



SCREWDRIVERS - KEYS - BITS



SCREWDRIVERS

416

PROTWIST® screwdrivers sets and modules	418
PROTWIST® screwdrivers for slotted head screws	419
PROTWIST® screwdrivers for Phillips® screws	422
PROTWIST® screwdrivers for Pozidriv® screws	423
PROTWIST® screwdrivers for square head screws	424
PROTWIST® screwdrivers for Torx® and Resistorx® screws	424
PROTWIST® stainless steel screwdrivers	426
PROTWIST® SHOCK screwdrivers	428
PROTWIST® 1,000 Volt insulated screwdrivers sets and modules	430
PROTWIST® 1,000 Volt insulated screwdrivers	431
PROTWIST® BORNEO® screwdrivers for electrical terminals	433
ISORYL screwdrivers for slotted head screws	434
ISORYL screwdrivers for Phillips® screws	435
ISORYL screwdrivers for Pozidriv® screws	436
Sets of wood handle screwdrivers	436
Wood handle screwdrivers for slotted head screws	437
Wood handle screwdrivers for cross-headed screws	437
Multiblade screwdrivers	438
Bit-holding screwdrivers	441
Voltage-tester screwdrivers	442
Magnetiser - Demagnetiser	442
Screw holder	443
Angled screwdrivers	444



KEYS

444

Key sets in bag	444
Key ringsets	445
Key sets in bag	445
Wallet of keys	447
Sleeve-sets of keys	448
Hexagon keys	449
Stainless steel hexagon keys	451
Torx® hexagon keys	452
Spinner keys - P spinner keys	453
Special profile keys	457



SCREW BITS

458

Standard bits series 0 - drive 4 mm	459
Standard bits series 1 - 1/4" - 6.35 mm drive	460
Sets of standard series 1 bits + bit holder in bag - 1/4" - 6.35 mm drive	464
Modules of standard series 1 bits - 1/4" - 6.35 mm drive	466
High power bits series 1 - 1/4" - 6.35 mm drive	466
High power Titanium bits series 1 - 1/4" - 6.35 mm drive	468
Standard bits series 2 - 5/16" - 7.94 mm drive	469
Standard bits series 6 - 1/4" - 6.35 mm grooved drive	471
Sets of high power series 6 bits - 1/4" - 6.35 mm grooved drive	473
Bit holders and accessories for manual screwing	474
Bit holders and accessories for non impact powered screwing	475
Series 2 impact bits - 5/16" - 7.94 mm drive	476
Impact bits series 3 - 1/2" drive - 12,7 mm	478
Impact bits sets	479
3/8" drive series impact screwdriver	480
1/2" drive series impact screwdriver	481



HIGH PERFORMANCE SCREWDRIVERS

PROTWIST® Next generation
+100% Longer tip life*.
More comfort.



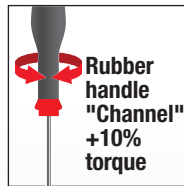
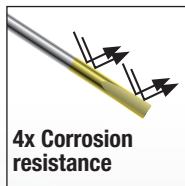
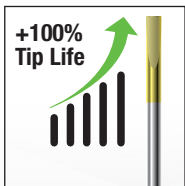
New handle "Channel"
+10% Torque

Laser marking
Virtually permanent marking

New improved handle material
Softer and chemical resistant

New inline hardening
+100% Bar strength*

Blade "tri-coating" treatment (Zinc-Nickel-Chromium)
4x Corrosion resistance*

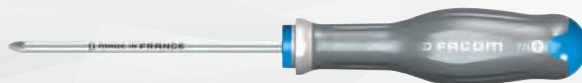


Chemical resistant
Softer grade

SPECIFIC RANGES



SHOCK



STAINLESS



1000 VOLTS
IN 6900

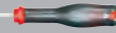








RFID FLUO

*Versus current FACOM Protwist

CHOOSING THE RIGHT SCREWDRIVER FOR YOUR NEEDS

								
Model	PROTWIST	POWER	SHOCK	STAINLESS	INSULATED	TETHERED SLS	RFID	FLUO
	AT	ATWH	ATW.CK	AT.ST	AT.VE	AT.SLS	AT.RFID	AT.F
	1. Stubby 2. Standard 3. Long Reach	1. Standard	1. Standard	1. Standard	1. Standard	1. Standard	1. Stubby 2. Standard 3. Long Reach	1. Stubby 2. Standard 3. Long Reach
	2.5mm-12mm	5.5mm-14mm	4mm-14mm	4mm-8mm	2.5mm-12mm SLIM 3.5-6.5mm	2mm-10mm	2mm-10mm	2.5mm-10mm
	0-4	1-4	1-3	1-2	0-4 SLIM 1-2	1-2	0-3	0-3
	0-4	1-4	1-3	1-2	0-3 SLIM 1-2	1-3	0-3	2
	1-3	-	-	-	-	-	-	-
	6-40	-	-	10-40	-	-	10-40	15-20
	10-40	-	-	-	-	-	-	-
	5-40	-	-	-	-	-	-	-
	10-40	-	-	-	-	-	-	-
	-	-	-	-	1-2 PH/1-2 PZ SLIM 1-2 PH/1-2 PZ	-	-	-
	-	-	-	-	-	-	2-8	3-4-5
	-	-	-	-	-	-	PZ1-2. PH1-2 Slotted 2-8	PZ1-2. PH1-2 Slotted 2.5-5.5

Model							
Key market	IA/PRO	IA/PRO	Heavy duty. AutoPro Construction	Food/Marine Aerospace	Electrical	Work at height/mobile contractors	Aerospace
Position	Intensive Long life	Ultimate torque	Unbreakable	No FOD/hygiene	Live work	Tool security	Tool detection
Key feature	New CNC milling* New heat treatment Optimised bar materials	Hex blade and bolster	Through tang impact start	Stainless steel	Fully insulated 1000 volts VDE Slim profile	Tethered	Fluo
Key benefit	+100% Tip life	High torque = harder screwing	Screw release	Rust resistance	Electrical safe Narrow access	No risk of falling tools	High visibility

*Computer Numerical Control.



PROTWIST® SCREWDRIVERS SETS AND MODULES

PROTWIST® screwdrivers sets



- Inline hardening process
 - +100% tip life and +100% bar strength.
- Handle material
 - softer for more comfort and still remove
 - chemical resistant.
- 4x corrosion resistance.
- Handle "channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



Content set	Qty	ΔΔ [g]
ATD.J5 ATD0X75 - ATD1X100 - ATD2X125 - ATD3X150 - ATD4X200	5	750
ATP.J5 ATP0X75 - ATP1X100 - ATP2X125 - ATP3X150 - ATP4X200	5	750
ATX.J6 ATX10X75 - ATX15X75 - ATX20X100 - ATX25X100 - ATX30X125 - ATX40X150	6	680
ATXP.J6 ATXP10X75 - ATXP15X75 - ATXP20X100 - ATXP25X100 - ATXP30X125 - ATXP40X150	6	680
ATXR.J5 ATXR10X75 - ATXR15X75 - ATXR20X100 - ATXR25X100 - ATXR30X125	5	510
ATXRP.J5 ATXRP10X75 - ATXRP15X75 - ATXRP20X100 - ATXRP25X100 - ATXRP30X125	5	450
ATP.J6 AT3,5X75 - AT4X100 - AT5,5X150 - AT6,5X150 - ATP1X100 - ATP2X125	6	590
ATD.J6 AT3,5X75 - AT4X100 - AT5,5X150 - AT6,5X150 - ATD1X100 - ATD2X125	6	600
AT.J10 AT3,5X75 - AT4X100 - AT5,5X150 - ATF6,5X150 - ATWH8X150 - ATWH10X200 - ATP1X100 - ATP2X125 - ATD1X100 - ATD2X125	10	1190
ATWP.J6 AT4X100 - AT5,5X150 - ATWH6,5X150 - ATWH8X200 - ATWPH1X100 - ATWPH2X125	6	720
ATWH.J13 AT3,5X75 - AT4X100 - AT5,5X100 - ATWH6,5X150 - AWH8X150 - AWH10X200 - AT4X25 - AT6,5X35 - ATP1X100 - ATP2X125 - ATP2X35 - ATD1X100 - ATD2X125	13	1400

Screwdriver rack



- Store up to 6 screwdrivers.
- Any size.
- Safe storage with no risk of damage.



H [mm]	L [mm]	ΔΔ [g]
CKS.08A	38	238
		40

Thermo-formed PROTWIST® screwdriver module



- Drawer tool storage for safety and productivity.
- Tool storage organised in the drawers.
- Thermo-formed pressed polystyrene module.



H [mm]	L [mm]	Tray	Qty	ΔΔ [g]
MOD.AT1	40	PL.325	8	985
MOD.AT3	40	PL.326	8	785
MOD.ATX	40	PL.327	7	840
MOD.ATXR	40	PL.327	7	840
MOD.AT2	40	PL.631	8	750
MOD.AT4	40	PL.676	9	995
MOD.AT5	40	PL.677	10	900
MOD.AT6	40	PL.678	10	900
MOD.AT7	40	PL.325	8	1000

Foam PROTWIST® screwdriver module



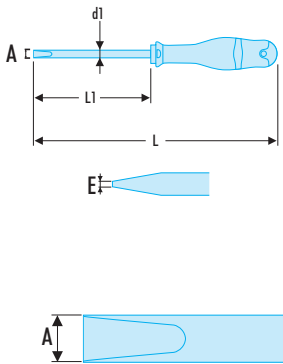
- Tool storage organised in the drawers = productivity, comfort and safety.
- Dual colour high density foam:
 - Instant tool availability check.
 - Resistant to crushing, hydrocarbons, hydraulic fluids and detergents.
- Easy grip thanks to finger holes.
- Optimised tool holding during transport.



H [mm]	L [mm]	Tray	Qty	ΔΔ [g]
MODM.AT1	45	PM.MODAT1	8	900
MODM.AT3	45	PM.MODAT3	9	763
MODM.ATXR	45	PM.MODATXR	7	763
MODM.AT2	45	PM.MODAT2	8	900
MODM.AT4	45	PM.MODAT4	9	900
MODM.AT5	45	PM.MODAT5	10	900
MODM.AT6	45	PM.MODAT6	10	900

PROTWIST® SCREWDRIVERS FOR SLOTTED HEAD SCREWS

AT - PROTWIST® screwdrivers for slotted head screws - milled blades

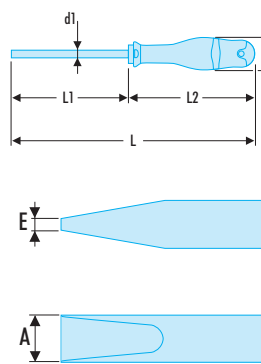


NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- Round shank for access in holes.
- Extra-long shank up to 300 mm for difficult and remote access.
- Inline hardening process - +100% tip life and +100% bar strength
- Handle material - softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x Corrosion Resistance.
- Handle "Channel" - +10% torque.
- Laser Marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.

ED	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
AT2X75	2,0	19	2,0 x 75	0,4	169	94	18
AT2.5X50	2,5	19	2,5 x 50	0,4	144	94	20
AT2.5X75	2,5	19	2,5 x 75	0,4	169	94	21
AT3X75	3,0	19	3,0 x 75	0,5	178	94	32
AT3X100	3,0	19	3,0 x 100	0,5	203	94	33
AT3.5X75	3,5	25	3,5 x 75	0,6	178	103	41
AT3.5X100	3,5	25	3,5 x 100	0,6	203	103	43
AT3.5X250	3,5	25	3,5 x 250	0,6	353	103	55
AT4X100	4,0	25	4,0 x 100	0,8	209	103	47
AT4X150	4,0	25	4,0 x 150	0,8	259	103	52
AT4X200	4,0	25	4,0 x 200	0,8	309	103	57
AT4X300	4,0	25	4,0 x 300	0,8	409	103	120
AT5.5X100	5,5	30	5,5 x 100	1,0	209	109	82
AT5.5X125	5,5	30	5,5 x 125	1,0	234	109	87
AT5.5X150	5,5	30	5,5 x 150	1,0	259	109	91
AT5.5X200	5,5	30	5,5 x 200	1,0	309	109	105
AT5.5X300	5,5	30	5,5 x 300	1,0	409	109	130
AT6.5X125	6,5	36	6,5 x 125	1,2	245	120	132
AT6.5X150	6,5	36	6,5 x 150	1,2	270	120	140
AT6.5X200	6,5	36	6,5 x 200	1,2	320	120	153
AT6.5X300	6,5	36	6,5 x 300	1,2	420	120	180

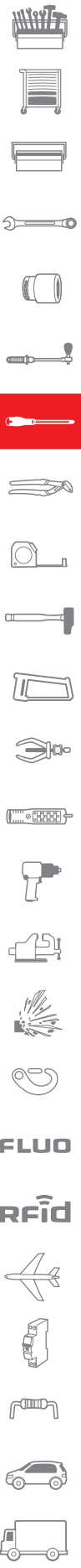
ATF - PROTWIST® screwdrivers for slotted head screws - forged blades



NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

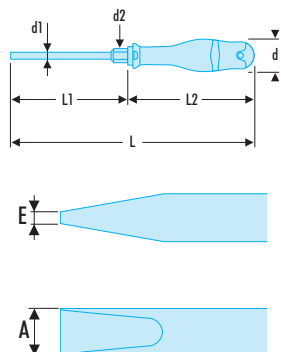
- Forged blade with excellent tip fibre for high torsion strength.
- Extra-long shank up to 250 mm for difficult and remote access.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x Corrosion Resistance.
- Handle "Channel" - +10% torque.
- Laser Marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.

ED	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
ATF5.5X100	5,5	30	5,5 x 100	1,0	209	109	76
ATF5.5X150	5,5	30	5,5 x 150	1,0	259	109	84
ATF6.5X100	6,5	36	6,0 x 100	1,2	220	120	120
ATF6.5X150	6,5	36	6,0 x 150	1,2	270	120	131
ATF8X150	8,0	40	7,0 x 150	1,2	275	125	149
ATF8X200	8,0	40	7,0 x 200	1,2	325	125	164
ATF10X200	10,0	40	9,0 x 200	1,6	325	125	214
ATF10X250	10,0	40	9,0 x 250	1,6	375	125	268

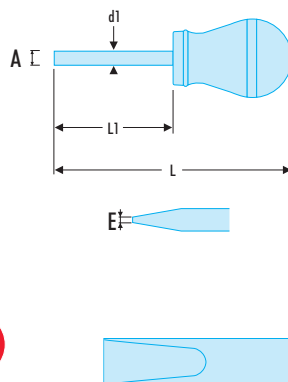


PROTWIST® SCREWDRIVERS FOR SLOTTED HEAD SCREWS

■ ATWH - PROTWIST® screwdrivers for slotted head screws - POWER series



■ AT - PROTWIST® screwdrivers for slotted head screws - short blades



NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- Hexagonal blade with shoulder to take a wrench.
- Extra-long shank up to 250 mm for difficult and remote access.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.

ED	A [mm]	d [mm]	d1 x L1 [mm]	d2 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
ATWH5.5X125	5,5	30	5 x 125	8	1,0	234	109	90
ATWH6.5X150	6,5	36	6 x 150	10	1,2	270	120	135
ATWH8X175	8,0	40	7 x 175	11	1,2	300	125	160
ATWH8EX175	8,0	40	8 x 175	12	1,6	300	125	220
ATWH10X175	10,0	40	9 x 175	14	1,6	300	125	320
ATWH12X200	12,0	40	10 x 200	14	2,0	325	125	350
ATWH12X250	12,0	40	10 x 250	14	2,0	375	125	375
ATWH14X250	14,0	40	12 x 250	16	2,5	375	125	450

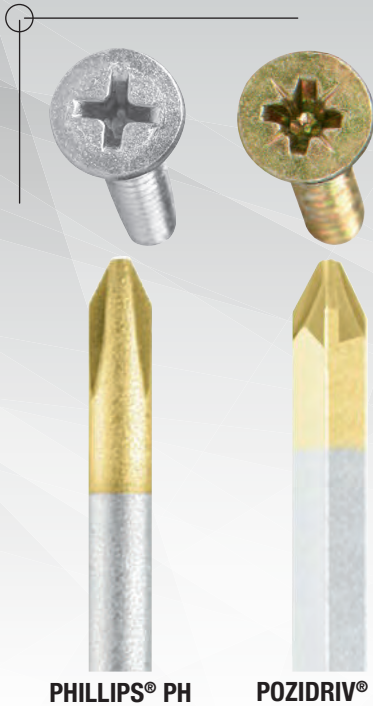
NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- Short round blade and ball handle for use in confined spaces.
- Inline Hardening Process - +100% Tip Life and +100% Bar Strength.
- Handle Material - Softer for more Comfort and still Chemical Resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.

ED	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
AT4X25	4,0	36	4,0 x 25	0,8	81	56	35
AT4X35	4,0	36	4,0 x 35	0,8	91	56	36
AT5.5X35	5,5	36	5,5 x 35	1,0	91	56	41
AT6.5X35	6,5	36	6,5 x 35	1,2	91	56	46

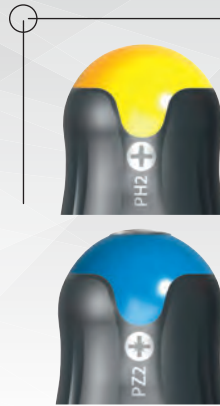
CHOOSING THE RIGHT SCREWDRIVER FOR CROSS-HEADS

Power - Durability - Quality



The two main cross-head types have very different profiles. Choosing the right screwdriver is crucial for:

- Extending tool life.
- Protecting screw patterns.
- Transmitting maximum torque without wear, particularly with difficult fasteners.

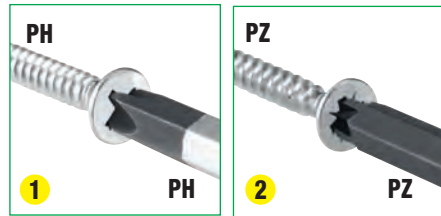


Each tip pattern has a different colour code to help you choose the right screwdriver.

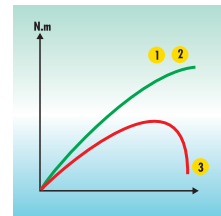
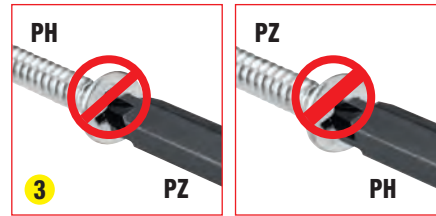
- Yellow for PHILLIPS® screwdrivers and blue for POZIDRIV® screwdrivers.
- A pictogram of the pattern is also shown on the colour coded end.

SMALL DIFFERENCES CAN HAVE A BIG EFFECT

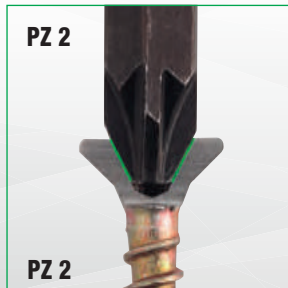
Correct patterns and sizes



Incorrect patterns or sizes



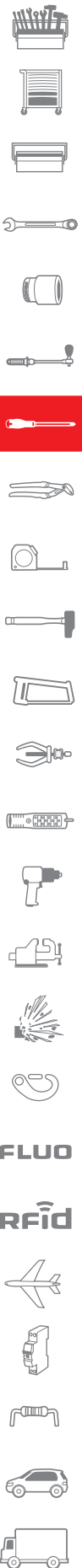
Screwdriver-to-fastener torque transmission.



Using the right screwdriver for the fastener optimises contact areas and transmits maximum torque.



Using the wrong screwdriver reduces contact areas, increases risk of wear or breakage (worn tips, broken fins) which can damage fasteners and assemblies, and may even cause injury.



