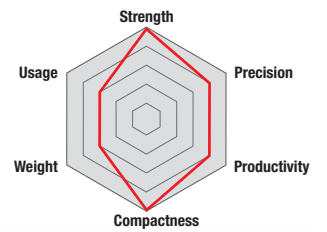
**360**  
**Fast**



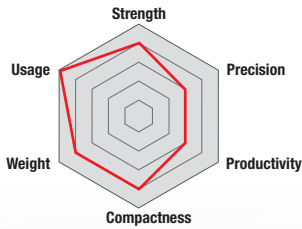
### Solutions for you!



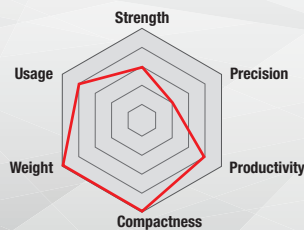
**SXL**  
**Versatile**



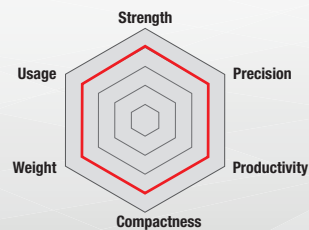
**L.161**  
**All terrain**



**R.PE-R.180-HX**  
**Ultra-compact**



**L.171**  
**Safe**



THE NANO AND DBOX BOX CONCEPT

**Ultra-complete: 100% screwing-tightening**

- Up to 38 tools, 1/4" drive, metric or inch sizes, 6- or 12-point sockets: sealed or fast ratchet



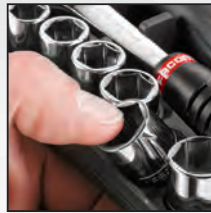
**Ultra-compact**

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

**Ultra-handy Easy tool grip**



- Bits rise upon opening.



- Socket picking by tilting.



- Auto-closing clasp.

**Reinforced safety**

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

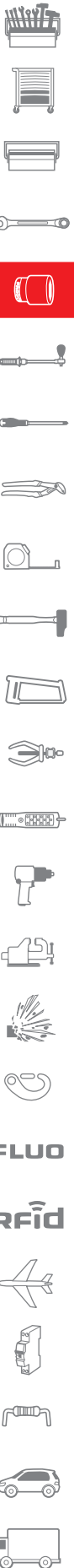


**Easy to store**

- Storage in all roller cabinet drawers (width of a 1/3 module).
- Holds vertically.
- Does not slide, even on a smooth surface.

**Handy and strong**

- Easy to carry with the extension used as a handle.
- The sockets stay in place even when set is tipped over.
- Bi-material housing, metal clasps and hinge pins.



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"NEW GENERATION" BOX

**FACOM reinvents the box**



**Automatic closing**



**Customisable**

- A dedicated space is available to stick a colour pellet or write information.

**Anti-slipping**

- On smooth les thanks to the pads in soft polypropylene.

**Opening at 180°**

- The box opens flat at 180°.

**Stackable**

- For easy storage.

**100% compatible**

- Modules compatible with the new Mbox and roller cabinet drawers.



SETS OF 1/4" METRIC NANO SOCKETS

25  
PIECES



6	12	3, 2	4	5	5,5	6	7	8	9	10	11	12	13	14
+			PH1 PH2 PH3			+			PZ1 PZ2 PZ3			ECR		
-			ES 4,5 ES 6,5 ES 8			○			EH3 EH4 EH5 EH6 EH7					
♻️			EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40 ECR											
🔧			🔧			55 mm			100 mm					
🔌			🔌			🔌								

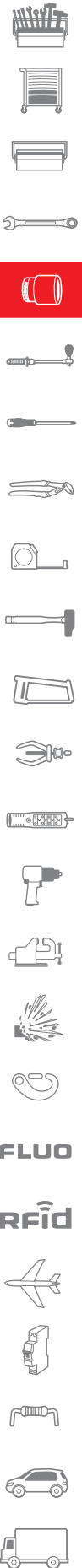
🔧	🔧	12	🔌	📏	ΔΔ [kg]	
<b>RL.NANO112</b>	RL.161 12 BV.NANO1		12	BV.NANO-U	152 x 48 x 92 mm	0.655

38  
PIECES



6	12	3, 2	4	5	5,5	6	7	8	9	10	11	12	13	14
+			PH1 PH2 PH3			+			PZ1 PZ2 PZ3			ECR		
-			ES 4,5 ES 6,5 ES 8			○			EH3 EH4 EH5 EH6 EH7					
♻️			EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40											
🔧			🔧			55 mm			100 mm					
🔌			🔌			🔌								

🔧	🔧	6	🔌	📏	ΔΔ [kg]	
<b>R2NANO</b>	R.161B BV.NANO		6	BV.NANO	152 x 48 x 92 mm	0.710
<b>RL.NANO1</b>	RL.161 BV.NANO		6	BV.NANO	152 x 48 x 92 mm	0.710
<b>R.360NANO</b>	RL.360 BV.NANO		6	BV.NANO	152 x 48 x 92 mm	0.710



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SETS OF 1/4" INCH NANO SOCKETS

28  
PIECES



6 12 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2 9/16

PH1 PH2 PH3 PZ1 PZ2 PZ3 ECR

ES 4,5 ES 6,5 ES 8 EH1/8 EH5/32 EH3/16 EH7/32 EH1/4

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Icon	Key	12	Icon	Icon	ΔΔ [kg]
RL.NANO-U112	RL.161	12	BV.NANO-U	152 x 48 x 92 mm	0.655
R.360NANO-U112	R.360	12	BV.NANO-U	152 x 48 x 92 mm	0.715

38  
PIECES



6 12 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2 9/16

PH1 PH2 PH3 PZ1 PZ2 PZ3 ECR

ES 4,5 ES 6,5 ES 8 EH1/8 EH5/32 EH3/16 EH7/32 EH1/4

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Icon	Key	6 12	Icon	Icon	ΔΔ [kg]
RL.NANO-U1	RL.161	6	BV.RNANO-U	152 x 48 x 92 mm	0.710
RL.NANO-U2	RL.161	12	BV.RNANO-U	152 x 48 x 92 mm	0.710
R.360NANO-U1	R.360	6	BV.RNANO-U	152 x 48 x 92 mm	0.770

SETS OF 1/4" METRIC MBOX SOCKETS

12  
PIECES



6	12	3, 2	4	5	5,5	6	7	8	9	10	11	12	13	14
+			PH1 PH2 PH3			+			PZ1 PZ2 PZ3					
-			ES 4,5 ES 6,5 ES 8			○			EH3 EH4 EH5 EH6 EH7					
⊕			EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40											
⚙			55 mm			100 mm								
⚙			⚙			⚙								

Model	Accessories	Quantity	Material	Code	Dimensions	Weight
R.151-1P6	R.151B	6	BP.MBOXS	PL.S09	210 x 139 x 59 mm	0.615
RL.161-1P6	R.161B	6	BP.MBOXS	PL.S09	210 x 139 x 59 mm	0.620

15  
PIECES



6	12	3, 2	4	5	5,5	6	7	8	9	10	11	12	13	14
+			PH1 PH2 PH3			+			PZ1 PZ2 PZ3					
-			ES 4,5 ES 6,5 ES 8			○			EH3 EH4 EH5 EH6 EH7					
⊕			EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40											
⚙			55 mm			100 mm								
⚙			⚙			⚙								

Model	Accessories	Quantity	Material	Code	Dimensions	Weight
R.161-2P6	R.161B	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	0.665
RL.161-2P6	RL.161	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	0.665
RL.171-2P6	RL.171	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	0.675
R.360-2P6	R.360	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	0.725

19  
PIECES



6	12	3, 2	4	5	5,5	6	7	8	9	10	11	12	13	14
+			PH1 PH2 PH3			+			PZ1 PZ2 PZ3					
-			ES 4,5 ES 6,5 ES 8			○			EH3 EH4 EH5 EH6 EH7					
⊕			EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40											
⚙			55 mm			100 mm								
⚙			⚙			⚙								

Model	Accessories	Quantity	Material	Code	Dimensions	Weight
R.161-3P6	R.161B	6	BP.MBOXS	PL.S11	210 x 139 x 59 mm	0.735
RL.161-3P6	RL.161	6	BP.MBOXS	PL.S11	210 x 139 x 59 mm	0.665



SETS OF 1/4" METRIC MBOX SOCKETS



21  
PIECES



6 12 3,2 4 5 5,5 6 7 8 9 10 11 12 13 14

PH1 PH2 PH3 PZ1 PZ2 PZ3

ES 4,5 ES 6,5 ES 8 EH3 EH4 EH5 EH6 EH7

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Model	Part No.	Quantity	Material	Case	Dimensions	Weight
R.161-4P6	R.161B	6	BP.MBOXS	PL.S13	210 x 139 x 59 mm	0.670
RL.161-4P6	RL.161	6	BP.MBOXS	PL.S13	210 x 139 x 59 mm	0.670
RL.171-4P6	RL.171	6	BP.MBOXS	PL.S13	210 x 139 x 59 mm	0.680
R.360-4P6	R.360	6	BP.MBOXS	PL.S13	210 x 139 x 59 mm	0.730



31  
PIECES



6 12 3,2 4 5 5,5 6 7 8 9 10 11 12 13 14

PH1 PH2 PH3 PZ1 PZ2 PZ3

ES 4,5 ES 6,5 ES 8 EH3 EH4 EH5 EH6 EH7

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Model	Part No.	Quantity	Material	Case	Dimensions	Weight
R.161-5P6	R.161B	6	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.810
R.161-5P12	R.161B	12	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.810
RL.161-5P6	RL.161	6	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.810
RL.161-5P12	RL.161	12	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.810



37  
PIECES



6 12 3,2 4 5 5,5 6 7 8 9 10 11 12 13 14

PH1 PH2 PH3 PZ1 PZ2 PZ3

ES 4,5 ES 6,5 ES 8 EH3 EH4 EH5 EH6 EH7

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Model	Part No.	Quantity	Material	Case	Dimensions	Weight
R.161-6P6	R.161B	6	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.805
R.161-6M6	R.161B	6	BP.MBOXS	PM.R161-6	210 x 139 x 59 mm	0.790
RL.161-6P6	RL.161	6	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.805

SETS OF 1/4" INCH MBOX SOCKETS

15  
PIECES



6 12 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2 9/16

PH1 PH2 PH3 PZ1 PZ2 PZ3

ES 4,5 ES 6,5 ES 8 EH1/8 EH5/32 EH3/16 EH7/32 EH1/4

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Model	Accessories	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	ΔΔ [kg]
R.161-1P6U	R.161B	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	0.700
RL.161-1P6U	RL.161	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	0.700
RL.171-1P6U	RL.171	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	0.710
R.360-1P6U	R.360	6	BP.MBOXS	PL.S10	210 x 139 x 59 mm	0.710

17  
PIECES



6 12 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2 9/16

PH1 PH2 PH3 PZ1 PZ2 PZ3

ES 4,5 ES 6,5 ES 8 EH1/8 EH5/32 EH3/16 EH7/32 EH1/4

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Model	Accessories	6	BP.MBOXS	PL.S12	210 x 139 x 59 mm	ΔΔ [kg]
R.161-2P6U	R.161B	6	BP.MBOXS	PL.S12	210 x 139 x 59 mm	0.740
RL.161-2P6	RL.161	6	BP.MBOXS	PL.S12	210 x 139 x 59 mm	0.740

21  
PIECES



6 12 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2 9/16

PH1 PH2 PH3 PZ1 PZ2 PZ3

ES 4,5 ES 6,5 ES 8 EH1/8 EH5/32 EH3/16 EH7/32 EH1/4

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Model	Accessories	6	BP.MBOXS	PL.S13	210 x 139 x 59 mm	ΔΔ [kg]
R.161-3P6U	R.161B	6	BP.MBOXS	PL.S13	210 x 139 x 59 mm	0.680
RL.161-3P6U	RL.161	6	BP.MBOXS	PL.S13	210 x 139 x 59 mm	0.680





SETS OF 1/4" INCH MBOX SOCKETS



31  
PIECES



6 12 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2 9/16

PH1 PH2 PH3 PZ1 PZ2 PZ3

ES 4,5 ES 6,5 ES 8 EH1/8 EH5/32 EH3/16 EH7/32 EH1/4

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Icon	Part	Qty	Weight	Accessories	Dimensions	Weight
R.161-4P6U	R.161B	6	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.820
R.161-4P12U	R.161B	12	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.820
RB.161-4P12U	R.161B	12	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.810
RL.161-4P6U	RL.161	6	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.820
RL.161-4P12U	RL.171	12	BP.MBOXS	PL.S14	210 x 139 x 59 mm	0.820



37  
PIECES



6 12 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2 9/16

PH1 PH2 PH3 PZ1 PZ2 PZ3

ES 4,5 ES 6,5 ES 8 EH1/8 EH5/32 EH3/16 EH7/32 EH1/4

EXR10 EXR15 EXR20 EXR25 EXR27 EXR30 EXR40

55 mm 100 mm

Icon	Part	Qty	Weight	Accessories	Dimensions	Weight
R.161-5P6U	R.161B	6	BP.MBOXS	PL.S15	210 x 139 x 59 mm	0.820
RL.161-5P6U	RL.161	6	BP.MBOXS	PL.S15	210 x 139 x 59 mm	0.820

36-piece 1/4" inch 6-point socket module - R.161B



36  
PIECES



- Compatible with the FACOM modular storage system:
- Suited to CHRONO XL, CHRONO+, JET XL, JET+ roller cabinets and MBOX.L box.

Icon	Part	Weight
MOD.R161-1U		0.975

SETS OF 1/4" METRIC AND INCH MBOX SOCKETS

1/4"		R.420AMU	R.430BP	R.440AEP	R.440AUP	R.2BL	R.450BP	
Socket	mm / inch	R.161B mm + inch Standard	R.161B mm Standard	R.161B mm Standard	R.161B Inch Standard	R.161B mm Std + long	R.161B Inch Std + long	
	3,2	•	•	•	•	•	•	
	4	•	•	•	•	•	•	
	5	•	•	•	•	•	•	
	5,5	•	•	•	•	•	•	
	6	•	•	•	•	•	•	
	7	•	•	•	•	•	•	
	8	•	•	•	•	•	•	
	9	•	•	•	•	•	•	
	10	•	•	•	•	•	•	
	11	•	•	•	•	•	•	
	12	•	•	•	•	•	•	
	13	•	•	•	•	•	•	
	14	•	•	•	•	•	•	
		3,2						
4								
5					•			
5,5					•			
6					•			
7					•			
8					•			
9					•			
10					•			
11					•			
12					•			
13					•			
14					•			
		EP					•	
	+					•		
	3					•		
		EH						•
		3						•
		4						•
		mm						•
		6						•
	ED					•	•	
	+					•	•	
	3					•	•	
	ES					•	•	
	4,5					•	•	
	5,5					•	•	
	6,5					•	•	
	EXR					•	•	
	+					•	•	
	10					•	•	
	15					•	•	
	20					•	•	
	25					•	•	
	22		•					
	3,2 x 5,5		•					
	4 x 5		•					
	6 x 7		•					
	8 x 9		•					
	10 x 11		•					
	12 x 13		•					
	R.209	•		•	•	•	•	
	R.210	•		•	•	•	•	
	R.215	•		•	•	•	•	
	R.240A	•		•	•	•	•	
	R.235					•	•	
	R.245					•	•	
	R.236A	•		•	•	•	• x 12	
	R.120A			•	•	•	•	
	R.110			•	•	•	•	
	R.140A			•	•	•	•	
	R.216			•	•	•	•	
	R.227A			•	•	•	•	
	181A.18G			•	•	•	•	
	AN2.5X75		•					
AN3.5X75			•					
		PL.S16 BP.MBOXS 210 x 139 x 59 0,840 Kg	PL.M22 BP.MBOXM 329 x 215 x 59 1,460 Kg	PL.L14 BP.MBOXL 434 x 270 x 70 mm 2,355 Kg	PL.L14 BP.MBOXL 434 x 270 x 70 mm 2,350 Kg	PL.M23 BP.MBOXM 329 x 215 x 59 1,635 Kg	PL.L15 BP.MBOXL 434 x 270 x 70 2,880 Kg	

R.420AMU



R.430BP



R.440AEP



R.440AUP














R.2BL



R.450BP



SETS OF 1/4" AND 1/2" METRIC MBOX SOCKETS

 1/4" 1/2"		RSX.427AP	RS.161-1	RS.360-1	RS.161-2
Socket	mm	R.161B S.161B Torx Torx Standard	R.161B S.161B 1/4" Standard 1/2"	R.360 S.161B 1/4" Standard 1/2"	R.161B S.161B 1/4" Standard 1/2"
	5,5		•	•	•
	6		•	•	•
	7		•	•	•
	8		•	•	•
	9		•	•	•
	10		•	•	•
	11		•	•	•
	12		•	•	•
	13		•	•	•
	14		•	•	•
	15		•	•	•
	16		•	•	•
	17		•	•	•
	18		•	•	•
	19		•	•	•
	21		•	•	•
	22		•	•	•
	24		•	•	•
	27		•	•	•
	30		•	•	•
	32		•	•	•
	E4	•			
	E5	•			
	E6	•			
	E7	•			
	E8	•			
	E10	•			
	E12	•			
	E14	•			
	E16	•			
	E18	•			
	E20	•			
	EP				•
	2				•
	3				•
	EH				•
	3				•
	4				•
	5				•
	mm				•
	6				•
	7				•
	ED				•
	2				•
	3				•
	ES				•
	4,5				•
	6,5				•
	8				•
	EX	•			
	T8	•			
	T10	•			
	TT10	•			
	T15	•			
	TT15	•			
	T20	•			
	TT20	•			
	T25	•			
	TT25	•			
	T27	•			
	TT27	•			
	T30	•			
	TT30	•			
	T40	•			
	TT40	•			
	R.209		•	•	•
	R.210		•	•	•
	R.240A		•	•	•
	R.235	•			
	R.236A	•	•	•	•
	AM.H	•			
	S.210		•	•	•
	S.240A		•	•	•
	PL.M24		PL.M25		PL.L16
	BP.MBOXM		BP.MBOXM		BP.MBOXL
	329 x 219 x 59 mm		329 x 215 x 59 mm		434 x 270 x 70 mm
	2,100 Kg		2,890 Kg	2,950 Kg	4,020 Kg

RSX.427AP



RS.161-1



RS.360-1



RS.161-2



1/4" METRIC MODULES THERMOFORMED TRAY

Socket		1/4" mm	MOD.R161-16 R.161B Standard	MOD.R161-26 R.161B Standard	MOD.RL161-26 RL.161 Standard	MOD.R161-46 R.161B Standard	MOD.R161-66 R.161B Standard	
		5,5	•	•	•	•	•	
		6	•	•	•	•	•	
		7	•	•	•	•	•	
		8	•	•	•	•	•	
		9	•	•	•	•	•	
		10	•	•	•	•	•	
		11	•	•	•	•	•	
		12	•	•	•	•	•	
		13	•	•	•	•	•	
		14	•	•	•	•	•	
	EP	1				•	•	
		2				•	•	
		3				•	•	
			EH	3		•	•	•
				4		•	•	•
				5		•	•	•
				6		•	•	•
	mm	7		•	•	•		
		7		•	•	•		
	ED	1	•	•	•	•		
		2	•	•	•	•		
		3				•	•	
	ES	4,5		•	•	•		
		6,5		•	•	•		
		8		•	•	•		
	EXR	10	•	•	•	•		
		15	•	•	•	•		
		20	•	•	•	•		
		25	•	•	•	•		
		27	•	•	•	•		
		30	•	•	•	•		
		40	•	•	•	•		
	82H	2		•	•	•		
		2,5		•	•	•		
		3		•	•	•		
		4		•	•	•		
		5		•	•	•		
		6		•	•	•		
		7		•	•	•		
		8		•	•	•		
		9		•	•	•		
		10		•	•	•		
	83SH	1,5				•		
		2				•		
		2,5				•		
		3				•		
		4				•		
		5				•		
		6				•		
		7				•		
8				•				
	89S	10				•		
		15				•		
		20				•		
		25				•		
		27				•		
		30				•		
		40				•		
		45				•		
	R.209		•	•	•	•		
		R.210		•	•	•		
		R.215	•	•	•	•		
		R.240A	•	•	•	•		
		R.120A	•	•	•	•		
		R.236A	•	•	•	•		
		R.235	•	•	•	•		
			PL.L13 420 x 188 mm 1,085 Kg		PL.658 1,280 Kg	PL.S15 188 x 105 mm 0,555 Kg		

MOD.R161-16



MOD.R161-26



MOD.RL161-26











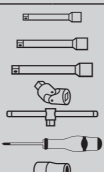
MOD.R161-46



MOD.R161-66



1/4" METRIC MODULES THERMOFORMED TRAY

		MODM.R161-36	MODM.RL161-36	
Socket	1/4" mm	R.161B Standard	RL.161 Standard	
	5,5	•	•	
	6	•	•	
	7	•	•	
	8	•	•	
	9	•	•	
	10	•	•	
	11	•	•	
	12	•	•	
	13	•	•	
	14	•	•	
		1	•	•
		2	•	•
		3	•	•
		3	•	•
4		•	•	
5		•	•	
7		•	•	
	1	•	•	
	2	•	•	
	3	•	•	
	4,5	•	•	
	6,5	•	•	
	8	•	•	
	10	•	•	
	15	•	•	
	20	•	•	
	25	•	•	
	27	•	•	
	30	•	•	
	40	•	•	
	1,5	•	•	
	2	•	•	
	2,5	•	•	
	3	•	•	
	4	•	•	
	5	•	•	
	6	•	•	
	7	•	•	
	8	•	•	
	10	•	•	
	R.209	•	•	
	R.210	•	•	
	R.215	•	•	
	R.240A	•	•	
	R.120A	•	•	
	R.236A	•	•	
	R.235	•	•	

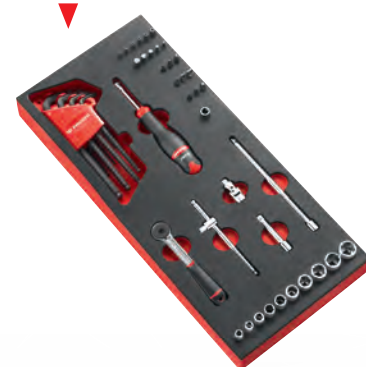


PM.MODR1AN

420 x 188 mm  
1,025 Kg



MODM.R161-36



MODM.RL161-36



RATCHETS 1/4"

Socket set 1/4" 6 point metric with bits - 23 pieces - R.180

Comprises:

- 1 x 1/4" ultra-compact flexible ratchet: R.180.
- 5 x 1/4" metric 6-point sockets: R. 6 - 8 - 10 - 12 - 13 mm.
- 1 x extension: L 100 mm (EF.R180).
- 15 x bits - 1/4" drive bit - 6.35 mm - L 25 mm:
  - EP.1T for Philips® head screws: PH1 - PH2.
  - ED.1T for Pozidriv® head screws: PZ2.
  - ES.1T for slotted head screws: 4.5 - 6.5 - 8 mm.
  - EH.1 for metric 6-point hollow head screws: 3 - 4 - 5 - 6 mm.
  - EXR.1 for vis Resistorx® screws: TT10 - TT15 - TT20 - TT25 - TT30.
- 1 x socket holder bit: ECR.1.
- Empty bi-material case: BV.RPE2.



	$\Delta\Delta$ [g]
R1PICO	375

Socket set 1/4" 6 point metric - 11 pieces - R.180HX

Comprises:

- 1 x ultra-compact flexible head 11 mm drive ratchet for sockets series HX: R.180HX.
- 10 x 1/4" hexagonal metric 6-point sockets: R.HX 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm.
- Empty bi-material case: BV.RXPICO.



	$\Delta\Delta$ [g]
RXPICO	265

Bit set 1/4" - 31 pieces - R.180

Comprises:

- 1 x 1/4" ultra-compact flexible head bit holder ratchet: R.180.
- 1 x extension: L 100 mm (EF.R180).
- 28 x bits - 1/4" drive bit - 6.35 mm - L 25 mm:
  - EP.1T for Philips® head screws: PH1 - PH2 - PH3.
  - ED.1T for Pozidriv® head screws: PZ1 - PZ2 - PZ3.
  - ES.1T for slotted head screws: 4 - 5.5 mm.
  - EH.1 for metric 6-point socket head screws: 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 7 - 8 mm.
  - EX.1 for Torx® screw: T6 - T7 - T8 - T9.
  - EXR.1 for Resistorx® screws: TT10 - TT15 - TT20 - TT25 - TT27 - TT30 - TT40 .
- 1 x socket holder bit: ECR.1.
- Empty bi-material case: BV.RPE1.



	$\Delta\Delta$ [g]
R.180J31	335

Bit set 1/4" - 31 pieces - R.PE

Comprises:

- 1 x 1/4" ultra-compact bit holder ratchet: R.PE.
- 1 x extension: L 100 mm (EF.RPE).
- 28 x bits - 1/4" drive bit - 6.35 mm - L 25 mm:
  - EP.1T for Philips® head screws: PH1 - PH2 - PH3.
  - ED.1T for Pozidriv® head screws: PZ1 - PZ2 - PZ3.
  - ES.1T for slotted head screws: 4 - 5.5 mm.
  - EH.1 for metric 6-point socket head screws: 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 7 - 8 mm.
  - EX.1 for Torx® screw: T6 - T7 - T8 - T9.
  - EXR.1 for Resistorx® screws: TT10 - TT15 - TT20 - TT25 - TT27 - TT30 - TT40 .
- 1 x socket holder bit: ECR.1.
- Empty bi-material case: BV.RPE1.



	$\Delta\Delta$ [g]
R.PEJ31	445



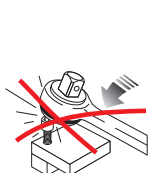
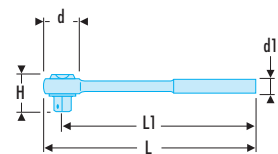
RATCHETS 1/4"

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.



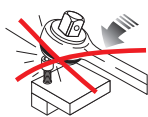
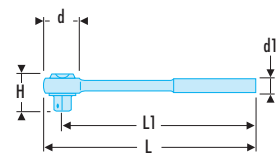
	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>R.360</b>	27	21	29	106	120	145

1/4" maintenance free pear head locking ratchet



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

- Socket locking and quick release system.
- 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.



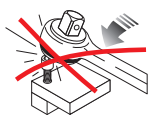
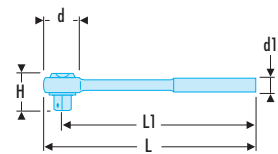
	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>RL.171</b>	22	17,5 / 20	23	121	110	85

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.



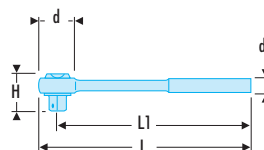
	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>RL.161</b>	22	17,5 / 20	22,5	121	110	80

High performance sealed 1/4" ratchet

- Very long durability regardless of working conditions. Mechanism sealed to industrial dust.
- 72 tooth mechanism for 5° increments.
- Reversing by rotating cap.
- Ultra-compact head.
- Bi-material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Hole in the handle for strapping when working in high places.
- Easy maintenance: spare parts kit R.161B-KIT.



R.161B	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.161B	24,5	17,2 / 19,5	24	121,2	109	80

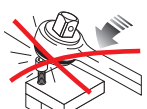
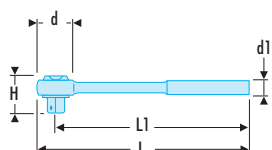


Original 1/4" ratchet

- 72 tooth mechanism for 5° increments.
- Reversing by rotating cap.
- Ultra-compact head.
- Single material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Hole in the handle for strapping when working in high places.
- Easy maintenance: spare parts kit R.151B-KIT.



R.151B	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.151B	24,5	13 / 19,3	24	121,2	109	75

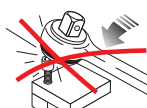
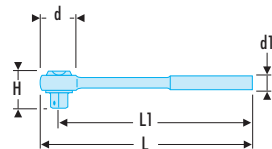


180° flexible head 1/4" compact ratchet

- The compact head allows access to difficult areas when using bits 6-point 1/4".
- Flexible head 180°.
- The button to lock the head in position. 13 locking positions
- 60 teeth mechanism for a recovery to 6°.
- Reversing lever: easy even gloved hand. Allows visualisation of the direction of rotation.
- Use with square sockets 1/4 "through ECR.1 adapter.
- Comes with a through magnetic extension 100 mm for use "T-handle" (EF.R180).  
Weight: pawl 70 g, 40 g extension.