FLUO

RFid

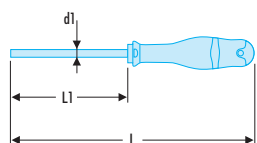
PROTWIST® SCREWDRIVERS FOR PHILLIPS® SCREWS

ATP - PROTWIST® screwdrivers for Phillips® screws - round blades



NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Extra-long blade up to 400 mm for difficult and remote access.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



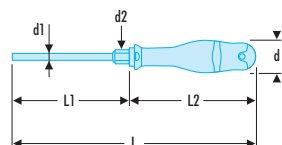
➤	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Phillips [No]	ΔΔ [g]
ATP0X75	25	3,0 x 75	178	103	PH0	45
ATP1X75	30	4,5 x 75	184	109	PH1	73
ATP1X100	30	4,5 x 100	209	109	PH1	76
ATP1X250	30	4,5 x 250	359	109	PH1	99
ATP2X100	36	6,0 x 100	220	120	PH2	120
ATP2X125	36	6,0 x 125	245	120	PH2	126
ATP2X250	36	6,0 x 250	370	120	PH2	153
ATP2X400	36	6,0 x 400	520	120	PH2	186
ATP3X150	40	8,0 x 150	275	125	PH3	194
ATP4X200	40	10,0 x 200	325	125	PH4	277

ATWPH - PROTWIST® screwdrivers for Phillips® screws - POWER series



NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Hexagonal blade with shoulder to take a wrench.
- Inline hardening process - +100% Tip Life and +100% bar strength.
- Handle Material - Softer for more Comfort and still Chemical Resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



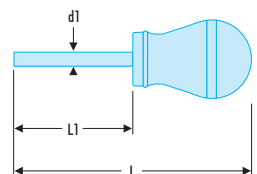
➤	d [mm]	d1 x L1 [mm]	d2 [mm]	L [mm]	L2 [mm]	Phillips [No]	ΔΔ [g]
ATWPH1X100	30	5 x 100	8	209	109	PH1	70
ATWPH2X125	36	6 x 125	10	245	120	PH2	130
ATWPH3X150	40	8 x 150	12	275	125	PH3	200
ATWPH4X200	40	10 x 200	14	325	125	PH4	280

ATP - PROTWIST® screwdrivers for Phillips® screws - short blades



NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Short blade and ball handle for use in confined spaces.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x Corrosion Resistance.
- Handle "Channel" - +10% torque.
- Laser Marking - gives virtually Permanent Marking.
- CNC tip machining - gives better Screw Fit increasing Torque Transfer and Reducing Wear.



➤	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Phillips [No]	ΔΔ [g]
ATP1X25	36	4,5 x 25	81	56	PH1	38
ATP1X35	36	4,5 x 35	91	56	PH1	39
ATP2X35	36	6,0 x 35	91	56	PH2	44

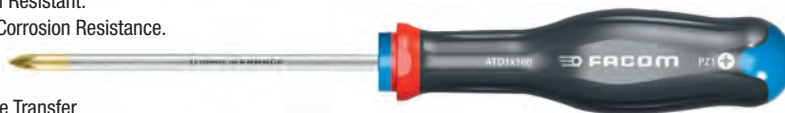
PROTWIST® SCREWDRIVERS FOR POZIDRIV® SCREWS

■ ATD - PROTWIST® screwdrivers for Pozidriv® screws - round blades

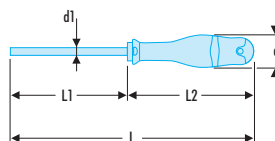


NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Inline Hardening Process - +100% Tip Life and +100% Bar Strength.
- Handle Material - Softer for more Comfort and still Chemical Resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x Corrosion Resistance.
- Handle "Channel" - +10% Torque.
- Laser Marking - gives virtually Permanent Marking.
- CNC tip machining - gives better Screw Fit increasing Torque Transfer and Reducing Wear.



Model	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Pozidriv [No]	ΔΔ [g]
ATD0X75	25	3,0 x 75	178	103	PZ0	45
ATD1X75	30	4,5 x 75	184	109	PZ1	73
ATD1X100	30	4,5 x 100	209	109	PZ1	76
ATD1X250	30	4,5 x 250	359	109	PZ1	99
ATD2X100	36	6,0 x 100	220	120	PZ2	120
ATD2X125	36	6,0 x 125	245	120	PZ2	126
ATD2X250	36	6,0 x 250	370	120	PZ2	153
ATD3X150	40	8,0 x 150	275	125	PZ3	194
ATD4X200	40	10,0 x 200	325	125	PZ4	277



■ ATWDH - PROTWIST® screwdrivers for Pozidriv® screws - POWER series

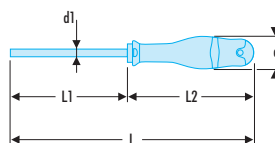


NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Hexagonal blade with shoulder to take a wrench.
- Silicon carbon blade: strong and resistant to flexion.
- Bi-material grip resists to impacts, abrasion, and chemicals.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x corrosion resistance.



Model	d [mm]	d1 x L1 [mm]	d2 [mm]	L [mm]	L2 [mm]	Pozidriv [No]	ΔΔ [g]
ATWDH1X100	30	5 x 100	8	209	109	PZ1	209
ATWDH2X125	36	6 x 125	10	245	120	PZ2	245
ATWDH3X150	40	8 x 150	12	275	125	PZ3	275
ATWDH4X200	40	10 x 200	14	325	125	PZ4	325



■ ATD - PROTWIST® screwdrivers for Pozidriv® screws - short blades

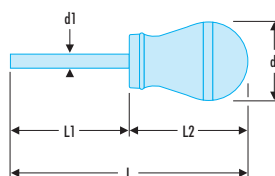


NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Short round blade and ball handle for use in confined spaces.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle Material - Softer for more Comfort and still Chemical Resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



Model	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Pozidriv [No]	ΔΔ [g]
ATD1X25	36	4,5 x 25	81	56	PZ1	38
ATD1X35	36	4,5 x 35	91	56	PZ1	40
ATD2X35	36	6,0 x 35	91	56	PZ2	45

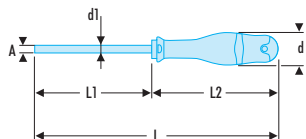


PROTWIST® SCREWDRIVERS FOR SQUARE HEAD SCREWS

■ ATSQ - PROTWIST® screwdrivers for Robertson® square head screws



- Inline hardening process
- +100% tip life and +100% bar strength.
- Handle material
- softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium)
- 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



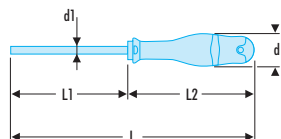
➤	A [mm]	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Robertson [No]	ΔΔ [g]
ATSQ1X75	4	30	4 x 75	184	109	SQ1	73
ATSQ2X100	5	36	5 x 100	220	120	SQ2	120
ATSQ3X125	6	40	6 x 125	250	125	SQ3	185

PROTWIST® SCREWDRIVERS FOR TORX® AND RESISTORX® SCREWS

■ ATX - PROTWIST® screwdrivers for Torx® screws



- Compliant with Torx® specifications.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle Material - Softer for more Comfort and still Chemical Resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium)
- 4x Corrosion Resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.

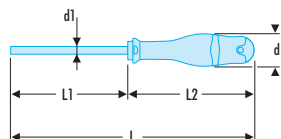


➤	A [mm]	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Torx [No]	ΔΔ [g]
ATX6X50	1,65	19	2,5 x 50	144	94	T6	20
ATX7X50	1,97	19	2,5 x 50	144	94	T7	20
ATX8X50	2,30	26	2,5 x 50	153	103	T8	35
ATX9X75	2,48	25	3,0 x 75	178	103	T9	45
ATX10X75	2,74	30	3,0 x 75	184	109	T10	50
ATX15X75	3,26	30	3,5 x 75	184	109	T15	61
ATX20X100	3,84	36	4,0 x 100	220	120	T20	67
ATX20X150	3,84	36	4,0 x 150	270	120	T20	73
ATX25X100	4,40	36	5,0 x 100	220	120	T25	113
ATX27X100	4,96	36	5,5 x 100	220	120	T27	113
ATX30X125	5,49	36	6,0 x 125	245	120	T30	126
ATX40X150	6,60	40	7,0 x 150	275	125	T40	173

■ ATXP - PROTWIST® screwdrivers for Torx Plus® screws



- Compliant with Torx Plus® specifications.
- Inline Hardening Process
- +100% Tip Life and +100% Bar Strength.
- Handle material - softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium) - 4x corrosion resistance
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



➤	A [mm]	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Resistorx [No]	ΔΔ [g]
ATXP5X50	1,42	19	2,5 x 50	144	95	IP5	20
ATXP6X50	1,65	19	2,5 x 50	144	95	IP6	20
ATXP7X50	1,97	19	2,5 x 50	144	95	IP7	20
ATXP8X50	2,30	25	2,5 x 50	153	103	IP8	35
ATXP9X75	2,48	25	3,0 x 75	178	103	IP9	45
ATXP10X75	2,74	30	3,0 x 75	184	109	IP10	50
ATXP15X75	3,26	30	3,5 x 75	184	110	IP15	61
ATXP20X100	3,84	36	4,0 x 100	220	120	IP20	67
ATXP25X100	4,40	36	5,0 x 100	220	120	IP25	113
ATXP27X100	4,96	36	5,5 x 100	220	120	IP27	113
ATXP30X125	5,49	36	6,0 x 125	245	120	IP30	126
ATXP40X150	6,60	40	7,0 x 150	275	125	IP40	173

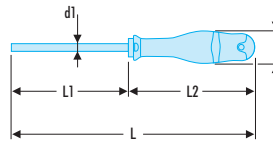
■ **ATXR - PROTWIST® screwdrivers for Resistorx® screws**



- Compliant with Resistorx® specifications.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium)
- 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



➤	A [mm]	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Resistorx [No]	ΔΔ [g]
ATXR10X75	2,74	25	3,0 x 75	184	109	TT10	50
ATXR15X75	3,26	30	3,5 x 75	185	110	TT15	61
ATXR20X100	3,84	36	4,0 x 100	220	120	TT20	67
ATXR25X100	4,40	36	5,0 x 100	220	120	TT25	113
ATXR27X100	4,96	36	5,5 x 100	220	120	TT27	113
ATXR30X125	5,49	36	6,0 x 125	245	120	TT30	126
ATXR40X150	6,60	40	7,0 x 150	275	125	TT40	173



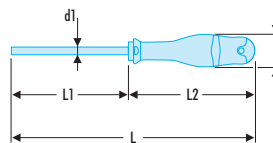
■ **ATXRP - PROTWIST® screwdrivers for Tamper Resistant Torx Plus® screws**



- Compliant with Tamper resistant Torx Plus® specifications.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium)
- 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser Marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



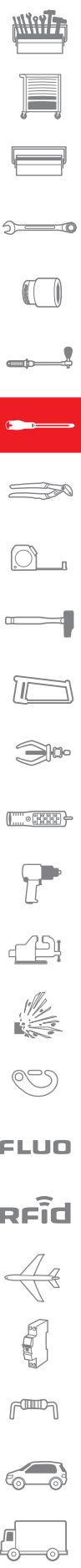
➤	A [mm]	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Resistorx [No]	ΔΔ [g]
ATXRP10X75	2,74	30	3,0 x 75	184	109	IPR10	50
ATXRP15X75	3,26	30	3,5 x 75	185	110	IPR15	61
ATXRP20X100	3,84	36	4,0 x 100	220	120	IPR20	67
ATXRP25X100	4,40	36	5,0 x 100	220	120	IPR25	113
ATXRP27X100	4,96	36	5,5 x 100	220	120	IPR27	113
ATXRP30X125	5,49	36	6,0 x 125	245	120	IPR30	126
ATXRP40X150	6,60	40	7,0 x 150	275	125	IPR40	173



■ **Set of 5 long shank Torx® screwdrivers**

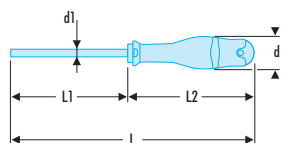


➤	Content set	Qty	ΔΔ [g]
ATX275.J5	T20 x 275 - T25 x 275 - T27 x 275 - T30 x 275 - T40 x 275 mm	5	800



PROTWIST® SCREWDRIVERS FOR TORX® AND RESISTORX® SCREWS

ATX275 - PROTWIST® screwdrivers for Torx® screws



- Compliant with Torx® specifications.
- Inline hardening process
 - +100% tip life and +100% bar strength.
- Handle material
 - Softer for more Comfort and still Chemical Resistant.
- Blade "tri-coating" treatment (Zinc-Nickel-Chromium)
 - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



Ref	A [mm]	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Torx [No]	ΔΔ [g]
ATX20X275	3,84	36	4,9 x 275	395	120	T20	67
ATX25X275	4,40	36	5,0 X 275	395	120	T25	113
ATX27X275	4,96	36	5,5 X 275	395	120	T27	113
ATX30X275	5,49	36	6,0 X 275	395	120	T30	126
ATX40X275	6,60	40	7,0 X 275	400	125	T40	173

PROTWIST® STAINLESS STEEL SCREWDRIVERS

Applications for stainless steel tools



- Industries sensitive to contamination: agro-food, clean rooms, laboratories, medical facilities.
- Rust-prone outdoor environments: marine environments, buildings (door and window fasteners, terraces).



PROTWIST®

Only use stainless steel screwdrivers to preserve the antirust characteristics of a stainless steel screw

- Standard screwdrivers produce metal particles which rust and contaminate stainless steel fasteners.
- Using a stainless steel screwdriver is the only way to guarantee non-contamination of the fastener, and high resistance to corrosion.

Screwdrivers combining resistance to oxidation, strength and screwing comfort

- Protwist ergonomic grip overmoulded on stainless steel blade, chosen for its high range characteristics and submitted to a precise and controlled thermal treatment.

Stainless steel X46Cr13

- Also used for high range food grade cutlery, surgical tools, brake discs, etc.

Vacuum quenching

- Guarantees mechanical characteristics and resistance to corrosion.

Bacteriological tests passed after sterilisation in autoclave

- 20 min at 120°C, 1 bar over-pressure.



PROTWIST® STAINLESS STEEL SCREWDRIVERS

Set of 6 PROTWIST® stainless steel screwdrivers N°1



- High corrosion resistance of stainless steel tools ensures a longer lifetime in environments prone to rust.
- The stainless steel blade Ref X46Cr13 is used in top range food cutlery, surgical tools, brake discs.
- Bi-material grip resists to impacts, abrasion, and chemicals.



Ref	Content set	Qty	ΔΔ [g]
ATDST.J6	AT4X100ST - AT5.5X100ST - ATF6.5X150ST - ATF8X175ST - ATD1X100ST - ATD2X125ST	6	620
ATPST.J6	AT4X100ST - AT5.5X100ST - ATF6.5150ST - ATF8X175ST - ATP1X100ST - ATP2X125ST	6	620

■ **AT.ST - ATF.ST - PROTWIST® stainless steel screwdrivers for slotted head screws**

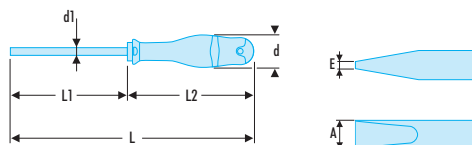


NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- High corrosion resistance of stainless steel tools ensures a longer lifetime in environments prone to rust.
- The stainless steel blade Ref X46Cr13 is used in top range food cutlery, surgical tools, brake discs.
- Bi-material grip resists to impacts, abrasion, and chemicals.



Ref	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
AT4X100ST	4,0	30	4,0 x 100	0,8	209	109	47
AT5.5X100ST	5,5	30	5,5 x 100	1,0	210	110	82
ATF6.5X150ST	6,5	36	6,5 x 150	1,2	270	120	153
ATF8X175ST	8,0	36	6,5 x 175	1,2	420	120	180

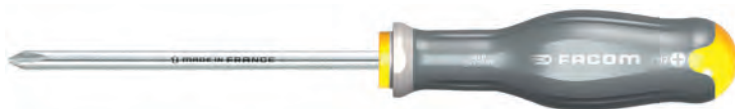


■ **ATP.ST - PROTWIST® stainless steel screwdrivers for Phillips® screws**

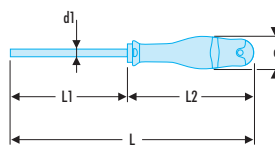


NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- High corrosion resistance of stainless steel tools ensures a longer lifetime in environments prone to rust.
- The stainless steel blade Ref X46Cr13 is used in top range food cutlery, surgical tools, brake discs.
- Bi-material grip resists to impacts, abrasion, and chemicals.



Ref	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Phillips [No]	ΔΔ [g]
ATP1X100ST	30	4,5 x 100	209	109	PH1	76
ATP2X125ST	36	6,0 x 125	245	120	PH2	126

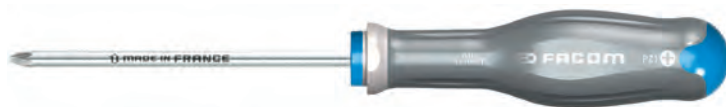


■ **ATD.ST - PROTWIST® stainless steel screwdrivers for Pozidriv® screws**

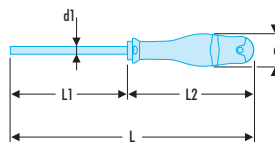


NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- High corrosion resistance of stainless steel tools ensures a longer lifetime in environments prone to rust.
- The stainless steel blade Ref X46Cr13 is used in top range food cutlery, surgical tools, brake discs.
- Bi-material grip resists to impacts, abrasion, and chemicals.



Ref	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Pozidriv [No]	ΔΔ [g]
ATD1X100ST	30	4,5 x 100	209	109	PZ1	76
ATD2X125ST	36	6,0 x 125	245	120	PZ2	126

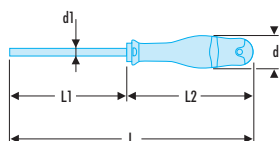


PROTWIST® STAINLESS STEEL SCREWDRIVERS

■ ATX.ST - PROTWIST® stainless steel for Torx® screws



- High corrosion resistance of stainless steel tools ensures a longer lifetime in environments prone to rust.
- The stainless steel blade Ref X46Cr13 is used in top range food cutlery, surgical tools, brake discs.
- Bi-material grip resists to impacts, abrasion, and chemicals.



	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Torx [No]	ΔΔ [g]
ATX10X75ST	30	3,0 x 75	184	109	T10	50
ATX15X75ST	30	3,5 x 75	184	109	T15	61
ATX20X100ST	36	4,0 x 100	220	120	T20	67
ATX25X100ST	36	5,0 x 100	220	120	T25	113
ATX30X125ST	36	6,0 x 125	245	120	T30	126
ATX40X150ST	40	7,0 x 150	275	125	T40	173

STAINLESS STEEL KEYS



Stainless steel keys: why?

- Very high resistance to oxidation:
 - No rust on the tool.
 - No fastener contamination.
- Non-coated treated stainless steel key:
 - No risk of flaking.
 - No loss of material.

For details of our complete range of stainless steel keys see p. 451



IMPACT ZONE SCREWDRIVER

Exceptional unlocking power



PROTWIST®

- The shockwave unlocks rusted fasteners for easier unfastening.
- Metal insert added.
- Optimum impact power transmission from the insert to the blade: metal insert associated with the modified polyamide core of the Protwist®.
- Major reduction of blow and vibrations in the hand upon impact: the blade and insert are not in direct contact, but separated by the polyamide.
- Positive grip: Protwist® ergonomic handle and soft material for efficient and comfortable grip.
- High strength: hexagonal blade in high alloy steel and insert to protect the impact zone.