R.180	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.180	18,5	11	12,5	115	107	70



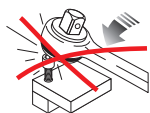
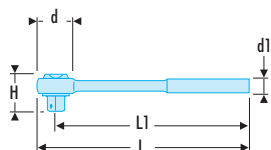


RATCHETS 1/4"

1/4" ultra-compact 180° flexible head ratchet for 1/4" sockets series HX



- Special ratchet for sockets series R.HX. outside socket drive by the 11 mm hexagon. Ratchet / socket set 2 times more compact than a typical ratchet / socket set. Ideal in confined spaces.
- 180° flexible head.
- The button locks the head in position. 13 locking positions.
- 60 tooth mechanism for 6° increments.
- Easy lever reversing even when wearing gloves. Shows the rotation direction
- Satin chrome finish.

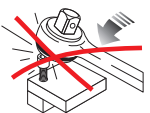
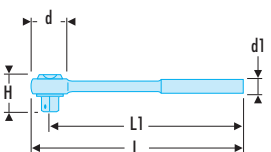


Part No.	d [mm]	d1 [mm]	H [mm]	L [mm]	ΔΔ [g]
R.180HX	22	13,8 / 15,11	7,7	115	70

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.



Part No.	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.PE	18,5	16	26,5	115	107,0	95

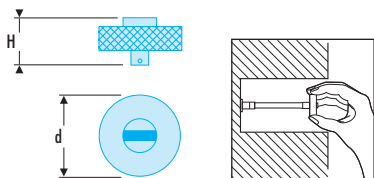
Bit-holder ratchet wrench 1/4" - 5/16"



- 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.

Part No.	L [mm]	ΔΔ [g]
65.PE	150	75

1/4" finger control ratchet



- 72 teeth mechanism for 5° increments.
- Ideal for confined deep recess spaces.

Part No.	d [mm]	H [mm]	ΔΔ [g]
R.150A	38,5	26,5	120

ACCESSORIES 1/4"

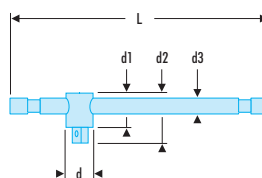
MAINTENANCE OF 1/4" RATCHETS

Kit : 151B			151 style 151B style		161 style 161B style
Kit : 161B			1/4" 6.35 mm		

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.

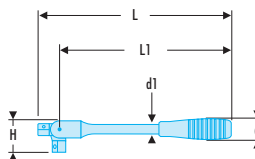


	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
<b>R.120A</b>	12	14	22	7	115	50

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.

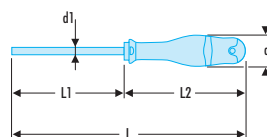


	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>R.140A</b>	19	8	25,5	150	131,5	85

1/4" drive medium 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]	ΔΔ [g]
<b>R.236A</b>	30	8.3	150	50.0	80



ACCESSORIES 1/4"

1/4" drive short spinner

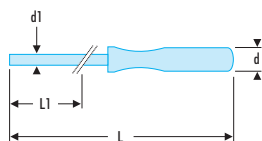


- Ergonomic bi-material grip.
- Short blade for easy storage and confined spaces requiring a very compact tool.
- Use with 1/4" square driver or bits series 1 (1/4" - 6.35 mm) with the bit holder socket R.235.
- Satin chrome finish.



🔧	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>R.236C</b>	30	8,3	130	20	75

1/4" drive standard spinner



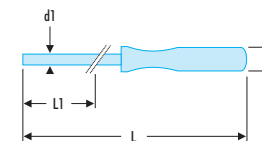
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

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



🔧	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>R.227A</b>	23,5	8	260	160	125

1/4" drive flexible spinner

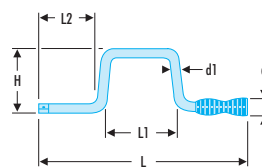
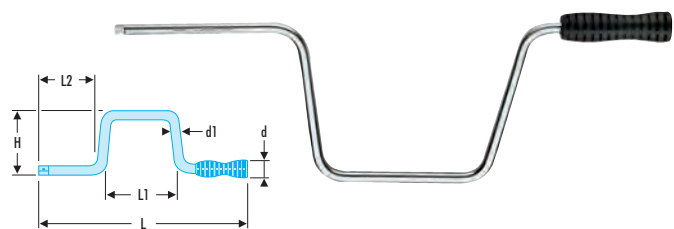


- Ergonomic bi-material grip.
- For fasteners where access is difficult.



🔧	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>R.222B</b>	40	8	275	150	180

1/4" drive speed brace



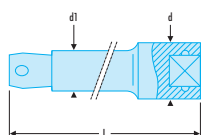
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

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



🔧	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	ΔΔ [g]
<b>R.110</b>	21	8	110	360	130	120	220

1/4" drive extension



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

- Finish: chromed.

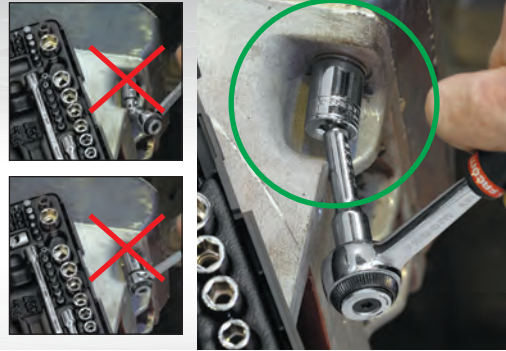
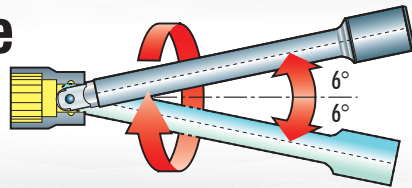


🔧	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
<b>R.209</b>	12	8,2	55	30
<b>R.210</b>	12	8,2	100	45
<b>R.215</b>	12	8,2	150	65
<b>R.217</b>	12	8,2	250	105

ACCESSORIES 1/4"

WOBBLE EXTENSION

Hard to access with a socket or universal joint?  
Use a wobble extension!

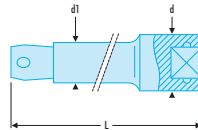


1/4" wobble extension

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



Part No.	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
R.209S	12	8,2	55	30
R.210S	12	8,2	100	45



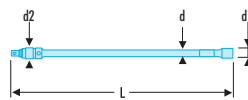
1/4" drive locking extensions

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

- Locking mechanism
- Finish : bright chrome



Part No.	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



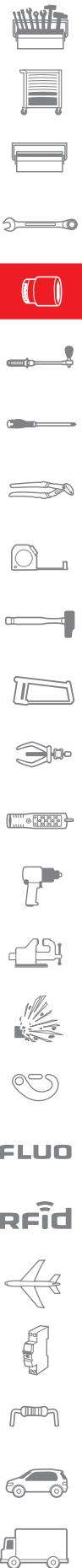
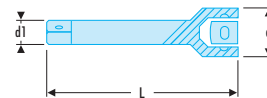
1/4" wobble extension

ASME B107.10

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

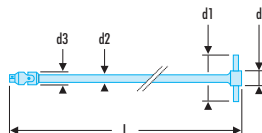


Part No.	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
R.216	12	8	150	65



ACCESSORIES 1/4"

1/4" drive tee with universal joint

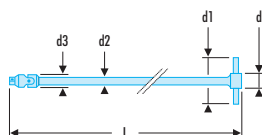


- Universal joint withstands high torques and is spring-steadied in position.
- Long reach and working angle up to 65° allows access to recessed fasteners.
- Finish: bright chrome.



🔧	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
<b>R.229A</b>	13	135	9	13	385	215

1/4" drive tee with universal joint

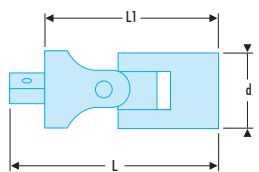


- Extended reach of tee-handle for particularly deep recesses.
- Finish: bright chrome.



🔧	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
<b>R.228</b>	13	135	9	13	470	250

1/4" universal joint



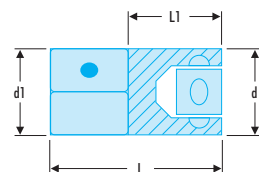
NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Spring-stiffened joints. Stays in position when reaching for fasteners.
- Finish: bright chrome.



🔧	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>R.240A</b>	13	33	25	20

1/4" to 3/8" coupler



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

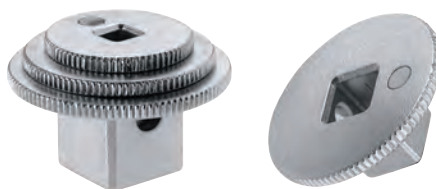
- 1/4" female to 3/8" male square drive.
- For adapting 3/8" drive sockets.
- Finish: bright chrome.



🔧	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>R.232</b>	12	12	24,5	13,5	15

■ Set of 3 couplers

- Allows use of square drivers smaller than socket drive sizes:
  - 1/4" square drive + D.169RJ --> 3/8" socket (ø 1/4' : 28,7 - R 1/4' : 13 mm).
  - 3/8" square drive + D.169JS --> 1/2" socket (ø 3/8' : 37,8 - R 3,8' : 16 mm).
  - 1/2" square drive --> 3/4" socket (ø 1/4' : 43,9 - R 1/8' : 22).
- 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.



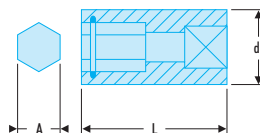
Part Number	Weight [g]
D.169	100

■ 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 (1/4" - 6,35 mm) changes.
  - Finish: bright chrome.



Part Number	A ["]	d [mm]	L [mm]	Square ["]	Weight [g]
R.235	1/4	11,3	22	1/4	10

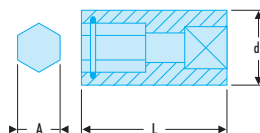


■ 1/4" drive secure spring-clip bit holder

- 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.



Part Number	A ["]	d [mm]	L [mm]	Square ["]	Weight [g]
R.245	1/4	11,3	22	1/4	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.



Part Number	A ["]	L [mm]	Square ["]	Weight [g]
E.F.R	1/4	30	1/4	25



RATCHETS 1/4"

37-piece set of 1/4" metric 6-point socket and bit set



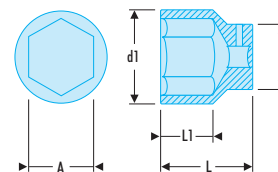
Comprises:

- 1 x ultra-compact flexible head 11 mm drive ratchet for sockets series HX: R.180HX.
- 1 x high performance compact 1/4" ratchet: R.161B.
- 10 x 1/4" hexagonal metric 6-point sockets: R.HX 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm.
- 2 x 1/4" extensions: L 55 mm (R.209) - L 100 mm (R.210).
- 1 x 1/4" universal joint: R.240A.
- 1 x 1/4" drive standard spring-clip bit holder: R.235.
- 21 x bits - 1/4" drive bit - 6.35 mm - L 25 mm:
  - EP.1T for Philips® head screws: PH1 - PH2 - PH3.
  - ED.1T for Pozidriv® head screws: PZ1 - PZ2 - PZ3.
  - ES.1T for slotted head screws: 4.5 - 6.5 - 8.0 mm.
  - EH.1 for metric 6-point socket head screws: 3 - 4 - 5 - 6 - 7 mm.
  - EXR.1 for vis Resistor® screws: TT 10 - TT 15 - TT 20 - TT 25 - TT 27 - TT 30 - TT 40.
- Empty case: BP.MBOXS.
- Thermoformed tray S (188 x 105 mm): PL.S19.

Part No.	Weight [g]
R.161-6P6HX	805

SOCKETS 1/4"

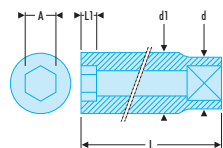
R.HX - 1/4" metric 6-point hexagonal sockets



- Double drive sockets:
  - Classical 1/4" drive with a ratchet or classical 1/4" accessories.
  - Drive outside the socket by the 11 mm hexagon with the ultra compact 180° flexible head (R.180HX). Ratchet / socket fitting 2 times more compact than a typical ratchet / socket fitting. Ideal in confined spaces.
- The hexagon also allows for direct drive by the open end or ring on a combination wrench.
- Satin chrome finish.
- Available in boxes: 10 sockets R.HX + socket R.180HX (RXPICO) or 10 sockets R.HX + 1 traditional ratchet R.161B + 2 extensions + 1 universal joint + 21 bits (R.161-6P6HX).

Part No.	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
R.5.5HX	5,5	11,0	8,2	18,0	5,0	6	6
R.6HX	6,0	11,0	9,2	18,0	5,0	6	8
R.7HX	7,0	11,0	10,4	18,0	5,0	6	8
R.8HX	8,0	11,0	11,5	18,0	5,0	6	8
R.9HX	9,0	11,0	12,4	18,0	5,0	6	8
R.10HX	10,0	11,0	13,8	18,0	7,0	6	7
R.11HX	11,0	11,0	15,8	18,0	7,0	6	8
R.12HX	12,0	11,0	16,8	18,0	7,0	6	10
R.13HX	13,0	11,0	17,8	18,0	7,0	6	14
R.14HX	14,0	11,0	19,8	18,0	7,0	6	16

R 1/4" drive metric 6-point sockets

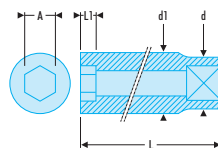


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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

Part No.	A [mm]	d [mm]	d1 [mm]	H3 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
R.3,2	3,2	11,2	5,9	2,4	22	2,4	6	4
R.4	4,0	11,2	6,9	2,6	22	2,6	6	4
R.5	5,0	11,2	8,2	4,8	22	4,8	6	5
R.5,5	5,5	11,2	8,8	4,8	22	4,8	6	6
R.6	6,0	11,2	9,4	5,6	22	5,6	6	6
R.7	7,0	11,0	11,0	6	22	6,0	6	7
R.8	8,0	12,0	12,0	6,50	22	6,5	6	8
R.9	9,0	13,2	13,2	6,50	22	6,5	6	10
R.10	10,0	14,7	14,7	7,80	22	7,8	6	14
R.11	11,0	15,8	15,8	9	22	9,0	6	16
R.12	12,0	17,0	17,0	9,50	22	9,5	6	18
R.13	13,0	17,7	17,7	10	22	10,0	6	20
R.14	14,0	18,7	18,7	10	22	10,0	6	24

R 1/4" drive inch 6-point sockets

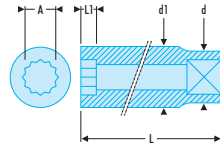


ASME B107.1

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

Part No.	A ["]	d [mm]	d1 [mm]	H3 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
R.3/16	3/16	11,2	8,0	4,75	22	4,8	6	6
R.7/32	7/32	11,2	9,0	5,50	22	5,5	6	8
R.1/4	1/4	11,2	10,1	6	22	6,0	6	8
R.9/32	9/32	11,0	11,0	6	22	6,0	6	10
R.5/16	5/16	12,0	12,0	6,50	22	6,5	6	10
R.11/32	11/32	13,2	13,2	6,50	22	6,5	6	12
R.3/8	3/8	14,7	14,7	7,80	22	7,8	6	16
R.13/32	13/32	14,7	14,7	7,80	22	7,8	6	16
R.7/16	7/16	15,8	15,8	9	22	9,0	6	16
R.1/2	1/2	17,7	17,7	10	22	10,0	6	22
R.9/16	9/16	18,7	18,7	10	22	10,0	6	24

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

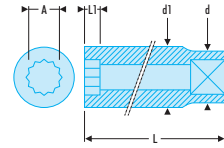


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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

Socket	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
R.5,5E	5,5	11,2	8,8	22	4,8	12	8
R.6E	6,0	11,2	9,4	22	5,6	12	9
R.7E	7,0	11,0	11,0	22	6,0	12	9
R.8E	8,0	12,0	12,0	22	6,5	12	11
R.9E	9,0	13,2	13,2	22	6,5	12	14
R.10E	10,0	14,7	14,7	22	7,8	12	18
R.11E	11,0	15,8	15,8	22	9,0	12	19
R.12E	12,0	17,0	17,0	22	9,5	12	23
R.13E	13,0	17,7	17,7	22	10,0	12	24
R.14E	14,0	18,7	18,7	22	10,0	12	26

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

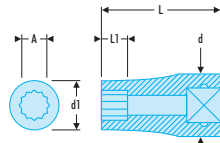


ASME B107.1

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

Socket	A ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
R.3/16E	3/16	11,2	8,0	22	4,8	12	6
R.7/32E	7/32	11,2	9,0	22	5,5	12	8
R.1/4E	1/4	11,2	10,1	22	6,0	12	8
R.9/32E	9/32	11,2	10,6	22	6,0	12	10
R.5/16E	5/16	12,0	12,0	22	6,5	12	10
R.11/32E	11/32	13,0	13,0	22	6,5	12	12
R.3/8E	3/8	14,7	14,7	22	7,8	12	16
R.13/32E	13/32	14,7	14,7	22	7,8	12	16
R.7/16E	7/16	15,8	15,8	22	9,0	12	16
R.1/2E	1/2	17,7	17,7	22	10,0	12	22
R.9/16E	9/16	18,7	18,7	22	10,0	12	24

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

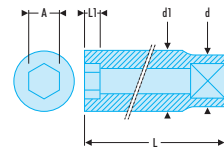


ASME B107.110

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

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

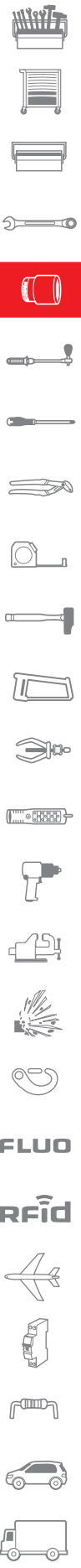
■ R.LA 1/4" long-reach metric 6-point sockets



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.

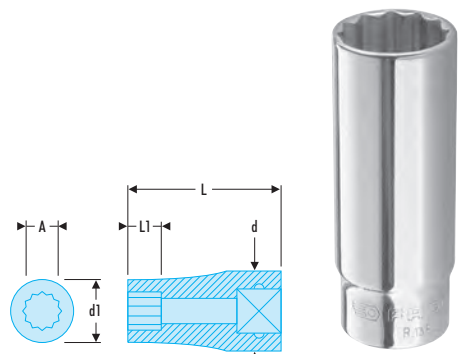
Socket	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
R.3.2LA	3,2	12,0	5,80	50,5	1,8	6	18
R.4LA	4,0	12,0	6,80	50,5	2,0	6	18
R.5LA	5,0	12,0	8,10	50,5	2,3	6	18
R.5.5LA	5,5	12,0	8,10	50,5	3,0	6	18
R.6LA	6,0	12,0	9,40	50,5	5,6	6	18
R.7LA	7,0	12,0	10,90	50,5	7,1	6	27
R.8LA	8,0	12,0	12,00	50,5	7,9	6	27
R.9LA	9,0	12,8	12,80	50,5	7,9	6	32
R.10LA	10,0	14,3	14,30	50,5	7,9	6	41
R.11LA	11,0	16,0	16,00	50,5	7,9	6	54
R.12LA	12,0	16,8	16,80	50,5	8,4	6	50
R.13LA	13,0	18,2	18,20	50,5	8,4	6	59
R.14LA	14,0	19,2	19,20	50,5	10,2	6	68





LONG REACH SOCKETS 1/4"

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

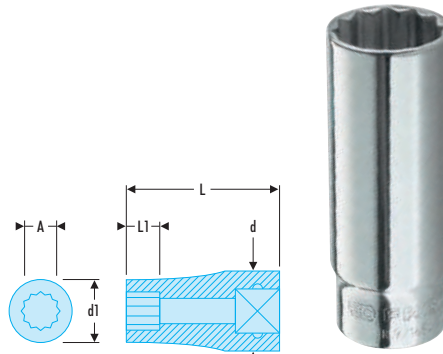


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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

⊞	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
R.4EL	4	6.7	11.2	50	4	12	18
R.4.5EL	4.5	7.3	11.2	50	4.5	12	18
R.5EL	5	7.8	11.2	50	5.5	12	18
R.5.5EL	5.5	8.5	11.2	50	6	12	18
R.6EL	6	9.2	11.2	50	7	12	18
R.7EL	7	10.3	11.2	50	8	12	27
R.8EL	8	11.2	11.7	50	9	12	27
R.9EL	9	13	12	50	10	12	32
R.10EL	10	14.3	12.9	50	11	12	41
R.11EL	11	15.5	14.3	50	12	12	54
R.12EL	12	16.8	15.5	50	13	12	56
R.13EL	13	18	16.4	50	14	12	59
R.14EL	14	19.3	17.9	50	16	12	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 ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
R.3/16EL	3/16	10,9	7,7	50	6,0	12	14
R.7/32EL	7/32	10,9	8,5	50	7,4	12	15
R.1/4EL	1/4	10,9	9,4	50	7,4	12	17
R.9/32EL	9/32	10,9	10,2	50	8,5	12	17
R.5/16EL	5/16	11,8	11,4	50	9,0	12	23
R.11/32EL	11/32	12,0	12,5	50	9,7	12	25
R.3/8EL	3/8	12,8	13,7	50	11,2	12	32
R.7/16EL	7/16	14,3	15,6	50	11,9	12	40
R.1/2EL	1/2	16,2	17,3	50	13,8	12	45
R.9/16EL	9/16	17,1	18,8	50	16,2	12	49

Set of 1/4" long-reach inch 12-point sockets



⊞	A ["]	A [mm]	6-12 [mm]	Contents	Qtés	ΔΔ [kg]
R.40E		R. 3,2 - 4 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14	6	CKS.93	13	0,255
RB.40AE		R.E 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14	12	CKS.93	10	0,200
RL.40E		R.LA 3,2 - 4 - 5 - 5,5 - 6 - 7 - 8 - 9	6	CKS.89	8	0,215
RL.41E		R.LA 10 - 11 - 12 - 13 - 14	6	CKS.89	5	0,300
REL.40		R.EL 3,2 - 4 - 5 - 5,5 - 6 - 7 - 8 - 9	12	CKS.89	8	0,215
REL.41		R.EL 10 - 11 - 12 - 13 - 14	12	CKS.89	5	0,300
R.40U		R. 3/16 - 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 13/32 - 7/16 - 1/2 - 9/16	6	CKS.93	11	0,220
RB.40AU		RB. 3/16 - 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 7/16 - 1/2 - 9/16	12	CKS.93	10	0,205
REL.40U		R.EL 3/16 - 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 7/16 - 1/2 - 9/16	12	CKS.93	10	0,345
RTX.40		RTX. E4 - E5 - E6 - E7 - E8 - E10	Torx®	CKS.89	7	0,105

Sets of 1/4" sockets

• Box: BP.MOXS.

Ref	A ["]	A [mm]	12 [mm]	Contents	Qtés	ΔΔ [kg]
R.400		R.E 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14	12	PLS17	10	0,445
R.401		R. 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14	6	PLS17	10	0,445
R.400U	R.E 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 13/32 - 7/16 - 1/2 - 9/16		12	PLS17	10	0,455
R.401U	R. 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 13/32 - 7/16 - 1/2 - 9/16		6	PLS17	10	0,455
R.404		R.EL 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14	12	PLS18	10	0,700
R.405		R.LA 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14	6	PLS18	10	0,700
R.404U	R.EL 3/16 - 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 7/16 - 1/2 - 9/16		12	PLS18	10	0,590

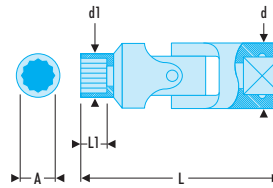


R.F - 1/4" drive hinged 12-point sockets

ASME B107.110

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

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

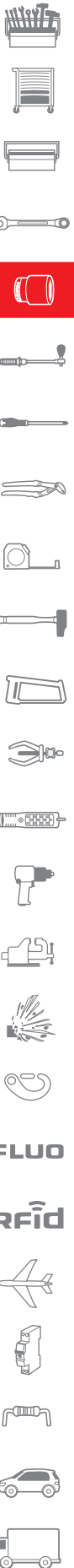
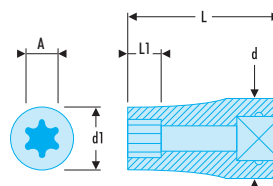


TORX® SOCKETS 1/4"

RTX - 1/4" Torx® sockets

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

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



1/4" DRIVE SOCKETS WITH REMOVABLE BITS

21-piece set of 1/4" and 1/2" Torx® sockets and bits

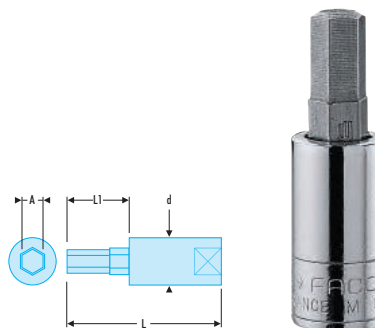


Comprises:

- 4 x 1/4" Torx® sockets: RTX. E6 - E7 - E8 - E10.
- 5 x 1/2" Torx® sockets: STX. E10 - E14 - E16 - E18 - E20.
- 1 x 1/4" socket bit holder with retaining pin - standard for 1/4" bits - 6.35 mm: R.235.
- 1 x 1/2" socket bit holder with retaining pin - standard for 5/16" bits - 7.94 mm: S.236.
- 7 x bits - 1/4" drive bit - 6.35 mm - L 25 mm:  
- EXR.1 for Resistorx® screws: TT 10 - TT 15 - TT 20 - TT 25 - TT 27 - TT 30 - TT 40.
- 3 x bits - 5/16" drive bit - 7.94 mm - L 35 mm:  
- EX.2 for Torx® screws: T 45 - T 50 - T 55.
- Empty case: BP.MBOXS.
- Thermoformed tray S (188 x 105 mm): PL.S05.