PROTWIST® SHOCK SCREWDRIVERS

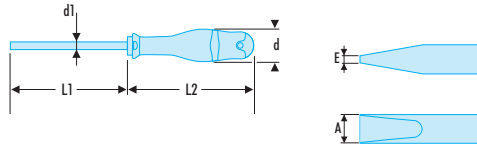
■ ATWH.CK - PROTWIST® SHOCK screwdrivers for slotted head screws

NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- Impact zone with steel strike - hexagonal blade with 73MO steel.
- Hexagonal blade with shoulder to take a wrench.
- Extra-long blade for use in confined spaces.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Golden electroplated Tip - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



Model	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
ATW4X100CK	4,0	25	4,1 x 100	0,8	204	104	57
ATWH5.5X125CK	5,5	25	4 x 100	1,0	204	104	57
ATWH6.5X150CK	6,5	30	5 x 125	1,2	235	110	88
ATWH8X175CK	8,0	36	6 x 150	1,2	270	120	147
ATWH10X175CK	10,0	40	7 x 175	1,6	300	125	195
ATWH12X200CK	12,0	40	10 x 200	2,0	325	125	292
ATWH14X250CK	14,0	40	10 x 250	2,5	375	125	322



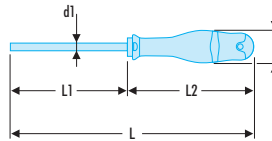
■ ATWPH.CK - PROTWIST® SHOCK screwdrivers for Phillips® screws

NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Impact zone with steel strike - hexagonal blade with 73MO steel.
- Hexagonal blade with shoulder to take a wrench.
- Extra-long blade for use in confined spaces.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Golden electroplated tip - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



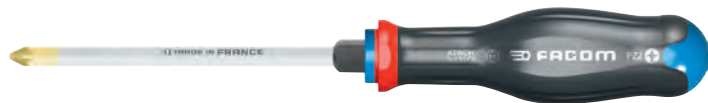
Model	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Phillips [No]	ΔΔ [g]
ATWPH1X100CK	30	5 x 100	209	109	PH1	70
ATWPH2X125CK	36	6 x 125	245	120	PH2	130
ATWPH3X150CK	40	8 x 150	275	125	PH3	200



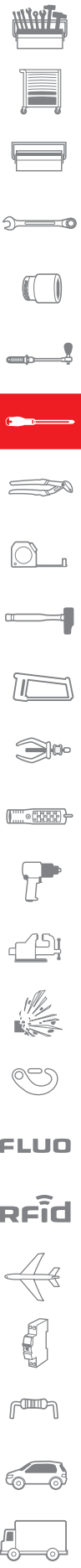
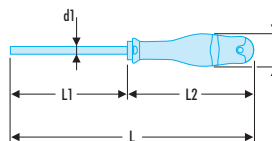
■ ATWDH.CK - PROTWIST® SHOCK screwdriver for Pozidriv® screws

NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Impact zone with steel strike - hexagonal blade with 73mo steel.
- Hexagonal blade with shoulder to take a wrench.
- Extra-long blade for use in confined spaces.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Golden electroplated Tip - 4x corrosion resistance.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



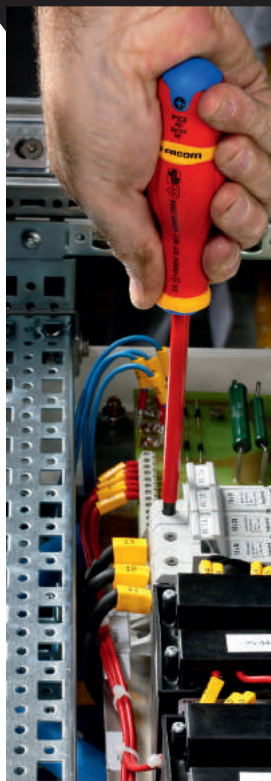
Model	d [mm]	d1 x L1 [mm]	d2 [mm]	L [mm]	L2 [mm]	Pozidriv [No]	ΔΔ [g]
ATWDH1X100CK	30	5 x 100	8	210	110	PZ1	86
ATWDH2X125CK	36	6 x 125	10	245	120	PZ2	142
ATWDH3X150CK	40	8 x 150	12	275	125	PZ3	211



PROTWIST® 1,000 VOLT INSULATED SCREWDRIVERS SETS AND MODULES

1,000 V INSULATED SCREWDRIVERS

FACOM VE-Series 1,000 V screwdrivers



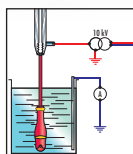
PROTWIST®

Tools built for electrical safety to European standard EN 60900 specifications, and designed for working on live components up to 1,000 V AC and 1,500 V DC.

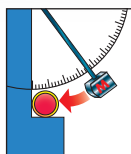
1000VOLTS
EN 60900

For your safety, every screwdriver is tested to 10,000 V for 10 seconds at the end of the manufacturing cycle.

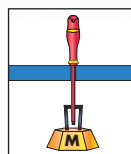
Tests performed in accordance with EN 60900.



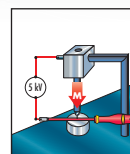
Electrical resistance



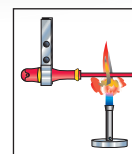
Impact resistance



Pull-off resistance



Penetration resistance



Combustion test

Safety first

Working on live components is hazardous. For your safety it is important that you

- Ensure that the insulation is not damaged by:

- heat (-20 to 70° working temperature)
- chemicals
- cuts or perforations.
- Visually check the insulation before use.



■ AT.VE - Sets of PROTWIST® 1,000 Volt insulated screwdrivers



- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material
 - softer for more comfort and still chemical resistant.
- Handle 'Channel' - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



	Content set	Qty	ΔΔ [g]
ATD.J5VE	AT3.5X100VE - AT4X100VE - AT5.5X125VE - ATD1X100VE - ATD2X125VE	5	430
ATP.J5VE	AT3.5X100VE - AT4X100VE - AT5.5X125VE - ATP1X100VE - ATP2X125VE	5	430
ATD.J8VE	AT2.5X75VE - AT3X100VE - AT3.5X100VE - AT4X100VE 6 - AT5.5X125VE - AT6.5X150VE - 6ATD1X100VE - 6ATD2X125VE	8	650

■ Module of 8 PROTWIST® 1,000 Volt insulated screwdrivers



	H [mm]	L [mm]	Tray	Content set	Qty	ΔΔ [kg]
MOD.AT1VE	40	418	PL.325	ATVE 3.5 - 4 - 5.5 - 6.5 - ATP1 x 100VE - ATP2 x 125VE - ATD1 x 100VE - ATD2 x 125VE	8	0.907

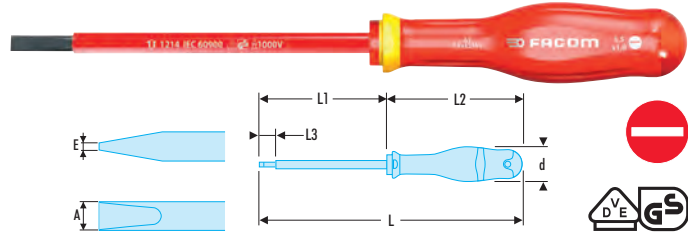
PROTWIST® 1,000 VOLT INSULATED SCREWDRIVERS FOR SLOTTED HEAD SCREWS

■ AT.VE - PROTWIST® 1,000 Volt insulated screwdrivers for slotted-head screws



NF ISO 2380-1, NF ISO 2380-2, NF EN 60900, ISO 2380-1, ISO 2380-2, EN 60900, DIN ISO 2380-1, DIN ISO 2380-2, DIN EN 60900, ASME B107.600

- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.
- Milled blade: --> 5.5 mm included.
- Fillet blade: 6.5 --> 12 mm.



Model	A [mm]	d [mm]	E [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
AT2X75VE	2,0	19	0,4	170	40	95	18	23
AT2.5X50VE	2,5	25	0,4	153	50	103	18	30
AT2.5X75VE	2,5	25	0,4	178	75	103	18	32
AT3X75VE	3,0	25	0,5	178	75	103	18	38
AT3X100VE	3,0	25	0,5	202	100	103	18	39
AT3.5X75VE	3,5	25	0,6	179	75	104	18	42
AT3.5X100VE	3,5	25	0,6	204	100	104	18	44
AT4X100VE	4,0	30	0,8	210	100	110	18	48
AT4X150VE	4,0	30	0,8	260	150	110	18	53

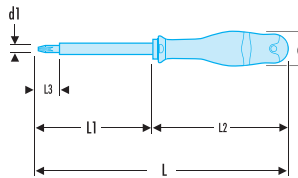
Model	A [mm]	d [mm]	E [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
AT5.5x125VE	5,5	30	1,0	235	125	110	18	88
AT5.5x150VE	5,5	30	1,0	260	150	110	18	92
AT5.5x200VE	5,5	30	1,0	310	200	110	18	106
AT6.5x150VE	6,5	36	1,2	270	150	120	18	120
AT6.5x200VE	6,5	36	1,2	320	200	120	18	170
AT8X150VE	8,0	40	1,2	275	150	125	18	160
AT8X200VE	8,0	40	1,2	325	200	125	18	180
AT10X200VE	10,0	40	1,6	325	200	125	18	240
AT12X250VE	12,0	40	2,0	375	250	125	18	360

■ ATP.VE - PROTWIST® 1,000 Volt insulated screwdrivers for Phillips® head screws



NF ISO 8764-1, NF ISO 8764-2, NF EN 60900, ISO 8764-1, ISO 8764-2, EN 60900, DIN ISO 8764-1, DIN ISO 8764-2, DIN EN 60900, ASME B107.600

- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



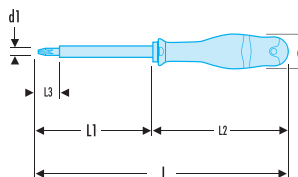
Model	d [mm]	d1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Phillips [No]	ΔΔ [g]
ATP0X75VE	25	3,0	179	75	104	18	PH0	46
ATP1X100VE	30	4,5	210	100	110	18	PH1	77
ATP2X125VE	36	6,0	215	125	120	18	PH2	127
ATP3X150VE	40	8,0	275	150	125	18	PH3	195
ATP4X200VE	40	10,0	375	200	125	18	PH4	278

■ ATD.VE - PROTWIST® 1,000 Volt insulated screwdrivers for Pozidriv® head screws

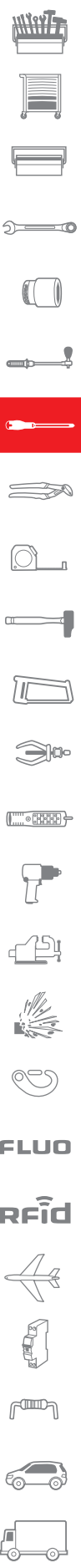


NF ISO 8764-1, NF ISO 8764-2, NF EN 60900, ISO 8764-1, ISO 8764-2, EN 60900, DIN ISO 8764-1, DIN ISO 8764-2, DIN EN 60900, ASME B107.600

- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



Model	d [mm]	d1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Pozidriv [No]	ΔΔ [g]
ATD0X75VE	25	3,0	179	75	104	18	PZ0	46
ATD1X100VE	30	4,5	209	100	109	18	PZ1	77
ATD2X125VE	36	6,0	245	125	120	18	PZ2	127
ATD3X150VE	40	8,0	275	150	125	18	PZ3	195

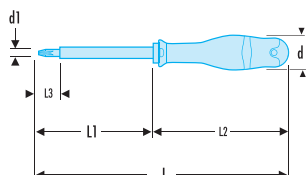


PROTWIST® 1,000 VOLT INSULATED SCREWDRIVERS FOR SLOTTED HEAD SCREWS

AT.TVE - PROTWIST® 1000 Volt insulated screwdrivers for slotted-head screws



- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Slim profile gives 27% more reach.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.
- Milled blade: --> 5.5 mm included.
- Fillet blade: 6.5 --> 12 mm.



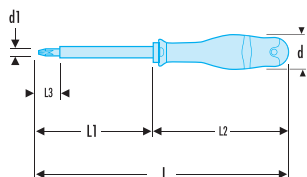
	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
AT3.5X100TVE	25	3.5	3.8	5.5	204	100	104	15	46
AT4X100TVE	30	4	4.3	6	210	100	110	15	65
AT5.5X125TVE	30	5.5	5.8	7.5	235	125	110	15	83
AT6.5X150TVE	36	6.5	6.8	8.5	270	150	120	15	134

PROTWIST® 1,000 VOLT INSULATED SCREWDRIVERS FOR PHILLIPS® SCREWS

ATP.TVE - PROTWIST® 1000 Volt insulated screwdrivers for Phillips® head screws



- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Slim profile gives 27% more reach.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



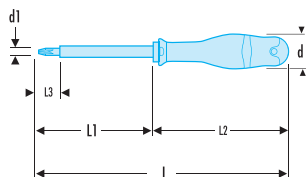
	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
ATP1x100TVE	30	4.5	4.8	6.5	210	100	110	18	70
ATP2x125TVE	36	6	6.3	8	245	125	120	18	120

PROTWIST® 1,000 VOLT INSULATED SCREWDRIVERS FOR POZIDRIV® SCREWS

ATD.TVE - PROTWIST® 1000 Volt insulated screwdrivers for Pozidriv® screws



- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Slim profile gives 27% more reach.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
ATD1x100TVE	30	4.5	4.8	6.5	210	100	110	18	70
ATD2x125TVE	36	6	6.3	8	245	125	120	18	120

PROTWIST® BORNEO® SCREWDRIVER SETS FOR ELECTRICAL TERMINALS

1,000 V INSULATED SCREWDRIVERS



Special screwdrivers for combination pattern heads used on switchgear.

Special pattern

- Specific driver pattern suitable for switches, relays, circuit-breakers, boxes, terminals, etc.

Powerful tightening

- Torque transmission considerably higher than with a conventional screwdriver.

Drive integrity

- More positive coupling preventing slippage, reduced wear of both fastener and screwdriver.
- More secure fit avoiding damage to enclosures and casings.



1,000 V SAFETY

- Screwdrivers to European standard EN 60900.
- Most switchgear has combination Pozidriv®/slotted heads (FACOM ADB series screwdrivers), but some uses Phillips®/slotted heads (FACOM APB series screwdrivers). Clean results can only be achieved with correct screwdriver/fastener contact.

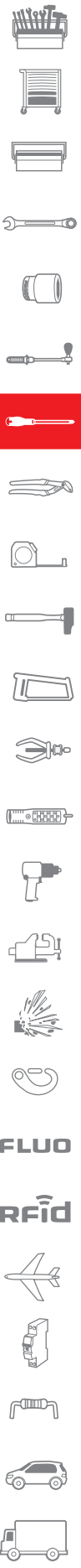


Set of PROTWIST® BORNEO® screwdrivers for mixed heads

- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Slim profile gives 27% more reach.
- Inline hardening process - +100% tip life and +100% bar strength.
- Handle material - softer for more comfort and still chemical resistant.
- Handle "Channel" - +10% torque.
- Laser marking - gives virtually permanent marking.
- CNC tip machining - gives better screw fit increasing torque transfer and reducing wear.



Content set	Qty	Δ [g]
ATB.J4TVE ATDB1X100TVE - ATDB2X125TVE - ATPB1X100TVE - ATPB2X125TVE	4	432
ATB.J8TVE AT3.5X100VE - AT4X100VE - AT5.5X125VE - AT6.5X150VE - ATDB1X100TVE - ATDB2X125TVE - ATPB1X100TVE - ATPB2X125TVE	8	864



PROTWIST® BORNEO® SCREWDRIVERS FOR ELECTRICAL TERMINALS

ATPB.TVE /ATDB.TVE- PROTWIST® BORNEO® screwdrivers for mixed heads - Phillips®/Pozidriv®



- For improved safety, each screwdriver is tested individually at 10,000 Volt for 10 seconds VDE approved.
- Slim profile gives 27% more reach - SHOW ICON.
- Inline hardening process
 - +100% tip life and +100% bar strength.
- Handle Material
 - softer for more comfort and still chemical resistant.
- Handle "Channel"
 - +10% torque.
- Laser Marking
 - gives virtually permanent marking.
- CNC tip machining
 - gives better screw fit increasing torque transfer and reducing wear.



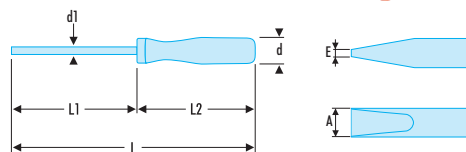
ED	d [mm]	d1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Phillips [No]	Pozidriv [No]	ΔΔ [g]
ATPB1x100TVE	30	5	210	100	110	18	PH1		75
ATPB2x125TVE	36	6	245	125	120	18	PH2		121
ATDB1x100TVE	30	5	210	100	110	18		PZ1	75
ATDB2x125TVE	36	6	245	125	120	18		PZ2	121

Sets of ISORYL screwdrivers



ED	Content set	Qty	Organizer for	ΔΔ [kg]
AS.4	AP.0X75 - AP.1X75 - AP.2X100 - AP.3X150 - AP.4X200 - AR.3,5X100 - AR.4X100 - AR.5,5X100 - AR.6,5X150	5	Rack	0,685
AJ.3	- AR.8X150 - ATH.8EX175 - A.3,5X100VE - AP.1X75 - AP.2X100 - AP.3X150 - AD.1X75 - AD.2X100 - AD.3X150 - AF	14	Box	1.2
AS.15	AR.3,5X100 - AR.4X100 - AR.5,5X100 - AR.6,5X100 - AR.8X150 - ATH.8EX175 - A3,5X100VE - AP.1X75 - AP.2X100 - AP.3X150 - AD.1X75 - AD.2X100 - AD.3X150 - AF	14	Rack	1.5

AR - ISORYL screwdrivers for slotted-head screws - milled blade



NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- Round blade milled for access to the bottom of the well.
- Finish: polished chromed.

ED	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
AR.2X40	2,0	16	2,0 x 40	0,4	110	70	13,50
AR.2,5X50	2,5	16	2,5 x 50	0,4	120	70	15,00
AR.2,5X75	2,5	16	2,5 x 75	0,4	145	70	16,00
AR.3X75	3,0	16	3,0 x 75	0,5	145	70	17,50
AR.3,5X75	3,5	20,5	3,5 x 75	0,6	155	80	31,00
AR.3,5X100	4,0	20,5	3,5 x 100	0,8	180	80	33,00
AR.4X100	4,0	24	4,0 x 100	0,8	190	90	45,00
AR.4X150	4,0	24	4,0 x 150	0,8	240	90	50,00
AR.5,5X100	5,5	28	5,5 x 100	1,0	200	100	71,00
AR.5,5X150	5,5	28	5,5 x 150	1,0	250	100	80,00
AR.5,5X200	5,5	28	5,5 x 200	1,0	300	100	89,00
AR.6,5X100	6,5	30	6,5 x 100	1,2	210	110	102,00
AR.6,5X150	6,5	30	6,5 x 150	1,2	260	110	114,00
AR.6,5X200	6,5	30	6,5 x 200	1,2	310	110	226,00
AR.8X150	8,0	30	8,0 x 150	1,2	260	110	141,00

ISORYL SCREWDRIVERS FOR SLOTTED HEAD SCREWS

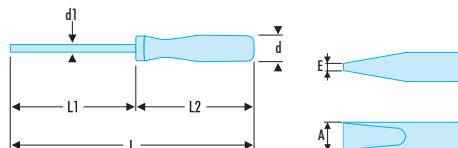
ARA - ISORYL screwdrivers for slotted-head screws - handle with clasp

NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- Finish: polished chromed.

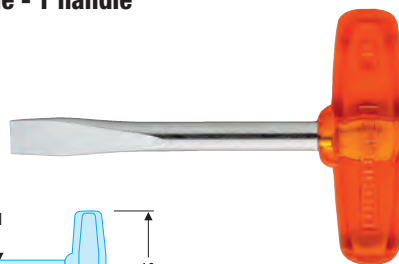


Ref	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
ARA.2,5X50	2,5	13	2,5 x 50	0,4	110	60	10
ARA.2,5X75	2,5	13	2,5 x 75	0,4	135	60	11
ARA.3,5X50	3,5	13	3,5 x 50	0,6	110	60	12
ARA.3,5X75	3,5	13	3,5 x 75	0,6	135	60	14

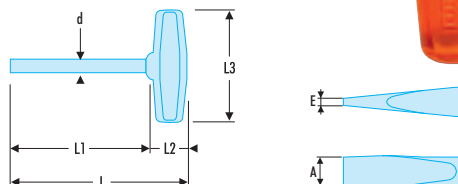


AGT - ISORYL screwdrivers for slotted-head screws - forged blade - T handle

- Transmits high torque.
- Finish: chromed.



Ref	A [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
AGT.8X100	8	8 x 100	1,2	130	30	85	150
AGT.10X100	10	10 x 100	1,6	130	30	85	160



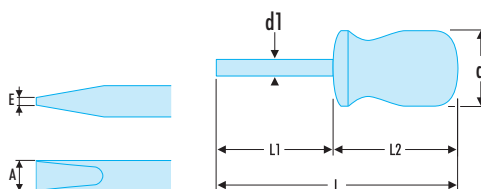
ARB - ISORYL screwdrivers for slotted-head screws - short blade

NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- For use in confined space.
- Finish: polished chromed.



Ref	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
ARB.4X40	4,0	29	4,0 x 40	0,8	90	50	38
ARB.5,5X40	5,5	29	5,5 x 40	1,0	90	50	39
ARB.6,5X40	6,5	29	6,5 x 40	1,2	90	50	42



ISORYL SCREWDRIVERS FOR PHILLIPS® SCREWS

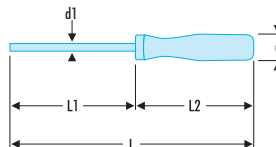
AP - ISORYL screwdrivers for Phillips® screws

NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Finish: chromed.

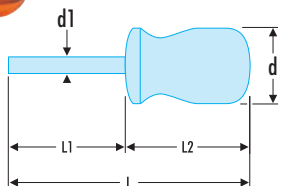


Ref	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Phillips [No]	ΔΔ [g]
AP.0X50	20,5	4 x 50	130	80	PH0	31
AP.0X75	20,5	4 x 75	155	80	PH0	33
AP.1X75	24,0	5 x 75	165	90	PH1	55
AP.1X100	24,0	5 x 100	190	90	PH1	59
AP.2X100	28,0	6 x 100	200	100	PH2	77
AP.2X125	28,0	6 x 125	225	100	PH2	81
AP.3X150	30,0	8 x 150	260	110	PH3	142
AP.4X200	34,0	10 x 200	320	120	PH4	246



ISORYL SCREWDRIVERS FOR PHILLIPS® SCREWS

APB - ISORYL screwdrivers for Phillips® screws - short blade



NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

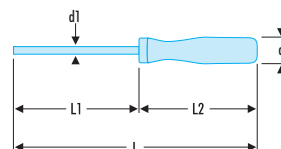
- For use in confined space.
- Finish: chromed.



➤	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Phillips [No]	ΔΔ [g]
APB.0X40	29	4 x 40	90	50	PH0	33
APB.1X40	29	5 x 40	90	50	PH1	36
APB.2X40	29	6 x 40	90	50	PH2	40

ISORYL SCREWDRIVERS FOR POZIDRIV® SCREWS

AD - ISORYL screwdrivers for Pozidriv® screws



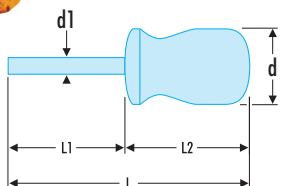
NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- High strength steel alloy blades.
- Finish: burnt.



➤	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Pozidriv [No]	ΔΔ [g]
AD.0X50	20,5	4 x 50	130	95	PZ0	31
AD.1X75	24,0	4 x 75	165	95	PZ1	55
AD.2X100	28,0	6 x 100	200	95	PZ2	77
AD.2X125	28,0	6 x 125	225	63	PZ2	81
AD.3X150	30,0	8 x 150	260	63	PZ3	142

ADB - ISORYL screwdrivers for Pozidriv® screws - short blade



NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2, DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- For use in confined space.
- Finish: burnt.



➤	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Pozidriv [No]	ΔΔ [g]
ADB.1X40	29	5 x 40	90	77	PZ1	38
ADB.2X40	29	6 x 40	90	77	PZ2	44

SETS OF WOOD HANDLE SCREWDRIVERS

Sets of wood handle screwdrivers



➤	Contents	Content set	Qty	ΔΔ [g]
ATHH.JS5	Box	ATHH.5,5X100 - 6,5X125 - 8X150 - 10X175 - 12X200	5	952
ATHH.PJ3	Panel: PK.1	ATHH.P1 - P2 - P3	3	372
ATHH.J7	Box	ATHH.4X90 - 5,5X100 - 6,5X125 - 8X150 - 10X175 - 12X200 - 14X250	7	1262
AJT.2	Box	ATHH.5,5X100 - ATHH.6,5X125 - ATHH. 8X150 - ATHH.10X175 - ATHH.P1 - ATHH.P2 - ATHH.D1 - ATHH.D2	8	908

WOOD HANDLE SCREWDRIVERS FOR SLOTTED HEAD SCREWS

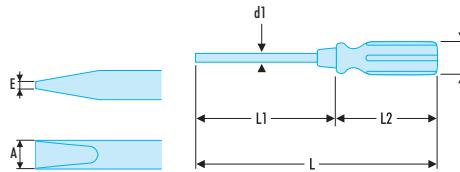
■ **ATH - Wood handle screwdrivers for slotted head screws - forged blade**

NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2,
DIN ISO 2380-1, DIN ISO 2380-2, ASME B107.600

- Through blade allows separation of locked screws by means of light impacts.
- Impact zone widened by metallic cap.
- Round blade forged and treated over its entire length.
- Handle blade linked by fins.
- Finish: burnt.



	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	ΔΔ [g]
ATH.5.5X100	5,5	22	5 x 100	1,0	205	105	65
ATH.6.5X100	6,5	26	6 x 100	1,2	210	110	86
ATH.8X150	8,0	28	7 x 150	1,2	270	120	130
ATH.8EX175	8,0	32	7 x 175	1,6	305	130	177
ATH.10X200	10,0	32	9 x 200	1,6	330	130	222
ATH.12X250	12,0	32	10 x 250	2,0	380	130	335



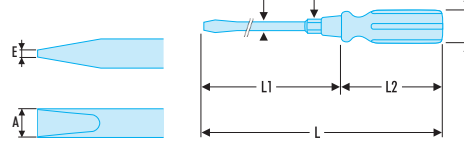
■ **ATHH - Wood handle screwdrivers for slotted head screws - hexagonal forged blade**

NF ISO 2380-1, NF ISO 2380-2, ISO 2380-1, ISO 2380-2, DIN ISO 2380-1,
DIN ISO 2380-2, ASME B107.600

- Through blade allows separation of locked screws by means of light impacts.
- Forged and treated hexagonal blade for locking or unlocking with a wrench.
- Handle blade linked by fins.
- On the blade side, the handle includes a crimped steel ferrule with dampener, at the opposite side, a copper ring protects wood from impacts.
- Finish: polished chromed.



	A [mm]	d [mm]	d1 x L1 [mm]	E [mm]	L [mm]	L2 [mm]	Hex Size [mm]	ΔΔ [g]
ATHH.4X90	4,0	25	4,5 x 90	0,8	195	95	6	49
ATHH.5.5X100	5,5	25	5,5 x 100	1,0	200	100	8	58
ATHH.6.5X125	6,5	26	6,5 x 125	1,2	240	115	10	100
ATHH.6.5X175	6,5	26	6,5 x 175	1,2	290	115	10	110
ATHH.8X150	8,0	28	8,0 x 150	1,2	270	120	13	160
ATHH.10X175	10,0	30	9,0 x 175	1,6	300	125	13	207
ATHH.12X200	12,0	32	10,0 x 200	2,0	330	130	17	278
ATHH.14X250	14,0	32	10,0 x 250	2,5	385	135	17	331



WOOD HANDLE SCREWDRIVERS FOR CROSS-HEADED SCREWS

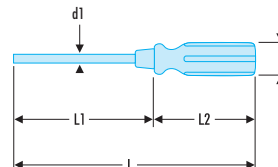
■ **ATHH.P - Wood handle screwdrivers for Phillips® screws - hexagonal blade**

NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2,
DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Through blade allows separation of locked screws by means of light impacts.
- Forged and treated hexagonal blade for locking or unlocking with a wrench.
- Handle blade linked by fins.
- On the blade side, the handle includes a crimped steel ferrule with dampener, at the opposite side, a copper ring protects wood from impacts.
- Finish: polished chromed.

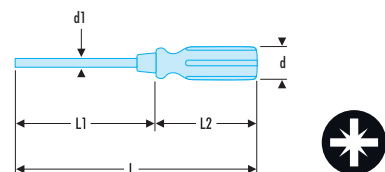


	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Hex Size [mm]	Phillips [No]	ΔΔ [g]
ATHH.P1	25	5 x 100	200	100	8	PH1	60
ATHH.P2	26	6 x 125	235	110	10	PH2	92
ATHH.P3	28	8 x 150	270	120	13	PH3	160



WOOD HANDLE SCREWDRIVERS FOR CROSS-HEADED SCREWS

ATHH.D - Wood handle screwdrivers for Pozidriv® screws - hexagonal blade



NF ISO 8764-1, NF ISO 8764-2, ISO 8764-1, ISO 8764-2,
DIN ISO 8764-1, DIN ISO 8764-2, ASME B107.600

- Through blade allows separation of locked screws by means of light impacts.
- Forged and treated hexagonal blade for locking or unlocking with a wrench.
- Handle blade linked by fins.
- On the blade side, the handle includes a crimped steel ferrule with dampener, at the opposite side, a copper ring protects wood from impacts.
- Finish: polished chromed.



ED	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Hex Size [mm]	Pozidriv [No]	ΔΔ [g]
ATHH.D1	25	5 x 100	200	100	8	PZ1	60
ATHH.D2	26	6 x 125	240	115	10	PZ2	92
ATHH.D3	28	8 x 150	270	120	13	PZ3	160

MULTIBLADE SCREWDRIVERS

AM - PROTWIST® multi-blade screwdriver sets



- Several screwing patterns in a small footprint.
- Each blade has two useful tips.
- Bi-material ergonomic handle for comfortable and reliable screwing.
- The handle drives the blades by the 6-point 1/4" drive.
- A spring holds the blades in the handle.
- Packaging:
 - AM.3 - AM.4: compact bag.



ED	A [mm]	Phillips [No]	Resistorx [No]	Torx [No]	Knob	Qty	ΔΔ [g]
AM.3	AMZ.S3,5 - 4 - AMZ.S5,5 - 6,5	AMZ.P1-3	-	AMZ.X10-15 - AMZ.X20-25 - AMZ.X30-40	AM.D	7	450
AM.4	AMZ.S3,5 - 4 - AMZ.S5,5 - 6,5	-	AMZ.XRP10-15 - AMZ.XRP10-15 - AMZ.XRP27-30	-	AM.D	6	350

AMZ - Reversible blades



- 1/4" hexagonal reversible blade.
- Length: 175 mm.
- Handle out length: 125 mm.
- Finish: chromed.



ED	L [mm]	Content set	ΔΔ [g]
AMZ.S3,5-4	175	Slotted-head: 0,6 x 3,5 - 0,8 x 4	40
AMZ.S5,5-6,5	175	Slotted-head: 1,0 x 5,5 - 1,2 x 6,5	40
AMZ.P0-1	175	PH0 - PH1	40
AMZ.P2-3	175	PH2 - PH3	40
AMZ.P1-2	175	PH1 - PH2	40
AMZ.D0-1	175	PZ0 - PZ1	40
AMZ.D2-3	175	PZ2 - PZ3	40
AMZ.D1-2	175	PZ1 - PZ2	40
AMZ.H2,5	175	6-point: 2,5	40
AMZ.H3	175	6-point: 3,0	40
AMZ.H4	175	6-point: 4,0	40
AMZ.H5	175	6-point: 5,0	40

ED	L [mm]	Content set	ΔΔ [g]
AMZ.H6	175	6-point: 6,0	40
AMZ.X8-9	175	T8 - T9	40
AMZ.X10-15	175	T10 - T15	40
AMZ.X20-25	175	T20 - T25	40
AMZ.X30-40	175	T30 - T40	40
AMZ.TX10-15	175	TT10 - TT15	40
AMZ.TX20-25	175	TT20 - TT25	40
AMZ.TX30-40	175	TT30 - TT40	40
AMZ.XRP10-15	175	IPR TT+ 10-15	40
AMZ.XRP20-25	175	IPR TT+ 20-25	40
AMZ.XRP27-30	175	IPR TT+ 27-30	40
AMZ.E	175	Bit holder 6-point 1/4"	40

PROTWIST® multi-blade screwdriver sets

- Bi-material ergonomic handle for comfortable and reliable screwing.
- High quality 45-teeth ratchet = fast screwing, accuracy, strength and longevity.
- 3-position action : screwing, unscrewing and locking.
- Very low blade return torque.
- Storage in handle for six additional 25mm bits (not supplied).
- Hexagonal - 1/4" drive.

Including :

- ACL.2A
- AMZ.E
- AMZ.S3.5-4
- AMZ.S5.5-6.5
- AMZ.P0-1
- AMZ.P2-3
- AMZ.D0-1
- AMZ.D2-3
- AMZ.H2.5
- AMZ.H3
- AMZ.H4
- AMZ.H5
- AMZ.H6
- AMZ.X10-15
- AMZ.X20-25
- AMZ.X30-40



Icon	Contents	Tray	ΔΔ [g]
	ACL.2A15	BP.112 PL.307B	440

PROTWIST® 3 in 1 Blade Holder: Ratcheting, T-Handle and stubby Screwdriver

- SPEED : Ratcheting feature for faster task completion.
- POWER : T-handle feature to remove difficult screws.
- COMPACT: Stubby screwdriver for tight areas.
- Bi-material ergonomic handle for comfortable and reliable screwing.
- High quality 45-teeth ratchet = fast screwing, accuracy, strength and longevity.
- 3-position action : screwing, unscrewing and locking.
- Very low blade return torque.
- Storage in handle for six additional 25mm bits (not supplied).
- Hexagonal - 1/4" drive.



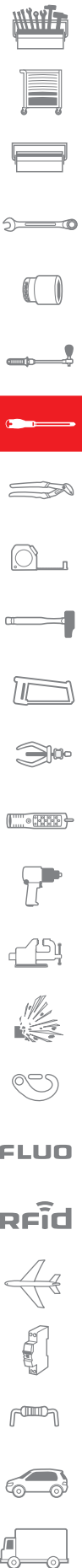
Icon	ΔΔ [g]
	ACL.2A 172

PROTWIST® reversible blade holder handle

- Bi-material ergonomic handle for comfortable and reliable screwing.
- Hexagonal - 1/4" drive.
- Diameter: 35 mm.



Icon	L [mm]	ΔΔ [g]
	AM.D 133	100



MULTIBLADE SCREWDRIVERS

"Radio" model multiblade screwdrivers



- Length with blade: 105 mm.
- Supplied with 3 blades for slotted-head screws, diam. 1.5 - 2 - 2.5 mm, stored in the handle.
- Finish: polished chromed.



	L [mm]	ΔΔ [g]
AMR	105	14

"Junior" model multiblade screwdrivers



- Length with blade: 150 mm.
- Supplied with 3 blades for slotted-head screws, diam. 3.5 - 4 - 5.5 mm, stored in the handle.
- Finish: polished chromed.



	L [mm]	ΔΔ [g]
AMJ	150	57

"Standard" model multiblade screwdrivers



- Length with blade: 165 mm.
- Supplied in roll, with 2 reversible blades:
 - Slotted head screws, diam. 5.5 mm and Phillips® no.1.
 - Slotted head screws, diam. 6.5 mm and Phillips® no.2.
- Finish: polished chromed.



	L [mm]	ΔΔ [g]
AMS	165	100

RATCHET BIT DRIVERS



Ergonomic bi-material Protwist® grip

- Comfort of use.

Storage compartment

- Partly hollow handle for storing additional bits or screws.

High quality

- 45 tooth mechanism, 3 positions, low return torque.

Chrome finished blade 100 mm

- Resistance to corrosion and access.
- Knurled zone for fast blade screwing.

Powerful magnetic adaptor

- Holds the bit and screw.



BIT-HOLDING SCREWDRIVERS

Automatic screwdriver with hex 1/4" bit holder



- For long thread screws, reduces screwing and unscrewing times by one third.
- Fast chuck for screwing bits series 1: 1/4" (6.35 mm).
- Ratchet with 3 positions: screwing, unscrewing, locking.
- Bush locking the helical shaft in the retracted position.
- Length: open, 305 mm; closed, 230 mm.
- Finish: polished chromed.



Part No.	L [mm]	ΔΔ [g]
AAM.PE	230	345

VOLTAGE-TESTER SCREWDRIVERS

AV.BT - Very low voltage detector screwdrivers



- For very low voltage.
- 2 models:
 - AV.BT1: Standard model.
 - AV.BT2: Model with clasp.
- Supplied with 50 cm wire with plug and alligator clip.



Part No.	d [mm]	L [mm]	Blade Length [mm]	Voltage/Volt	ΔΔ [g]
AV.BT1	4	196	104	6 - 24	53
AV.BT2	3	138	53	6 - 24	27

AV.HT - Low voltage detector screwdrivers



- Safety guard width: 5 mm.
- Light indicator.
- Transparent handle.
- Steel blade chrome-plated vanadium.
- Extremity blade in hardened black phosphat.
- AV.HT1C: Standard model.
- AV.HT2C: Model with clasp.
- VDE-GS.



Part No.	L [mm]	Blade Length [mm]	Voltage/Volt	ΔΔ [g]
AV.HT1C	190	10	90 - 480	45
AV.HT2C	140	65	110 - 250	20

MAGNETISER - DEMAGNETISER

Magnetiser - Demagnetiser



- Magnetise the screwdriver to hold the screw in place.
- Demagnetises the screwdriver after use.

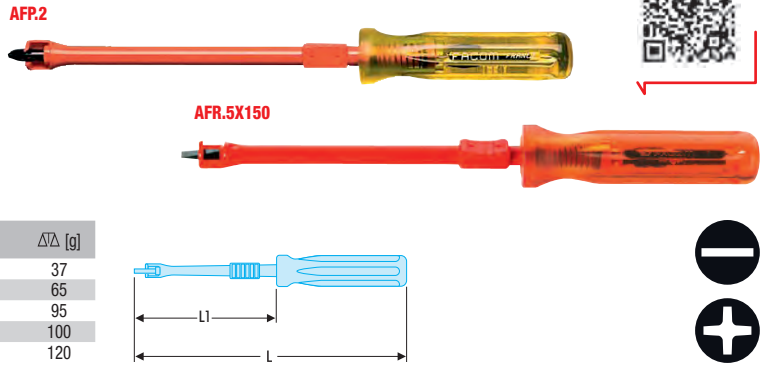


Part No.	ΔΔ [g]
837	73

SCREW HOLDER

■ AFR - AFP - Screw holder screwdrivers

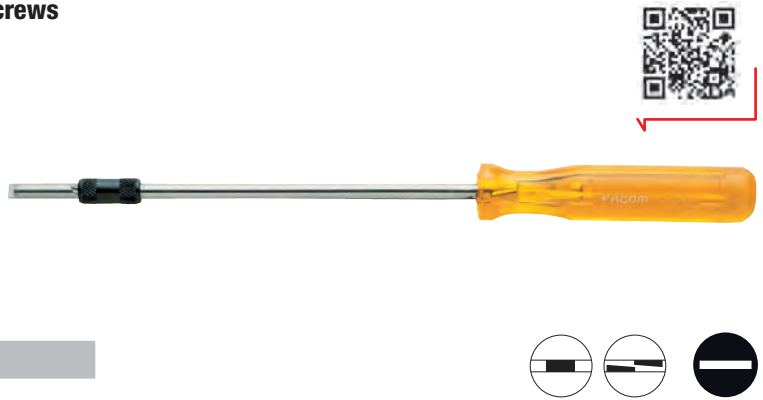
- For slotted and Phillips® head.
- Screw holder and screwing with the same tool.
- The guide is moved with the thumb, the spring holds the screw on the blade.



Model	A [mm]	E [mm]	L [mm]	L1 [mm]	Phillips [No]	ΔΔ [g]
AFR.3X100	3	0,5	190	100	-	37
AFR.4X125	4	0,6	225	125	-	65
AFR.5X150	5	0,7	260	150	-	95
AFP.1	-	-	260	150	PH1	100
AFP.2	-	-	285	175	PH2	120

■ Screw holder screwdrivers for slotted-head screws

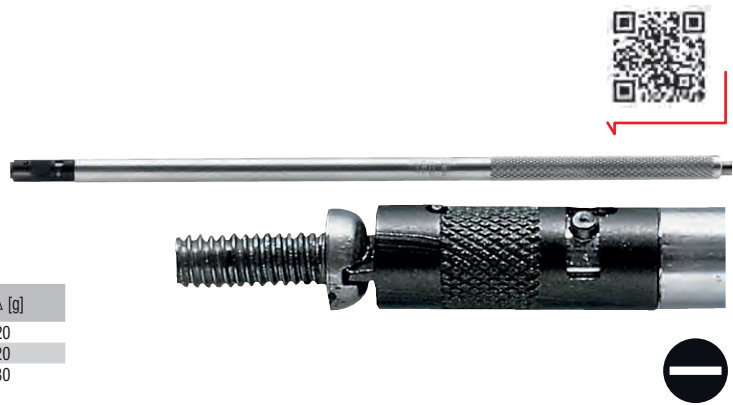
- For slotted head screws 0.5 --> 1.5 mm.
- Sliding bush to lock the two angle half-blades in the slotted screw head.
- Screwdriver required for subsequent tightening or loosening.
- Blade length: 150 mm.
- Total length: 240 mm.



Model	L [mm]	ΔΔ [g]
AF	240	56

■ AFU - Screw holder for slotted-head screws

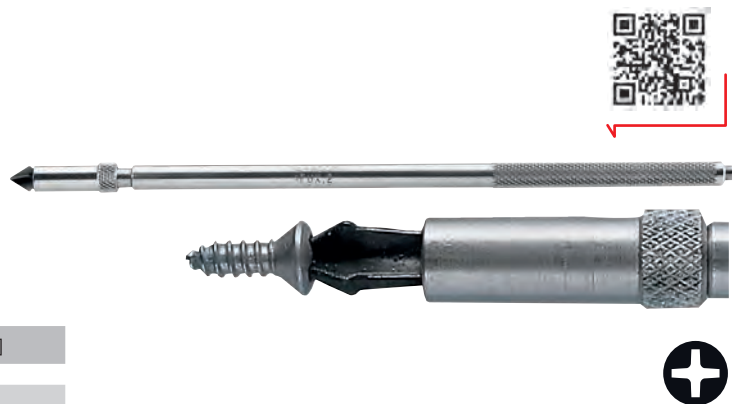
- Bush rotation secures the blade in the slotted screw head.
- Finely knurled steel handle.
- AFU.2 is fitted with a magnet at the end of the handle.