⊞	ΔΔ [kg]
<b>RSX.19B</b>	0,840

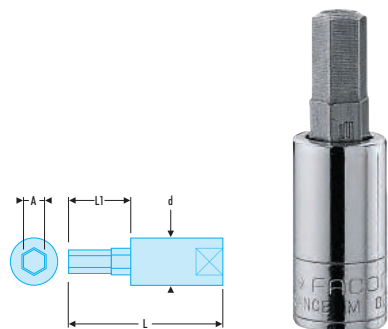
RT 1/4" drive metric 6-point sockets



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

⊞	A [mm]	d [mm]	L [mm]	L1 [mm]	Socket	Bits	ΔΔ [g]
<b>RT.2</b>	2,0	11,3	37	15	R.245	EH.102	18
<b>RT.2,5</b>	2,5	11,3	37	15	R.245	EH.102,5	18
<b>RT.3</b>	3,0	11,3	37	15	R.245	EH.103	18
<b>RT.4</b>	4,0	11,3	37	15	R.245	EH.104	18
<b>RT.5</b>	5,0	11,3	37	15	R.245	EH.105	19
<b>RT.6</b>	6,0	11,3	37	15	R.245	EH.106	20
<b>RT.7</b>	7,0	11,3	37	15	R.245	EH.107	21
<b>RT.8</b>	8,0	11,3	37	15	R.245	EH.108	22
<b>RT.10</b>	10,0	11,3	37	15	R.245	EH.110	24

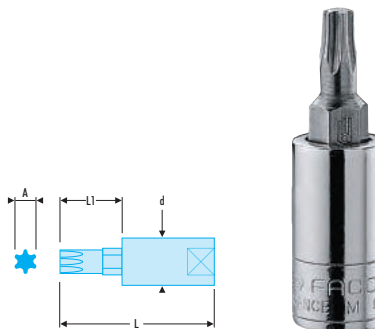
RT 1/4" drive inch 6-point sockets



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

⊞	A ["]	A [mm]	d [mm]	L [mm]	L1 [mm]	Bits	ΔΔ [g]
<b>RT.1/8</b>	1/8	3,17	11,3	37	15	EH.101/8	18
<b>RT.5/32</b>	5/32	3,96	11,3	37	15	EH.105/32	18
<b>RT.3/16</b>	3/16	4,76	11,3	37	15	EH.103/16	18
<b>RT.7/32</b>	7/32	5,56	11,3	37	15	EH.107/32	19
<b>RT.1/4</b>	1/4	6,35	11,3	37	15	EH.101/4	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]	d [mm]	L [mm]	L1 [mm]	Torx [No]	Bits	No.	ΔΔ [g]
<b>RX.10</b>	2,72	11,3	37	15	T10	EX.110	T10	17
<b>RX.15</b>	3,26	11,3	37	15	T15	EX.115	T15	17
<b>RX.20</b>	3,84	11,3	37	15	T20	EX.120	T20	18
<b>RX.25</b>	4,40	11,3	37	15	T25	EX.125	T25	18
<b>RX.27</b>	4,96	11,3	37	15	T27	EX.127	T27	18
<b>RX.30</b>	5,49	11,3	37	15	T30	EX.130	T30	18
<b>RX.40</b>	6,60	11,3	37	15	T40	EX.140	T40	18

SETS OF 3/8" METRIC 'DETECTION BOX' SOCKETS

		J.161DBOX1	JL.DBOX1	JL.DBOX112	JL.DBOX500	JL.DBOX501	J.360DBOX1	J.360DBOX112	JXL.DBOX1
	J.161B	JL.161	JL.161	JL.171	JL.171	J.360	J.360	JXL.171	
<b>Socket</b>	mm	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
	J.8	•	•	•	•	•	•	•	
	J.9	•	•	•	•	•	•	•	
	J.10	•	•	•	•	•	•	•	
	J.11	•	•	•	•	•	•	•	
	J.12	•	•	•	•	•	•	•	
	J.13	•	•	•	•	•	•	•	
	J.14	•	•	•	•	•	•	•	
	J.15	•	•	•	•	•	•	•	
	J.16	•	•	•	•	•	•	•	
	J.17	•	•	•	•	•	•	•	
	J.18	•	•	•	•	•	•	•	
	J.19	•	•	•	•	•	•	•	
	J.21	•	•	•	•	•	•	•	
	J.22	•	•	•	•	•	•	•	
	J.210	•	•	•	•	•	•	•	
	J.210RC				•	•		•	
	J.215	•	•	•			•		
	J.210RC				•	•		•	
	J.240A	•	•	•			•	•	
BV.J1NANO									
280 x 124 x 50 mm									
		1,840 Kg	1,880 Kg	1,880 Kg	1,920 Kg	1,920 Kg	2,105 Kg	2,105 Kg	2,075 Kg

J.161DBOX1



JL.DBOX1



JL.DBOX112



JL.DBOX500



JL.DBOX501



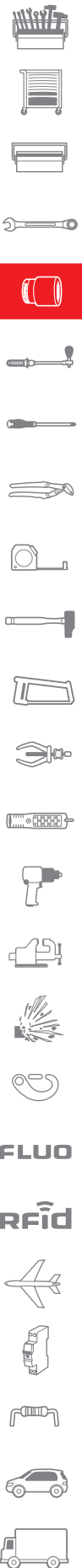
J.360DBOX1



J.360DBOX112



JXL.DBOX1



3/8" SOCKET SETS MBOX METRIC

15  
PIECES



6	12	7	8	9	10	11	12	13	14	15
		16	17	18	19	20	21	22	23	24
125 mm					250 mm					
[Icon]			[Icon]			[Icon]				

[Icon]	[Icon]	[Icon]	[Icon]	[Icon]	[Icon]	[Icon]	[Icon]
J.161-1P6	J.161B	[Icon]	6	BP.MBOXM	PL.M13	329 x 219 x 59 mm	1.565
J.161-1P12	J.161B	[Icon]	12	BP.MBOXM	PL.M13	329 x 219 x 59 mm	1.565

18  
PIECES



6	12	7	8	9	10	11	12	13	14	15
		16	17	18	19	20	21	22	23	24
125 mm					250 mm					
[Icon]			[Icon]			[Icon]				

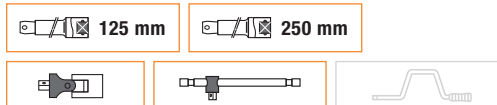
[Icon]	[Icon]	[Icon]	[Icon]	[Icon]	[Icon]	[Icon]	[Icon]
J.161-2P6	J.161B	[Icon]	6	BP.MBOXM	PL.M14	329 x 219 x 59 mm	1.950
J.161-2P12	J.161B	[Icon]	12	BP.MBOXM	PL.M14	329 x 219 x 59 mm	1.950
JL.161-2P6	JL.161	[Icon]	6	BP.MBOXM	PL.M14	329 x 219 x 59 mm	1.990
JL.161-2P12	JL.161	[Icon]	12	BP.MBOXM	PL.M14	329 x 219 x 59 mm	1.990

### 3/8" SOCKET SETS MBOX METRIC

20  
PIECES



6 12 7 8 9 10 11 12 13 14 15  
16 17 18 19 20 21 22 23 24

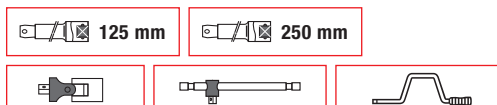


Item	Code	Quantity	Material	Case	Dimensions	Weight
J.161-3P6	J.161B	6	BP.MBOXM	PL.M15	329 x 219 x 59 mm	2.190
J.161-3P12	J.161B	12	BP.MBOXM	PL.M15	329 x 219 x 59 mm	2.190
JL.161-3P6	JL.161	6	BP.MBOXM	PL.M15	329 x 219 x 59 mm	2.230
JL.161-3P12	JL.161	12	BP.MBOXM	PL.M15	329 x 219 x 59 mm	2.230
JL.171-3P6	JL.171	6	BP.MBOXM	PL.M15	329 x 219 x 59 mm	2.270
JL.171-3P12	JL.171	12	BP.MBOXM	PL.M15	329 x 219 x 59 mm	2.270
J.360-3P6	J.360	6	BP.MBOXM	PL.M16	329 x 219 x 59 mm	2.460
J.360-3P12	J.360	12	BP.MBOXM	PL.M16	329 x 219 x 59 mm	2.460

24  
PIECES



6 12 7 8 9 10 11 12 13 14 15  
16 17 18 19 20 21 22 23 24



Item	Code	Quantity	Material	Case	Dimensions	Weight
J.161-4P6	J.161B	6	BP.MBOXL	PL.L10	434 x 270 x 70 mm	3.495
J.161-4P12	J.161B	12	BP.MBOXL	PL.L10	434 x 270 x 70 mm	3.495



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3/8" SOCKET SETS MBOX INCH

12  
PIECES



6 **12** 1/4 5/16 3/8 7/16 1/2 9/16  
5/8 11/16 3/4 13/32 7/8 15/16 1

125 mm 250 mm

						$\Delta\Delta$ [kg]
J.161-1P12U	J.161B	12	BP.MBOXM	PL.M17	329 x 219 x 59 mm	1.470

16  
PIECES



6 **12** 1/4 5/16 3/8 7/16 1/2 9/16  
5/8 11/16 3/4 13/32 7/8 15/16 1

125 mm 250 mm

						$\Delta\Delta$ [kg]
J.161-2P12U	J.161B	12	BP.MBOXM	PL.M18	329 x 219 x 59 mm	2.070
JL.161-2P12U	JL.161	12	BP.MBOXM	PL.M18	329 x 219 x 59 mm	2.110

19  
PIECES



6 **12** 1/4 5/16 3/8 7/16 1/2 9/16  
5/8 11/16 3/4 13/32 7/8 15/16 1

125 mm 250 mm

						$\Delta\Delta$ [kg]
J.161-3P12U	J.161B	12	BP.MBOXL	PL.L11	434 x 270 x 70 mm	3.325

### 3/8" SOCKET SETS MBOX METRIC AND INCH

Socket		J.430AMU	JL.430AMU	J.431BSP	J.430BSP	J.451EP	J.450U
mm/inch		J.161B mm + inch Standard	JL.161 mm + inch Standard	J.161B mm Standard	J.161B mm Standard	J.161B + J.156 mm Std + long	J.161B + J.156 Inch Std + long
	7	1/4	•	•	•	•	•
	8	5/16	•	•	•	•	•
	9	3/8	•	•	•	•	•
	10	7/16	•	•	•	•	•
	11	1/2	•	•	•	•	•
	12	9/16	•	•	•	•	•
	13	5/8	•	•	•	•	•
	14	11/16	•	•	•	•	•
	15	3/4	•	•	•	•	•
	16	13/16	•	•	•	•	•
	17	7/8	•	•	•	•	•
	18	15/16	•	•	•	•	•
19	1	•	•	•	•	•	
21		•	•	•	•	•	•
22		•	•	•	•	•	•
24		•	•	•	•	•	•
	EH						
	3	1/8		•	•	•	•
	4	5/32		•	•	•	•
	5	3/16		•	•	•	•
	6	7/32		•	•	•	•
	ED						
	1			•	•	•	•
	2			•	•	•	•
	3			•	•	•	•
	ES						
	4,5			•	•	•	•
	5,5			•	•	•	•
	6,5			•	•	•	•
	J.210	•	•	•	•	•	•
	J.215	•	•	•	•	•	•
	J.216	•	•	•	•	•	•
	J.240A	•	•	•	•	•	•
	J.120A	•	•	•	•	•	•
	J.110	•	•	•	•	•	•
	J.140A	•	•	•	•	•	•
	J.235	•	•	•	•	•	•
J.236	•	•	•	•	•	•	
		PL.L12 BP.MBOXL 434 x 270 x 70 mm 3,500 Kg	JL.430AMU PL.L12 BP.MBOXL 434 x 270 x 70 mm 3,540 Kg	J.431BSP PL.M19 BP.MBOXM 329 x 219 x 59 mm 2,365 Kg	J.430BSP PL.M19 BP.MBOXM 329 x 219 x 59 mm 2,365 Kg	J.451EP PL.77B 540 x 280 x 58 mm 7,700 Kg	J.450U PL.78B 540 x 280 x 58 mm 7,380 Kg

J.430AMU



JL.430AMU



J.431BSP



J.430BSP



J.451EP



J.450U






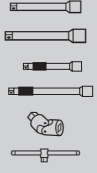

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RFid





**3/8" MODULES IN THERMOFORMED TRAYS METRIC-INCH**

		<b>MOD.J161-36</b>	<b>MOD.JL161-36</b>	<b>MOD.JL171-36</b>	<b>MOD.J360-36</b>	<b>MOD.J161-212U</b>	<b>MOD.JL161-212U</b>
  <b>Socket</b>		J.161B	JL.161	JL.171	J.360	J.161B	JL.161
mm/inch		6 mm Standard	6 mm Standard	6 mm Standard	6 mm Standard	12 inch Standard	12 inch Standard
	7	•	•	•	•	•	•
	8	•	•	•	•	•	•
	9	•	•	•	•	•	•
	10	•	•	•	•	•	•
	11	•	•	•	•	•	•
	12	•	•	•	•	•	•
	13	•	•	•	•	•	•
	14	•	•	•	•	•	•
	15	•	•	•	•	•	•
	16	•	•	•	•	•	•
	17	•	•	•	•	•	•
	18	•	•	•	•	•	•
	19	•	•	•	•	•	•
	21	•	•	•	•	•	•
22	•	•	•	•	•	•	
	J.210	•	•	•	•	•	•
	J.215	•	•	•	•	•	•
	J.210RC			•			
	J.215RC			•			
	J.240A	•	•	•	•	•	•
	J.120A	•	•	•	•	•	•
		PL.M15			PL.M16	PL.M18	
		309 x 188 x 55 mm					
		1,595 Kg	1,635 Kg	1,675 Kg	1,865 Kg	1,455 Kg	1,495 Kg

**MOD.J161-36**



**MOD.JL161-36**



**MOD.JL171-36**



**MOD.J360-36**




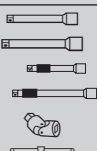

**MOD.J161-212U**



**MOD.JL161-212U**



### 3/8" MODULES IN FOAM TRAYS METRIC

Socket	mm/inch		MODM.J161-36	MODM.JL161-36
	J.161B	JL.161	Standard	Standard
	7	1/4	•	•
	8	5/16	•	•
	9	3/8	•	•
	10	7/16	•	•
	11	1/2	•	•
	12	9/16	•	•
	13	5/8	•	•
	14	11/16	•	•
	15	3/4	•	•
	16	13/16	•	•
	17	7/8	•	•
	18		•	•
	19		•	•
	21		•	•
22		•	•	
	J.210		•	•
	J.215		•	•
	J.210RC			
	J.215RC			
	J.240A		•	•
	PM.MODJ161-3			
	410 x 188 x 55 mm			
		1,450 Kg	1,490 Kg	



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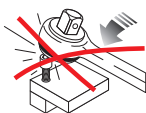
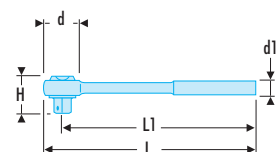
RATCHETS 3/8"

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.



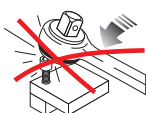
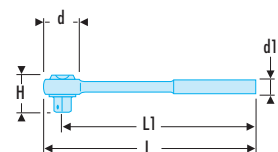
	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.360	37	37	39	233	215	465

3/8" maintenance free pear head locking ratchet



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

- Socket locking and quick release system.
- 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.



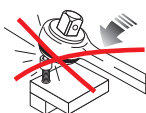
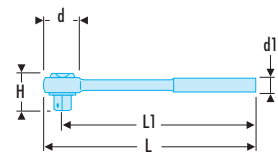
	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
JL.171	29	24/27	24,5	210	195.0	245

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	24 / 27	29	210	195	240

High performance sealed 3/8" ratchet



⇒	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.161B	30	24,3 / 28,2	27,6	201	185	200

Original 3/8" ratchet

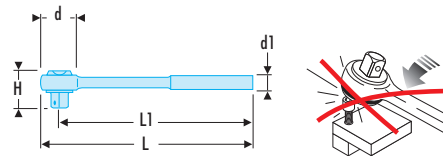
- 72 tooth mechanism for 5° increments.
- Reversing by rotating cap.
- Ultra-compact head.
- Single material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Hole in the handle for strapping when working in high places.
- Easy maintenance: spare parts kit J.151B-KIT.



⇒	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.151B	30	16,6 / 28,1	27,6	201	185	195

high performance sealed 3/8" locking ratchet with extending and flexible head

- 2-in-1 ratchet with extending handle. Standard use and easy storage in closed position. Higher torque, less effort and maximum accessibility in the extended position.
- Total length from 247 to 355 mm. 8 setting positions secured by safety catch.
- 180° hinged and secured head to maintain the position even with a socket engaged.
- Very long durability regardless of working conditions. Maintenance-free. Mechanism sealed to industrial dust.
- 72 tooth mechanism for 5° increments.
- Socket safety locking: no sockets lost in your machines.
- Lever reversing: easy even when wearing gloves. Visible rotation direction.
- "Palm control" system, allowing to press the ratchet head during (un)tightening without risk of accidental reversing of the rotation direction.
- Ultra-compact head.
- Bi-material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Hole in the handle for strapping when working in high places.
- Finish: bright chrome.

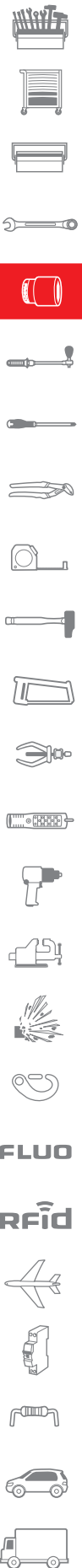


⇒	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
JXL.171	29	28/32	33	247/355	192/300	400

MAINTENANCE OF 3/8" RATCHETS

Kit : 151B	
Kit : 161B	

	151 style 151B style	161 style 161B style
3/8" 9.52 mm	⇒ J.151B-KIT : J.151A J.151B	⇒ J.161B-KIT : J.161, J.161B, J.153, J.155A, J.157A, J.158A, R.161E

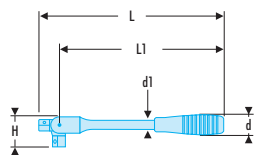


ACCESSORIES 3/8"

3/8" hinged bar



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10  
 • Stiffened joint.  
 • Finish: bright chrome.

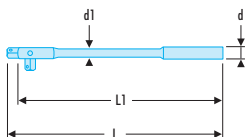


🔧	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.140A	25	10	33,5	260	235,5	230

3/8" drive metal-grip hinged handle

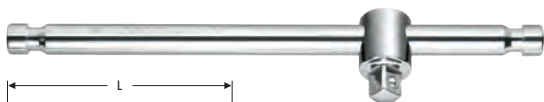


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10  
 • Stiffened joint.  
 • Finish: bright chrome.

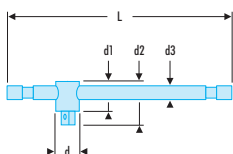


🔧	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.145	17	11	255	245	290

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.

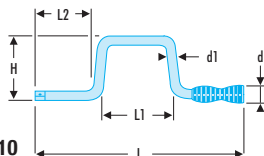


🔧	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
J.120A	20	23	34	12	200	215

3/8" drive speed brace



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10  
 • For fast rotation.  
 • PVC rotating handle.  
 • Finish: bright chrome.

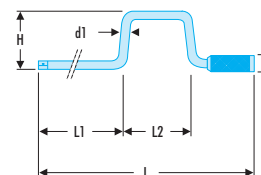


🔧	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	ΔΔ [g]
J.110A	29	12	115	382	130	110	395

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

**3/8" offset ratchet**

- Allows adding a ratchet mechanism to a fixed control tool (such as a hinged handle).
- 3/8" female square drive bit.
- Out: 3/8" male square drive bit.
- 72 tooth mechanism for 5° increments.
- Reversing by rotating cap.
- Satin chrome finish.



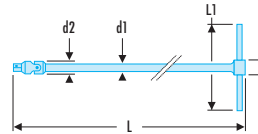
Part No.	d [mm]	H [mm]	ΔΔ [g]
<b>J.156</b>	39	53	200

**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.

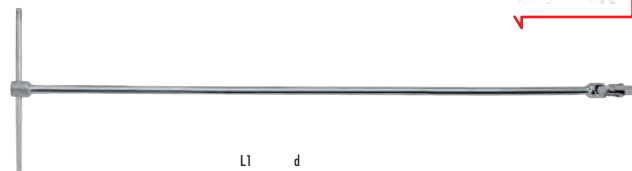


Part No.	d [mm]	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>J.229A</b>	17	10	19	460	175	410

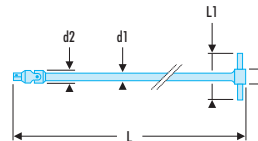


**3/8" long-reach drive tee with universal joint**

- 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]
<b>J.228</b>	18	12	19	700	190	660

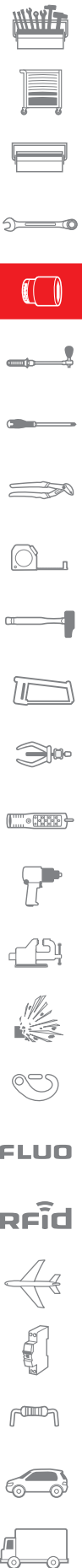
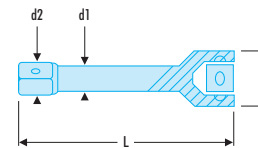


**J - 3/8" drive extensions**

- NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10
- Finish: bright chrome.

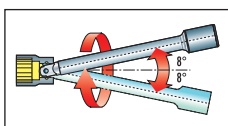
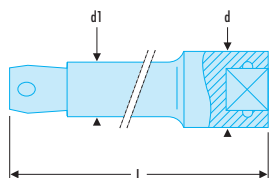


Part No.	d [mm]	d1 [mm]	d2 [mm]	L [mm]	ΔΔ [g]
<b>J.208</b>	18	10	12,6	50	65
<b>J.209</b>	18	10	12,6	75	85
<b>J.210</b>	18	10	12,6	125	130
<b>J.215</b>	18	10	12,6	250	230
<b>J.217</b>	18	10	12,6	500	445



ACCESSORIES 3/8"

J.S - 3/8" drive wobble extensions

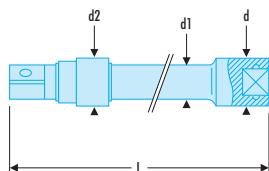


- Square drive profile gives 8° working angle.
- Useful where access is limited.
- Finish: bright chrome.



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

J.RC - 3/8" drive locking extensions



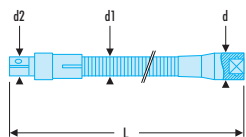
NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Locking mechanism
- Finish : bright chrome



Part No.	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



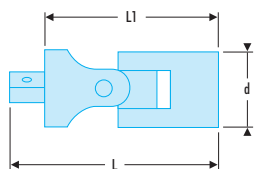
ASME B107.10

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



Part No.	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.



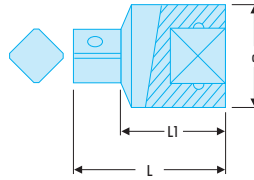
Part No.	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.240A	19	50,7	38,7	60

■ **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

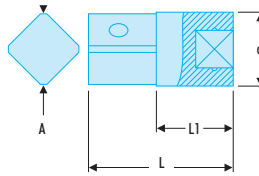


■ **3/8" to 1/2" coupler**

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



■ **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.

Part No.	ΔΔ [g]
D.169	100

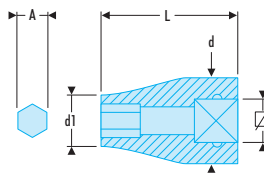


■ **J - 3/8" bit holder sockets with retaining clip**

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 ["]	d [mm]	d1 [mm]	L [mm]	Square ["]	ΔΔ [g]
J.235	1/4	18,0	11,311,3	30	3/8	28
J.236	5/16	18,0	14,0,0	30	3/8	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.

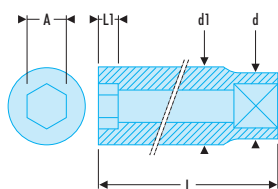
Part No.	A ["]	L [mm]	Square ["]	ΔΔ [g]
EF.J	1/4	43	3/8	50





SOCKETS 3/8"

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

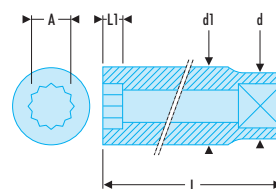


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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

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

J - 3/8" metric 12-point sockets

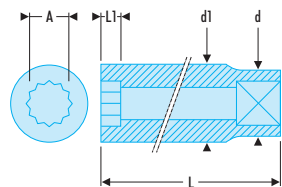


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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

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

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

JB - 3/8" inch 12-point sockets

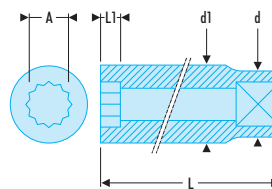


ASME B107.1

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



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



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

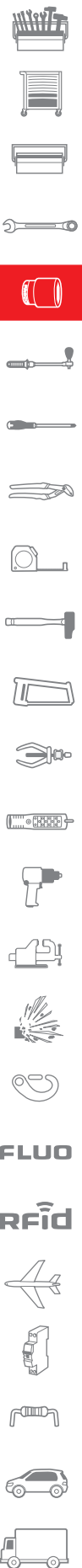
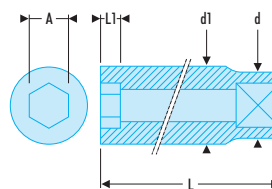


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- 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.

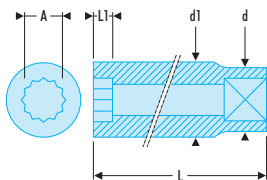


Ref	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
J.7HLA	7	17,3	10,6	55	6,0	6	44
J.8HLA	8	17,3	12,0	55	7,5	6	46
J.9HLA	9	17,3	13,0	55	7,5	6	47
J.10HLA	10	17,3	14,5	55	9,0	6	50
J.11HLA	11	17,3	16,0	55	10,5	6	53
J.12HLA	12	17,2	16,8	55	12,0	6	53
J.13HLA	13	17,0	18,0	55	12,0	6	54
J.14HLA	14	18,0	20,0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



SOCKETS 3/8"

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

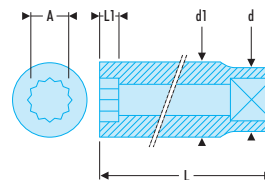


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- 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]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
J.7LA	7	17,3	10,6	55	6,0	12	44
J.8LA	8	17,3	12,0	55	7,5	12	46
J.9LA	9	17,3	13,0	55	7,5	12	47
J.10LA	10	17,3	14,5	55	9,0	12	50
J.11LA	11	17,3	16,0	55	10,5	12	53
J.12LA	12	17,3	16,8	55	12,0	12	53
J.13LA	13	17,2	18,0	55	12,0	12	54
J.14LA	14	17	20,0	55	15,0	12	60
J.15LA	15	18	21,0	55	15,0	12	75
J.16LA	16	20	22,0	60	15,0	12	85
J.17LA	17	20	23,5	60	15,0	12	102
J.18LA	18	22	24,5	60	18,0	12	109
J.19LA	19	23	25,0	60	18,0	12	110
J.21LA	21	24	27,0	60	18,0	12	123
J.22LA	22	26	29,0	60	21,0	12	150
J.24LA	24	30	31,0	60	21,0	12	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 ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
J.1/4LA	1/4	17,5	10,6	44,7	4,0	12	36
J.5/16LA	5/16	17,5	12,4	44,7	4,3	12	36
J.3/8LA	3/8	17,5	14,3	44,7	4,7	12	41
J.7/16LA	7/16	17,5	16,2	44,7	6,2	12	45
J.1/2LA	1/2	18,2	18,2	44,7	7,4	12	50
J.9/16LA	9/16	20,5	20,5	48,0	9,0	12	72
J.5/8LA	5/8	22,3	22,3	63,8	10,2	12	104
J.11/16LA	11/16	23,8	23,8	63,8	10,2	12	113
J.3/4LA	3/4	25,3	25,3	63,8	11,8	12	127
J.13/16LA	13/16	27,0	27,0	63,8	12,3	12	140
J.7/8LA	7/8	30,2	30,2	63,8	12,7	12	181
J.15/16LA	15/16	31,8	31,8	63,8	12,7	12	185
J.1PLA	1	33,4	33,4	63,8	12,7	12	185

Sets of 3/8" sockets in metallic rack



➤	A ["]	A [mm]	6 12 [mm]	Torx [No]	Contents	Qtés	ΔΔ [kg]
J.40E		J. 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16	12		CKS.94	10	0,380
JL.40E		J.LA 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15	12		CKS.94	9	0,615
JL.41E		J.LA 16 - 17 - 18 - 19 - 21 - 22 - 24	12		CKS.94	7	0,975
J.40U	J. 1/4 - 5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16		12		CKS.94	8	0,365
JL.40U	J. 1/4 - 5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16		12		CKS.94	10	0,850
JTX.40			TORX®	JTX. E8 - E10 - E12 - E14 - E16	CKS.91	5	0,350
JT.40		JT. 4 - 5 - 6 - 7 - 8 - 10	6		CKS.91	6	0,305

J - 3/8" socket set in box



Box BP.MBOXM.

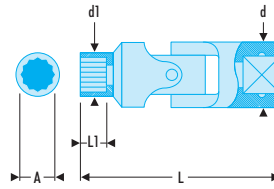
➤	A [mm]	Contents	Qtés	ΔΔ [kg]
J.400	J. 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24	PL.M20	17	1,540
J.401	J.H 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24	PL.M20	17	1,540
J.404	J.LA 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24	PL.M21	16	2,150
J.405	7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24	PL.M21	16	2,150

■ 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 ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
J.3/8F	3/8	19	14,0	27	8,3	12	26
J.7/16F	7/16	19	15,8	27	9,8	12	27
J.1/2F	1/2	19	18,3	30	11,3	12	36
J.9/16F	9/16	19	19,5	30	11,3	12	34
J.5/8F	5/8	19	22,00	30	12,8	12	46
J.11/16F	11/16	19	24,00	33	13,8	12	74
J.3/4F	3/4	19	25,8	33	15,8	12	76

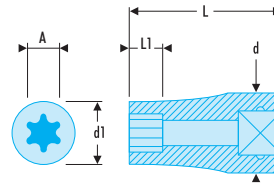


TORX® SOCKETS 3/8"

■ JTX - 3/8" Torx® sockets

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

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

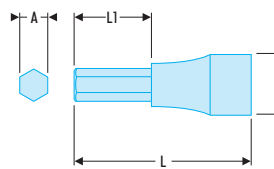


SCREWDRIVER SOCKETS 3/8"

■ 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.

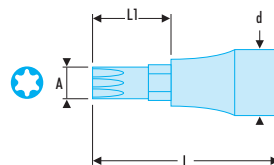
⌘	A [mm]	d [mm]	L [mm]	L1 [mm]	Socket	Bits	ΔΔ [g]
JT.3	3	18	45,0	15,0	J.235	EH.103	31
JT.4	4	18	45,0	15,0	J.235	EH.104	31
JT.5	5	18	45,0	15,0	J.235	EH.105	32
JT.6	6	18	45,0	15,0	J.235	EH.106	33
JT.7	7	18	45,0	15,0	J.235	EH.107	34
JT.8	8	18	47,5	17,5	J.236	EH.208	43
JT.10	10	18	47,5	17,5	J.236	EH.210	50





















■ JX - 3/8" Torx® drive sockets

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

⌘	A [mm]	L [mm]	L1 [mm]	Torx [No]	Socket	Bits	No.	ΔΔ [g]
JX.10	2,72	46,0	16,0	T10	J.235	EX.110	T10	34
JX.15	3,26	46,0	16,0	T15	J.235	EX.115	T15	34
JX.20	3,84	46,0	16,0	T20	J.235	EX.120	T20	34
JX.25	4,40	46,0	16,0	T25	J.235	EX.125	T25	34
JX.27	4,96	46,0	16,0	T27	J.235	EX.127	T27	34
JX.30	5,49	46,0	16,0	T30	J.235	EX.130	T30	34
JX.40	6,60	52,5	22,5	T40	J.236	EX.240	T40	45
JX.45	7,77	52,5	22,5	T45	J.236	EX.245	T45	45
JX.50	8,79	52,5	22,5	T50	J.236	EX.250	T50	18
JX.55	11,17	52,5	22,5	T55	J.236	EX.255	T55	61



SETS OF 1/2" METRIC 'DETECTION BOX' SOCKETS

		S.161DBOX1	SL.DBOX1	SL.DBOX112	SL.DBOX500	SL.DBOX501	S.360DBOX1	S.360DBOX112	SXL.DBOX1
  <b>Socket</b>		S.161B  Standard	SL.161  Standard	SL.161  Standard	SL.171  Standard	SL.171  Standard	S.360  Standard	S.360  Standard	SXL.161  Standard
 mm	8	•	•	•	•	•	•	•	
	9								
	10	•	•	•	•	•	•	•	
	11	•	•	•	•	•	•	•	
	12	•	•	•	•	•	•	•	
	13	•	•	•	•	•	•	•	
	14	•	•	•	•	•	•	•	
	15	•	•	•	•	•	•	•	
	16	•	•	•	•	•	•	•	
	17	•	•	•	•	•	•	•	
	18	•	•	•	•	•	•	•	
	19	•	•	•	•	•	•	•	
	21	•	•	•	•	•	•	•	
22	•	•	•	•	•	•	•		
23									
24	•	•	•	•	•	•	•		
27	•	•	•	•	•	•	•		
30	•	•	•	•	•	•	•		
32	•	•	•	•	•	•	•		
 S.210	•	•	•			•	•		
 S.215	•	•	•			•	•		
 S.210RC				•	•				
 S.215RC				•	•				
 S.210S								•	
 S.240A	•	•	•	•	•	•	•	•	
 S.120A									
BV.S1NANO									
340 x 180 x 58 mm									
		3,535 Kg	3,575 Kg	3,630 Kg		3,705 Kg		3,850 Kg	



S.161DBOX1



SL.DBOX1



SL.DBOX112



SL.DBOX500



SL.DBOX501



S.360DBOX1





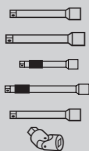

S.360DBOX112



SXL.DBOX1



SETS OF 1/2" METRIC 'DETECTION BOX' SOCKETS

		SL.DBOX4	SL.DBOX412	S.360DBOX4	S.360DBOX112	SXL.DBOX2	SXL.DBOX3
 Socket		SL.161 Standard	SL.161 Standard	S.360 Standard	S.360 Standard	SXL.161 Standard	SXL.171 Standard
 mm	8	•	•	•	•		
	9	•	•	•	•		
	10	•	•	•	•	•	•
	11	•	•	•	•	•	•
	12	•	•	•	•	•	•
	13	•	•	•	•	•	•
	14	•	•	•	•	•	•
	15	•	•	•	•	•	•
	16	•	•	•	•	•	•
	17	•	•	•	•	•	•
	18	•	•	•	•	•	•
	19	•	•	•	•	•	•
	21	•	•	•	•	•	•
	22	•	•	•	•	•	•
	23	•	•	•	•	•	•
24	•	•	•	•	•	•	
25							
26							
27	•	•	•	•	•	•	
28							
29							
30	•	•	•	•	•	•	
32	•	•	•	•	•	•	
 S.210 S.215 S.210RC S.215RC S.210S S.240A S.120A S.232B						•	•
		BV.S2NANO			BV.S3NANO		
		340 x 480 x 58 mm					
		3,435 Kg		3,565 Kg		3,705 Kg	3,835 Kg



SL.DBOX4



SL.DBOX412



S.360DBOX4



S.360DBOX412



SXL.DBOX2



SXL.DBOX3



SETS OF 1/2" METRIC MBOX SOCKETS

15  
PIEZAS



6 12 8 9 10 11 12 13 14 15 16 17 18 19  
20 21 22 23 24 26 27 28 29 30 32 34

130 mm 250 mm

Code	Part No.	Image	Qty	Case	Accessories	Dimensions	Weight
S.151-1P6	S.151B		6	BP.MBOXM	PL.M03	329 x 219 x 59 mm	2.250
S.151-1P12	S.151B		12	BP.MBOXM	PL.M03	329 x 219 x 59 mm	2.250

19  
PIEZAS



6 12 8 9 10 11 12 13 14 15 16 17 18 19  
20 21 22 23 24 26 27 28 29 30 32 34

130 mm 250 mm

Code	Part No.	Image	Qty	Case	Accessories	Dimensions	Weight
S.151-2P6	S.151B		6	BP.MBOXM	PL.M02	329 x 219 x 59 mm	2.970
S.151-2P12	S.151B		12	BP.MBOXM	PL.M02	329 x 219 x 59 mm	2.970
S.161-2P6	S.161B		6	BP.MBOXM	PL.M02	329 x 219 x 59 mm	2.980
S.161-2P12	S.161B		12	BP.MBOXM	PL.M02	329 x 219 x 59 mm	2.980
SL.161-2P6	SL.161		6	BP.MBOXM	PL.M02	329 x 219 x 59 mm	3.020
SL.161-2P12	SL.161		12	BP.MBOXM	PL.M02	329 x 219 x 59 mm	3.020

23  
PIEZAS



6 12 8 9 10 11 12 13 14 15 16 17 18 19  
20 21 22 23 24 26 27 28 29 30 32 34

130 mm 250 mm

Code	Part No.	Image	Qty	Case	Accessories	Dimensions	Weight
S.161-3P6	S.161B		6	BP.MBOXM	PL.M01	329 x 219 x 59 mm	3.600
S.161-3P12	S.161B		12	BP.MBOXM	PL.M01	329 x 219 x 59 mm	3.600
SL.161-3P6	SL.161		6	BP.MBOXM	PL.M01	329 x 219 x 59 mm	3.640
SL.161-3P12	SL.161		12	BP.MBOXM	PL.M01	329 x 219 x 59 mm	3.640
SL.171-3P6	SL.171		6	BP.MBOXM	PL.M01	329 x 219 x 59 mm	3.705
SL.171-3P12	SL.171		12	BP.MBOXM	PL.M01	329 x 219 x 59 mm	3.705
S.360-3P6	S.360		6	BP.MBOXM	PL.M01	329 x 219 x 59 mm	3.770
S.360-3P12	S.360		12	BP.MBOXM	PL.M01	329 x 219 x 59 mm	3.770

SETS OF 1/2" METRIC MBOX SOCKETS

**26**  
PIEZAS



6 12 8 9 10 11 12 13 14 15 16 17 18 19  
20 21 22 23 24 26 27 28 29 30 32 34

130 mm 250 mm

			6 12				ΔΔ [kg]
<b>S.161-4P6</b>	S.161B		6	BP.MBOXL	PL.L02	434 x 270 x 70 mm	3.790
<b>S.161-4P12</b>	S.161B		12	BP.MBOXL	PL.L02	434 x 270 x 70 mm	3.790
<b>SL.161-4P6</b>	SL.161		6	BP.MBOXL	PL.L02	434 x 270 x 70 mm	3.830
<b>SL.161-4P12</b>	SL.161		12	BP.MBOXL	PL.L02	434 x 270 x 70 mm	3.830
<b>SL.171-4P6</b>	SL.171		6	BP.MBOXL	PL.L02	434 x 270 x 70 mm	3.895
<b>SL.171-4P12</b>	SL.161		12	BP.MBOXL	PL.L02	434 x 270 x 70 mm	3.895
<b>S.360-4P6</b>	S.360		6	BP.MBOXL	PL.L02	434 x 270 x 70 mm	3.960
<b>S.360-4P12</b>	S.360		12	BP.MBOXL	PL.L02	434 x 270 x 70 mm	3.960
<b>SXL.161-4P6</b>	SXL.161		6	BP.MBOXL	PL.L02	434 x 270 x 70 mm	5.100
<b>SXL.161-4P12</b>	SXL.161		12	BP.MBOXL	PL.L02	434 x 270 x 70 mm	5.100

**30**  
PIEZAS



6 12 8 9 10 11 12 13 14 15 16 17 18 19  
20 21 22 23 24 26 27 28 29 30 32 34

130 mm 250 mm

			6 12				ΔΔ [kg]
<b>S.161-5P6</b>	S.161B		6	BP.MBOXL	PL.L03	434 x 270 x 70 mm	5.755
<b>S.161-5P12</b>	S.161B		12	BP.MBOXL	PL.L03	434 x 270 x 70 mm	5.755
<b>SL.161-5P6</b>	SL.161		6	BP.MBOXL	PL.L03	434 x 270 x 70 mm	5.795
<b>SL.161-5P12</b>	SL.161		12	BP.MBOXL	PL.L03	434 x 270 x 70 mm	3.795



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SETS OF 1/2" INCH MBOX SOCKETS

15  
PIECES



6 12 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' 3/16 1' 1/4

130 mm 250 mm

			6 12				ΔΔ [kg]
<b>S.161-1P6U</b>	S.161B		6	BP.MBOXM	PL.M05	329 x 219 x 59 mm	2.645
<b>S.161-1P12U</b>	S.161B		12	BP.MBOXM	PL.M05	329 x 219 x 59 mm	2.645
<b>SL.161-1P6U</b>	SL.161		6	BP.MBOXM	PL.M05	329 x 219 x 59 mm	2.685
<b>SL.161-1P12U</b>	SL.161		12	BP.MBOXM	PL.M05	329 x 219 x 59 mm	2.685

22  
PIECES



6 12 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' 3/16 1' 1/4

130 mm 250 mm

			6 12				ΔΔ [kg]
<b>S.161-2P6U</b>	S.161B		6	BP.MBOXL	PL.L05	434 x 270 x 70 mm	4.410
<b>S.161-2P12U</b>	S.161B		12	BP.MBOXL	PL.L05	434 x 270 x 70 mm	4.410
<b>SL.161-2P6U</b>	SL.161		6	BP.MBOXL	PL.L05	434 x 270 x 70 mm	4.450
<b>SL.161-2P12U</b>	SL.161		12	BP.MBOXL	PL.L05	434 x 270 x 70 mm	4.450

25  
PIECES



6 12 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' 3/16 1' 1/4

130 mm 250 mm

			6 12				ΔΔ [kg]
<b>S.161-3P6U</b>	S.161B		6	BP.MBOXL	PL.L06	434 x 270 x 70 mm	5.115
<b>S.161-3P12U</b>	S.161B		12	BP.MBOXL	PL.L06	434 x 270 x 70 mm	5.115
<b>SL.161-3P6U</b>	SL.161		6	BP.MBOXL	PL.L06	434 x 270 x 70 mm	5.155
<b>SL.161-3P12U</b>	SL.161		6	BP.MBOXL	PL.L06	434 x 270 x 70 mm	5.155

SETS OF 1/2" METRIC AND INCH MBOX SOCKETS

Socket		S.447ADP	S.446ADP	S.851	S.850	S.450EP	S.450UP
mm   inch		S.161B mm Standard	S.161B mm Standard	S.161B mm Standard	S.161B mm Standard	S.161B + S.156 mm Std + long	S.161B + S.156 Inch Std + long
	8	•	•	•	•	•	•
	9	•	•	•	•	•	•
	10	•	•	•	•	•	•
	11	•	•	•	•	•	•
	12	•	•	•	•	•	•
	13	•	•	•	•	•	•
	14	•	•	•	•	•	•
	15	•	•	•	•	•	•
	16	•	•	•	•	•	•
	17	•	•	•	•	•	•
	18	•	•	•	•	•	•
	19	•	•	•	•	•	•
	20	•	•	•	•	•	•
	21	•	•	•	•	•	•
	22	•	•	•	•	•	•
	23	•	•	•	•	•	•
24	•	•	•	•	•	•	
26	•	•	•	•	•	•	
27	•	•	•	•	•	•	
28	•	•	•	•	•	•	
29	•	•	•	•	•	•	
30	•	•	•	•	•	•	
32	•	•	•	•	•	•	
	EP			•	•		
	+			•	•		
				•	•		
	EH			•	•		
	30 mm : 70 mm			•	•		
	5	•	•	•	•		
	6	•	•	•	•		
	7	•	•	•	•		
	8	•	•	•	•		
	ED			•	•		
	+			•	•	•	•
				•	•		
				•	•		
	ES			•	•		
	5,5			•	•		
	6,5			•	•		
	8			•	•		
	10			•	•		
	EXR			•	•		
	+			•	•		
				•	•		
				•	•		
				•	•		
				•	•		
	S.210	•	•	•	•	•	•
	S.215	•	•	•	•	•	•
	S.240A	•	•	•	•	•	•
	S.120A	•	•	•	•	•	•
	S.236	•	•	•	•	•	•
	S.237	•	•	•	•	•	•
	S.110	•	•	•	•	•	•
	S.141A	•	•	•	•	•	•
S.234	•	•	•	•	•	•	
		PL.L07		PL.L08		PLT.11, PL.23A, PL.24A	
		BP.MBOXL		BT.108		PLT.11, PL.23A, PL.25A	
		434 x 270 x 70 mm		452 x 284 x 111 mm			
		5,075 Kg		4,540 Kg		14,750 Kg   13,350 Kg	



















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SETS OF 1/2" METRIC MBOX SOCKETS

		 S.401B	 S.400B	 S.405AE	 S.404AE	 STM.J9A	 AMEX.3A
		 TORX®					 TORX®
Socket	mm	Standard	Standard	Long	Long	Hexagonal bit socket	TORX® bit socket
	8	•	•				
	9	•	•				
	10	•	•				
	11	•	•				
	12	•	•	•	•		
	13	•	•	•	•		
	14	•	•	•	•		
	15	•	•	•	•		
	16	•	•	•	•		
	17	•	•	•	•		
	18	•	•	•	•		
	19	•	•	•	•		
	20						
	21	•	•	•	•		
	22	•	•	•	•		
	23	•	•	•	•		
	24	•	•	•	•		
	25						
	26	•	•	•	•		
	27	•	•	•	•		
	28	•	•				
	29	•	•				
	30	•	•	•	•		
	32	•	•	•	•		
	STM						
	5					•	
	6					•	
	7					•	
	8					•	
	10					•	
	12					•	
	14					•	
	17					•	
	19					•	
	SXM						
	T20						•
	T25						•
	T27						•
	T30						•
	T40						•
	T45						•
	T50						•
	T55						•
	T60						•
		PL.M04 BP.MBOXM 329 x 219 x 59 mm 2,900 Kg		PL.L09 BP.MBOXL 434 x 270 x 70 mm 4,620 Kg		PL.S02 BP.MBOXS 210 x 139 x 59 mm 1,150 Kg	0,970 Kg

S.401B  
S.400B



S.405AE  
S.404AE











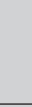

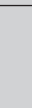


STM.J9A



AMEX.3A



SETS OF 1/4" AND 1/2" METRIC MBOX SOCKETS

Socket		mm	RSX.427AP	RS.161-1	RS.360-1	RS.161-2	
			R.161B S.161B Torx Torx Standard	R.161B S.161B 6 1/4" 1/2" Standard	R.360 S.161B 6 1/4" 1/2" Standard	R.161B S.161B 6 1/4" 1/2" Standard	
	mm	5,5		•	•	•	
		6		•	•	•	
		7			•	•	•
		8			•	•	•
		9			•	•	•
		10			•	•	•
		11				•	•
		12			•	•	•
		13				•	•
		14				•	•
		15				•	•
		16				•	•
		17				•	•
		18				•	•
		19				•	•
21				•	•		
22				•	•		
24				•	•		
27				•	•		
30				•	•		
32				•	•		
	Torx socket 1/4" STX	E4	•				
		E5	•				
		E6	•				
		E7	•				
		E8	•				
	Torx socket 1/2" STX	E10	•				
		S12	•				
		E14	•				
		E16	•				
		E18	•				
	EP	1			•		
		2			•		
		3			•		
	EH	3			•		
		4			•		
		5			•		
		mm	6			•	
	ED	7			•		
		1			•		
		2			•		
	ES	3			•		
		4,5			•		
	EX Torx - EXR Résistox	8			•		
		T8	•				
		T10	•				
		TT10	•				
		T15	•				
		TT15	•				
		T20	•				
		TT20	•				
	T25 TT25 T27 TT27 T30 TT30 T40 TT40		•		•		
			•		•		
			•		•		
			•		•		
	R.209 R.210 R.240A R.235 R.236A AM.H S.210 S.240A		•		•		
			•		•		
			•		•		
			•		•		
			•		•		
			•		•		
			•		•		
	PL.M24						
	PL.M25 BP.MBOXM						
	PL.L16 BP.MBOXL						
			329 x 219 x 59 mm 2,100 Kg	329 x 215 x 59 mm 2,890 Kg	329 x 215 x 59 mm 2,950 Kg	434 x 270 x 70 mm 4,020 Kg	

RSX.427AP



RS.161-1



RS.360-1




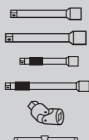

RS.161-2



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1/2" MODULES IN THERMOFORMED TRAYS METRIC

		MOD.S161-36	MOD.SL161-36	MOD.S161-46	MOD.SL161-46
		S.161B	SL.161	S.161B	SL.161
		Standard	Standard	Standard	Standard
	mm				
	8	•	•	•	•
	9	•	•	•	•
	10	•	•	•	•
	11	•	•	•	•
	12	•	•	•	•
	13	•	•	•	•
	14	•	•	•	•
	15	•	•	•	•
	16	•	•	•	•
	17	•	•	•	•
	18	•	•	•	•
	19	•	•	•	•
	21	•	•	•	•
	22	•	•	•	•
	23	•	•	•	•
24	•	•	•	•	
26					
27	•	•	•	•	
28					
29					
30	•	•	•	•	
32	•	•	•	•	
	S.210	•	•	•	•
	S.215	•	•	•	•
	S.210RC				
	S.215RC				
	S.240A	•	•	•	•
S.120A					
		PL.M01		PL.L02	
		309 x 188 mm		410 x 188 mm	
		2,985 Kg	3,025 Kg	3,680 Kg	3,720 Kg

MOD.S161-36



MOD.SL161-36











MOD.S161-46



MOD.SL161-46



1/2" MODULES IN THERMOFORMED TRAYS INCH

		MOD.S161-112U	MOD.SL161-112U	MOD.S161-212U	MOD.SL161-212U
Socket	 inch	S.161B Standard	SL.161 Standard	S.161B Standard	SL.161 Standard
					
	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				
	1 1/16				
	1 1/8				
	1 3/16				
	1 1/4				
	S.210	•	•	•	•
	S.215	•	•	•	•
	S.210RC				
	S.215RC				
	S.240A	•	•	•	•
	S.120A			•	•
		PL.M05 309 x 188 mm		PL.L05 410 x 188 mm	
		2,030 Kg	2,070 Kg	3,300 Kg	3,340 Kg

MOD.S161-112U



MOD.SL161-112U



MOD.S161-212U





MOD.SL161-212U



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1/2" MODULES IN THERMOFORMED TRAYS HEXAGONAL, TORX, XZN

		MOD.HLB	MOD.TX1A	MOD.CH	MOD.SHPA
		Torx		Hex + Torx + XZN	Hex + Torx + XZN
Socket	mm	3/8" 1/2" Long sockets	3/8" 1/2" Sockets + wrenches	3/8" 1/2" Sockets + long sockets	3/8" 1/2" Sockets + bit sockets
	7	•			
	8	•			
	9	•			
	10	•			
	11	•			
	12		•		
	13		•		
	14		•		
	15		•		
	16		•		
	17		•		
Torx sockets 3/8" JTX	E8		•	•	
	E10		•	•	
	E12		•		
	E14		•		
	E16		•		
Tox sockets 1/2" STX	E12			•	
	E14			•	
	E16			•	
	E18		•	•	
Torx wrenches 59	E6 x E8		•		
	E10 x E12		•		
	E14 x E16		•		
	E18 x E20		•		
Resistorx bits EXR.1	TT10		•		•
	TT15		•		
	TT20		•		
	TT25		•		
	TT27		•		•
	TT30		•		•
Torx bits EXR.2	T40		•		•
	T45		•		•
	T50		•		•
	T55		•		•
Hexagonal bit sockets SHP.LA	5			•	•
	6			•	•
	7			•	•
	8			•	•
Spline sockets D.34BL	10			•	•
	12			•	•
	14			•	•
	16			•	•
XZN sockets SV.LB	M6			•	•
	M8			•	•
	M10			•	•
	M12			•	•
	M14			•	•
	M16			•	•
	M18			•	•
Bit sockets SX.LA	T40			•	•
	T45			•	•
	T55			•	•
	T70			•	•
	R.235		•		
	J.235		•		
	S.236		•		
		PL.M06	PL.M08	PL.663	PL.336A
		309 x 188 x 55 mm		410 x 188 x 55 mm	
		1,445 Kg	1,100 Kg	2,750 Kg	2,150 Kg

MOD.HLB



MOD.TX1A







MOD.CH



MOD.SHPA



1/2" MODULES IN THERMOFORMED TRAYS METRIC

		MODM.S161-36	MODM.SL161-36	MODM.SL171-36	MODM.S1A	MODM.SL1
 Socket	mm	S.161B	SL.161	SL.171	S.161B	SL.161
		6 mm Standard	6 mm Standard	6 mm Standard	6 mm Standard	6 mm Standard
	8	•	•	•	•	•
	9	•	•	•	•	•
	10	•	•	•	•	•
	11	•	•	•	•	•
	12	•	•	•	•	•
	13	•	•	•	•	•
	14	•	•	•	•	•
	15	•	•	•	•	•
	16	•	•	•	•	•
	17	•	•	•	•	•
	18	•	•	•	•	•
	19	•	•	•	•	•
	21	•	•	•	•	•
	22	•	•	•	•	•
	23	•	•	•	•	•
	24	•	•	•	•	•
	26	•	•	•	•	•
27	•	•	•	•	•	
28						
29						
30	•	•	•	•	•	
32	•	•	•	•	•	
 S.210 S.215 S.210RC S.215RC  S.240A S.120A	S.210	•	•	•	•	•
	S.215	•	•	•	•	•
	S.210RC			•		
	S.215RC			•		
	S.240A	•	•	•	•	•
S.120A				•	•	
PM.MODS161-3				PM.MODS1A		
410 x 188 x 55 mm						
		2,840 Kg	2,880 Kg	3,030 Kg	3,150 Kg	3,190 Kg

MOD.S161-36



MOD.SL161-36



MOD.SL1








FLUO

RFid



SOCKETS 1/2"

1/2" MODULES IN FOAM TRAYS INCH

		MODM.S161-212U	MODM.SL161-212U
Socket		S.161B	SL.161
	inch	Standard	Standard
	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	•	•
	1'1/16	•	•
	1'1/8	•	•
1'3/16	•	•	
1'1/4	•	•	
	J.210	•	•
	J.215	•	•
	J.210RC		
	J.215RC		
	J.240A	•	•
	J.120A	•	•
		PM.MODS161-2U	
		410 x 188 x 55 mm	
		1,450 Kg	1,490 Kg

MODM.S161-212U





MODM.SL161-212U



Sets of 1/2" sockets in metallic rack

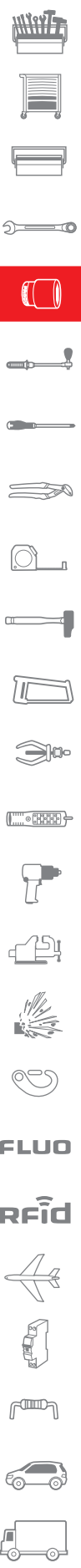


	A ["]	A [mm]		Torx [No]	Contents	Qtés	ΔΔ [kg]
S.40E		S. 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16	12		CKS.95	9	0,560
S.41E		S. 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24	12		CKS.95	8	0,790
S.40U		S. 3/8" - 7/16" - 1/2" - 9/16" - 19/32" - 5/8"	12		CKS.97	21	0,475
S.41U		S. 11/16" - 3/4" - 13/16" - 7/8" - 15/16" - 1"	12		CKS.95	22	0,645
STX.40			HCI	STX. E12 - E14 - E16 - E18 - E20	CKS.90	5	0,385



1/2" MODULES IN FOAM TRAYS, METRIC, HEXAGONAL, TORX, XZN

		MODM.HLA		MODM.CHA		MODM.SHP	
		3/8" 1/2" Long sockets		Hex + Torx + XZN 3/8" 1/2" Sockets + long sockets		Hex + Torx + XZN 1/2" Sockets + bit sockets	
Socket	mm						
	7	•					
	8	•					
	9	•					
	10	•					
	11	•					
	12			•			
	13			•			
	14			•			
	15			•			
	16			•			
	17			•			
18			•				
19			•				
Douilles Torx 1/4" RTX	E8			•			
	Sockets Torx 3/8" JTX	E8		•			
	E10			•			
	E12						
	E14						
	E16						
	Sockets Torx 1/2" STX	S12			•		
	E14				•		
	E16				•		
	E18				•		
	E20				•		
Hexagonal bit sockets STM	5					•	
	6					•	
	7					•	
	8					•	
	10					•	
	12					•	
	14					•	
Hexagonal bit sockets SHP.LA	5				•	•	
	6				•	•	
	7				•	•	
	8				•	•	
	10				•	•	
Bit sockets XZN SVLB	M6				•		
	M8				•		
	M10				•		
	M12				•		
	M14				•		
	M16				•		
Bit sockets SX.LA	T40				•		
	T45				•		
	T55				•		
	T70				•		
		PM.MODHLA		PM.MODCHAIM17		PM.SHP	
		410 x 188 x 55 mm		410 x 188 x 55 mm		410 x 188 x 55 mm	
		1,385 Kg		2,580 Kg		1,480 Kg	



MAINTENANCE OF 1/2" RATCHETS



<input checked="" type="checkbox"/>	151 style 151B style	161 style 161B style
1/2" 12.7 mm	S.151B-KIT : S.151, S.151B, S.154	S.161B-KIT : S.161, S.161B, S.143A, S.153A, S.155A, S.157A, S.158A

RATCHETS 1/2"

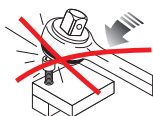
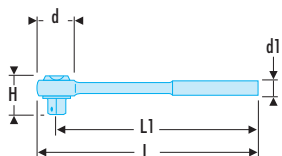
1/2" fast action twist handle ratchet



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

1/2" fast action twist handle ratchet

- 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.



Part No.	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.360	45	37	41	251	230	570

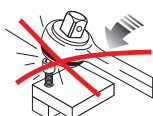
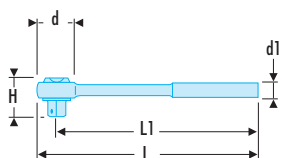
1/2" maintenance free pear head locking ratchet



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

1/2" maintenance free pear head locking ratchet

- Socket locking and quick release system.
- 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.
- Finish: bright chrome.
- Présentation : chromée brillante.



Part No.	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SL.171	37	32	37	262	245	450

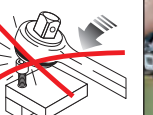
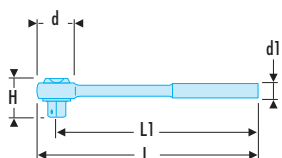
1/2" maintenance free pear head ratchet



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

1/2" maintenance free pear head ratchet

- 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.
- Présentation : chromée brillante.