Model	A [mm]	E [mm]	L [mm]	ΔΔ [g]
AFU.0	3,8	0,5	135	20
AFU.1	7,0	0,8	130	20
AFU.2	7,0	0,8	230	30

■ AFUX - Screw holder for Phillips® screws

- Bush rotation secures the blade in the screw head.
- Finely knurled steel handle.
- AFUX.2 is fitted with a magnet at the end of the handle.

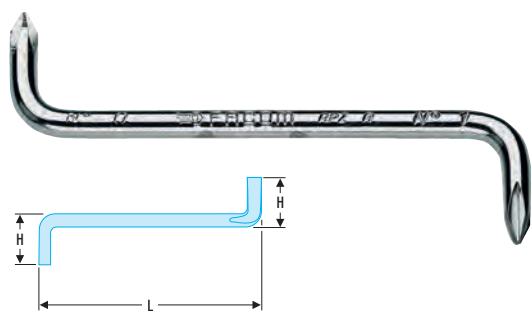


Model	L [mm]	Phillips [No]	ΔΔ [g]
AFUX.1	130	PH1	25
AFUX.2	235	PH2	40



ANGLED SCREWDRIVERS

APZ - Angled screwdrivers - for Phillips® screws



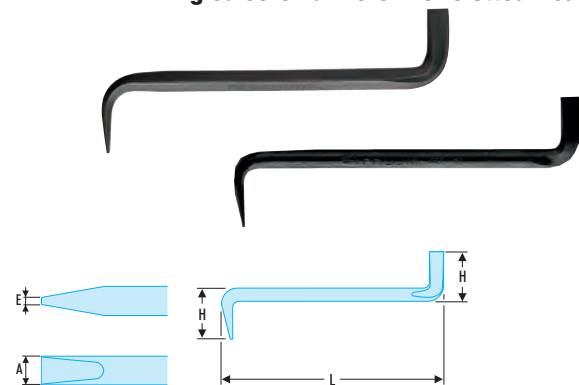
DIN 5008

- A different head at each end.
- For use in confined space.
- Finish: chromed.



➤	H [mm]	L [mm]	Phillips (No)	ΔΔ [g]
APZ.A	18	86	PH0 - PH1	15
APZ.B	20	142	PH1 - PH2	40
APZ.C	22	205	PH3 - PH4	140

ARZ - AKZ - Angled screwdrivers - for slotted-head screws



DIN 5000

- ARZ round blade.
- AKZ square blade.
- Two ends in two planes at 90°.
- Operating by quarter turn flip.
- Finish: burnt.



➤	A [mm]	E [mm]	H [mm]	H3 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
ARZ.4	4,0	0,8	13,0	0,5	86	0,5	10
ARZ.5,5	5,5	1,0	14,0	0,6	95	0,6	20
ARZ.6,5	6,5	1,2	16,0	0,7	110	0,7	30
AKZ.6	8,0	1,2	17,5	0,7	123	0,7	40
AKZ.8	10,0	1,6	20,0	1	175	1,0	90

KEYS

KEY SETS IN BAG

JL - JU - Set of hexagon keys in roll



- 82H: Short keys.
 - 83H: Long keys.
 - 83SH: Spherical head long keys.
- JL = metric key sets.
JU = inch key sets.



➤	Hex Size ["]	Hex Size [mm]	Wrench	ΔΔ [g]
82H.JE10	-	0,9 - 1,5 - 2,0 - 2,5 - 3,0 - 3,5 - 4,0 - 4,5 - 5,0 - 6,0	82H	122
82H.JL10	-	2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 7,0 - 8,0 - 9,0 - 10,0	82H	433
82H.JL12	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 7,0 - 8,0 - 9,0 - 10,0 - 12,0	82H	600
82H.JL13	-	3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 14 - 17 - 19	82H	2220
82H.JU7	0,028 - 0,035 - 0,050 - 3/64 - 1/16 - 5/64 - 3/32	-	82H	151
82H.JU10	1/16 - 5/64 - 3/32 - 1/8 - 3/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8	-	82H	433
82H.JU13	3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 3/4	-	82H	2080
83H.JL10	-	2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 7,0 - 8,0 - 9,0 - 10,0	83H	585
83H.JL12	-	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12	83H	810
83H.JL13	-	3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 14 - 17 - 19	83H	3040
83H.JU10	1/16 - 5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8	-	83H	440
83SH.JL10	-	2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 7,0 - 8,0 - 9,0 - 10,0	83SH	585
83SH.JL12	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 7,0 - 8,0 - 9,0 - 10,0 - 12,0	83SH	810
83SH.JU8	3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8	-	83SH	435

KEY RINGSETS

87HL - Long hexagon key ringsets

NF ISO 2936, ISO 2936, DIN ISO 2936, ASME B18.3.2M

- Keys from series 83H.
- Silicon steel.
- Finish: phosphate-coated.

⚙️	⬡ [mm]	ΔΔ [g]
87HL.JE8	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 8,0	150
87HL.JU8	5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16	175



87H - Short hexagon key ringsets

NF ISO 2936, ISO 2936, DIN ISO 2936, ASME B18.3.2M

- Keys from series 82H.
- Silicon steel.
- Finish: phosphate-coated.

⚙️	⬡ ["]	⬡ [mm]	ΔΔ [g]
87H.JE8	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 8,0	150
87H.JU8	5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16	-	175



Torx® key ringsets

- Compliant with Torx® specifications.
- Includes the 8 Torx® keys no.: T8 - T10 - T15 - T20 - T25 - T27 - T30 - T40.

⚙️	ΔΔ [g]
89.JA8	107



KEYS SET IN ROLL

89.JL - Set of Torx® keys in roll

- Compliant with Torx® specifications.

⚙️	Torx [No]	Wrench	ΔΔ [g]
89.JL8	8 - 10 - 15 - 20 - 25 - 27 - 30 - 40	89	110
89.JL12	7 - 8 - 9 - 10 - 15 - 20 - 25 - 27 - 30 - 40 - 45 - 50	89	271



FACOM HEX KEYS



Strong and durable:

- Silicon alloy, for strength and wear resistance.

Guaranteed safe:

- Precise, constant heat treatment controls the hardness of the key, to ensure that, if overloaded, it will fail by twisting before breaking cleanly and without splintering.

Perfect fit in the screw:

- Keys cut, not sheared, to give a clean, regular face.

... and tool holders to suit every need.

- JP sleeve sets of hexagonal and Torx® keys.
- Multi-blade hexagonal and Torx® drivers.
- Ring, wallet or module sets.

A comprehensive range

- Hexagon keys available in three lengths, with standard and spherical heads (series 82 and 83).
- Torx® and Resistorx® keys (series 89).
- Special pattern keys: XZN®, groove sockets and Bristol (series 80, 81 and 85).
- Hexagonal tee-handle keys (series 84 TC).
- Hexagonal and Torx® tee-handled nut spinners (series 84TZ and 89TX).
- Protwist® hexagonal and spherical head nut spinners (series AWHH and AWSH).



"EASY LOCK SYSTEM" SLEEVE



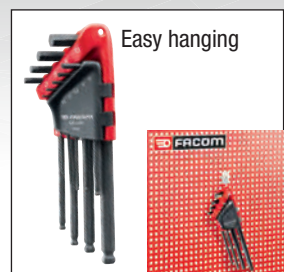
Full access to each key

- Access to each key regardless of the position of the others.
- Easy tool storage and selection.
- Flat sleeve-case, hinged flap.



Constant key holding over time

- Positive key locking even when sleeve worn.
- No risk of losing keys.



Convenient hanging hole

- Offset position of the fastening hole.

Strong and durable

- Elastomer chosen for its wear resistance, good durability and its resistance to chemicals and weather variations.

WALLET OF KEYS

JP - Set of hexagon keys in wallet

- Keys are packaged in a compact wallet for easy selection of the dimension required.
- Sets available in 4 types of keys:
 - 82H: Short keys.
 - 83H: Long keys.
 - 83SH: Spherical head long keys.
 - 83S.L: Spherical head extra-long keys.

JP = metric key sets
JPU = inch key sets.

Ref	6 [°]	6 [mm]	Wrench	Qty	ΔΔ [g]
82H.JP9A	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 8,0 - 10,0	82H	9	260
83H.JP9A	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 8,0 - 10,0	83H	9	350
83SH.JP7	-	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6	83SH	7	290
83SH.JP9A	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 8,0 - 10	83SH	9	380
83SH.JPAA	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 7,0 - 8,0	83SH	9	270
83SH.JP6U	3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4	-	83SH	6	300
83SH.JP8AU	3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8	-	83SH	8	365
83S.JP9AL	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 8,0 - 10,0	83S.L	9	350
82H.JP8AU	3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8	-	82H	8	235



Set of 6 keys for 6-point safety screws

- Keys are packaged in a compact wallet for easy selection of the dimension required.
- The wallet contains the dimensions: 2 - 2.5 - 3 - 4 - 5 - 6 mm.

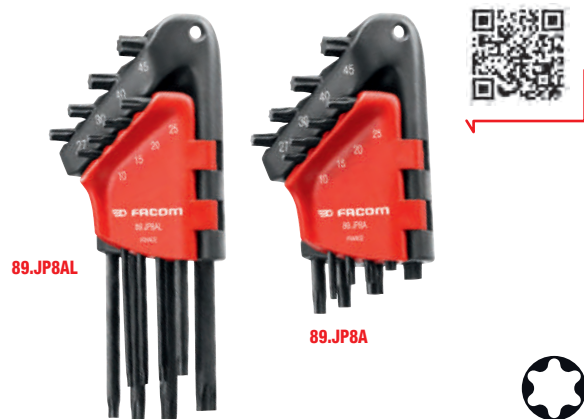
Ref	Qty	ΔΔ [g]
83R.JP6	6	350



89.JP - Set of Torx® keys in wallet

- Compliant with Torx® and Resistorx® specifications.
- Keys are packaged in a compact wallet for easy selection of the dimension required.
 - Sets available in 4 types of keys:
 - 89: Torx® keys.
 - 89L: Long Torx® keys.
 - 89R: Resistorx® keys.
 - 89S: Long - spherical heads.

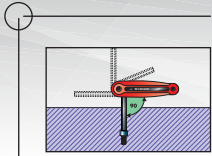
Ref	Torx [No]	Wrench	Qty	ΔΔ [g]
89.JP6	T10 - T15 - T20 - T25 - T30 - T40	89	6	230
89.JP8A	T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45	89	8	330
89.JP8AL	T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45	89L	8	360
89R.JP6	T10 - T15 - T20 - T25 - T30 - T40	89R	6	220
89S.JP8A	T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45	89S	8	260



SLEEVE-SETS OF KEYS

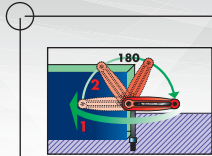
MULTI-BLADE HANDLE

Powerful and ergonomic



90° Stop

- Provides positive leverage for safe and powerful rotation.

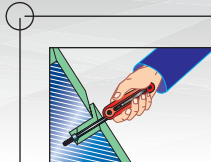


Blade at 180°

- For fast pre-tightening in "screwdriver" position.

Holder swings 180°

- For fast re-positioning without removing the blade from the fastener.



Composite construction

- Metal frame for 30% more strength.
- Resin side pieces for comfortable handling.
- For hexagon and Torx® keys.



86H - Hexagon keys on sleeve



- Very compact sleeve.
- Positive grip.
- Keys on 90° end stop for tightening.
- Keys in silicon steel issued from 82h series.
- Finish: phosphate-coated.

	d [mm]	d1 [mm]	L [mm]	L1 [mm]	6 ["]	6 [mm]	Qty	ΔΔ [g]
86H.JE7A	30	24	138	32	-	2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 8,0 - 10,0	7	405
86H.JE7B	22	18	118	28	-	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0	7	145
86H.JU6	30	24	138	32	5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8	-	6	420
86H.JU7	22	18	118	28	1/16 - 5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 1/4	-	7	142

89JM - Hexagon Torx® keys on sleeve

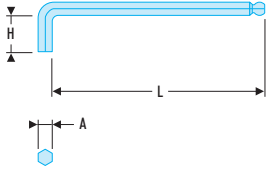


- Compliant with Torx® and Resistorx® specifications.
- Highly compact sleeve, positive grip.
- 89A.JM8: Torx® (T).
- 89R.JM8: Resistorx® (TT).

	d [mm]	d1 [mm]	L [mm]	L1 [mm]	Torx [No]	Qty	ΔΔ [g]
89A.JM8	30	24	138	32	T8 - 10 - 15 - 20 - 25 - 27 - 30 - 40	8	170
89R.JM8	30	24	138	32	TT8 - 10 - 15 - 20 - 25 - 27 - 30 - 40	8	160

HEXAGON KEYS

83SH - Long metric keys - spherical head

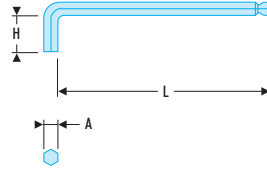


NF ISO 2936, ISO 2936, DIN ISO 2936, ASME B18.3.2M

- Manufactured in silicon steel.
- The spherical head allows to handle screws with a tilt angle up to 30°.
- Finish: phosphate-coated.

⊞	A [mm]	H [mm]	H x L [mm]	L [mm]	ΔΔ [g]
83SH.1,5	1,5	14	14 x 62	62	1
83SH.2	2,0	16	16 x 75	75	2
83SH.2,5	2,5	18	18 x 85	85	4
83SH.3	3,0	20	20 x 90	90	7
83SH.4	4,0	25	25 x 100	100	15
83SH.5	5,0	28	28 x 115	115	24
83SH.6	6,0	32	32 x 135	135	42
83SH.7	7,0	34	34 x 140	140	57
83SH.8	8,0	36	36 x 150	150	80
83SH.9	9,0	38	38 x 160	160	110
83SH.10	10,0	40	40 x 170	170	140
83SH.12	12,0	45	45 x 190	190	225

83SH - Long inch keys - spherical head



ASME B18.3

- Manufactured in silicon steel.
- The spherical head allows to handle screws with a tilt angle up to 30°.
- Finish: phosphate-coated.

⊞	A ["]	H [mm]	H x L [mm]	L [mm]	ΔΔ [g]
83SH.3/32	3/32	17	17 x 85	86	4
83SH.1/8	1/8	19	20 x 90	95	7
83SH.5/32	5/32	21	25 x 100	105	13
83SH.3/16	3/16	24	28 x 115	114	22
83SH.7/32	7/32	26	32 x 135	124	34
83SH.5/16	5/16	32	36 x 150	152	80
83SH.3/8	3/8	35	38 x 170	172	128

83S.L - Extra long keys - spherical head

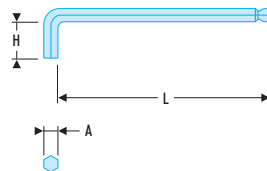


NF ISO 2936, ISO 2936, DIN ISO 2936, ASME B18.3.2M

- Higher lengths: more lever, higher power, improved line access.
- Finish: phosphate-coated.



⊞	A [mm]	H [mm]	H x L [mm]	L [mm]	ΔΔ [g]
83S.2L	2,0	16	16 x 100	100	4
83S.2,5L	2,5	18	18 x 111	111	6
83S.3L	3,0	20	20 x 124	124	10
83S.4L	4,0	25	25 x 138	138	20
83S.5L	5,0	28	28 x 159	159	36
83S.6L	6,0	32	32 x 179	179	58
83S.8L	8,0	36	36 x 198	198	115
83S.10L	10,0	40	40 x 221	221	200



HEXAGON KEYS

■ 83H - Long metric keys



NF ISO 2936,
ISO 2936,
DIN ISO 2936, ASME B18.3.2M

- Manufactured in silicon steel.
- Finish: phosphate-coated.



Ø	A [mm]	H [mm]	L [mm]	ΔΔ [g]
83H.1,5	1,5	14	62	1
83H.2	2,0	16	75	2
83H.2,5	2,5	18	85	4
83H.3	3,0	20	90	7
83H.3,5	3,5	25	95	10
83H.4	4,0	25	100	15
83H.4,5	4,5	26	110	18
83H.5	5,0	28	115	24
83H.6	6,0	32	135	42
83H.7	7,0	34	140	57
83H.8	8,0	36	150	80
83H.9	9,0	38	160	110
83H.10	10,0	40	170	140
83H.11	11,0	42	180	180
83H.12	12,0	45	190	225
83H.13	13,0	50	200	286
83H.14	14,0	56	215	361
83H.15	15,0	58	225	435
83H.16	16,0	60	235	515
83H.17	17,0	63	245	602
83H.18	18,0	66	255	713
83H.19	19,0	70	265	830
83H.22	22,0	80	275	1010
83H.23	23,0	85	285	1160
83H.24	24,0	90	299	1310
83H.27	27,0	100	315	1380
83H.32	32,0	125	64	1470

■ 83H - Long inch keys

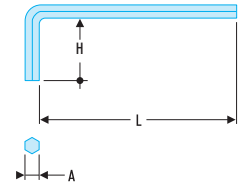


ASME B18.3

- Manufactured in silicon steel.
- Finish: phosphate-coated.



Ø	A ["]	H [mm]	L [mm]	ΔΔ [g]
83H.3/64	3/64	14	58	1,00
83H.1/16	1/16	13	62	2,00
83H.5/64	5/64	16	75	3,00
83H.3/32	3/32	17	85	4,00
83H.7/64	7/64	18	90	5,00
83H.1/8	1/8	20	90	7,00
83H.9/64	9/64	22	95	10,00
83H.5/32	5/32	25	100	13,00
83H.3/16	3/16	28	115	22,00
83H.7/32	7/32	32	135	34,00
83H.1/4	1/4	32	140	46,00
83H.5/16	5/16	36	150	80,00
83H.3/8	3/8	38	170	128,00
83H.7/16	7/16	42	180	186,00
83H.1/2	1/2	45	190	263,00
83H.9/16	9/16	56	215	376,00



■ 82H - Short metric keys



NF ISO 2936, ISO 2936,
DIN ISO 2936,
ASME B18.3.2M

- Manufactured in silicon steel.
- Finish: phosphate-coated.



Ø	A [mm]	H [mm]	L [mm]	ΔΔ [g]
82H.0,9	0,9	12	38	0,3
82H.1,3	1,3	13	45	0,7
82H.1,5	1,5	13	45	0,9
82H.2	2	16	50	2
82H.2,5	2,5	17	62	3
82H.3	3	20	65	5
82H.3,5	3,5	22	66	8
82H.4	4	25	70	10
82H.4,5	4,5	26	75	15
82H.5	5	28	80	20
82H.6	6	32	90	30
82H.7	7	34	95	45
82H.8	8	36	100	60
82H.9	9	38	105	80
82H.10	10	40	112	100
82H.11	11	42	118	130
82H.12	12	45	125	165
82H.13	13	50	135	205
82H.14	14,0	55	140	260
82H.15	15,0	58	150	310
82H.16	16,0	60	154	370
82H.17	17,0	63	160	440
82H.18	18,0	66	170	540
82H.19	19,0	70	180	640
82H.22	22,0	80	200	950
82H.23	23,0	85	210	1100
82H.24	24,0	90	224	1300
82H.27	27,0	100	250	1300
82H.32	32,0	125	315	1400

■ 82H - Short inch keys

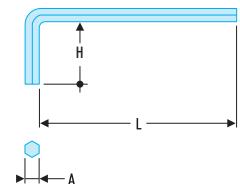


ASME B18.3

- Manufactured in silicon steel.
- Finish: phosphate-coated.