Part No.	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SL.161	37	32	37	262	245	445

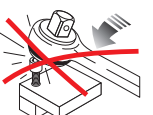
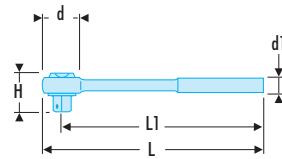
High performance sealed 1/2" ratchet



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

High performance sealed 1/2" ratchet

- Very long durability regardless of working conditions. Mechanism sealed to industrial dust.
- 72 tooth mechanism for 5° increments.
- Reversing by rotating cap.
- Ultra-compact head.
- Bi-material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Hole in the handle for strapping when working in high places.
- Easy maintenance: spare parts kit S.161B-KIT.
- Finish: chromed.



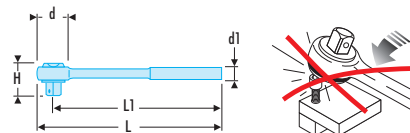
Part No.	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.161B	38,5	18,1 / 33,1	38,2	260	244	410

Original 1/2" ratchet

- 72 tooth mechanism for 5° increments.
- Reversing by rotating cap.
- Ultra-compact head.
- Single material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Hole in the handle for strapping when working in high places.
- Easy maintenance: spare parts kit S.151B-KIT.
- Finish: mat chrome.



	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>S.151B</b>	38,5	31,3 / 33,7	38,2	260	244	400

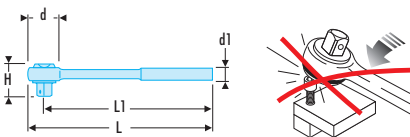


Long-reach 1/2" ratchet

- 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]
<b>S.154</b>	40	30	40	404	38	780



1/2" extendable ratchet

- 1 ratchet instead of 2.
- Short setting: standard use, easy storage.
- Long setting: more torque, less effort.
- Easy to use & strong extension mechanism.
- Watertight: no maintenance.
- High accuracy: 72 teeth, 5° increments.
- Présentation : chromée satinée.



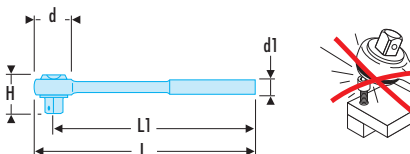
	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>SXL.161</b>	37	38	37	264	397	720

Flexible head 1/2" locking extendable ratchet

- 2 in 1 extendable ratchet. Standard use and easy storage in closed position. More torque, less effort and maximum accessibility when used lying.
- Total length 304 to 437 mm. 8 settings positions with secured extension mechanism.
- 180° hinged head and socket locking: allows to keep position with an already engaged socket.
- Extended lifetime whatever the working conditions. No service needed. Dust proof.
- 72 teeth mechanism for 5° increments.
- Socket locking system : prevents tools loss in machines.
- Ring reversing : easy to use even with a gloved hand. Allows viewing rotating direction
- "Hand palm" system allows pressing the head while tightening avoiding accidental reversal of rotating direction.
- Ultra compact head.
- Bi material elastomer handle : high resistance to abrasion and solvents in the most severe conditions: fuel, diesel, gasoline, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- FME compatible hanging system.
- Chrome Satin finish.

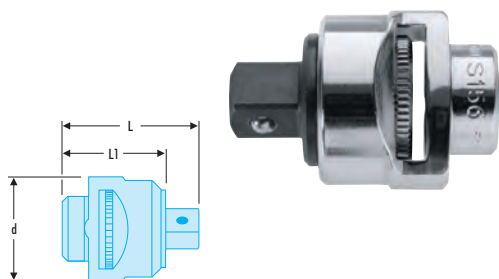


	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>SXL.171</b>	37	38	37	304	437	830



ACCESSORIES 1/2"

1/2" offset ratchet

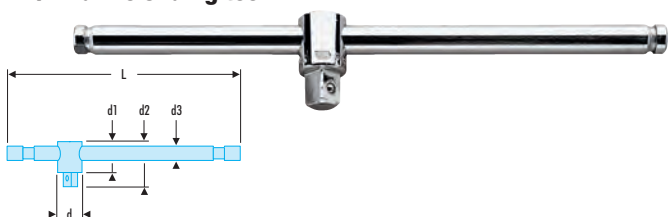


- Female square drive bit 1/2".
- Male square drive bit 1/2".
- Increment: 5°.
- Finish: bright chrome with phosphate-hardened square drive.



🔧	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>S.156</b>	39	59	41	230

1/2" drive sliding tee



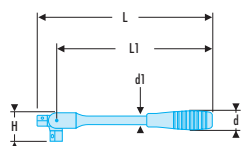
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 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]
<b>S.120A</b>	24	29	45	14	275	275

1/2" drive hinged handle



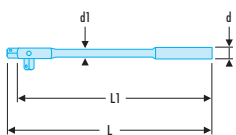
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 180° hinged and secured head to maintain the position even with a socket engaged.
- Bi-material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.



🔧	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>S.141A</b>	31	14	41	381	349,5	595

1/2" drive metal-grip hinged handle



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

- 180° hinged and secured head to maintain the position even with a socket engaged.
- Metal handle with knurled handle.



🔧	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>S.145</b>	20	15	410	392	740

Hinged extendable handle 1/2"



- 1 handle instead of 2.
- Short setting: standard use, easy storage.
- Long setting: more torque, less effort.
- Easy to use & strong extension mechanism.

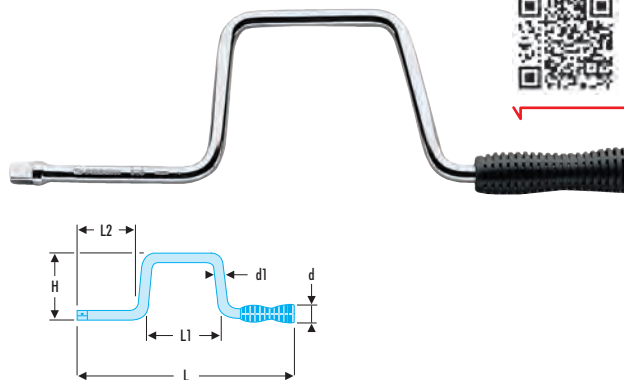


🔧	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>SXL.180</b>	54	246	280 / 413	660

1/2" drive speed brace

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

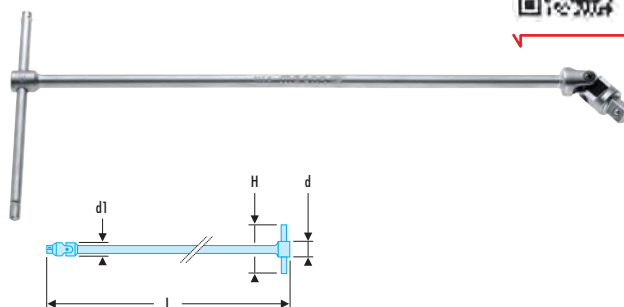
- Significant time-savings whenever space allows.
- PVC rotating handle.
- Finish: bright chrome.



Icon	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

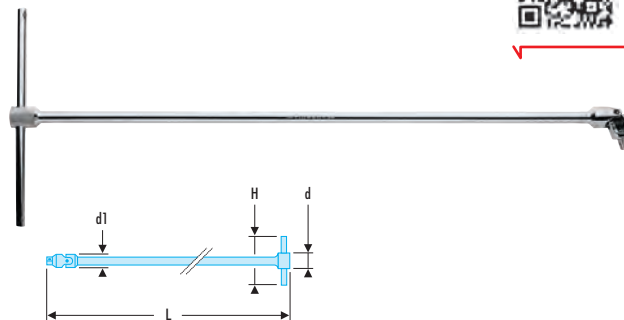
- Universal joint for high torques.
- Finish: bright chrome.



Icon	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.

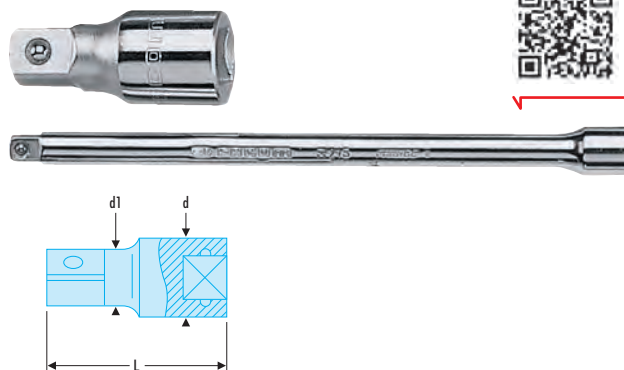


Icon	d [mm]	d1 [mm]	H [mm]	L [mm]	ΔΔ [g]
S.228	24	25	240	700	1200

S - 1/2" drive extensions

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

- Finish: bright chrome.



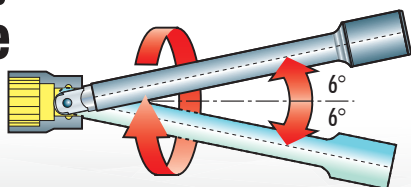
Icon	d [mm]	d1 [mm]	L [mm]	Square ["]	ΔΔ [g]
S.206	23	16,5	52,5	1/2	90
S.208	23	16,5	75	1/2	130
S.210	23	16,5	130	1/2	225
S.215	23	16,5	250	1/2	420
S.217	23	16,5	500	1/2	840



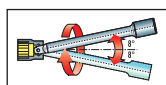
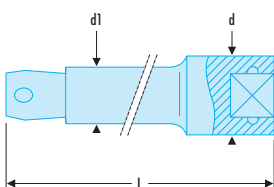
ACCESSORIES 1/2"

WOBBLE EXTENSION

Hard to access with a socket or universal joint?  
Use a wobble extension!



S.S - 1/2" wobble drive extensions

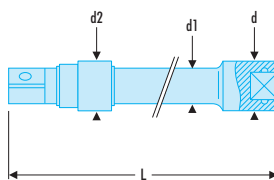


- Square drive rounded profile gives 8° working angle.
- Useful where access is limited.
- Finish: bright chrome.

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



S.RC - 1/2" drive locking extensions



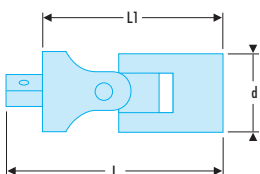
NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- 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.

	d [mm]	d1 [mm]	d2 [mm]	L [mm]	Square ["]	ΔΔ [g]
<b>S.210RC</b>	23	16,5	23	130	1/2	250
<b>S.215RC</b>	23	16,5	23	250	1/2	450
<b>S.217RC</b>	23	16,5	23	500	1/2	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.

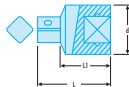
	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>S.240A</b>	25	68.2	52.2	150



1/2" to 3/8" coupler

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

- Double 3/8" coupler
- Permet l'utilisation de douilles et accessoires 3/8".
- Max torque: 212 N.m.
- Finish: bright chrome.

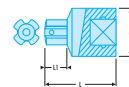


Part No.	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.230	23	33,5	23	55

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.

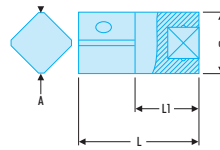


Part No.	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.231	22	37	12	65

1/2" to 3/4" coupler

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

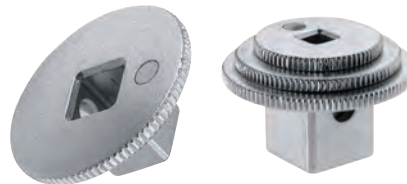
- 1/2" female to 3/4" male square drive with plunger.
- For adapting sockets and accessories 3/4".
- Male square drive with plunger for positive locking of sockets and accessories.
- Finish: satin chrome.



Part No.	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.232B	25	49	26	135

Set of 3 couplers

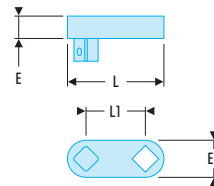
- Allows use of square drivers smaller than socket drive sizes:
  - 1/4" square drive + D.169RJ --> 3/8" socket (ø 1/4" : 28,7 - R 1/4" : 13 mm).
  - 3/8" square drive + D.169JS --> 1/2" socket (ø 3/8" : 37,8 - R 3,8" : 16 mm).
  - 1/2" square drive --> 3/4" socket (ø 1/4" : 43,9 - R 1/8" : 22).
- Compactness 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.



Part No.	ΔΔ [g]
D.169	100

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.

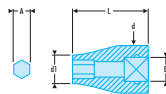


Part No.	E [mm]	E1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.234	15	25	65	40	165

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 No.	A ["]	d [mm]	d1 [mm]	L [mm]	Square ["]	ΔΔ [g]
S.236	5/16	23,0	14	36	1/2	54
S.237	1/2	23	20,5	44	1/2	70

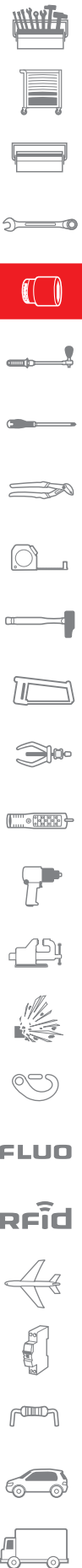
1/2" drive lock-ring bit holder

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.



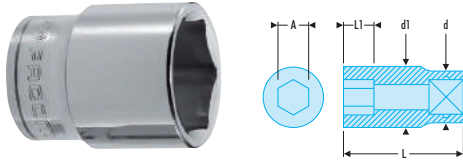
Part No.	A ["]	L [mm]	Square ["]	ΔΔ [g]
EFS	1/4	50	1/2	90





SOCKETS 1/2"

S.H - 1/2" metric 6-point sockets

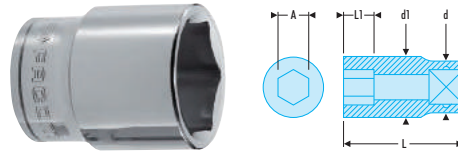


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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

Size	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
S.8H	8	22.8	13.1	36	6.5	6	45
S.9H	9	22.8	13.8	36	6.5	6	50
S.10H	10	22.8	15.3	36	7.8	6	50
S.11H	11	22.8	16.5	36	9.0	6	50
S.12H	12	22.8	17.8	36	9.5	6	50
S.13H	13	22.8	18.9	36	10.4	6	50
S.14H	14	22.8	20.2	36	10.5	6	55
S.15H	15	22.8	21.4	36	12.0	6	55
S.16H	16	21.6	22.6	36	12.0	6	55
S.17H	17	23.1	24.1	36	13.0	6	65
S.18H	18	23.4	25.5	36	13.0	6	70
S.19H	19	24.6	26.6	36	14.0	6	75
S.20H	20	25.4	27.4	36	14.0	6	80
S.21H	21	25.1	29.1	38	16.0	6	85
S.22H	22	26.4	30.4	38	16.5	6	95
S.23H	23	27.6	31.6	38	16.5	6	105
S.24H	24	28.7	32.7	38	16.5	6	115
S.25H	25	27.7	34.1	38	16.5	6	125
S.26H	26	29.0	35.4	38	16.5	6	135
S.27H	27	29.2	36.6	44	19.0	6	160
S.28H	28	30.5	37.9	44	20.0	6	175
S.29H	29	31.3	38.7	44	20.0	6	190
S.30H	30	33.0	40.4	44	20.0	6	200
S.31H	31	34.2	41.6	44	20.0	6	205
S.32H	32	35.1	42.6	44	20.0	6	210
S.34H	34	37.5	44.9	44	20.0	6	240

S.H - 1/2" inch 6-point sockets

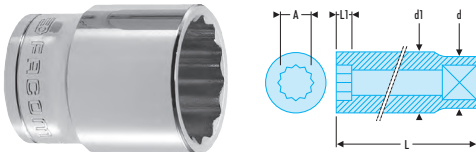


ASME B107.1

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

Size	A ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
S.3/8H	3/8	22.8	14.7	36	7.8	6	50
S.7/16H	7/16	22.8	16.5	36	9.0	6	50
S.1/2H	1/2	22.8	18.9	36	10.4	6	50
S.9/16H	9/16	22.8	20.2	36	10.5	6	50
S.19/32H	19/32	22.8	21.4	36	12.0	6	55
S.5/8H	5/8	21.6	22.6	36	12.0	6	60
S.21/32H	21/32	23.1	24.1	36	13.0	6	60
S.11/16H	11/16	22.6	24.6	36	13.0	6	65
S.3/4H	3/4	25.0	27.0	36	14.0	6	75
S.25/32H	25/32	25.9	27.9	36	14.0	6	80
S.13/16H	13/16	24.6	28.6	38	16.0	6	80
S.7/8H	7/8	26.4	30.4	38	16.5	6	90
S.15/16H	15/16	28.7	32.7	38	16.5	6	115
S.31/32H	31/32	27.7	34.1	38	16.5	6	115
S.1PH	1	28.3	34.7	38	16.5	6	120
S.1P1/16H	1 1/16	29.2	36.6	44	19.0	6	150
S.1P1/8H	1 1/8	31.3	38.7	44	20.0	6	170
S.1P3/16H	1 3/16	33.0	40.4	44	20.0	6	180
S.1P1/4H	1 1/4	35.1	42.5	44	20.0	6	205

S - 1/2" inch 12-point sockets

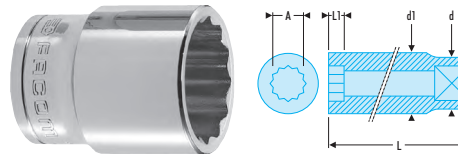


ASME B107.1

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

Size	A ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
S.3/8	3/8	22.8	14.7	36	7.8	12	50
S.7/16	7/16	22.8	16.5	36	9.0	12	50
S.1/2	1/2	22.8	18.9	36	10.4	12	50
S.9/16	9/16	22.8	20.2	36	10.5	12	50
S.19/32	19/32	22.8	21.4	36	12.0	12	55
S.5/8	5/8	21.6	22.6	36	12.0	12	60
S.21/32	21/32	23.1	24.1	36	13.0	12	60
S.11/16	11/16	22.6	24.6	36	13.0	12	65
S.3/4	3/4	25.0	27.0	36	14.0	12	75
S.25/32	25/32	25.9	27.9	36	14.0	12	80
S.13/16	13/16	24.6	28.6	38	16.0	12	80
S.7/8	7/8	26.4	30.4	38	16.5	12	90
S.15/16	15/16	28.7	32.7	38	16.5	12	115
S.31/32	31/32	27.7	34.1	38	16.5	12	115
S.1'	1	28.3	34.7	38	16.5	12	120
S.1'1/16	1 1/16	29.2	36.6	44	19.0	12	150
S.1'1/8	1 1/8	31.3	38.7	44	20.0	12	170
S.1'3/16	1 3/16	33.0	40.4	44	20.0	12	180
S.1'1/4	1 1/4	35.1	42.5	44	20.0	12	205

S - 1/2" metric 12-point sockets

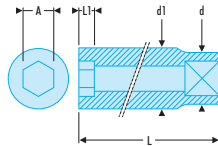


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- 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).

Size	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
S.8	8	22.8	13.1	36	6.5	12	45
S.9	9	22.8	13.8	36	6.5	12	50
S.10	10	22.8	15.3	36	7.8	12	50
S.11	11	22.8	16.5	36	9.0	12	50
S.12	12	22.8	17.8	36	9.5	12	50
S.13	13	22.8	18.9	36	10.4	12	50
S.14	14	22.8	20.2	36	10.5	12	55
S.15	15	22.8	21.4	36	12.0	12	55
S.16	16	21.6	22.6	36	12.0	12	55
S.17	17	23.1	24.1	36	13.0	12	65
S.18	18	23.4	25.5	36	13.0	12	70
S.19	19	24.6	26.6	36	14.0	12	75
S.20	20	25.4	27.4	36	14.0	12	80
S.21	21	25.1	29.1	38	16.0	12	85
S.22	22	26.4	30.4	38	16.5	12	95
S.23	23	27.6	31.6	38	16.5	12	105
S.24	24	28.7	32.7	38	16.5	12	115
S.25	25	27.7	34.1	38	16.5	12	125
S.26	26	29.0	35.4	38	16.5	12	135
S.27	27	29.2	36.6	44	19.0	12	160
S.28	28	30.5	37.9	44	20.0	12	175
S.29	29	31.3	38.7	44	20.0	12	190
S.30	30	33.0	40.4	44	20.0	12	200
S.31	31	34.2	41.6	44	20.0	12	205
S.32	32	35.1	42.6	44	20.0	12	210
S.34	34	37.5	44.9	44	20.0	12	240

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

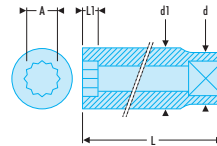


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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

⇒	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
S.12HLA	12	21,8	17,8	77	12	6	105
S.13HLA	13	21,8	19,0	77	12	6	115
S.14HLA	14	21,8	20,3	77	15	6	120
S.15HLA	15	21,8	21,5	77	15	6	125
S.16HLA	16	22,0	22,8	77	15	6	130
S.17HLA	17	23,0	24,0	77	15	6	140
S.18HLA	18	24,0	25,0	77	18	6	160
S.19HLA	19	25,0	26,5	77	18	6	160
S.21HLA	21	27,0	29,0	77	18	6	200
S.22HLA	22	28,0	30,0	77	21	6	215
S.23HLA	23	29,0	31,5	77	21	6	235
S.24HLA	24	30,0	32,8	77	24	6	255
S.26HLA	26	32,0	35,0	77	24	6	280
S.27HLA	27	33,0	36,5	77	27	6	310
S.28HLA	28	34,0	37,8	77	27	6	330
S.29HLA	29	35,0	39,0	77	27	6	355
S.30HLA	30	36,0	40,0	77	30	6	355
S.32HLA	32	38,0	42,8	77	33	6	410

■ 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, A SME B107.5

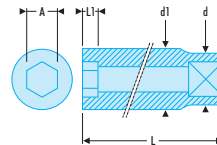
- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

⇒	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
S.12LA	12	21,8	17,8	77	12	12	105
S.13LA	13	21,8	19,0	77	12	12	115
S.14LA	14	21,8	20,3	77	15	12	120
S.15LA	15	21,8	21,5	77	15	12	125
S.16LA	16	22,0	22,8	77	15	12	130
S.17LA	17	23,0	24,0	77	15	12	140
S.18LA	18	24,0	25,0	77	18	12	160
S.19LA	19	25,0	26,5	77	18	12	160
S.21LA	21	27,0	29,0	77	18	12	200
S.22LA	22	28,0	30,0	77	21	12	215
S.23LA	23	29,0	31,5	77	21	12	235
S.24LA	24	30,0	32,8	77	24	12	255
S.26LA	26	32,0	35,0	77	24	12	280
S.27LA	27	33,0	36,5	77	27	12	310
S.28LA	28	34,0	37,8	77	27	12	330
S.29LA	29	35,0	39,0	77	27	12	355
S.30LA	30	36,0	40,0	77	30	12	355
S.32LA	32	36,0	42,8	77	33	12	410

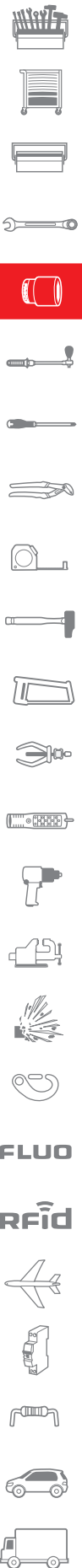
■ S.LA - 1/2" inch 12-point sockets

ASME B107.1

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

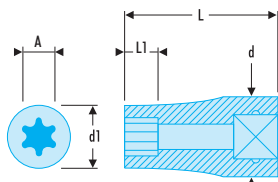


⇒	A ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
S.1/2LA	1/2	22,3	19,0	82,2	8,1	12	135
S.9/16LA	9/16	22,3	20,6	82,2	9,6	12	140
S.5/8LA	5/8	22,3	22,3	82,2	10,9	12	150
S.11/16LA	11/16	24,4	24,4	82,2	10,9	12	160
S.3/4LA	3/4	26,9	26,9	82,2	12,4	12	165
S.13/16LA	13/16	28,7	28,7	82,2	12,9	12	175
S.7/8LA	7/8	30,2	30,2	82,2	14,0	12	200
S.15/16LA	15/16	31,7	31,7	82,2	15,0	12	225
S.1PLA	1	33,3	33,3	82,2	15,2	12	255
S.1P1/16LA	1 1/16	36,5	36,5	82,2	16,0	12	320
S.1P1/8LA	1 1/8	38,1	38,1	82,2	16,7	12	350
S.1P1/4LA	1 1/4	42,9	42,9	82,2	16,7	12	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).



Ref	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	Torx [No]	No.	ΔΔ [g]
STX.12	10,95	21	15,0	37	8,0	E12	E12	50
STX.14	12,67	21	16,3	37	8,8	E14	E14	50
STX.16	14,70	22	18,8	37	9,6	E16	E16	60
STX.18	16,38	22	20,4	37	11,1	E18	E18	60
STX.20	18,16	22	22,9	37	12,7	E20	E20	65
STX.24	21,84	22	26,5	37	16,1	E24	E24	100

SCREWDRIVER SOCKETS 1/2"

21-piece set of 1/4" and 1/2" Torx® sockets and bits



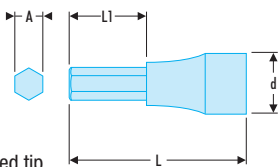
Comprises:

- 4 x 1/4" Torx® sockets: RTX. E6 - E7 - E8 - E10.
- 5 x 1/2" Torx® sockets: STX. E10 - E14 - E16 - E18 - E20.
- 1 x 1/4" socket bit holder with retaining pin - standard for 1/4" bits - 6.35 mm: R.235.
- 1 x 1/2" socket bit holder with retaining pin - standard for 5/16" bits - 7.94 mm: S.236.
- 7 x bits - 1/4" drive bit - 6.35 mm - L 25 mm:
  - EXR.1 for Resistorx® screws: TT 10 - TT 15 - TT 20 - TT 25 - TT 27 - TT 30 - TT 40.
- 3 x bits - 5/16" drive bit - 7.94 mm - L 35 mm:
  - EX.2 for Torx® screws: T 45 - T 50 - T 55.
- Empty case: BP.MBOXS.
- Thermoformed tray S (188 x 105 mm): PL.S05.



Ref	ΔΔ [kg]
RSX.19B	0,840

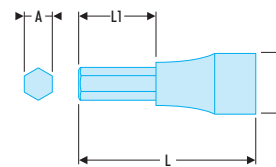
STM - 1/2" drive metric hexagon bit sockets



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

Ref	A [mm]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
STM.4	4	22,8	60	24	60
STM.5	5	22,8	60	24	60
STM.6	6	22,8	60	24	60
STM.7	7	22,8	60	24	65
STM.8	8	22,8	60	24	70
STM.10	10	22,8	60	24	80
STM.12	12	23,1	60	24	100
STM.14	14	23,1	60	24	120
STM.17	17	23,4	60	24	140
STM.19	19	23,4	60	24	160

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.

Ref	A ["]	d [mm]	L [mm]	L1 [mm]	Socket	Bits	ΔΔ [g]
ST.1/4	1/4	23	54	17	S.236	EH.201/4	70
ST.5/16	5/16	23	54	17	S.236	EH.205/16	70
ST.3/8	3/8	23	54	17	S.236	EH.203/8	75
ST.7/16	7/16	23	70	31	S.237	ENH.307/16	110
ST.1/2	1/2	23	70	31	S.237	ENH.301/2	120
ST.9/16	9/16	23	70	31	S.237	ENH.309/16	125
ST.5/8	5/8	23	70	31	S.237	ENH.305/8	145
ST.3/4	3/4	23	70	31	S.237	ENH.303/4	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.

Part No.	A [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SHP.6LA	6	100	64	80
SHP.7LA	7	100	64	80
SHP.8LA	8	100	64	80
SHP.10LA	10	140	104	135
SHP.12LA	12	100	64	145
SHP.5ELA	5	180	144	110
SHP.6EL1A	6	140	104	95
SHP.6EL2A	6	220	184	130

**■ 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).

Part No.	A [mm]	d [mm]	L [mm]	L1 [mm]	Torx [No]	ΔΔ [g]
SXM.20	3,84	22,8	60	24	T20	60
SXM.25	4,40	22,8	60	24	T25	60
SXM.27	4,96	22,8	60	24	T27	60
SXM.30	5,49	22,8	60	24	T30	60
SXM.40	6,60	22,8	60	24	T40	65
SXM.45	7,77	22,8	60	24	T45	65
SXM.50	8,79	22,8	60	24	T50	75
SXM.55	11,17	22,8	60	24	T55	95
SXM.60	13,17	23,1	60	24	T60	115

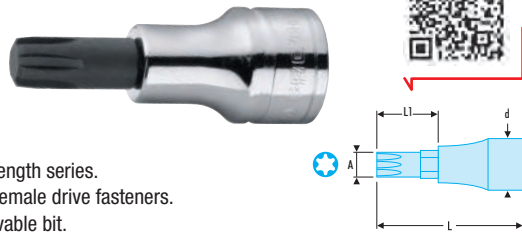
**■ SX.LA - 1/2" drive long-reach Torx® bit sockets**



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

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

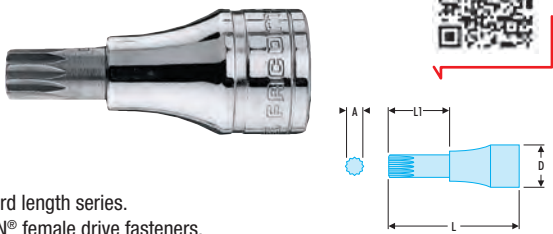
**■ D.B - Long-reach spline driver sockets**



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

Part No.	A [mm]	d [mm]	Width l [mm]	L [mm]	L1 [mm]	ΔΔ [g]
D.34B7	7	7	60	60	15	70
D.34B7L	7	7	100	100	63	120
D.34B9L	9	9	100	100	63	130
D.34B10	10	10	60	60	15	75
D.34B12L	12	12	100	100	63	140
D.34B14L	14	14	100	100	63	150
D.34B16L	16	16	100	100	63	160

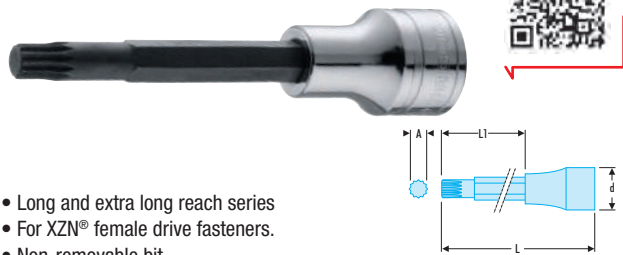
**■ SV.B - 1/2" drive XZN® spline bit sockets**



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

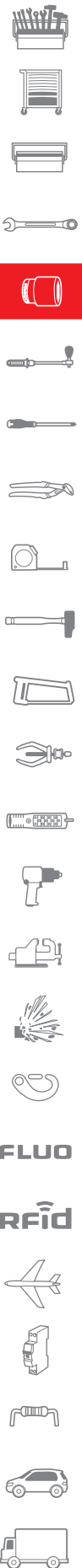
Part No.	A [mm]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SV.6B	M6	22,8	60	24	60
SV.8B	M8	22,8	60	24	60
SV.10B	M10	22,8	60	24	70
SV.12B	M12	22,8	60	24	80
SV.14B	M14	22,8	60	24	100
SV.16B	M16	23,1	60	24	110
SV.18B	M18	21,8	60	24	170

**■ 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.

Part No.	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
SV.16LB	M16	22,8	100	64	160
SV.18LB	M18	22,8	100	64	180




## SCREWDRIVER SOCKETS 1/2"

### 7-piece set of 1/2" short-reach XZN® screwdriver sockets

Comprises:

- 7 x 1/2" screwdriver sockets for XZN hollow screws - L 60 mm:  
SV.B M6 - M8 - M10 - M12 - M14 - M16 - M18.
- Empty case: BP.MBOXS.
- Thermoformed tray S (188 x 105 mm): PL.S03.

	$\Delta\Delta$ [kg]
<b>SV.J7A</b>	0,925



### 7-piece set of 1/2" long-reach XZN® screwdriver sockets

Comprises:

- 7 x 1/2" screwdriver sockets for XZN hollow screws - L 100 mm:  
SV.LB M6 - M8 - M10 - M12 - M14 - M16 - M18.
- Empty case: BP.MBOXS.
- Thermoformed tray S (188 x 105 mm): PL.S03.

	$\Delta\Delta$ [kg]
<b>SVL.J7A</b>	1,205



### 8-piece set of 1/2" short- and long-reach XZN® screwdriver sockets

Comprises:

- 4 x 1/2" screwdriver sockets for XZN hollow screws - L 60 mm:  
SV.B M6 - M8 - M10 - M12.
- 4 x 1/2" screwdriver sockets for XZN hollow screws - L 100 mm:  
SV.LB M6 - M8 - M10 - M12.
- Empty case: BP.MBOXS.
- Thermoformed tray S (188 x 105 mm): PL.S04.

	$\Delta\Delta$ [kg]
<b>SV.J8B</b>	0,945



### 6-piece set of 1/2" long-reach and extra long-reach XZN® screwdriver sockets











Comprises:

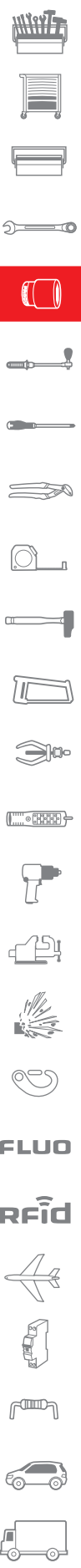
- 4 x 1/2" screwdriver sockets for XZN hollow screws - L 100 mm:  
SV.LB M6 - M8 - M10 - M12.
- 2 x 1/2" screwdriver sockets for XZN hollow screws - L 120 mm:  
SV.ELB M10 - M12.
- Empty case: BP.MBOXS.
- Thermoformed tray S (188 x 105 mm): PL.S08.

	$\Delta\Delta$ [kg]
<b>SV.LJ6B</b>	0,930



1/2" AND 3/4" SETS METRIC AND INCH DIMENSIONS

		SK.453N		SK.452N		SK.452U			
		S.161B + K.151B		S.161B + K.151B		S.161B + K.151B			
		6		12		12			
Socket type	mm / inch	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"		
		Standard sockets		Standard sockets		Standard sockets			
	mm	8	•	•					
		9	•	•					
		10	•	•					
		11	•	•					
		12	•	•					
		13	•	•					
		14	•	•					
		15	•	•					
		16	•	•					
		17	•	•					
		18	•	•					
		19	•	•					
		21	•	•					
		22	•	•		•			
		23	•	•		•			
		24	•	•		•			
		26	•	•		•			
		27	•	•		•			
		28	•	•		•			
		29	•	•		•			
30	•	•		•					
32	•	•		•					
34									
36									
41									
46									
50									
	inch	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						•	
		1'3/16						•	
		1'1/4						•	
		1'3/8						•	
1'7/16						•			
1'1/2						•			
1'5/8						•			
1'13/16						•			
2'						•			
	S.210	•		•		•			
	S.215	•		•		•			
	S.240A	•		•		•			
	S.120A	•		•		•			
	S.110	•		•		•			
	K.210B		•		•		•		
	K.215B		•		•		•		
	K.120B		•		•		•		
		P.22							
		1 x C.K422CA + 2 x CK422EA							
		BT.6A							
		468 x 190 x 160 mm							
		17,200 Kg			16,200 Kg				



FLUO

RFid

### 3/4" SOCKET SETS IN METAL RACKS

		<b>K.421N</b>	<b>K.420N</b>	<b>K.433E</b>	<b>K.432E</b>	<b>KL.411</b>	<b>KL.500</b>	<b>KL.501</b>	<b>K.437E</b>	<b>K.436E</b>
		K.151B Standard mm	K.151B Standard mm	K.151B Standard mm	K.151B Standard mm	KL.161 Standard mm	KL.161 Standard mm	KL.161 Standard mm	K.151B Standard mm	K.151B Standard mm
Socket type										
mm										
	19					•	•	•	•	•
	21					•	•	•	•	•
	22	•	•			•	•	•	•	•
	23									
	24	•	•			•	•	•	•	•
	26									
	27	•	•			•	•	•	•	•
	30	•	•	•	•	•	•	•	•	•
	32									
	33									
	34	•	•	•	•	•	•	•	•	•
	36									
	38									
	41	•	•	•	•	•	•	•	•	•
	42									
	46	•	•	•	•	•	•	•	•	•
50	•	•	•	•	•	•	•	•	•	
54										
55										
	K.210B	•	•	•	•	•	•	•	•	•
	K.215B	•	•	•	•	•	•	•	•	•
	K.240A									
	K.120B	•	•	•	•	•	•	•	•	•
		PL.42	PL.42	PL.40	PL.40	PL.438	-	-	PL.87A	
		BT.103				BV.COMPO-KA		BT.103		
		643 x 230 x 111 mm				565 x 420 x 85 mm		643 x 230 x 111 mm		
		12,900 Kg		16,300 Kg		15,200 Kg	14,900 Kg		15,500 Kg	

**K.421N**



**K.433E**



**K.420N**



**K.432E**



**KL.500**



**KL.411**



**K.436E**



**KL.501**

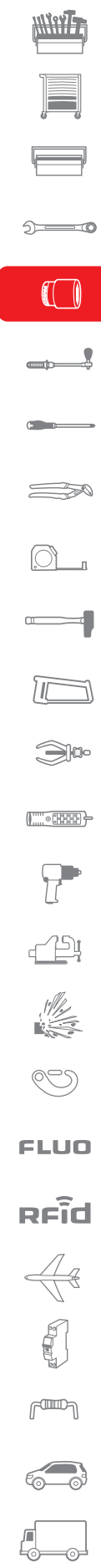


**K.437E**



SETS OF 3/4" METRIC METAL, PLASTIC AND THERMOFORMED

		<b>K.441A</b>	<b>K.442A</b>	<b>SK.453N</b>	<b>SK.452N</b>	<b>MOD.K1</b>	<b>MOD.KL2</b>	<b>K.415E</b>	<b>K.405E</b>	
		K.151B 6 Standard 3/4"	K.151B 12 Standard 3/4"	K.151B 6 Standard 1/2" 3/4"	K.151B 12 Standard 1/2" 3/4"	K.151B 6 Standard 3/4"	KL.161 6 Standard 3/4"	K.151B 6 Long 3/4"	- 6 Long 3/4"	
Socket type										
mm										
	8									
	9									
	10									
	11									
	12									
	13									
	14									
	15									
	16									
	17									
	18									
	19	•	•							
	21	•	•							
	22	•	•	•	•			•	•	
	23	•	•	•	•			•	•	
	24	•	•	•	•			•	•	
	26									
	27	•	•	•	•			•	•	
	28									
	29							•	•	
	30	•	•	•	•			•	•	
	32	•	•	•	•			•	•	
	33									
	34	•	•	•	•	•	•	•	•	
	36	•	•	•	•	•	•	•	•	
	38	•	•	•	•	•	•	•	•	
	41	•	•	•	•	•	•	•	•	
	42							•	•	
	46	•	•	•	•	•	•	•	•	
	50	•	•	•	•	•	•	•	•	
	54	•	•	•	•	•	•	•	•	
	55	•	•	•	•	•	•	•	•	
	K.210B	•	•	•	•	•	•	•	•	
	K.215B	•	•		•			•		
	K.240A	•	•				•			
	K.120B	•	•	•	•	•		•		
	K.125A	•	•							
	K.140A	•	•							
	K.230B					•				
	S.210			•	•					
	S.215			•	•					
	S.240A			•	•					
	S.120A			•	•					
	S.110			•	•					
		-	-	P.22		PL.324	PL.662A	PL.43	PL.60A	
		1 x C.K422CA + 2 x CK422EA					-	-	-	-
		BT.6A					-	BT.103G	BT.111	
		468 x 190 x 160 mm				396 x 224 x 84	410 x 188 x 84	643 x 230 x 111	396 x 224 x 82	
		17,000 Kg		17,200 Kg		7,700 Kg	7,200 Kg	16,270 Kg	9,300 Kg	










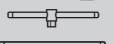

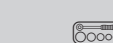
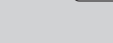
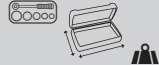


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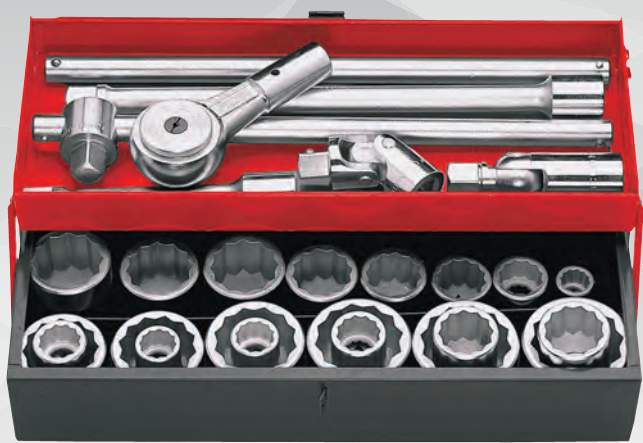
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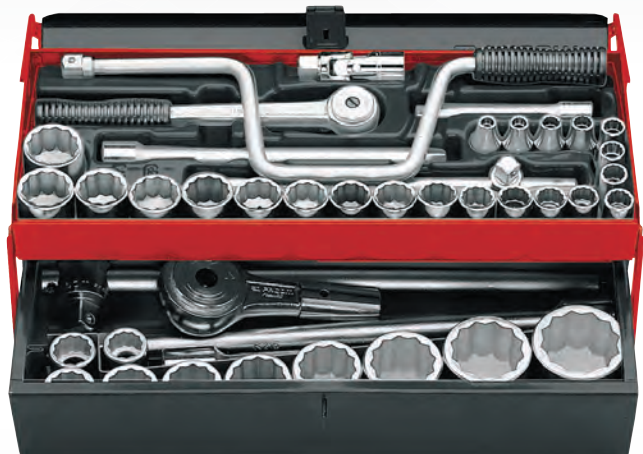
3/4" SOCKET SETS IN METAL RACKS

  <b>Socket type</b>		<b>K.442U</b> K.151B  12 Inch Standard 3/4"	<b>SK.452U</b> K.161B + K.151B  12 Inch Standard 1/2" 3/4"
	mm		
	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 3/16		•
	1 1/4	•	•
	1 5/16	•	•
	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	•	•	
       	S.210		•
	S.215		•
	S.240A		•
	S.120A		•
	S.110		•
	K.210B	•	•
	K.215B	•	•
	K.120B	•	•
K.125A	•	•	
K.140A	•	•	
	-		P22
	1 x C.K422CA + 2 x CK422EA		
BT.6A			
468 x 190 x 160 mm			
22,100 Kg		16,200 Kg	

K.442U



SK.452U



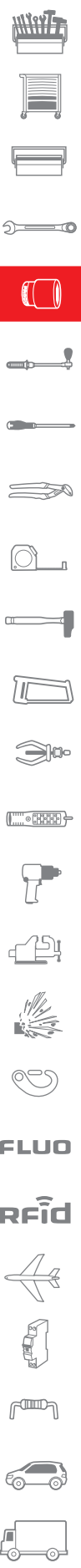
RATCHETS 3/4"

RATCHET 3/4" KL.161



**Extremely compact and lightweight ratchet for difficult access**

- One-piece ratchet and hands ergonomic grip: allows applying more strength
- Dustproof for greater lifetime
- Precision: 120 teeth mechanism for 3° increments
- Reverse lever: easy even with gloved hand.



High performance sealed 3/4" ratchet

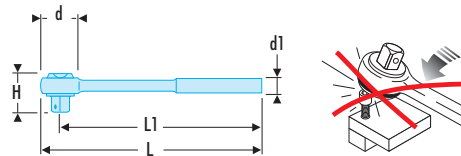


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Very long durability regardless of working conditions. Maintenance-free. Mechanism sealed to industrial dust.
- 120 tooth mechanism for 3° increments.
- Lever reversing: easy even when wearing gloves. Visible rotation direction.
- "Palm control" system, to press the ratchet head when tightening or loosening without risk of accidental reversing of the rotation direction.
- Ultra-compact head.
- Bi-material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Hole in the handle for strapping when working in high places.
- Finish: mat chrome.



	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
<b>KL.161</b>	60	31/35	52	512	481	1.47



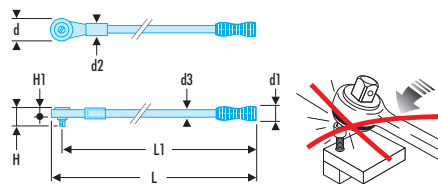
3/4" drive ratchet with removable handle



- 72 teeth mechanism for 5° increments.
- Rotating cap inversion.
- Safety lock by diver.
- Removable handle K.154AM.
- Single-material elastomer handle: high resistance to abrasion and solvents in the most severe conditions: fuel, diesel, gasoline, acetone, brake fluid, Skydrol, Jet Oil, kerosene
- Satin chrome finish

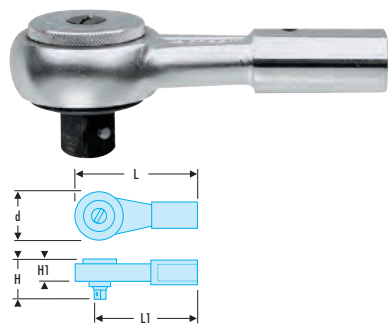


	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
<b>K.154B</b>	68	40	30	20	61	37	548	514	2.4



RATCHETS - SOCKETS

3/4" drive ratchet without handle



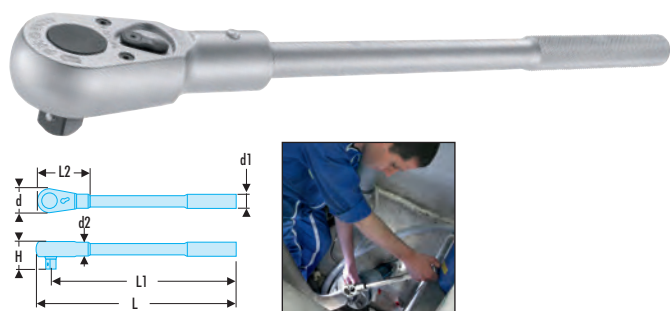
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Precise increment: 5°.
- 72-tooth mechanism.
- For use with bars K.125 or K.126 and handle K.154AM.
- Plunger lock.
- Bi-material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Finish: chromed.



	d [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
<b>K.151B</b>	68	61	37	170	136	1.2

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 K.149M..
- Plunger lock.
- Finish: mat chrome.



	d [mm]	d1 [mm]	d2 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
<b>K.149</b>	65,5	25	32	62	510	475	2.9

Handle for 3/4" ratchet K.151B



- Handle for 3/4" ratchets Ref K.154B and K.151B
- Single material elastomer grip: high resistance to abrasion and the most severe workshop solvents: SP95, SP98, diesel fuel, acetone, brake fluid, Skydrol, Jet Oil, kerosene.
- Satin chrome finish.



	ΔΔ [kg]
<b>K.154AM</b>	1.130

MAINTENANCE OF 3/4" RATCHETS

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

	K.151	K.151A	K.151B	K.154A	K.154B	K.149
<b>Caps</b>						
<b>M.151C</b>	•					
<b>K.151BC</b>		•	•	•	•	
<b>Spare part kit</b>						
<b>K.151RN</b>	•	•	•	•	•	
<b>Rotors</b>						
<b>K.150AR</b>						
<b>K.151AR</b>		•	•	•	•	
<b>Repair kit</b>						
<b>K.149RN</b>						•

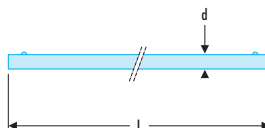
ACCESSORIES 3/4"

■ 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.

Part No.	d [mm]	L [mm]	ΔΔ [kg]
K.125A	20	425	1.0
K.126A	20	500	1.2



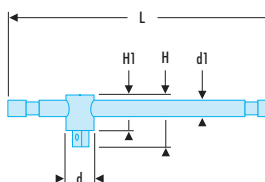
■ 3/4" drive sliding tee



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

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

Part No.	d [mm]	d1 [mm]	H [mm]	H1 [mm]	L [mm]	ΔΔ [kg]
K.120B	36	20	62	37	425	1.3

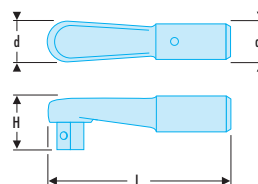


■ 3/4" drive fixed adaptor



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

Part No.	d [mm]	d1 [mm]	H [mm]	L [mm]	ΔΔ [g]
K.200E	35	30	40	152	630

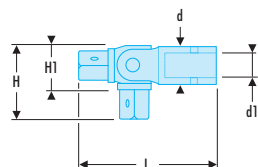


■ 3/4" drive hinged adaptor



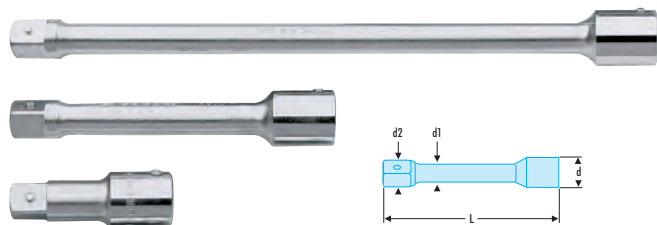
- For use with bars K.125 or K.126.
- Fastener rotation from any angle over 180°.
- Joint 180°.
- Spring-steadied in any position.
- Finish: satin chrome.

Part No.	d [mm]	d1 [mm]	H [mm]	H1 [mm]	L [mm]	ΔΔ [g]
K.140A	40	20	70	46	125	760



ACCESSORIES 3/4"

■ K.B - 3/4" drive extensions



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

- Ideal when space is at a premium with multiple extensions sizes
- Satin chrome finish



🔧	C [mm]	d [mm]	d1 [mm]	d2 [mm]	L [mm]	ΔΔ [g]
<b>K.208B</b>	25	36	25	25	100	410
<b>K.210B</b>	25	36	20	25	200	620
<b>K.215B</b>	25	36	20	25	400	1100

■ 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]
<b>K.240A</b>	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]
<b>K.230B</b>	36	58,5	43	250

■ Interchangeable 1/2" male drive



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



🔧	ΔΔ [g]
<b>K.230B1</b>	35

■ 3/4" to 1" coupler



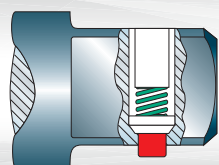
NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

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



🔧	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
<b>K.232A</b>	36	67	39	340

LOCKING SOCKETS AND ACCESSORIES 3/4" - 1"



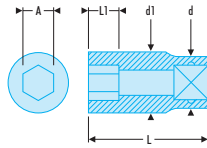
Safety and comfort !

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



SOCKETS 3/4"

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

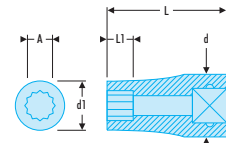


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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

➤	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊘ [mm]	ΔΔ [g]
K.19HB	19	36	30,1	51,0	14	6	207
K.21HB	21	36	32,0	51,0	14	6	208
K.22HB	22	36	33,4	51,0	14	6	221
K.23HB	23	36	36,0	52,5	14	6	244
K.24HB	24	36	36,0	52,5	16	6	237
K.26HB	26	36	38,9	52,5	16	6	231
K.27HB	27	36	39,7	52,5	18	6	232
K.28HB	28	36	41,0	52,5	18	6	239
K.29HB	29	36	42,0	52,5	18	6	245
K.30HB	30	36	43,2	59,0	20	6	282
K.32HB	32	36	45,9	59,0	22	6	301
K.33HB	33	36	48,1	59,0	22	6	330
K.34HB	34	36	48,4	59,0	24	6	322
K.35HB	35	36	50,1	59,0	24	6	344
K.36HB	36	36	51,0	59,0	24	6	347
K.38HB	38	40	54,3	66,9	27	6	478
K.40HB	40	40	56,0	66,9	27	6	493
K.41HB	41	40	57,3	66,9	27	6	504
K.42HB	42	40	59,5	66,9	27	6	552
K.43HB	43	40	60,7	66,9	27	6	560
K.44HB	44	40	61,9	66,9	28	6	587
K.46HB	46	40	63,5	75,0	30	6	641
K.50HB	50	40	68,5	75,0	33	6	725
K.54HB	54	45	74,0	75,0	36	6	880
K.55HB	55	45	74,7	75,0	36	6	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

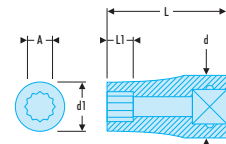
- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

➤	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊘ [mm]	ΔΔ [g]
K.19B	19	36	30,1	51,0	14	12	207
K.21B	21	36	32,0	51,0	14	12	208
K.22B	22	36	33,4	51,0	14	12	221
K.23B	23	36	36,0	52,5	14	12	244
K.24B	24	36	36,0	52,5	16	12	237
K.26B	26	36	38,9	52,5	16	12	231
K.27B	27	36	39,7	52,5	18	12	232
K.28B	28	36	41,0	52,5	18	12	239
K.29B	29	36	42,0	52,5	18	12	245
K.30B	30	36	43,2	59,0	20	12	282
K.32B	32	36	45,9	59,0	22	12	301
K.33B	33	36	48,1	59,0	22	12	330
K.34B	34	36	48,4	59,0	24	12	322
K.35B	35	36	50,1	59,0	24	12	344
K.36B	36	36	51,0	59,0	24	12	347
K.38B	38	40	54,3	66,9	27	12	478
K.40B	40	40	56,0	66,9	27	12	493
K.41B	41	40	57,3	66,9	27	12	504
K.42B	42	40	59,5	66,9	27	12	552
K.43B	43	40	60,7	66,9	28	21	301
K.44B	44	40	61,9	66,9	28	12	587
K.46B	46	40	63,5	75,0	30	12	641
K.50B	50	40	68,5	75,0	33	12	725
K.54B	54	45	74,0	75,0	36	12	880
K.55B	55	45	74,7	75,0	36	12	875

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

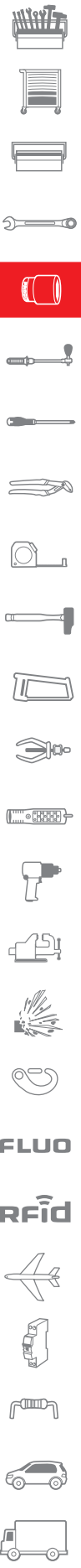
ASME B107.1

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



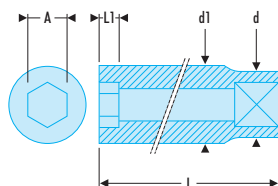
➤	A ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊘ [mm]	ΔΔ [g]
K.3/4B	3/4	36	30,1	51,0	14	12	207
K.7/8B	7/8	36	33,6	51,0	14	12	220
K.15/16B	15/16	36	35,7	52,5	14	12	233
K.1PB	1"	36	38,0	52,5	14	12	250
K.1P1/16B	1 1/16"	36	39,7	52,5	18	12	232
K.1P1/8B	1 1/8"	36	41,6	52,5	18	12	241
K.1P3/16B	1 3/16"	36	43,2	59,0	20	12	280
K.1P1/4B	1 1/4"	36	45,9	59,0	22	12	304
K.1P5/16B	1 5/16"	36	48,1	59,0	22	12	326
K.1P3/8B	1 3/8"	36	50,1	59,0	24	12	343
K.1P7/16B	1 7/16"	36	51,0	59,0	24	12	339

➤	A ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊘ [mm]	ΔΔ [g]
K.1P1/2B	1 1/2"	40	54,3	66,9	27	12	478
K.1P9/16B	1 9/16"	40	56,0	66,9	27	12	498
K.1P5/8B	1 5/8"	40	57,3	66,9	27	12	498
K.1P11/16B	1 11/16"	40	60,7	66,9	27	12	564
K.1P3/4B	1 3/4"	40	62,2	66,9	28	12	586
K.1P13/16B	1 13/16"	40	63,5	75,0	30	12	641
K.1P7/8B	1 7/8"	40	66,2	75,0	33	12	699
K.2PB	2"	40	68,5	75,0	33	12	698
K.2P1/8B	2 1/8"	45	74,0	75,0	36	12	880
K.2P3/16B	2 3/16"	45	74,7	75,0	36	12	855
K.2P1/4B	2 1/4"	45	77,1	75,0	36	12	913



SOCKETS 3/4"

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



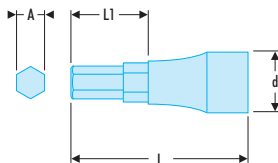
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

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



⚙️	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
K.19LA	19	36	30,1	90	18	6	339
K.21LA	21	36	32,0	90	18	6	367
K.22LA	22	36	33,4	90	21	6	391
K.23LA	23	38	36,0	90	21	6	461
K.24LA	24	38	36,0	90	24	6	400
K.26LA	26	36	38,9	90	24	6	474
K.27LA	27	38	39,7	90	27	6	480
K.29LA	29	40	42,0	90	27	6	505
K.30LA	30	40	43,2	90	30	6	530
K.32LA	32	40	45,9	90	33	6	540
K.33LA	33	45	48,1	90	33	6	600
K.34LA	34	45	48,4	90	33	6	656
K.35LA	35	45	50,1	90	33	6	707
K.36LA	36	45	51,0	90	36	6	672
K.38LA	38	45	54,3	90	36	6	772
K.41LA	41	45	57,3	90	40	6	778
K.42LA	42	45	59,5	90	40	6	863

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



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

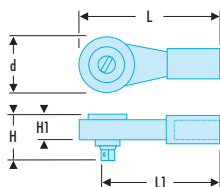


⚙️	A [mm]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
KT.14A	14	36	74,5	25	297
KT.17A	17	36	74,5	25	307
KT.19A	19	36	74,5	25	314
KT.22A	22	36	74,5	25	314

MAMMOTH 1" RANGE

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.
- Présentation : chromée satinée.