Ø	A ["]	H [mm]	L [mm]	ΔΔ [g]
82H.050	0,5	12	38	0,4
82H.3/64	3/64	12	38	0,5
82H.1/16	1/16	13	45	0,7
82H.5/64	5/64	16	50	2
82H.3/32	3/32	17	62	3
82H.7/64	7/64	18	60	4
82H.1/8	1/8	20	65	6
82H.9/64	9/64	22	66	8
82H.5/32	5/32	25	70	10
82H.3/16	3/16	28	80	16
82H.7/32	7/32	32	90	24
82H.1/4	1/4	32	90	33
82H.5/16	5/16	36	100	59
82H.3/8	3/8	40	112	90
82H.7/16	7/16	42	118	135
82H.1/2	1/2	45	125	200
82H.9/16	9/16	55	140	273
82H.5/8	5/8	60	160	383
82H.11/16	11/16	63	170	540
82H.3/4	3/4	70	175	623
82H.7/8	7/8	80	200	955
82H.1'	1'	90	235	1500



STAINLESS STEEL HEXAGON KEYS

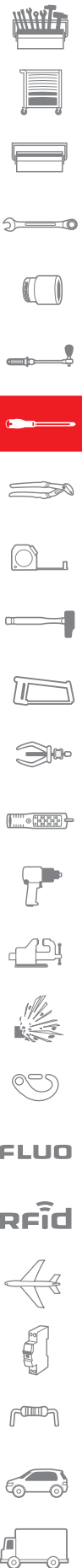
STAINLESS STEEL KEYS



Stainless steel X46Cr13
 • Also used for high range food grade cutlery, surgical tools, brake discs, etc.

Vacuum quenching
 • Guarantees mechanical characteristics and resistance to corrosion.

Bacteriological tests passed after sterilisation in autoclave
 • 20 min at 120°C, 1 bar over-pressure.



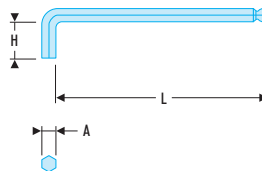
■ 83SH.ST - Stainless steel keys - hexagonal

NF ISO 2936, ISO 2936, DIN ISO 2936, ASME B18.3.2M

- Stainless steel Ref X46Cr13. Also used for high range food grade cutlery, surgical tools, brake discs, etc.
- Vacuum quenching guarantees mechanical characteristics and resistance to corrosion.
- Bacteriological tests conclusive after autoclave sterilisation (20 min at 120°C, overpressure 1 bar).



83SH	A [mm]	H [mm]	L [mm]	ΔΔ [g]
83SH.1.5ST	1,5	14	62	1
83SH.2ST	2,0	16	75	2
83SH.2.5ST	1,5	18	85	4
83SH.3ST	3,0	20	90	7
83SH.4ST	4	25	100	15
83SH.5ST	5,0	28	115	24
83SH.6ST	6,0	32	135	42
83SH.8ST	8,0	36	150	80
83SH.10ST	10,0	40	170	140



FLUO

RFid

STAINLESS STEEL HEXAGON KEYS

Set of 9 hexagonal stainless steel keys



- Stainless steel Ref X46Cr13. Also used for high range food grade cutlery, surgical tools, brake discs, etc.
- Vacuum quenching guarantees mechanical characteristics and resistance to corrosion.
- Bacteriological tests conclusive after autoclave sterilisation (20 min at 120°C, overpressure 1 bar).



83SHST.JP9	6 [mm]	Wrench	ΔΔ [g]
	1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 - 8,0 - 10,0	9	365

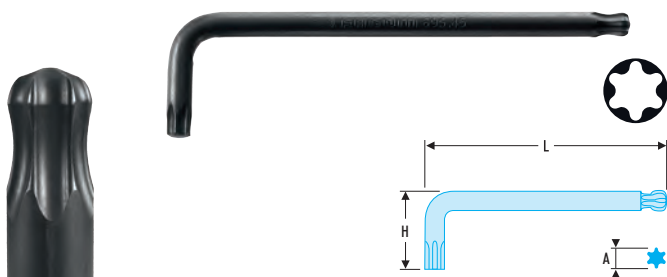
STAINLESS STEEL SCREWDRIVERS

Stainless steel screwdriver range available p. 426



TORX® HEXAGON KEYS

89S - Long Torx® keys - spherical head

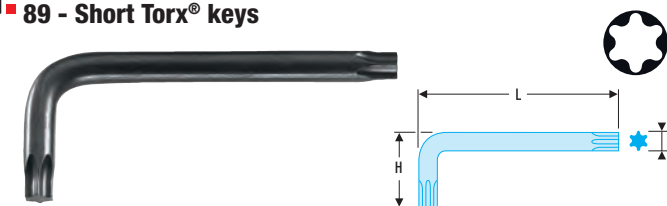


- Compliant with Torx® specifications.
- The spherical head allows for a deflection up to 20° for use in confined spaces.
- Finish: burnt.



	A [mm]	H [mm]	L [mm]	Torx [No]	ΔΔ [g]
89S.15	3,26	22	93,5	T15	8
89S.20	3,84	23	99	T20	10
89S.25	4,40	25	105	T25	18
89S.27	4,96	27	110,5	T27	23
89S.30	5,49	30	120	T30	30
89S.40	6,60	33	131	T40	45
89S.45	7,70	27	141	T45	63

89 - Short Torx® keys



- Compliant with Torx® specifications.
- Finish: burnt.



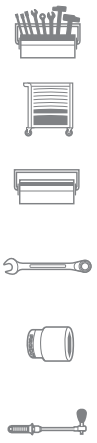
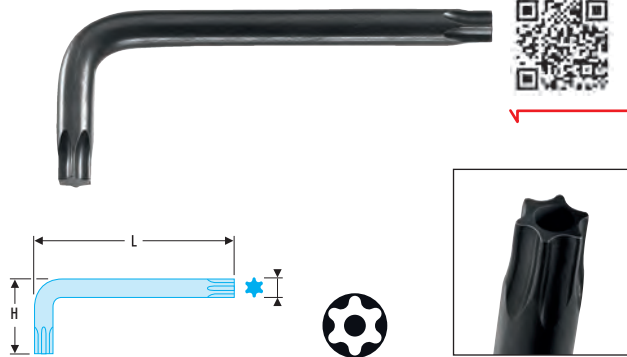
	A [mm]	H [mm]	L [mm]	Torx [No]	ΔΔ [g]
89.6	1,65	18,0	51,0	T6	3
89.7	1,97	18,0	51,5	T7	3
89.8	2,30	18,0	51,5	T8	3
89.9	2,48	19,5	51,5	T9	4
89.10	2,72	19,5	53,0	T10	4
89.15	3,26	21,5	57,0	T15	6
89.20	3,84	24,0	61,0	T20	8

	A [mm]	H [mm]	L [mm]	Torx [No]	ΔΔ [g]
89.25	4,40	25,5	63,5	T25	11
89.27	4,96	27,0	67,5	T27	16
89.30	5,49	30,0	76,0	T30	20
89.40	6,60	34,0	83,5	T40	31
89.45	7,70	37,0	88,5	T45	43
89.50	8,79	41,0	106,0	T50	62
89.55	11,17	48,0	121,0	T55	70

■ 89R - Short Resistorx® keys

- Compliant with Resistorx® specifications.
- For security screws.
- Finish: burnt.

89R	A [mm]	H [mm]	L [mm]	Torx [No]	ΔΔ [g]
89R.10	2,72	20	54	T10	4
89R.15	3,26	21	57	T15	6
89R.20	3,84	24	61	T20	8
89R.25	4,40	25	65	T25	11
89R.30	5,49	30	76	T30	20
89R.40	6,60	33	83	T40	31



"P" HANDLE HEX KEYS



Durable steel blade :
 • High torque resistance and long tip life (ISO 2936)



Soft grip handle for better comfort :
 • High torque transfer and better control.



SPINNER KEYS - "P" SPINNER KEYS

■ Set of 7 "P" Handled Hex Keys with ball end - Metric

- 84TZ.3 mm.
- 84TZ.3 mm.
- 84TZS.4 - 5 - 6 - 7 - 8 - 10 mm.

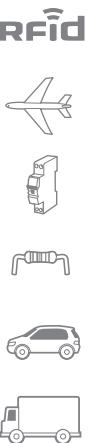
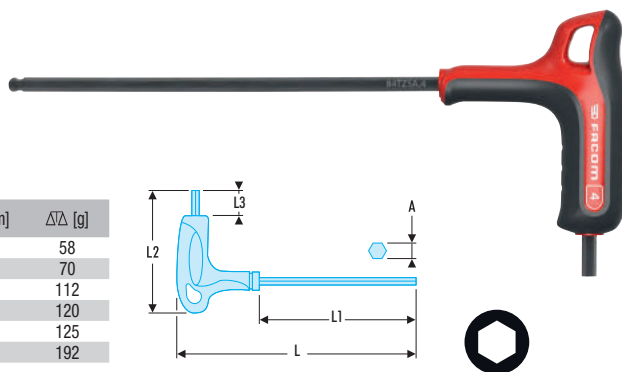
84TZ	H [mm]	L [mm]	Tray	Qtés	ΔΔ [g]
MOD.84TZSA	40	418	PL329	7	996



■ 84TZSA - "P" Handled Hex Keys with ball end - Metric

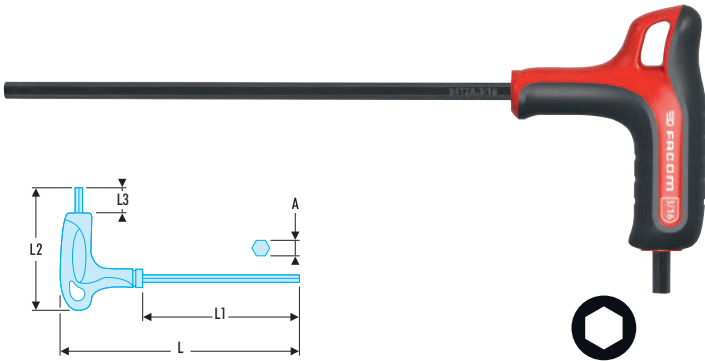
- Carbon silicon steel for longer life.
- Soft grip handle for comfort and to apply more torque.
- Spherical head allows for fast screwing up to 30° angle.
- Short end for high torque / tightening.
- Finish: polished, phosphate-coated.

84TZSA	A [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
84TZSA.4	4	183	130	77	12	58
84TZSA.5	5	183	130	77	12	70
84TZSA.6	6	240	175	95	15	112
84TZSA.7	7	240	175	95	15	120
84TZSA.8	8	240	175	95	15	125
84TZSA.10	10	240	175	95	15	192



SPINNER KEYS - "P" SPINNER KEYS

84TZA - "P" Handled Hex Keys - Metric

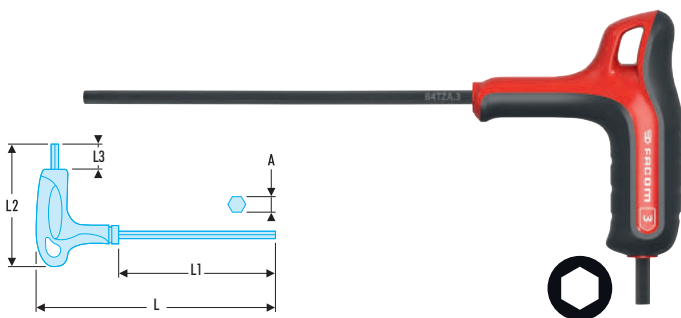


- Carbon silicon steel for longer life
- Soft grip handle for comfort and to apply more torque
- Spherical head allows for fast screwing up to 30° angle.
- Short end for high torque / tightening.
- Finish: polished, phosphate-coated.



⌘	A [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
84TZA.2.5	2.5	133	90	63	11	9
84TZA.3	3	133	90	63	11	12
84TZA.4	4	183	130	77	12	58
84TZA.5	5	183	130	77	12	70
84TZA.6	6	240	175	95	15	112
84TZA.8	8	240	175	95	15	125
84TZA.10	10	240	175	95	15	192

84TZA - "P" Handled Hex Keys - Imperial



- Carbon silicon steel for longer life
- Soft grip handle for comfort and to apply more torque
- Spherical head allows for fast screwing up to 30° angle.
- Short end for high torque / tightening.
- Finish: polished, phosphate-coated.



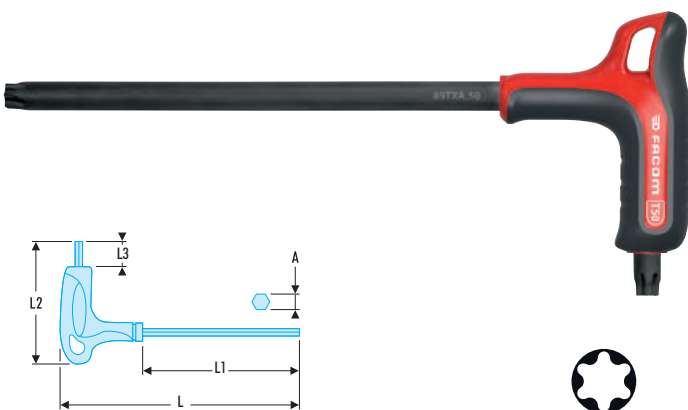
⌘	A ["]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	ΔΔ [g]
84TZA.5/32	5/32	183	130	77	12	58
84TZA.3/16	3/16	183	130	77	12	65
84TZA.7/32	7/32	240	175	95	15	80
84TZA.1/4	1/4	240	175	95	15	115
84TZA.5/16	5/16	240	175	95	15	125
84TZA.3/8	3/8	240	175	95	15	180

Set of 7 "P" Handled Hex Keys - TORX®



⌘	H [mm]	L [mm]	Content set	Tray	Qty	ΔΔ [g]
MOD.89TXA	40	418	89TX.10 - 15 - 20 - 25 - 27 - 30 - 40	PL328	7	648

89TXA - "P" Handled Hex Keys - TORX®



- Carbon silicon steel for longer life
- Soft grip handle for comfort and to apply more torque
- Spherical head allows for fast screwing up to 30° angle.
- Short end for high torque / tightening.
- Finish: chromed shot-blasted.



⌘	A [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Torx [No]	ΔΔ [g]
89TXA.6	1,65	133	90	63	11	T6	7
89TXA.7	1,97	133	90	63	11	T7	8
89TXA.8	2,30	133	90	63	11	T8	9
89TXA.9	2,48	133	90	63	11	T9	10
89TXA.10	2,72	133	90	63	12	T10	12
89TXA.15	3,26	133	130	77	12	T15	15
89TXA.20	3,84	183	130	77	12	T20	40
89TXA.25	4,40	183	130	77	15	T25	55
89TXA.27	4,96	183	175	95	15	T27	60
89TXA.30	5,49	240	175	95	15	T30	90
89TXA.40	6,60	240	175	95	15	T40	105
89TXA.45	7,77	240	175	95	15	T45	125
89TXA.50	8,79	240	175	95	15	T50	170

■ Set of 5 "T" spinner hexagon keys

- Including the wrenches 84TC.3 - 4 - 5 - 6 - 8 mm.

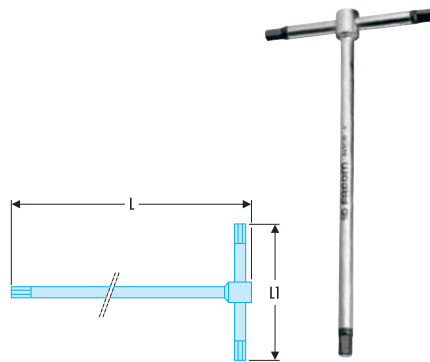


Content set	Qty	ΔΔ [g]
84TC.JE5 84TC.3 - 4 - 5 - 6 - 8 mm	5	519

■ 84TC - "T" spinner metric hexagon keys

- Hexagon profile at the 3 ends.
- Finish: chromed, burnt ends.

	L [mm]	L1 [mm]	Hex Size [mm]	ΔΔ [g]
84TC.2	125	62,5	2,0	22
84TC.2,5	125	62,5	2,5	22
84TC.3	150	75,0	3,0	26
84TC.4	180	90,0	4,0	63
84TC.5	210	105,0	5,0	100
84TC.6	210	105,0	6,0	145
84TC.8	250	125,0	8,0	220
84TC.10	300	150,0	10,0	440
84TC.12	320	160,0	12,0	645
84TC.14	340	170,0	14,0	680



"T" SOCKET WRENCH WITH SLIDE BAR



6-point fast "T" keys.

Two times faster than a standard wrench = incredible work ergonomics.

Usage:

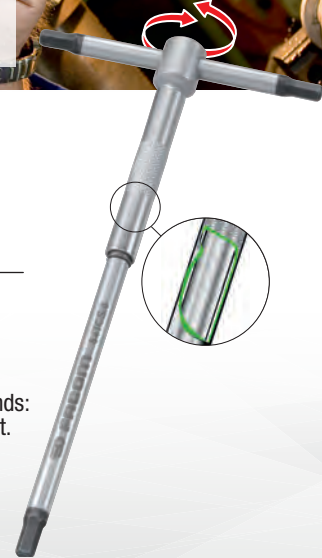
- Hold the tube.
- Launch the wrench.
- The wrench is guided properly and turns much faster than when holding it between the fingers: "rolling effect".

Access:

- The long-reaching body provides better access than with a traditional 6-point wrench.
- Easy access to screws requiring depth.

Powerful tightening/loosening:

- 6-point key at the 3 ends: for a "lever arm" effect.



FLUO

RFid

SPINNER KEYS - P SPINNER KEYS

Set of 6 "T" wrenches with sliding bar

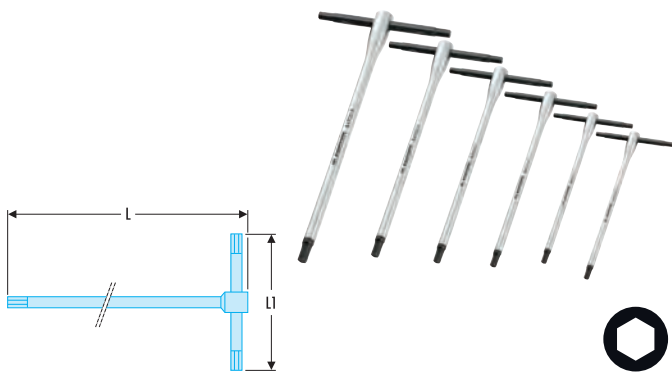


- Set of 6 male Tee wrenches



Content set	Qty	ΔΔ [g]
84TCD.2,5 - 3 - 4 - 5 - 6 and 8 mm	6	500

84TCD - Sliding "T" keys



Suited for main applications such as motorbike repair, auto assembly and industrial maintenance.

- Available in six sizes, from 2.5 mm to 8 mm.
- Sliding transverse bar with tee for better access.
- Safety pin to prevent the bar from being extracted.
- Phosphate tips perfectly adapted to screws for better accuracy.
- Chrome vanadium steel for durability.
- Chrome finish with polished tips on the shank.



	L [mm]	L1 [mm]	ΔΔ [g]
84TCD.2.5	125	63	20
84TCD.3	150	63	22
84TCD.4	175	76	47
84TCD.5	195	87	76
84TCD.6	215	99	117
84TCD.8	250	122	219

Set of 6 spherical head spinner hexagon keys



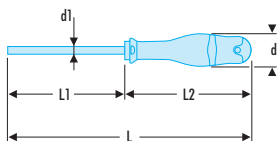
Content set	Qty	ΔΔ [g]
AWSH.2X75 - 2.5X75 - 3X75 - 4X75 - 5X100 - 6X100 mm	6	375



AWSH - Spherical head spinner hexagon keys



- The spherical head allows to handle screws with a tilt angle up to 30°.
- Bi-material ergonomic PROTWIST® handle for comfortable and reliable screwing.



	d [mm]	d1 x L1 [mm]	L [mm]	L2 [mm]	Hex Size [mm]	ΔΔ [g]
AWSH2X75	19	2,0 x 75	169	94	2,0	31
AWSH2,5X75	19	2,5 x 75	169	94	2,5	33
AWSH3X75	19	3,0 x 75	169	94	3,0	35
AWSH4X75	25	4,0 x 75	178	103	4,0	45
AWSH5X100	30	5,0 x 100	208	109	5,0	80
AWSH6X100	36	6,0 x 100	220	120	6,0	120
AWSH8X100	36	8,0 x 100	220	120	8,0	180

Set of 6 hexagon spinner keys



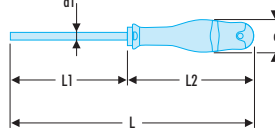
	Content set	Qty	ΔΔ [g]
AWHH.JT6	AWHH 2X75 - 2.5X75 - 3X75 - 4X75 - 5X100 - 6X100 mm	6	375

AWHH - Spinner hexagon keys

- Bi-material ergonomic PROTWIST® handle for comfortable and reliable screwing.



	d [mm]	L [mm]	L2 [mm]	Hex Size [mm]	ΔΔ [g]
AWHH2X75	19	169	94	2.0	31
AWHH2,5X75	19	169	94	2.5	33
AWHH3X75	19	169	94	3.0	35
AWHH4X75	25	178	103	4.0	45
AWHH5X100	30	209	109	5.0	80
AWHH6X100	36	220	120	6.0	120
AWHH8X100	36	220	120	8.0	180



SPECIAL PROFILE KEYS

80 - Short XZN keys®

- Compliant with XZN® specifications.
- Finish: chromed.