⚙️	d [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
M.151	73	77	45	197	161	2.1

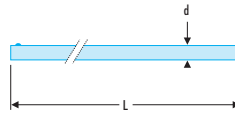
■ M.A - Bars for 1" ratchet M.151



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



Part No.	d [mm]	L [mm]	ΔΔ [kg]
M.125A	25	500	1.9
M.126A	25	700	2.7



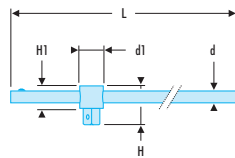
■ 1" drive sliding tee



- 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.



Part No.	d [mm]	d1 [mm]	H [mm]	H1 [mm]	L [mm]	[kg]
M.120A	25	42	79	49,5	500	2.4



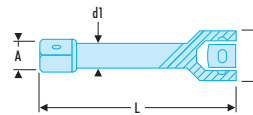
■ M.A - 1" drive extensions



- NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10
- Safety plunger lock.
  - Finish: satin chrome.



Part No.	A [mm]	C [mm]	d [mm]	d1 [mm]	L [mm]	ΔΔ [kg]
M.210A	33	33	48	25	200	1.1
M.215A	33	33	48	25	415	2.0



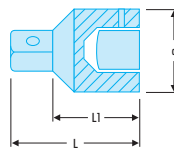
■ 1" to 3/4" coupler



- 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.



Part No.	ΔΔ [kg]
M.230C	0.415



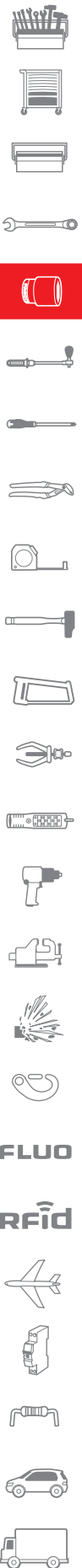
■ Interchangeable 3/4" male drive



- Maximum torque 1412 N.m.
- Interchangeable 1/3" male square attaches to 1" to 3/4" coupler reference M.230C.



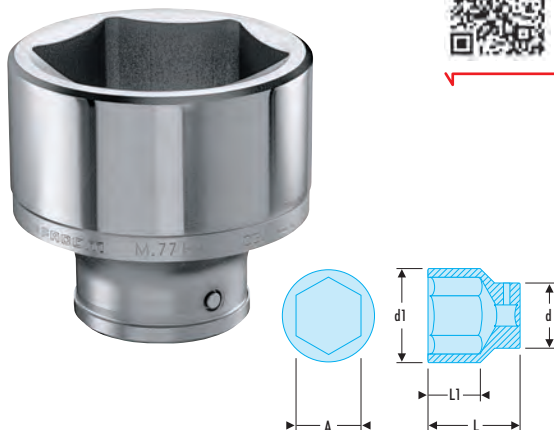
Part No.	ΔΔ [kg]
M.230C1	110





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]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊞ [mm]	ΔΔ [kg]
M.41HA	46	51,3	64,4	76	30	6	0,850
M.46HA	41	51,3	56,9	74	25	6	0,685
M.50HA	50	51,3	69,4	80	33	6	0,970
M.54HA	54	56,3	74,4	84	31	6	1,260
M.55HA	55	56,3	75,4	84	36	6	1,260
M.58HA	58	56,3	79,6	85	35	6	1,350
M.60HA	60	56,3	82,4	87	39	6	1,430
M.63HA	63	58,3	85,4	92	35	6	1,545
M.65HA	65	58,3	88,4	92	42	6	1,650
M.67HA	67	58,3	90,4	92	39	6	1,690
M.70HA	70	56,3	95,0	96	45	6	1,920
M.71HA	71	56,3	96,0	96	45	6	1,900
M.75HA	75	63,3	101,0	100	48	6	2,260
M.77HA	77	63,3	108,0	100	51	6	2,750
M.80HA	80	63,3	108,0	106	52	6	2,800
M.82HA	82	63,3	110,8	110	52	6	2,880
M.85HA	85	71,3	114,0	110	52	6	3,225
M.90HA	90	71,3	121,0	110	56	6	3,555
M.95HA	95	71,3	127,0	110	56	6	3,800
M.100HA	100	71,3	133,0	115	56	6	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 ["]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊞ [mm]	ΔΔ [kg]
M.1P7/8HA	1" 7/8	51,3	70,4	80	31	6	1,0
M.2PHA	2"	56,3	74,4	84	31	6	1,260
M.2P1/8HA	2" 1/8	56,3	74,4	84	31	6	1,3
M.2P3/16HA	2" 3/16	56,3	75,4	84	35	6	1,3
M.2P1/4HA	2" 1/4	56,3	78,5	84	35	6	1,4
M.2P3/8HA	2" 3/8	56,3	82,4	87	39	6	1,4
M.2P1/2HA	2" 1/2	58,3	86,4	92	35	6	1,6
M.2P5/8HA	2" 5/8	58,3	90,4	92	39	6	1,7
M.2P3/4HA	2" 3/4	94,4	58,3	96	45	6	1,9
M.3PHA	3"	65,3	103,4	100	51	6	2,4
M.3P1/8HA	3" 1/8	65,3	107,4	106	51	6	2,8
M.3P3/8HA	3" 3/8	73,3	113,4	110	56	6	3,2

1" drive 12-point sockets



ASME B107.1

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

⊞	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊞ [mm]	ΔΔ [kg]
M.65B	65	58,3	85,4	92	42	12	1,7

1" METRIC SOCKET SETS

Set of 1" drive 6-point sockets 42 to 82 mm



- Including:
- Ratchet: M.151.
- Sockets: M.46HA - 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 - M46HA-M1P13/16HA.
- Accessories: M.120A - M.210A - M.215A.
- Metal case BT.101
- Tray PL.57.

Σ	H [mm]	P [mm]	L [mm]	ΔΔ [kg]
M.431E	158	344	768	46.5

Set of 1" drive 6-point sockets 41 to 80 mm



- Including:
- 1 x Ratchet: M.151.
- 15 x 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.
- Tray PL.85.

Σ	H [mm]	P [mm]	L [mm]	ΔΔ [kg]
M.423E	123	344	568	29.7

1" INCH SOCKET SETS

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.
- Tray PL.54.

Σ	H [mm]	P [mm]	L [mm]	ΔΔ [kg]
M.441E	158	344	768	63.1

Set of 1" drive sockets 17/8" to 33/8"



- Including:
- 1 x Ratchet: M.151.
- 12 x 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.
- Tray PL.58.

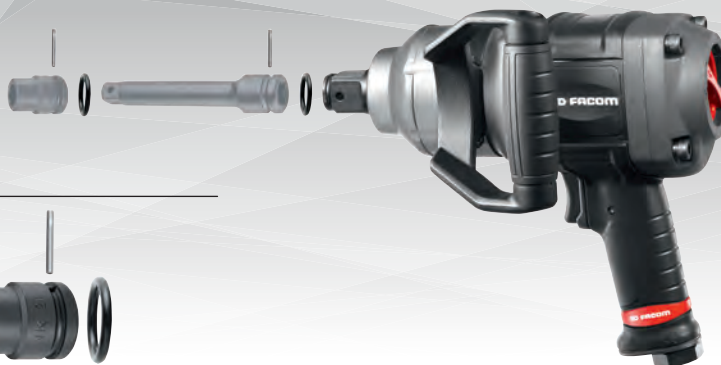
Σ	H [mm]	P [mm]	L [mm]	ΔΔ [kg]
M.431U	344	158	768	29.7



IMPACT SOCKETS 3/8"

IMPACT SOCKETS AND ACCESSORIES

Developed for your power tools



Pins	Ø	L (mm)
GA.15B	2,5	14,8
GA.18B	2,5	17,8
GA.19B	2,5	19,0
GA.20B	3,0	20,0
GA.22B	3,0	22,0
GA.25B	3,0	25,0
GA.31B	4,0	31,0
GA.35B	4,0	35,0
GA.45B	5,0	45,0
GA.77B	5,0	77,0
GA.75B	6,0	75,0
GA.84B	6,0	84,0

Rings	Ø	L (mm)
BA.15B	3,5	15,0
BA.18B	3,5	18,0
BA.19B	3,5	19,0
BA.20B	4,0	20,0
BA.22B	4,0	22,0
BA.25B	4,0	25,0
BA.30B	5,0	30,0
BA.36B	5,0	36,0
BA.45B	7,0	45,0
BA.76B	7,0	76,0
BA.74B	10,0	74,0
BA.84B	10,0	84,0

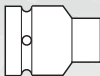


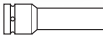
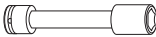
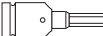



Performance

- Specially designed to resist the stresses from impact (section 14). 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.

CHOOSING IMPACT TOOLS

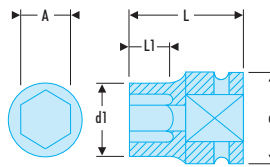
TYPE OF TOOL	DRIVE	SIZES
Sockets 	☑ 3/8" ☑ 1/2" ☑ 3/4" ☑ 1" ☑ 1 1/2"	6 > 19 mm 8 > 36 mm ; 3/8" > 1 1/16 17 > 46 mm ; 3/4" > 1 5/8 22 > 77 mm 55 > 120 mm 12 16 > 22 mm
TORX® 	☑ 1/2"	E10 > E24
TORX® Long-reach 	☑ 1/2" ☑ 3/4"	E10 > E24
Socket 	☑ 1/2" ☑ 3/4" ☑ 1"	6 > 32 mm 17 > 46 mm 22 > 70 mm 12 8 > 36 mm 17 > 46 mm
Long-reach socket 	☑ 1"	32 - 33 mm
Extra-long-reach socket 	☑ 1/2"	
	☑ 3/4"	
Monobloc bit 	☑ 3/8" ☑ 1/2" ☑ 3/4" ☑ 1" ☑ 1 1/2"	Universal joint
1 model per drive 	☑ 3/8" ☑ 1/2" ☑ 3/4" ☑ 1" ☑ 1 1/2"	☑ 3/8" > ☑ 1/2" ☑ 1/2" > ☑ 3/4" ☑ 3/4" > ☑ 1" ☑ 1" > ☑ 1 1/2" ☑ 1 1/2" > ☑ 2 1/2" ☑ 1/2" > ☑ 3/8" ☑ 3/4" > ☑ 1/2" ☑ 1" > ☑ 3/4" ☑ 1 1/2" > ☑ 1"
Coupler Impact screwdrivers 	☑ 3/8" ☑ 1/2"	200 Nm 400 Nm

**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 [mm]	BA	GA	d [mm]	d1 [mm]	H3 [mm]	L [mm]	L1 [mm]	⚙️	ΔΔ [g]
NJ.6A	6	BA.15B	GA.15B	20	11,5	6	30	4,0	6	40
NJ.7A	7	BA.15B	GA.15B	20	12,5	8	30	4,0	6	45
NJ.8A	8	BA.15B	GA.15B	20	14,0	8	30	5,2	6	45
NJ.9A	9	BA.15B	GA.15B	20	15,0	8	30	5,0	6	45
NJ.10A	10	BA.15B	GA.15B	20	16,5	8	30	6,0	6	45
NJ.11A	11	BA.15B	GA.15B	20	17,5	9	30	7,0	6	50
NJ.12A	12	BA.15B	GA.15B	20	19,0	9	30	8,0	6	50
NJ.13A	13	BA.18B	GA.18B	22	20,0	10	30	8,0	6	50
NJ.14A	14	BA.18B	GA.18B	22	21,5	11,5	30	10,0	6	65
NJ.15A	15	BA.18B	GA.18B	22	22,0	11	30	10,0	6	70
NJ.16A	16	BA.18B	GA.18B	22	24,0	12,5	30	10,0	6	70
NJ.17A	17	BA.18B	GA.18B	22	26,0	12,5	30	10,0	6	70
NJ.18A	18	BA.18B	GA.18B	22	26,0	12,5	30	12,0	6	75
NJ.19A	19	BA.18B	GA.18B	22	27,8	14	30	12,0	6	80

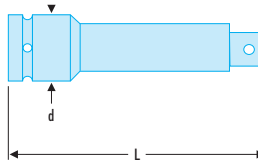


**NJ.A - 3/8" drive impact extensions**

ASME B107.2

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

⚙️	BA	GA	d [mm]	L [mm]	ΔΔ [g]
NJ.210A	BA.16A	GA.15A	19	75	95
NJ.211A	BA.16A	GA.15A	19	150	170

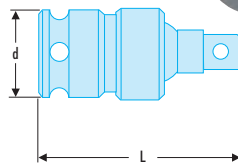


**3/8" drive impact universal joint**

ASME B107.2

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

⚙️	BA	GA	d [mm]	L [mm]	ΔΔ [g]
NJ.240A	BA.19B	GA.19B	24	51	85



**3/8" to 1/2" impact coupler**

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

⚙️	d [mm]	L [mm]	ΔΔ [g]
NJ.232A	22	36	95



IMPACT ACCESSORIES 3/8"

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



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

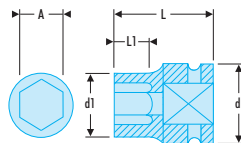
- NJ.236A: for 5/16 bits.
- NJ.237A: for 1/2 bits.



↻	A ["]	BA	GA	d ["]	d [mm]	d1 [mm]	L [mm]	Square ["]	ΔΔ [g]
NJ.236A	5/16	BA.18B	-	1/2	22	14	37	3/8	35
NJ.237A	1/2	-	GA.18B	1/2	22	22	37	3/8	45

IMPACT SOCKETS 1/2" AND ACCESSORIES

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

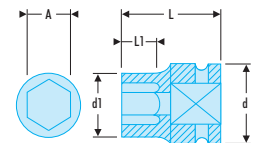


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

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

↻	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
NS.8A	8	BA.20B	GA.20B	24	15	38	21	6	70
NS.9A	9	BA.20B	GA.20B	24	16	38	21	6	70
NS.10A	10	BA.20B	GA.20B	24	16	38	21	6	75
NS.11A	11	BA.20B	GA.20B	24	18	38	21	6	75
NS.12A	12	BA.20B	GA.20B	24	20	38	21	6	75
NS.13A	13	BA.20B	GA.20B	24	21	38	21	6	75
NS.14A	14	BA.20B	GA.20B	24	22	38	21	6	85
NS.15A	15	BA.20B	GA.20B	24	24	38	21	6	105
NS.16A	16	BA.20B	GA.20B	24	24	38	21	6	105
NS.17A	17	BA.20B	GA.20B	25	26	38	21	6	110
NS.18A	18	BA.20B	GA.20B	25	28	38	21	6	110
NS.19A	19	BA.20B	GA.20B	25	28	38	21	6	110
NS.20A	20	BA.20B	GA.20B	25	30	38	21	6	110
NS.21A	21	BA.20B	GA.20B	25	30	38	21	6	150
NS.22A	22	BA.25B	GA.25B	30	32	38	21	6	150
NS.23A	23	BA.25B	GA.25B	30	34	38	21	6	150
NS.24A	24	BA.25B	GA.25B	30	34	38	21	6	160
NS.26A	26	BA.25B	GA.25B	30	36	42	23	6	180
NS.27A	27	BA.25B	GA.25B	30	38	43	23	6	200
NS.28A	28	BA.25B	GA.25B	30	40	44	25	6	260
NS.29A	29	BA.25B	GA.25B	30	40	44	25	6	260
NS.30A	30	BA.25B	GA.25B	30	42	44	25	6	270
NS.32A	32	BA.25B	GA.25B	30	44	44	25	6	280

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 ["]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
NS.3/8A	3/8	BA.20B	GA.20B	24	16,0	38	17	6	75
NS.7/16A	7/16	BA.20B	GA.20B	24	18,0	38	17	6	75
NS.1/2A	1/2	BA.20B	GA.20B	24	21,0	38	17	6	75
NS.9/16A	9/16	BA.20B	GA.20B	24	22,0	38	17	6	80
NS.5/8A	5/8	BA.25B	GA.20B	24	24,0	38	17	6	105
NS.11/16A	11/16	BA.20B	GA.20B	25	25,0	38	21	6	110
NS.3/4A	3/4	BA.25B	GA.20B	25	28,0	38	21	6	120
NS.13/16A	13/16	BA.20B	GA.20B	25	30,0	38	21	6	105
NS.7/8A	7/8	BA.25B	GA.25B	30	32,0	38	21	6	160
NS.15/16A	15/16	BA.25B	GA.25B	30	34,0	38	21	6	160
NS.1PA	1"	BA.25B	GA.25B	30	36,0	42	23	6	180
NS.1P1/16A	1" 1/16	BA.25B	GA.25B	30	38,0	43	23	6	205

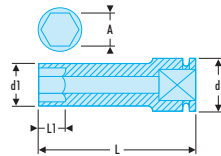
■ NSD.B - 1/2" drive metric 12-point impact sockets



⇒	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
NSD.8B	8	21,9	14,5	38	3,6	12	50
NSD.9B	9	21,9	15,6	38	4,1	12	50
NSD.10B	10	21,9	16,7	38	4,6	12	53
NSD.11B	11	21,9	18	38	5,5	12	54
NSD.12B	12	21,9	19	38	6,1	12	54
NSD.13B	13	23,9	20,2	38	6,8	12	70
NSD.14B	14	23,9	21,5	38	8,4	12	70
NSD.15B	15	24,9	23,0	38	8,4	12	80
NSD.16B	16	24,9	24,9	38	9,6	12	80
NSD.18B	18	26,9	26,9	38	10,2	12	100
NSD.17B	17	25,9	25,9	38	9,6	12	90
NSD.19B	19	29,9	29,9	38	11,2	12	130
NSD.20B	20	29,9	29,9	38	11,5	12	130
NSD.21B	21	31,7	31,7	38	11,7	12	150
NSD.22B	22	31,9	31,9	38	12,5	12	150
NSD.23B	23	33,9	33,9	42	12,7	12	180
NSD.24B	24	35,9	35,9	42	13,9	12	200
NSD.26B	26	35,9	37,9	42	14,6	12	230
NSD.27B	27	38,0	39,8	46	15,8	12	270
NSD.28B	28	38,0	39,8	46	16,7	12	270
NSD.29B	29	38,0	41,9	46	16,7	12	280
NSD.30B	30	38,0	41,9	46	16,7	12	280
NSD.32B	32	38,0	43,9	46	18,3	12	280
NSD.34B	34	38,0	45,8	46	20,0	12	300
NSD.35B	35	38,0	49,8	50	20,0	12	410
NSD.36B	36	38,0	49,8	50	20,0	12	420



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

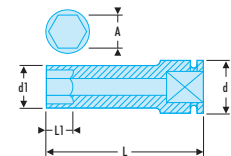


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

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

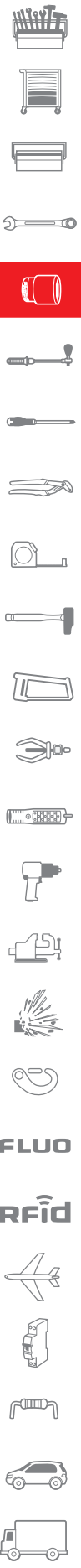
⇒	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
NS.8LA	8	BA.20B	GA.20B	24	15,0	78	21	6	130
NS.10LA	10	BA.20B	GA.20B	24	17,0	78	21	6	150
NS.11LA	11	BA.20B	GA.20B	24	18,0	78	21	6	160
NS.12LA	12	BA.20B	GA.20B	24	20,0	78	21	6	165
NS.13LA	13	BA.20B	GA.20B	24	21,0	78	21	6	185
NS.14LA	14	BA.20B	GA.20B	24	22,0	78	21	6	200
NS.15LA	15	BA.20B	GA.20B	24	24,0	79	21	6	210
NS.16LA	16	BA.20B	GA.20B	24	24,0	78	21	6	220
NS.17LA	17	BA.20B	GA.20B	26	26,0	78	21	6	250
NS.18LA	18	BA.20B	GA.20B	25	28,0	78	21	6	275
NS.19LA	19	BA.20B	GA.20B	25	28,0	78	21	6	270
NS.21LA	21	BA.20B	GA.20B	25	30,0	78	21	6	280
NS.22LA	22	BA.25B	GA.25B	30	32,0	78	26	6	290
NS.23LA	23	BA.25B	GA.25B	30	34,0	78	24	6	300
NS.24LA	24	BA.25B	GA.25B	30	34,0	78	24	6	300
NS.26LA	26	BA.25B	GA.25B	30	36,0	78	24	6	305
NS.27LA	27	BA.25B	GA.25B	30	38,0	78	24	6	310
NS.28LA	28	BA.25B	GA.25B	30	40,0	78	24	6	315
NS.29LA	29	BA.25B	GA.25B	30	40,0	78	24	6	330
NS.30LA	30	BA.25B	GA.25B	30	42,0	78	24	6	340
NS.32LA	32	BA.25B	GA.25B	30	44,0	78	24	6	340

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



- 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]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
NSB.10	10	BA.20B	GA.20B	24	17,0	80	78	6	170
NSB.13	13	BA.20B	GA.20B	24	21,0	80	78	6	210
NSB.15	15	BA.20B	GA.20B	24	24,0	80	78	6	220
NSB.16	16	BA.20B	GA.20B	24	24,0	80	78	6	230
NSB.17	17	BA.20B	GA.20B	26	26,0	80	78	6	245
NSB.18	18	BA.20B	GA.20B	25	28,0	80	78	6	245
NSB.19	19	BA.20B	GA.20B	25	28,0	80	78	6	240
NSB.21	21	BA.20B	GA.20B	25	30,0	80	78	6	245
NSB.22	22	BA.25B	GA.25B	30	32,0	85	78	6	250
NSB.24	24	BA.25B	GA.25B	30	34,0	85	78	6	280
NSB.27	27	BA.25B	GA.25B	30	38,0	85	78	6	325
NSB.30	30	BA.25B	GA.25B	30	42,0	85	78	6	330
NSB.32	32	BA.25B	GA.25B	30	44,0	85	78	6	335



IMPACT SOCKETS 1/2" AND ACCESSORIES

SOCKETS FOR ALLOY WHEELS



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

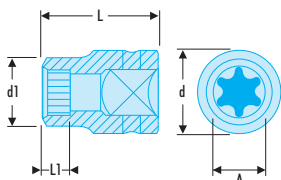
Protective sleeve brings 4 to 5 times superior lifetime compared to standard long socket

NSD.L - 1/2" drive metric long-reach metric 12-point impact sockets



➤	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
NSD.8L	8	21.9	14.5	82	3.6	12	121
NSD.10L	10	21.9	16.7	82	4.6	12	121
NSD.11L	11	21.9	18	82	5.5	12	123
NSD.12L	12	21.9	19	82	6.1	12	124
NSD.14L	14	23.9	21.5	82	8.4	12	186
NSD.16L	16	24.9	24.9	82	9.6	12	193
NSD.17L	17	25.9	25.9	82	9.6	12	209
NSD.18L	18	26.9	26.9	82	10.2	12	221
NSD.19L	19	29.9	29.9	82	11.2	12	300
NSD.21L	21	31.7	31.7	82	11.7	12	320
NSD.22L	22	31.9	31.9	82	12.5	12	320
NSD.23L	23	33.9	33.9	82	12.7	12	350
NSD.24L	24	35.9	35.9	82	13.9	12	400
NSD.26L	26	37.9	37.9	82	14.6	12	435
NSD.27L	27	38.0	39.8	82	15.8	12	485
NSD.28L	28	38.0	39.8	82	16.7	12	455
NSD.29L	29	38.0	41.9	82	16.7	12	490
NSD.30L	30	38.0	41.9	82	16.7	12	455
NSD.32L	32	38.0	43.9	82	18.3	12	535
NSD.34L	34	38.0	45.8	90	20.0	12	540
NSD.35L	35	38.0	49.8	90	20.0	12	685
NSD.36L	36	38.0	49.8	90	20.0	12	635

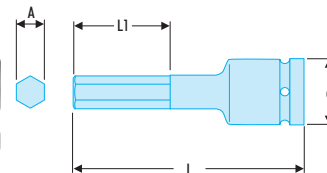
NSTX Torx® 1/2" impact sockets



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

➤	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	Torx [No]	ΔΔ [g]
NSTX.10	9,19	BA.20B	GA.20B	25	14,2	38	E10	85
NSTX.12	10,95	BA.20B	GA.20B	25	15,2	38	E12	85
NSTX.14	12,67	BA.20B	GA.20B	25	18,2	38	E14	90
NSTX.16	14,70	BA.20B	GA.20B	25	19,2	38	E16	90
NSTX.18	16,38	BA.20B	GA.20B	25	22,2	38	E18	90
NSTX.20	18,16	BA.25B	GA.25B	30	24,2	38	E20	135
NSTX.24	21,84	BA.25B	GA.25B	30	28,2	40	E24	140

NSTX.L - Torx® 1/2" female impact sockets



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

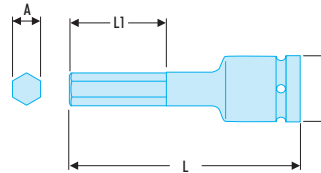
➤	A [mm]	BA	GA	d [mm]	L [mm]	L1 [mm]	Torx [No]	ΔΔ [g]
NSTX.10L	9,37	BA.20B	GA.20B	25	70	7,11	E10	95
NSTX.12L	11,12	BA.20B	GA.20B	25	70	8,25	E12	100
NSTX.14L	12,85	BA.20B	GA.20B	25	70	9,52	E14	105
NSTX.16L	14,71	BA.20B	GA.20B	25	70	10,79	E16	120
NSTX.18L	16,64	BA.20B	GA.20B	25	70	11,94	E18	140
NSTX.20L	18,41	BA.20B	GA.20B	25	70	13,33	E20	150
NSTX.22L	20,24	BA.20B	GA.20B	25	70	14,48	E22	160
NSTX.24L	22,09	BA.20B	GA.20B	25	70	15,00	E24	170

**NSX.B 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]	BA	GA	d [mm]	L [mm]	L1 [mm]	Torx [No]	ΔΔ [g]
<b>NSX.30B</b>	5,58	BA.20B	GA.20B	25	55	15	T30	90
<b>NSX.40B</b>	6,67	BA.20B	GA.20B	25	55	15	T40	95
<b>NSX.45B</b>	7,85	BA.20B	GA.20B	25	55	15	T45	95
<b>NSX.50B</b>	8,89	BA.20B	GA.20B	25	55	15	T50	100
<b>NSX.55B</b>	11,28	BA.20B	GA.20B	25	55	15	T55	105
<b>NSX.60B</b>	13,36	BA.20B	GA.20B	25	55	15	T60	110

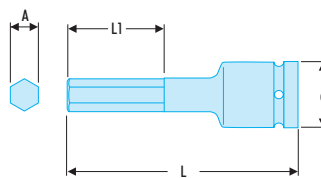


**NSX.L - Torx® 1/2" male impact sockets**

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



⚙️	A [mm]	BA	GA	d [mm]	L [mm]	L1 [mm]	Torx [No]	ΔΔ [g]
<b>NSX.20L</b>	3,84	BA.20B	GA.20B	25	78	15	T20	80
<b>NSX.25L</b>	4,4	BA.20B	GA.20B	25	78	15	T25	80
<b>NSX.30L</b>	5,49	BA.20B	GA.20B	25	78	15	T30	80
<b>NSX.40L</b>	6,6	BA.20B	GA.20B	25	78	15	T40	80
<b>NSX.45L</b>	7,77	BA.20B	GA.20B	25	78	15	T45	85
<b>NSX.50L</b>	8,79	BA.20B	GA.20B	25	78	15	T50	90
<b>NSX.55L</b>	11,17	BA.20B	GA.20B	25	78	15	T55	105
<b>NSX.60L</b>	13,2	BA.20B	GA.20B	25	78	15	T60	120
<b>NSX.70L</b>	15,49	BA.20B	GA.20B	25	78	15	T70	135

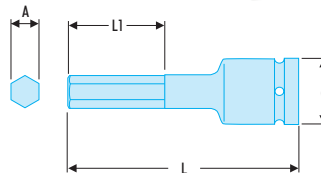


**NSHM 1/2" drive metric impact bits for hexagon socket heads**

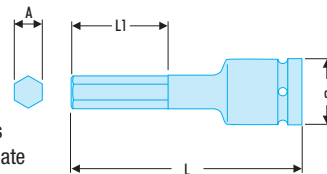
- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Monobloc driver socket.