	A [mm]	XZN [No]	ΔΔ [g]
80.5	5	M5	16
80.6	6	M6	25
80.8	8	M8	46
80.10	10	M10	80
80.12	12	M12	131
80.14	14	M14	198
80.16	16	M16	300



Set of 7 angled keys for multiple XZN teeth



	Content set	Qty	ΔΔ [g]
80.JL7	M5 - M6 - M8 - M10 - M12 - M14 - M16	7	918



RANGE OF FACOM SCREWING BITS

Quality - Durability - Economy

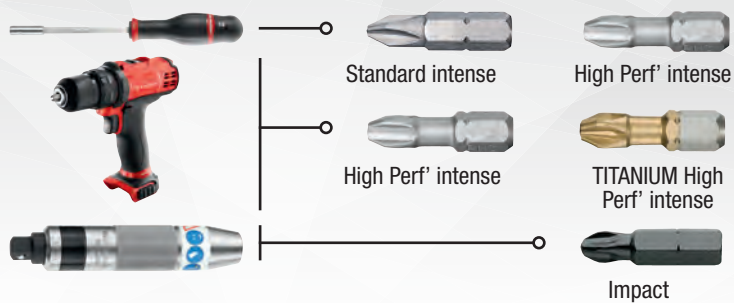
To choose your screwing bits, Facom offers different types of packaging:

- Per unit.
- Packaged by 3.
- 3 bits of the same type.
- 3 different bits.

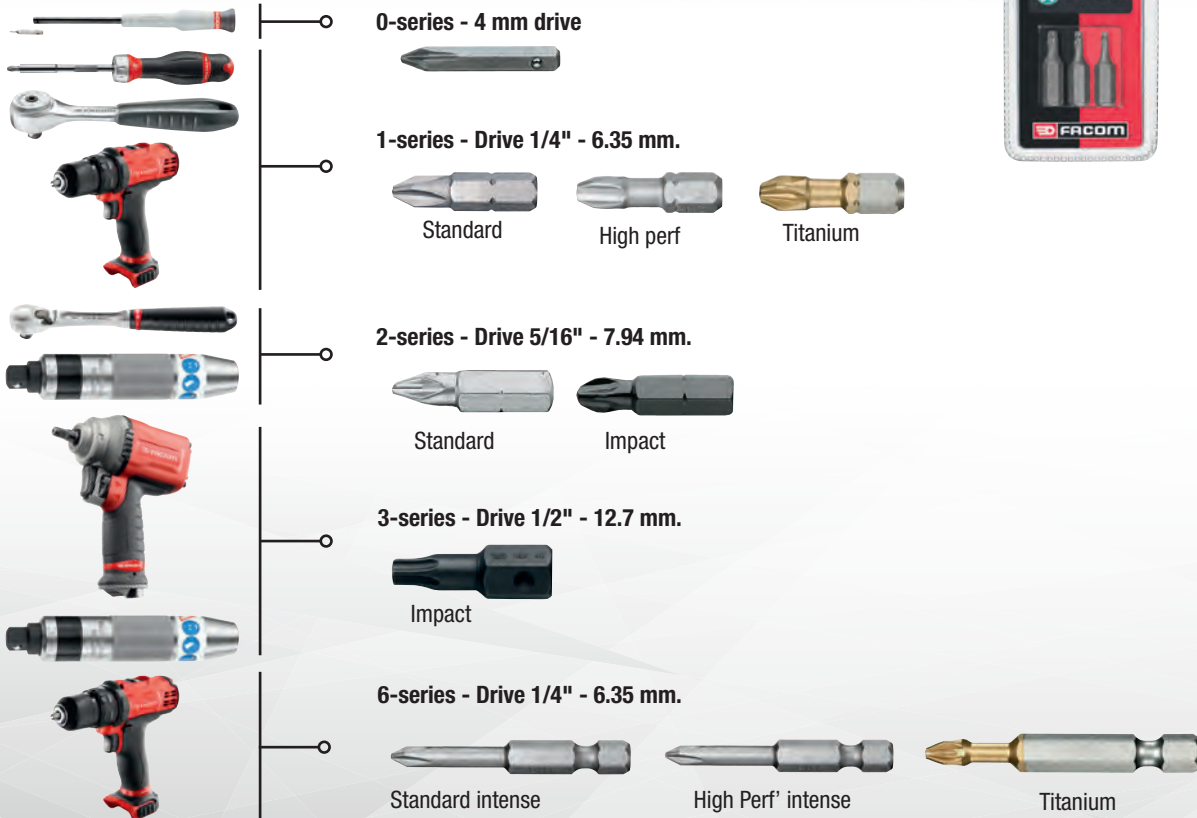


Choosing the right bit for your needs:

- 1-According to the type of screw-driving method used:

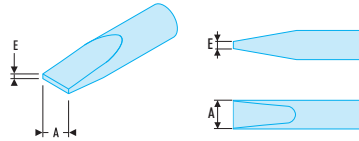


- 2-According to the hexagon drive:



STANDARD BITS SERIES 0 - DRIVE 4 MM

ES.0 - Screw bits for slotted head screws



- For manual high precision screwing.
- Drive 4 mm.
- For use with the Micro-Tech® bit holder screwdriver AEM.M.
- For use with the Micro-Tech® torque screwdrivers series A.300MT and A.340MT.



ES	E [mm]	E x l [mm]	L [mm]	A [mm]	ΔΔ [g]
ES.002	0,4	0,4 x 2,0	28	2,0	3
ES.002,5	0,4	0,4 x 2,5	28	2,5	3
ES.003	0,5	0,5 x 3,0	28	3,0	3
ES.004	0,5	0,5 x 4,0	28	4,0	3
ES.004,5	0,6	0,6 x 4,5	28	4,5	3

EP.0 - Screw bits for Phillips® screws



- For manual high precision screwing.
- Drive 4 mm.
- For use with the Micro-Tech® bit holder screwdriver AEM.M.
- For use with the Micro-Tech® torque screwdrivers series A.300MT and A.340MT.



EP	L [mm]	Phillips [No]	ΔΔ [g]
EP.0X2	28	PH.00	3
EP.000	28	PH.0	3

ED.0 - Screw bits for Pozidriv® screws



- For manual high precision screwing.
- Drive 4 mm.
- For use with the Micro-Tech® bit holder screwdriver AEM.M.
- For use with the Micro-Tech® torque screwdrivers series A.300MT and A.340MT.



ED	L [mm]	Pozidriv [No]	ΔΔ [g]
ED.0X2	28	PZ.00	3
ED.000	28	PZ.0	3
ED.001	28	PZ.1	3

EH.0 - Screw bits for countersunk hex head screws



- For manual high precision screwing.
- Drive 4 mm.
- For use with the Micro-Tech® bit holder screwdriver AEM.M.
- For use with the Micro-Tech® torque screwdrivers series A.300MT and A.340MT.



EH	L [mm]	Hex Size [mm]	ΔΔ [g]
EH.000,9	28	0,9	3
EH.001,3	28	1,3	3
EH.001,5	28	1,5	3
EH.002	28	2,0	3
EH.002,5	28	2,5	3

ETS.0 - Screw bits for countersunk hex spherical head screws

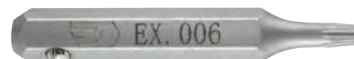


- For manual high precision screwing.
- Drive 4 mm.
- For use with the Micro-Tech® bit holder screwdriver AEM.M.



ETS	L [mm]	Hex Size [mm]	ΔΔ [g]
ETS.001,5	28	1,5	3
ETS.002	28	2,0	3
ETS.002,5	28	2,5	3

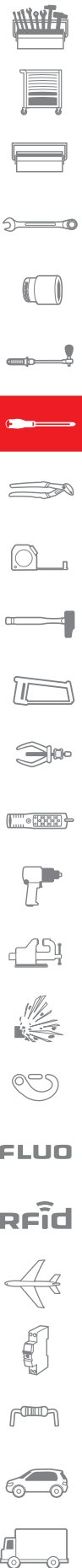
EX.0 - Screw bits for Torx® screws



- For manual high precision screwing.
- Drive 4 mm.
- For use with the Micro-Tech® bit holder screwdriver AEM.M.
- For use with the Micro-Tech® torque screwdrivers series A.300MT and A.340MT.



EX	L [mm]	Torx [No]	ΔΔ [g]
EX.006	28	T6	2
EX.007	28	T7	2
EX.008	28	T8	2
EX.010	28	T10	2



STANDARD BITS SERIES 0 - DRIVE 4 MM

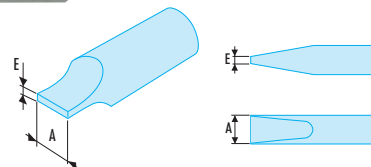
Socket holder bit 4mm - 1/4"



- Bit to use 1/4" "radio" series sockets with the Micro-Tech® torque screwdrivers A.300MT and A.340MT.
- Drive 4 mm (hex).
- Length: 22 mm.

Part No.	L [mm]	ΔΔ [g]
ECR.0	22	7

ES.1 - Standard bits series 1 for slotted head screws



- NF ISO 2351-1, NF ISO 1173, ISO 2351-1, ISO 1173, DIN ISO 2351-1
- For manual screwing.
 - Drive 1/4" - 6.35 mm.

Part No.	A [mm]	E [mm]	L [mm]	ΔΔ [g]
ES.133	3	0,5	25	5

EP.1 - Standard bits series 1 for Phillips® screws



- NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2
- For manual screwing.
 - Drive 1/4" - 6.35 mm.

Part No.	L [mm]	Phillips [No]	ΔΔ [g]
EP.100	25	PH0	7
EP.111	50	PH1	14
EP.122	50	PH2	14

ED.1 - Standard bits series 1 for Pozidriv® screws



- NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2
- For manual screwing.
 - Drive 1/4" - 6.35 mm.

Part No.	L [mm]	Pozidriv [No]	ΔΔ [g]
ED.100	25	PZ0	6
ED.111	50	PZ1	11
ED.112	50	PZ2	12

ECAR.1 - Standard bits series 1 for ROBERTSON square head screws



- NF ISO 1173, ISO 1173
- For manual screwing.
 - Drive 1/4" - 6.35 mm.

Part No.	d [mm]	L [mm]	square [No]	Square [°]	ΔΔ [g]
ECAR.101	3,5	25	1	1	8
ECAR.102	6,0	25	2	2	10
ECAR.103	6,0	25	3	3	12

EX.1 - Standard bits series 1 for Torx® screws



- NF ISO 1173, ISO 1173
- Compliant with Torx® specifications.
 - For manual screwing.
 - Drive 1/4" - 6.35 mm.

Part No.	A [mm]	L [mm]	Torx [No]	ΔΔ [g]
EX.106	1,65	25	T6	5
EX.107	1,97	25	T7	5
EX.108	2,30	25	T8	5
EX.109	2,48	25	T9	5
EX.110	2,72	25	T10	5
EX.115	3,26	25	T15	5
EX.120	3,84	25	T20	6
EX.125	4,40	25	T25	6
EX.127	4,96	25	T27	6
EX.130	5,49	25	T30	6
EX.140	6,60	25	T40	6

STANDARD BITS SERIES 1 - 1/4" - 6.35 MM DRIVE

EX1 - Set of 3 series 1 Torx® bits



- For Torx® screws.
- For manual screwing.
- Drive 1/4" - 6.35 mm.



	L [mm]	Torx [No]	Content set	ΔΔ [g]
EX108.J3	25	T8	EX.108 (x3)	19
EX110.J3	25	T10	EX.110 (x3)	19
EX115.J3	25	T15	EX.115 (x3)	19
EX120.J3	25	T20	EX.120 (x3)	24
EX125.J3	25	T25	EX.125 (x3)	21
EX127.J3	25	T27	EX.127 (x3)	20
EX130.J3	25	T30	EX.130 (x3)	21
EX140.J3	25	T40	EX.140 (x3)	24

Set of 3 series 1 Torx® bits T8-10-15



- Drive 1/4" - 6.35 mm.
- For manual screwing.
- For Torx® screws.
- Including 3 bits:
 - EX.108 (T8).
 - EX.110 (T10).
 - EX.115 (T15).
- Length: 25mm.



	Bits	ΔΔ [g]
EX11.J3	EX.125	80

Set of 3 series 1 Torx® bits T20-25-30



- Drive 1/4" - 6.35 mm.
- For manual screwing.
- For Torx® screws.
- Including 3 bits:
 - EX.120 (T20).
 - EX.125 (T25).
 - EX.130 (T30).
- Length: 25 mm.



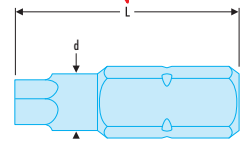
	Bits	ΔΔ [g]
EX12.J3	EX.127	41

EXP.1 - Standard bits series 1 for Torx Plus® screws



NF ISO 1173, ISO 1173

- Compliant with Torx Plus® specifications.
- For manual screwing.
- Drive 1/4" - 6.35 mm.

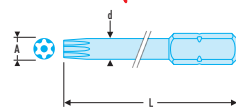


	L [mm]	Resistorx [No]	ΔΔ [g]
EXP.106	25	IP6	5
EXP.107	25	IP7	5
EXP.108	25	IP8	5
EXP.109	25	IP9	5
EXP.110	25	IP10	5
EXP.115	25	IP15	5
EXP.120	25	IP20	6
EXP.125	25	IP25	6
EXP.127	25	IP27	6
EXP.130	25	IP30	6
EXP.140	25	IP40	6

EXR.1 - Standard bits series 1 for Resistorx® screws

NF ISO 1173, ISO 1173

- Compliant with Resistorx® specifications.
- For manual screwing.
- Drive 1/4" - 6.35 mm.
- Long bits 70 mm are low cut for access to screws inserted in the wells.



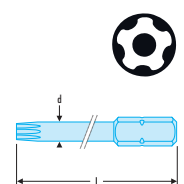
	A [mm]	d [mm]	L [mm]	Resistorx [No]	ΔΔ [g]
EXR.110	2,72	-	25	TT10	5
EXR.115	3,26	-	25	TT15	6
EXR.120	3,84	-	25	TT20	6
EXR.125	4,40	-	25	TT25	6
EXR.127	4,96	-	25	TT27	6
EXR.130	5,59	-	25	TT30	6
EXR.140	6,60	-	25	TT40	6
EXR.110L	2,72	5,2	70	TT10	8
EXR.115L	3,26	5,2	70	TT15	8
EXR.120L	3,84	5,6	70	TT20	9
EXR.125L	4,40	5,6	70	TT25	11
EXR.130L	5,59	6,0	70	TT30	14
EXR.140L	6,60	7,1	70	TT40	17

EXRP.1 - Standard bits series 1 for Tamper Resistant Torx Plus® screws

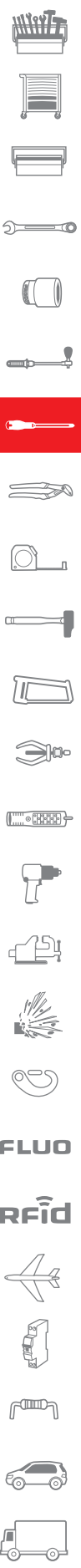


NF ISO 1173, ISO 1173

- Compliant with Tamper Resistant Torx Plus® specifications.
- For manual screwing.
- Drive 1/4" - 6.35 mm.



	L [mm]	Tamper [No]	ΔΔ [g]
EXRP.108	25	IPR8	5
EXRP.110	25	IPR10	5
EXRP.115	25	IPR15	6
EXRP.120	25	IPR20	6
EXRP.125	25	IPR25	6
EXRP.127	25	IPR27	6
EXRP.130	25	IPR30	6
EXRP.140	25	IPR40	6



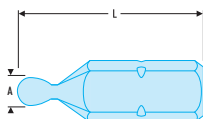
STANDARD BITS SERIES 1 - 1/4" - 6.35 MM DRIVE

ETS.1 - Standard bits series 1 with spherical head for countersunk hex screws



NF ISO 1173, ISO 1173

- The spherical head allows for screwing with a tilt angle up to 30°.
- For manual screwing.
- Drive 1/4" - 6.35 mm.



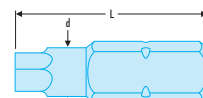
ETS	L [mm]	6 [mm]	ΔΔ [g]
ETS.102,5	25	2,5	5
ETS.103	25	3,0	5
ETS.104	25	4,0	5
ETS.105	25	5,0	6
ETS.106	25	6,0	6

EH.1 - Screw bits series 1 for metric countersunk hex head screws



NF ISO 2351-3, NF ISO 1173, ISO 2351-3, ISO 1173, DIN ISO 2351-3

- For manual screwing.
- Drive 1/4" - 6.35 mm.



EH	L [mm]	6 [mm]	ΔΔ [g]
EH.101,5	25	1,5	5
EH.102	25	2,0	5
EH.102,5	25	2,5	5
EH.103	25	3,0	5
EH.104	25	4,0	5
EH.105	25	5,0	6
EH.106	25	6,0	7
EH.107	25	7,0	8
EH.108	25	8,0	9
EH.110	25	10,0	11

EH.10 - Set of 3 screw bits series 1 for metric countersunk hex head screws



- For manual screwing.
- Drive 1/4" - 6.35 mm.

EH	L [mm]	6 [mm]	Set contents	ΔΔ [g]
EH102.J3	25	2,0	EH.102 (x3)	15
EH102,5.J3	25	2,5	EH.102,5 (x3)	19
EH103.J3	25	3,0	EH.103 (x3)	18
EH104.J3	25	4,0	EH.104 (x3)	17
EH105.J3	25	5,0	EH.105 (x3)	20
EH106.J3	25	6,0	EH.106 (x3)	24
EH108.J3	25	8,0	EH.108 (x3)	31

Set of 3 screw bits series 1 for metric countersunk hex head screws



- For manual screwing.
- Drive 1/4" - 6.35 mm.
- Including 3 bits:
 - EH.104 (4 mm).
 - EH.105 (5 mm).
 - EH.106 (6 mm).

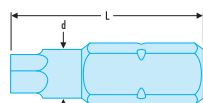
EH	L [mm]	ΔΔ [g]
EH1.J3	25	19

EH.1 - Screw bits series 1 for inch countersunk hex head screws



NF ISO 1173, ISO 1173

- For manual screwing.
- Drive 1/4" - 6.35 mm.



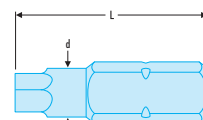
EH	A ["]	L [mm]	ΔΔ [g]
EH.101/8	1/8	25	5
EH.105/32	5/32	25	5
EH.103/16	3/16	25	5
EH.107/32	7/32	25	6
EH.101/4	1/4	25	7

EV.1 - Standard bits series 1 for XZN multiple teeth head screws



NF ISO 1173, ISO 1173

- For manual screwing.
- Drive 1/4" - 6.35 mm.



EV	L [mm]	XZN [No]	ΔΔ [g]
EV.104	25	M4	5
EV.105	25	M5	5
EV.106	25	M6	6
EV.108	25	M8	7
EV.110	25	M10	8

ETRI.1 - Standard bits series 1 for Tri-wing head screws



NF ISO 1173, ISO 1173
 • For manual screwing.
 • Drive 1/4" - 6.35 mm.



Item	L [mm]	6 [mm]	ΔΔ [g]
ETRI.101	25	1	5,5
ETRI.102	25	2	5,5
ETRI.103	25	3	5,5
ETRI.104	25	4	5,5
ETRI.105	25	5	5,5

EBNA.1 - Standard bits series 1 for BNAE head screws



NF ISO 1173, ISO 1173
 • For manual screwing.
 • Drive 1/4" - 6.35 mm.



Item	L [mm]	BNAE [No]	ΔΔ [g]
EBNA.104	25	4	5
EBNA.105	25	5	5
EBNA.106	25	6	6

ETOR - Standard bits series 1 for Torq Set® head screws



NF ISO 1173, ISO 1173
 • For manual screwing.
 • Drive 1/4" - 6.35 mm.