⚙️	A [mm]	BA	GA	d [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
<b>NSHM.5</b>	5	BA.20B	GA.20B	25	79	16	6	70
<b>NSHM.6</b>	6	BA.20B	GA.20B	25	79	16	6	70
<b>NSHM.8</b>	8	BA.20B	GA.20B	25	79	25	6	90
<b>NSHM.10</b>	10	BA.20B	GA.20B	25	79	27	6	110
<b>NSHM.12</b>	12	BA.20B	GA.20B	25	79	27	6	130
<b>NSHM.14</b>	14	BA.20B	GA.20B	25	79	27	6	130
<b>NSHM.17</b>	17	BA.20B	GA.20B	25	79	27	6	170
<b>NSHM.19</b>	19	BA.20B	GA.20B	25	79	27	6	190



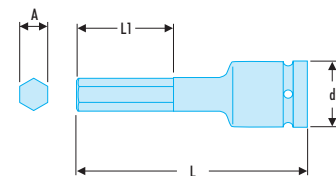
**NSV - XZN® 1/2" male impact sockets**



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

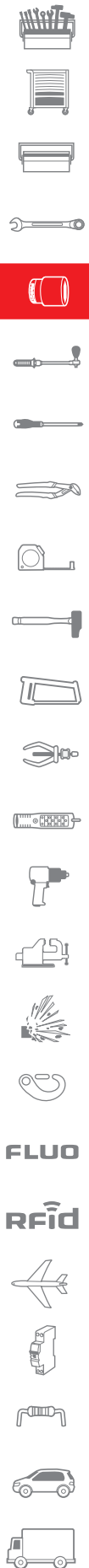
⚙️	A [mm]	BA	GA	d [mm]	L [mm]	L1 [mm]	XZN [No]	ΔΔ [g]
<b>NSV.6</b>	5,97	BA.20B	GA.20B	25	50	1515	6	60
<b>NSV.8</b>	7,16	BA.20B	GA.20B	25	50	15	8	65
<b>NSV.10</b>	9,56	BA.20B	GA.20B	25	50	15	10	70
<b>NSV.12</b>	11,36	BA.20B	GA.20B	25	50	15	12	75
<b>NSV.14</b>	13,17	BA.20B	GA.20B	25	50	15	14	80
<b>NSV.16</b>	15,58	BA.20B	GA.20B	25	50	15	16	90
<b>NSV.18</b>	16,79	BA.20B	GA.20B	25	50	15	18	95

**NSV.L - XZN® 1/2" male long-reach impact sockets**



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

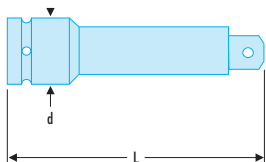
⚙️	A [mm]	BA	GA	d [mm]	L [mm]	L1 [mm]	XZN [No]	ΔΔ [g]
<b>NSV.10L</b>	9,56	BA.20B	GA.20B	25	78	1515	10	95
<b>NSV.12L</b>	11,36	BA.20B	GA.20B	25	78	15	12	105
<b>NSV.14L</b>	13,17	BA.20B	GA.20B	25	78	15	14	120
<b>NSV.16L</b>	15,58	BA.20B	GA.20B	25	78	1515	16	140
<b>NSV.18L</b>	16,79	BA.20B	GA.20B	25	78	1515	18	150





IMPACT SOCKETS 1/2" AND ACCESSORIES

■ NS.A - 1/2" drive impact extensions



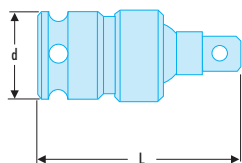
ASME B107.2

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



🔧	BA	GA	d [mm]	L [mm]	ΔΔ [g]
<b>NS.210A</b>	BA.20B	GA.20B	24	7575	130
<b>NS.215A</b>	BA.20B	GA.20B	24	125	230
<b>NS.219A</b>	BA.20B	GA.20B	24	250	510

■ 1/2" drive impact universal joint



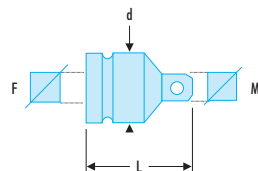
ASME B107.2

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



🔧	BA	GA	d [mm]	L [mm]	ΔΔ [g]
<b>NS.240A</b>	BA.22B	GA.22B	28	60	205

■ 1/2" to 3/8" impact coupler



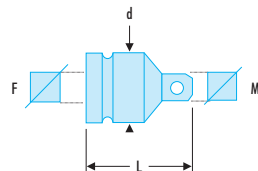
ASME B107.2

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



🔧	BA	GA	d [mm]	L [mm]	Square ["]	ΔΔ [g]
<b>NS.230A</b>	BA.20B	GA.20B	24	35	F = 1/2" - M = 3/8"	35

■ 1/2" to 3/4" impact coupler



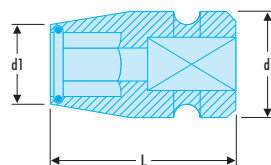
ASME B107.2

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



🔧	BA	GA	d [mm]	L [mm]	Square ["]	ΔΔ [g]
<b>NS.232B</b>	BA.25B	GA.25B	30	48	F = 1/2" - M = 3/4"	170

■ 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 ["]	BA	GA	d ["]	d [mm]	d1 [mm]	L [mm]	Square ["]	ΔΔ [g]
<b>NS.236A</b>	5/16				24	15,5	40	1/2	60
<b>NS.237A</b>	1/2			1/2	24	20	40	1/2	40

IMPACT SOCKETS 3/4" AND ACCESSORIES

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:
- 16 x Sockets: NK.19A - 21 - 22 - 23 - 24 - 26 - 27 - 28 - 29 - 30 - 32 - 34 - 36 - 38 - 41 - 42 mm.
- 2 x Accessories: NK.210A and NK.240A.
- 1 x Rings: BA.36B and 1 x Pins: GA.35B.
- Metal case BT.111, dim. (L. x D. x H.): 396 x 224 x 82 mm.
- Tray PL.79A.



	H [mm]	L [mm]	ΔΔ [kg]
<b>NK.500E</b>	82	396	11

IMPACT SOCKETS 3/4" AND ACCESSORIES

16-piece set of 3/4" impact sockets 19 to 42 mm

- For your safety, use impact sockets with suitable rings and pins.
- 16 3/4" sockets: 19-21-22-23-24-26-27-28-29-30-32-34-36- 38-41-42 mm.
- NK.210A - 175 mm extension
- Universal joint NK.240A.
- BA.36B (x1) ring and GA.35B associated pin
- Square drive bit 3/4".
- Set BT.111.
- Tray PL.79A.



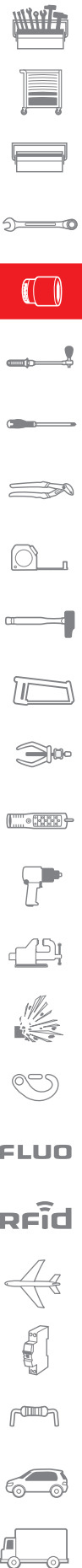
	ΔΔ [kg]
<b>NKD.500</b>	11

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:
- 12 x Sockets: NK. 3/4'A - 13/16' - 7/8' - 15/16' - 1' - 1'1/16 - 1'1/8 - 1'1/4 - 1'5/16 - 1'7/16 - 1'1/2 - 1'5/8.
- 1 x Pin: GA.37A and 1 x Ring: BA.38A.
- 2 x 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.



	H [mm]	L [mm]	ΔΔ [kg]
<b>NK.500U</b>	82	396	8.9

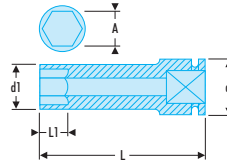




**NKB - 3/4" drive long-reach metric thin-wall 6-point impact sockets**

- 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.

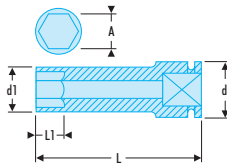
SE	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
NKB.21	21	BA.36B	GA.35B	44	35	90	24	6	600
NKB.22	22	BA.36B	GA.35B	44	37	90	24	6	600
NKB.24	24	BA.36B	GA.35B	44	39	90	40	6	640
NKB.27	27	BA.36B	GA.35B	44	43	90	40	6	670
NKB.30	30	BA.36B	GA.35B	44	47	90	40	6	700
NKB.32	32	BA.36B	GA.35B	44	48	90	65	6	706
NKB.33	33	BA.36B	GA.35B	44	48	90	45	6	750
NKB.36	36	BA.36B	GA.35B	44	52	90	45	6	765



**NKD.L - 3/4" drive metric long-reach metric 12-point impact sockets**

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

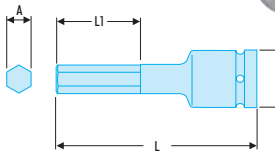
SE	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
NKD.17L	17	BA.30B	GA.31B	40	28,6	85	9,3	12	450
NKD.19L	19	BA.30B	GA.31B	30,5	30	85	11,1	12	450
NKD.21L	21	BA.30B	GA.31B	40	34,5	85	11,7	12	450
NKD.22L	22	BA.30B	GA.31B	40	35,0	85	12,5	12	470
NKD.23L	23	BA.30B	GA.31B	40	38,0	85	12,7	12	490
NKD.24L	24	BA.30B	GA.31B	40	38,0	85	13,9	12	490
NKD.26L	26	BA.30B	GA.31B	40	40,9	85	14,6	12	500
NKD.27L	27	BA.30B	GA.31B	40	40,9	85	15,8	12	500
NKD.29L	29	BA.30B	GA.31B	44	43,9	85	16,7	12	570
NKD.30L	30	BA.30B	GA.31B	44	45,7	85	16,7	12	640
NKD.32L	32	BA.30B	GA.31B	44	48,0	85	18,3	12	640
NKD.33L	33	BA.30B	GA.31B	44	50,7	85	19,1	12	750
NKD.34L	34	BA.30B	GA.31B	44	50,7	85	20,0	12	750
NKD.35L	35	BA.30B	GA.31B	44	51,7	85	20,1	12	750
NKD.36L	36	BA.30B	GA.31B	44	53,7	85	21,5	12	780
NKD.38L	38	BA.30B	GA.31B	44	53,7	85	22,3	12	820
NKD.41L	41	BA.30B	GA.31B	45	60,0	85	24,9	12	910
NKD.42L	42	BA.30B	GA.31B	45	62,0	85	25,4	12	950
NKD.46L	46	BA.30B	GA.31B	45	67,0	85	28,6	12	1260



**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.

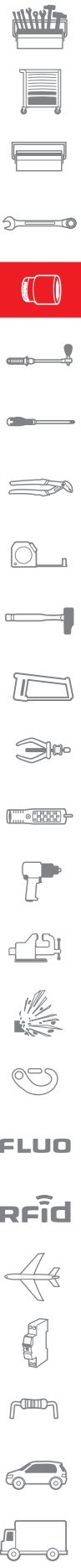
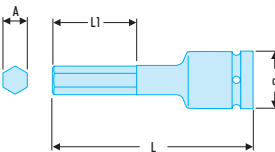
SE	A [mm]	BA	GA	d [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [g]
NKHM.17	17	BA.36B	GA.35B	44	100	21	6	600
NKHM.19	19	BA.36B	GA.35B	44	100	21	6	600
NKHM.22	22	BA.36B	GA.35B	44	100	21	6	600
NKHM.24	24	BA.36B	GA.35B	44	100	21	6	600



**NKTX.L - Torx® 3/4" female impact sockets**

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

SE	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	Torx [No]	ΔΔ [g]
NKTX.18L	16.64	BA.36B	GA.35B	44	21,5	100	11,94	E18	440
NKTX.20L	18.41	BA.36B	GA.35B	44	23,5	100	13,33	E20	455
NKTX.22L	20.24	BA.36B	GA.35B	44	25,0	100	14,48	E22	460
NKTX.24L	22.09	BA.36B	GA.35B	44	28,0	100	15,00	E24	480



IMPACT SOCKETS 3/4" AND ACCESSORIES

■ **NKVR - XZN® 3/4" Tamper impact sockets**



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



⌘	A [mm]	BA	GA	d [mm]	L [mm]	L1 [mm]	XZN [No]	ΔΔ [g]
<b>NKVR.16</b>	16	BA.36B	GA.35B	44	50	19	16	220
<b>NKVR.18</b>	18	BA.36B	GA.35B	44	50	19	18	225

■ **NKXR - Torx® 3/4" Tamper impact sockets**

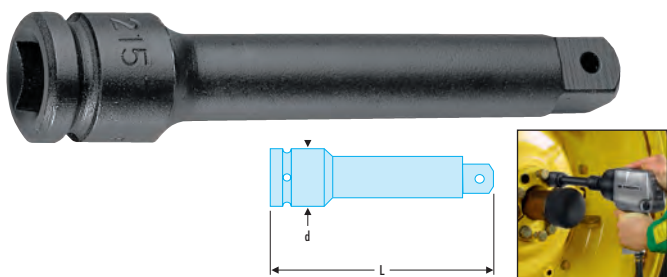


• For your safety, use impact sockets and accessories with the appropriate rings and pins.



⌘	A [mm]	BA	GA	d [mm]	L [mm]	L1 [mm]	Torx [No]	ΔΔ [g]
<b>NKXR.70</b>	15.49	BA.36B	GA.35B	44	50	16	70	230
<b>NKXR.80</b>	17.51	BA.36B	GA.35B	44	50	16	80	230
<b>NKXR.90</b>	19.88	BA.36B	GA.35B	44	50	16	90	240
<b>NKXR.100</b>	22.09	BA.36B	GA.35B	44	50	16	100	255

■ **NK.A - 3/4" drive impact extensions**



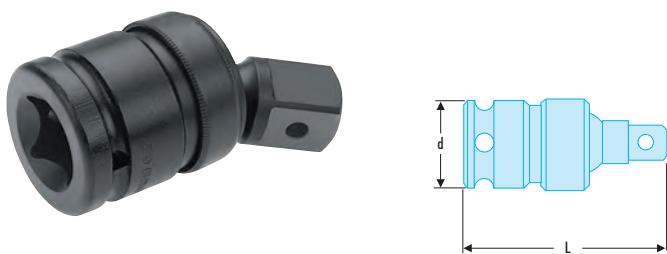
**ASME B107.2**

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



⌘	BA	GA	d [mm]	L [mm]	ΔΔ [g]
<b>NK.210A</b>	BA.30B	GA.31B	38	175	105
<b>NK.215A</b>	BA.30B	GA.31B	38	252	120
<b>NK.218A</b>	BA.30B	GA.31B	38	330	150

■ **3/4" drive impact universal joint**



**ASME B107.2**

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



⌘	BA	GA	d [mm]	L [mm]	ΔΔ [g]
<b>NK.240A</b>	BA.36B	GA.35B	44	90	720

■ **3/4" to 1/2" impact coupler**



**ASME B107.2**

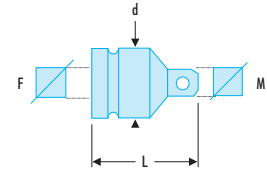
• For your safety, use impact couplers with the appropriate rings and pins.



⌘	BA	GA	d [mm]	L [mm]	Square ["]	ΔΔ [g]
<b>NK.230A</b>	BA.36B	GA.35B	44	54	F = 3/4" - M = 1/2"	210

3/4" to 1" impact coupler

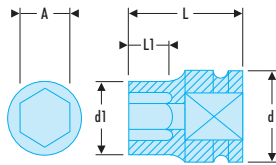
For your safety, use impact sockets and accessories with the appropriate rings and pins.



	BA	GA	d [mm]	L [mm]	Square ["]	ΔΔ [g]
<b>NK.232A</b>	BA.36B	GA.35B	44	68	F = 3/4" - M = 1"	375

IMPACT SOCKETS 1" AND ACCESSORIES

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

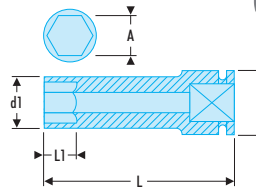


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

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

	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊕ [mm]	ΔΔ [kg]
<b>NM.22A</b>	22	BA.45B	GA.45B	54	40	60	17	6	0,500
<b>NM.24A</b>	24	BA.45B	GA.45B	54	42	60	18	6	0,500
<b>NM.26A</b>	26	BA.45B	GA.45B	54	42	60	18	6	0,520
<b>NM.27A</b>	27	BA.45B	GA.45B	54	44	60	18	6	0,520
<b>NM.28A</b>	28	BA.45B	GA.45B	54	44	60	18	6	0,520
<b>NM.29A</b>	29	BA.45B	GA.45B	54	46	60	18	6	0,520
<b>NM.30A</b>	30	BA.45B	GA.45B	54	48	63	20	6	0,750
<b>NM.32A</b>	32	BA.45B	GA.45B	54	50	63	22	6	0,760
<b>NM.33A</b>	33	BA.45B	GA.45B	54	52	63	22	6	0,750
<b>NM.34A</b>	34	BA.45B	GA.45B	54	52	63	22	6	0,750
<b>NM.35A</b>	35	BA.45B	GA.45B	54	54	63	24	6	0,800
<b>NM.36A</b>	36	BA.45B	GA.45B	54	56	65	24	6	0,840
<b>NM.38A</b>	38	BA.45B	GA.45B	54	58	65	26	6	0,840
<b>NM.41A</b>	41	BA.45B	GA.45B	54	63	70	27	6	1,040
<b>NM.42A</b>	42	BA.45B	GA.45B	54	66	70	30	6	1,040
<b>NM.46A</b>	46	BA.45B	GA.45B	54	68	70	30	6	1,500
<b>NM.50A</b>	50	BA.45B	GA.45B	54	73	75	33	6	1,650
<b>NM.52A</b>	52	BA.45B	GA.45B	54	75	80	36	6	1,750
<b>NM.54A</b>	54	BA.45B	GA.45B	54	78	80	36	6	1,790
<b>NM.55A</b>	55	BA.45B	GA.45B	54	80	80	36	6	1,840
<b>NM.56A</b>	56	BA.45B	GA.45B	54	83	82	39	6	2,060
<b>NM.58A</b>	58	BA.45B	GA.45B	54	85	82	39	6	2,190
<b>NM.60A</b>	60	BA.45B	GA.45B	54	87	82	39	6	2,370
<b>NM.65A</b>	65	BA.45B	GA.45B	54	93	87	45	6	2,730
<b>NM.70A</b>	70	BA.45B	GA.45B	54	99	94	45	6	2,980
<b>NM.75A</b>	75	BA.76B	GA.77B	86	106	100	48	6	3,300
<b>NM.77A</b>	77	BA.76B	GA.77B	86	108	100	52	6	3,500

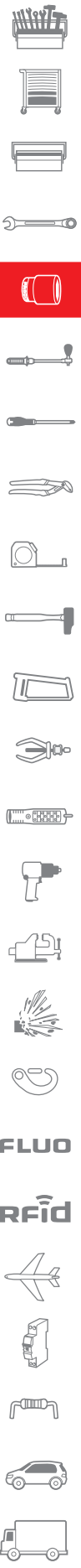
NM.LA - 1" drive long-reach metric 6-point impact sockets



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]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⊕ [mm]	ΔΔ [kg]
<b>NM.22LA</b>	22	BA.45B	GA.45B	54	40	100	17	6	1,0
<b>NM.24LA</b>	24	BA.45B	GA.45B	54	42	100	18	6	1,0
<b>NM.27LA</b>	27	BA.45B	GA.45B	54	46	100	18	6	1,1
<b>NM.29LA</b>	29	BA.45B	GA.45B	54	49	100	18	6	1,2
<b>NM.30LA</b>	30	BA.45B	GA.45B	54	50	100	20	6	1,2
<b>NM.32LA</b>	32	BA.45B	GA.45B	54	50	100	22	6	1,3
<b>NM.33LA</b>	33	BA.45B	GA.45B	54	52	100	22	6	1,3
<b>NM.34LA</b>	34	BA.45B	GA.45B	54	52	100	22	6	1,3
<b>NM.35LA</b>	35	BA.45B	GA.45B	54	54	100	24	6	1,3
<b>NM.36LA</b>	36	BA.45B	GA.45B	54	56	100	24	6	1,5
<b>NM.38LA</b>	38	BA.45B	GA.45B	54	58	100	26	6	1,5
<b>NM.41LA</b>	41	BA.45B	GA.45B	54	63	100	27	6	1,7
<b>NM.42LA</b>	42	BA.45B	GA.45B	54	64	100	27	6	1,7
<b>NM.46LA</b>	46	BA.45B	GA.45B	54	68	100	30	6	1,6
<b>NM.50LA</b>	50	BA.45B	GA.45B	54	73	100	33	6	1,9
<b>NM.54LA</b>	54	BA.45B	GA.45B	54	78	100	36	6	1,8
<b>NM.55LA</b>	55	BA.45B	GA.45B	54	80	100	36	6	1,9
<b>NM.60LA</b>	60	BA.45B	GA.45B	54	87	120	39	6	2,2
<b>NM.65LA</b>	65	BA.45B	GA.45B	54	93	120	45	6	2,2
<b>NM.70LA</b>	70	BA.45B	GA.45B	54	99	125	45	6	2,2



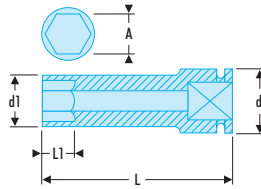
IMPACT SOCKETS 1" AND ACCESSORIES

**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.

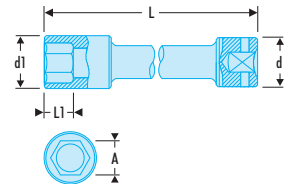


⚙️	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⚙️	ΔΔ [kg]
<b>NMB.24</b>	24	BA.45B	GA.45B	54	42	100	18	6	0.940
<b>NMB.27</b>	27	BA.45B	GA.45B	54	46	100	18	6	1.0
<b>NMB.30</b>	30	BA.45B	GA.45B	54	50	100	20	6	1.0
<b>NMB.32</b>	32	BA.45B	GA.45B	54	50	100	22	6	1.0
<b>NMB.33</b>	33	BA.45B	GA.45B	54	52	100	22	6	1.0
<b>NMB.36</b>	36	BA.45B	GA.45B	54	56	100	24	6	1.1
<b>NMB.46</b>	46	BA.45B	GA.45B	54	68	100	30	6	1.5
<b>NMB.50</b>	50	BA.45B	GA.45B	54	73	100	33	6	1.5

**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]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	⚙️	ΔΔ [kg]
<b>NM.32ELA</b>	32	BA.45B	GA.45B	54	52	270	32	6	2.6
<b>NM.33ELA</b>	33	BA.454B	GA.45B	54	53	270	33.0	6	2.6

**12-point 1" impact socket**



- Dimensions 65 mm.
- Special hubs.

⚙️	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	12 [mm]	ΔΔ [g]
<b>NMD.65A</b>	65	62	93	80	35	12	1.850

**NM.A - 1" drive impact extensions**

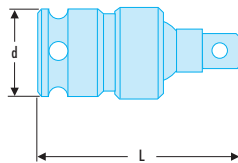


ASME B107.2

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

⚙️	BA	GA	d [mm]	L [mm]	ΔΔ [kg]
<b>NM.209A</b>	BA.45B	GA.45B	54	125	1.2
<b>NM.210A</b>	BA.45B	GA.45B	54	200	1.6
<b>NM.215A</b>	BA.45B	GA.45B	54	330	2.5

**1" drive impact universal joint**

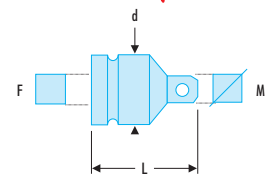


ASME B107.2

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

⚙️	BA	GA	d [mm]	L [mm]	ΔΔ [kg]
<b>NM.240A</b>	BA.45B	GA.45B	54	110	2.0

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



ASME B107.2

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

⚙️	BA	GA	d [mm]	L [mm]	Square ["]	ΔΔ [kg]
<b>NM.230A</b>	BA.45B	GA.45B	54	75	F = 1" - M = 3/4"	0.540
<b>NM.231A</b>	BA.45B	GA.45B	54	154	F = 1" - M = 3/4"	1.0

IMPACT SOCKETS 1" 1/2 AND ACCESSORIES

1" to 1/2" impact coupler



ASME B107.2

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

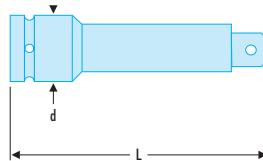
Part No.	BA	GA	d [mm]	d1 [mm]	ΔΔ [kg]
NM.232A	BA.45B	GA.45B	54	90	1,50

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.



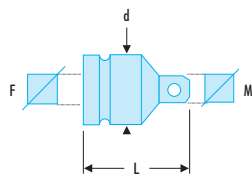
Part No.	BA	GA	d [mm]	L [mm]	ΔΔ [kg]
NG.210A	BA.74B	GA.75B	86	250	5.6

1 1/2" to 1" impact coupler



ASME B107.2

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



Part No.	BA	GA	d [mm]	L [mm]	Square ["]	ΔΔ [kg]
NG.230A	BA.74B	GA.75B	86	98	F = 1" 1/2 - M = 1"	2.2

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

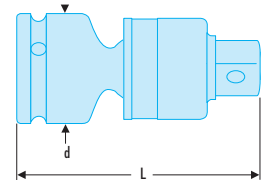


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

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

Part No.	A [mm]	BA	GA	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 [mm]	ΔΔ [kg]
NG.55A	55	BA.74B	GA.75B	86	87	90	38	6	2.5
NG.60A	60	BA.74B	GA.75B	86	94	92	38	6	2.9
NG.65A	65	BA.74B	GA.75B	86	100	95	40	6	3.2
NG.70A	70	BA.74B	GA.75B	86	106	100	43	6	3.8
NG.75A	75	BA.74B	GA.75B	86	112	103	45	6	3.9
NG.80A	80	BA.74B	GA.75B	86	119	110	51	6	4.6
NG.85A	85	BA.74B	GA.75B	86	125	118	52	6	5.4
NG.90A	90	BA.74B	GA.75B	86	131	118	52	6	5.7
NG.95A	95	BA.74B	GA.75B	95	137	118	52	6	6.6
NG.100A	100	BA.74B	GA.75B	95	144	125	59	6	7.2
NG.105A	105	BA.74B	GA.75B	95	150	125	59	6	7.8
NG.110A	110	BA.74B	GA.75B	95	156	125	59	6	8.6
NG.115A	115	BA.74B	GA.75B	95	162	135	67	6	9.7
NG.120A	120	BA.74B	GA.75B	95	169	135	67	6	9.5

1 1/2" impact universal joint



ASME B107.2

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

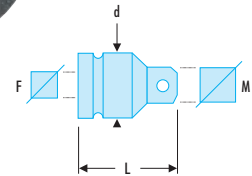
Part No.	BA	GA	d [mm]	L [mm]	ΔΔ [kg]
NG.240A	BA.74B	GA.75B	86	172	4.2

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.



Part No.	BA	GA	d [mm]	L [mm]	Square ["]	ΔΔ [kg]
NG.232A	BA.74B	GA.75B	86	120	F = 1" 1/2 - M = 2" 1/2	3.9