Item	L [mm]	6 [mm]	ΔΔ [g]
ETOR.100	25	0	5,5
ETOR.101	25	1	5,5
ETORM.101/4	32	1/4	13
ETORM.102	25	2	6
ETORM.103	25	3	6
ETORM.104	25	4	6
ETORM.105	25	5	6
ETORM.106	25	6	6
ETORM.108	25	8	6
ETORM.110	25	10	6

AME.B - Sets of 9 High Perf' bits + bit holder



- For intense manual screwing.
- AME.B3: Slotted head, Phillips®, Pozidriv®.
- AME.B4: Slotted head, Pozidriv®, hex.
- AME.B5: Slotted head, Phillips®, Torx®.
- AME.B6: Torx®, Resistorx®.
- Supplied with clasp bit holder (Ref EF.6P1).
- Compact box, dim.

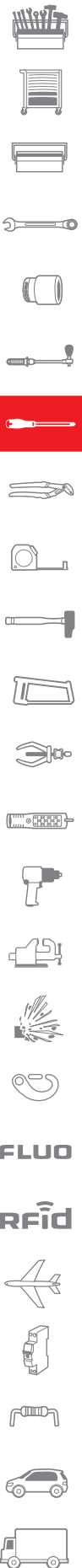
Item	6 [mm]	A [mm]	Phillips [No]	Pozidriv [No]	Resistorx [No]	Torx [No]	ΔΔ [g]
AME.B3	-	0,6 x 4,5 - 1,0 x 5,5 - 1,2 x 6,5	1 - 2 - 3	1 - 2 - 3	-	-	100
AME.B4	2,5 - 3,0 - 4,0 - 5,0 - 6,0	0,6 x 4,5 - 1,0 x 5,5	-	1 - 2	-	-	100
AME.B5	-	0,6 x 4,5 - 1,0 x 5,5	1 - 2	-	-	T10 - T15 - T20 - T30	100
AME.B6	-	-	-	-	TT10 - TT15 - TT20 - TT25 - TT27 - TT30 - TT40	8 - 9	125

"Pocket" bit holder handle

- Equivalent to 6 screwdrivers in 1.
- Built-in bit storage = 3 slotted head bits and 3 Pozidriv® for manual screwing.
- Magnetic 1/4" bit holder blade.
- Compact volume in closed position.



Item	A [mm]	Pozidriv [No]	ΔΔ [g]
FPZ	4,5 - 6,5 - 8,0	1 - 2 - 3	200



FLUO

RFid

SETS OF STANDARD SERIES 1 BITS + BIT HOLDER IN BAG - 1/4" - 6.35 MM DRIVE

SCREW BITS BOX

Exclusive design: compact and easy to use

Polyamide case (PA66)

- High impact resistance.
- Bits held effectively and durably.
- Good resistance to chemicals.



- 1 Easy opening/closing.
- 2 Effective and easy bit push-out system on the rear face.
- 3 Easy selection: bits visible on the front face + pattern symbols.



Combined set of 10 bits 1/4" - 25 mm + bit holder - No.2



- Including:
 - Bits for manual screwing.
 - Slotted head bits: ES.134,5T - ES.136,5T - ES.148T.
 - Pozidriv® bits: ED.101T - ED.102T - ED.103T.
 - 6-point bits: EH.103 - EH.104 - EH.105 - EH.106.
 - Bit holder: EF.6P1.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.111	119

Combined set of 10 bits 1/4" - 25 mm + bit holder - No.1



- Including:
 - Bits for manual screwing.
 - Slotted head bits: ES.134,5T - ES.135,5T - ES.136,5T - ES.148T.
 - Phillips® bits: EP.101T - EP.102T - EP.103T.
 - Pozidriv® bits: ED.101T - ED.102T - ED.103T.
 - Bit holder: EF.6P1.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.110	115

Combined set of 10 Torx® bits 1/4" - 25 mm + bit holder



- Including:
 - Bits for manual screwing.
 - Bits: EX.108 - EX.109 - EX.110 - EX.115 - EX.120 (x2) - EX.125 - EX.127 - EX.130 - EX.140.
 - Bit holder: EF.6P1.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.112	121

Combined set of 10 Resistorx® bits 1/4" - 25 mm + bit holder



- Including:
 - Bits for manual screwing.
 - Bits: EXR.110 - EXR.115 - EXR.120 (X2) - EXR.125 (X2) - EXR.127 - EXR.130 (X2) - EXR.140.
 - Bit holder: EF.6P1.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.113	100

■ Combined set of 10 Tamper Resistant Torx Plus® bits 1/4" - 25 mm + bit holder



- Including:
 - Bits for manual screwing.
 - Bits: EXRP.108 - EXRP.110 - EXRP.120 (X2) - EXRP.125 - EXRP.127 - EXRP.130 (X2) - EXRP.140.
 - Bit holder: EF.6P1.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.114	116

■ Combined set of 10 Torx Plus® bits 1/4" - 25 mm + bit holder



- Including:
 - Bits for manual screwing.
 - Bits: EXP.108 - EXP.109 - EXP.110 - EXP.115 - EXP.120 - EXP.125 - EX.127 - EX.130 (x2) - EXP.140.
 - Bit holder: EF.6P1.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.116	116

■ Combined set of 28 High Perf' series 1 bits + bit holder



- For intense manual screwing.
- Drive 1/4" - 6.35 mm.
- Including:
 - 3 bits for slotted heads: ES.134,5T - ES.136,5T - ES.148T.
 - 3 bits for Phillips® screws: EP.101T - ES.102T - ES.103T.
 - 3 bits for Pozidriv® screws: ED.101T - ED.102T - ED.103T.
 - 4 6-point bits: EH.103 - EH.104 - EH.105 - EH.106.
 - 6 Torx® bits: EX.110 - EX.115 - EX.120 - EX.125 - EX.130 - EX.140.
 - Bit holder: EF.6P1.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.120	270

■ Set of 10 bits 1/4" - 50 mm



- Drive 1/4" - 6.35 mm.
- Including:
 - 3 bits for Phillips® screws: EP.601T - EP.602T (x2).
 - 3 bits for Pozidriv®: ED.601T - ED.602T (x2).
 - 4 6-point bits: EH.603 - EH.604 - EH.605 - EH.606.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.611	171

■ Set of 10 bits 50 mm long with groove



- Drive 1/4" - 6.35 mm.
- Including:
 - 3 bits for Phillips® screws: EP.601T - EP.602T (x2).
 - 3 bits for Pozidriv®: ED.601T - ED.602T (x2).
 - 4 Torx® bits: T10 - T20 - T25 - T30.
- Supplied in compact high strength and chemical resistant polyamide case.

	$\Delta\Delta$ [g]
E.612	171



FLUO

RFid

MODULES OF STANDARD SERIES 1 BITS - 1/4" - 6.35 MM DRIVE

Module with 20 screw bits



Module	H [mm]	L [mm]	Set contents	Tray	Qty	ΔΔ [kg]
MOD.E20L	40	418	EH.204L, 205L, 206L, 207L, 208L, 210L, EV.205L, 206L, 208L, 210L, EX.230L, 240L, 245L, 250L - EXR.110L, 115L, 120L, 125L, 130L, 140L - J.236	PL.624	20	0.755

Module with 41 screw bits



Module	H [mm]	L [mm]	Set contents	Tray	Qty	ΔΔ [kg]
MOD.E41	40	418	ED.101T-102T-103T - EH.104-105-106-107 - EH.204L-205L-206L-207L-208L-210L - EH.208-210 - EV.205L-206L-208L-210L - EV.206-208-210 - EX.230L-240L-245L-250L - EX.245-250-255	PL.621	44	0.895

ES.1T - High Perf' bits series 1 for slotted head screws



NF ISO 2351-1, NF ISO 1173, ISO 2351-1, ISO 1173, DIN ISO 2351-1

- For intense manual screwing.
- Drive 1/4" - 6.35 mm.

Model	A [mm]	E [mm]	L [mm]	ΔΔ [g]
ES.134T	4,0	0,5	25	2
ES.134,5T	4,5	0,6	25	3
ES.135,5T	5,5	0,8	25	3
ES.145,5T	5,5	1,0	25	4
ES.136,5T	6,5	1,2	25	4
ES.148T	8,0	1,6	25	8

EP.1T - High Perf' bits series 1 for Phillips® screws



NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2

- For intense manual screwing.
- Drive 1/4" - 6.35 mm.

Model	L [mm]	Phillips [No]	ΔΔ [g]
EP.101T	25	PH1	3
EP.102T	25	PH2	4
EP.103T	25	PH3	4

HIGH POWER BITS SERIES 1 - 1/4" - 6.35 MM DRIVE

ED.1T - High Perf' bits series 1 for Pozidriv® screws



NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2

- For intense manual screwing.
- Drive 1/4" - 6.35 mm.

Model	L [mm]	Pozidriv [No]	ΔΔ [g]
ED.101T	25	PZ1	3
ED.102T	25	PZ2	4
ED.103T	25	PZ3	4

■ ES13T - ES14T - Set of 3 High Perf' bits series 1 for slotted head screws



- For intense manual screwing.
- Drive 1/4" - 6.35 mm.

ES	E [mm]	L [mm]	Set contents	ΔΔ [g]
ES134T.J3	0,5	25	ES.134T (x3)	17
ES134,5T.J3	0,6	25	ES.134.5T (x3)	17
ES135,5T.J3	0,8	25	ES.135.5T (x3)	19
ES136,5T.J3	1,2	25	ES.136.5T (x3)	21
ES148T.J3	1,5	25	ES.148T (x3)	20

■ EP10T - Sets of 3 High Perf' bits series 1 - 25 mm



- For intense manual screwing.
- Drive 1/4" - 6.35 mm.

EP	L [mm]	Phillips [No]	Set contents	ΔΔ [g]
EP101T.J3	25	PH1	EP.101T (x3)	17
EP102T.J3	25	PH2	EP.102T (x3)	17
EP103T.J3	25	PH3	EP.103T (x3)	16

■ ED10T - Sets of 3 High Perf' bits series 1 for Pozidriv® screws



- For intense manual screwing.
- Drive 1/4" - 6.35 mm.

ED	L [mm]	Pozidriv [No]	Content set	ΔΔ [g]
ED101T.J3	25	PZ1	ED.101T (x3)	17
ED102T.J3	25	PZ2	ED.102T (x3)	17
ED103T.J3	25	PZ3	ED.103T (x3)	20

■ Set of 3 High Perf' bits for slotted head screws



- For intense manual screwing.
- Drive 1/4" - 6.35 mm.
- Length: 25 mm.
- Including 3 bits:
 - ES.134.5 (4.5 mm).
 - ES.136.5 (6.5 mm).
 - ES.148T (8 mm).

ES	L [mm]	ΔΔ [g]
ES1.J3	25	17

■ Set of 3 High Perf' bits for Phillips® screws



- NF ISO 1173, ISO 1173
- For intense manual screwing.
 - Drive 1/4" - 6.35 mm.
 - Length: 25 mm.
 - Including 3 bits:
 - EP.101 (PH1).
 - EP.102 (PH2).
 - EP.103 (PH3).

EP	L [mm]	ΔΔ [g]
EP1.J3	25	19

■ Set of 3 High Perf' bits for Pozidriv® screws



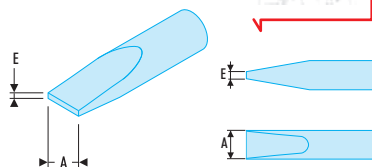
- For intense manual screwing.
- Drive 1/4" - 6.35 mm.
- Length: 25 mm.
- Including 3 bits:
 - ED.101 (PZ1).
 - ED.102 (PZ2).
 - ED.103 (PZ3).

ED	L [mm]	ΔΔ [g]
ED1.J3	25	18



HIGH POWER TITANIUM BITS SERIES 1 - 1/4" - 6.35 MM DRIVE

ES.12T - High Perf' Titanium bits series 1 for slotted head screws



- NF ISO 2351-1, NF ISO 1173, ISO 2351-1, ISO 1173, DIN ISO 2351-1
- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm.



ES	A [mm]	E [mm]	L [mm]	ΔΔ [g]
ES.124,5T	4,5	0,6	25	3
ES.125,5T	5,5	0,8	25	3
ES.175,5T	5,5	1,0	25	4
ES.126,5T	6,5	1,2	25	4
ES.128T	8,0	1,6	25	8

EP.13T - High Perf' Titanium bits series 1 for Phillips® screws



- NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2
- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm.



EP	L [mm]	Phillips [No]	ΔΔ [g]
EP.131T	25	PH1	3
EP.132T	25	PH2	4
EP.133T	25	PH3	4

EED.13T - High Perf' Titanium bits series 1 for Pozidriv® screws



- NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2
- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm.



EED	L [mm]	Pozidriv [No]	ΔΔ [g]
EED.131T	25	PZ1	3
EED.132T	25	PZ2	4
EED.133T	25	PZ3	4

EP13T - Sets of 3 High Perf' Titanium bits series 1 - 25 mm



- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm.

EP	L [mm]	Phillips [No]	Set contents	ΔΔ [g]
EP131T.J3	25	PH1	EP.131T (x3)	16
EP132T.J3	25	PH2	EP.132T (x3)	18
EP133T.J3	25	PH3	EP.133T (x3)	17



ED13T - Sets of 3 High Perf' Titanium bits series 1 - 25 mm - Titanium



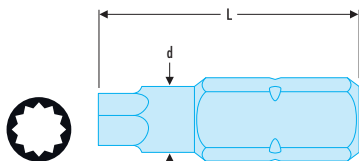
- NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2
- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm.

ED	L [mm]	Pozidriv [No]	Set contents	ΔΔ [g]
ED131T.J3	25	PZ1	ED.131T (x3)	17
ED133T.J3	25	PZ3	ED.133T (x3)	19



STANDARD BITS SERIES 2 - 5/16" - 7.94 MM DRIVE

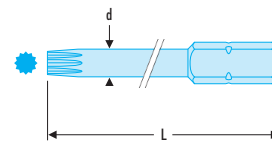
EV.2 - Standard bits series 2 for XZN multiple teeth head screws



NF ISO 1173, ISO 1173
 • For manual screwing.
 • Drive 5/16" - 7.94 mm.

Item	L [mm]	XZN [No]	ΔΔ [g]
EV.206	28	M6	9
EV.208	28	M8	10
EV.210	32	M10	15
EV.212	36	M12	21

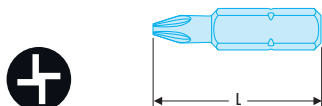
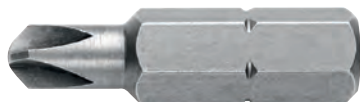
EV.L - Standard long bits series 2 for XZN multiple teeth head screws



NF ISO 1173, ISO 1173
 • For manual screwing.
 • Drive 5/16" - 7.94 mm.

Item	d [mm]	L [mm]	XZN [No]	ΔΔ [g]
EV.205L	6,0	70	M5	26
EV.206L	7,0	70	M6	27
EV.208L	7,5	70	M8	28
EV.210L	10,0	70	M10	39

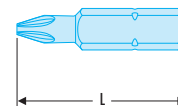
ETORM.2 - Standard bits series 2 for Torq Set® head screw



NF ISO 1173, ISO 1173
 • For manual screwing.
 • Drive 5/16" - 7.94 mm.

Item	L [mm]	Screw Size [mm]	ΔΔ [g]
ETORM.201/4	1/4	1/4	14
ETORM.203/8	3/8	3/8	14
ETORM.205/16	5/16	5/16	14
ETORM.208	8	8	14
ETORM.210	10	10	14

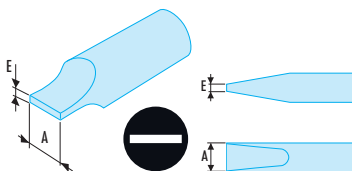
EBNA.2 - Standard bits series 2 for BNAE head screws



NF ISO 1173, ISO 1173
 • For manual screwing.
 • Drive 5/16" - 7.94 mm.

Item	L [mm]	BNAE [No]	ΔΔ [g]
EBNA.204	35	4	9
EBNA.205	35	5	9
EBNA.206	35	6	10
EBNA.208	35	8	10

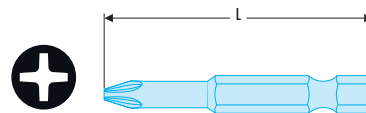
ES.6 - Standard bits series 6 for slotted head screws



NF ISO 2351-1, NF ISO 1173, ISO 2351-1, ISO 1173, DIN ISO 2351-1
 • Drive 1/4" - 6.35 mm with groove.

Item	A [mm]	E [mm]	L [mm]	ΔΔ [g]
ES.603	3,0	0,5	50	8
ES.603,5	3,5	0,6	50	8
ES.604	4,0	0,5	50	9
ES.604,5	4,5	0,6	50	9
ES.605,5	5,5	0,8	50	10
ES.606,5	6,5	1,2	50	11
ES.608	8,0	1,2	70	13,70
ES.623	3,0	0,5	70	9
ES.623,5	3,5	0,6	70	9
ES.624	4,0	0,8	70	11
ES.625,5	5,5	1,0	70	14

EP.6 - Standard bits series 6 for Phillips® screws



NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2
 • Drive 1/4" - 6.35 mm with groove.

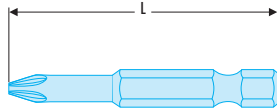
Item	L [mm]	Phillips [No]	ΔΔ [g]
EP.661	70	PH1	12
EP.662	70	PH2	14
EP.663	70	PH3	15
EP.691	90	PH1	16
EP.692	90	PH2	18

STANDARD BITS SERIES 6 - 1/4" - 6.35 MM GROOVED DRIVE

ED.6 - Standard bits series 6 for Pozidriv® screws



NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2
• Drive 1/4" - 6.35 mm with groove.

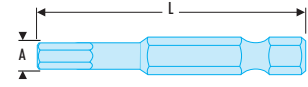


ED	L [mm]	Pozidriv [No]	ΔΔ [g]
ED.661	70	PZ1	12
ED.662	70	PZ2	14
ED.663	70	PZ3	15
ED.691	90	PZ1	16
ED.692	90	PZ2	18
ED.693	90	PZ3	19

EX.6 - Standard bits series 6 for Torx® screws



NF ISO 1173, ISO 1173
• Compliant with Torx® specifications.
• Drive 1/4" - 6.35 mm with groove.

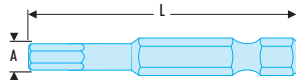


EX	A [mm]	d [mm]	L [mm]	Torx [No]	ΔΔ [g]
EX.610	2,72	5,2	70	T10	8
EX.615	3,26	5,2	70	T15	9
EX.620	3,84	5,6	70	T20	10
EX.625	4,40	5,6	70	T25	11
EX.627	4,96	5,8	70	T27	13
EX.630	5,59	6,0	70	T30	14
EX.640	6,60	7,1	70	T40	18

EH.6 - Standard bits series 6 for countersunk hex screws



NF ISO 2351-3, NF ISO 1173, ISO 2351-3, ISO 1173, DIN ISO 2351-3
• Drive 1/4" - 6.35 mm with groove.



EH	L [mm]	Hex Size [mm]	ΔΔ [g]
EH.603	50	3	14
EH.604	50	4	14
EH.605	50	5	15
EH.606	50	6	15
EH.608	50	8	18

EH60 - Sets of 3 standard bits series 6



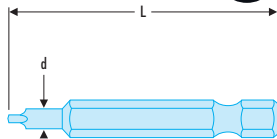
• For hex screws.
• Drive 1/4" - 6.35 mm.

EH	L [mm]	Hex Size [mm]	Set contents	ΔΔ [g]
EH603.J3	50	3	EH.603 (x3)	30
EH604.J3	50	4	EH.604 (x3)	32
EH605.J3	50	5	EH.605 (x3)	38
EH606.J3	50	6	EH.606 (x3)	44

ECAR.6 - Standard bits series 6 for ROBERTSON square head screws



NF ISO 1173, ISO 1173
• Drive 1/4" - 6.35 mm with groove.

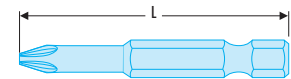


ECAR	L [mm]	Square ["]	ΔΔ [g]
ECAR.601	50	1	10
ECAR.602	50	2	12
ECAR.603	50	3	15

ETORM.6 - Standard bits series 6 for Torq set® head screws



NF ISO 1173, ISO 1173
• Drive 1/4" - 6.35 mm with groove.



ETORM	L [mm]	Torq-set [No]	ΔΔ [g]
ETORM.601/4	50	1/4	12
ETORM.602	50	2	12
ETORM.603	50	3	12
ETORM.604	50	4	12
ETORM.605	50	5	12
ETORM.606	50	6	12
ETORM.608	50	8	12
ETORM.610	50	10	12



STANDARD BITS SERIES 6 - 1/4" - 6.35 MM GROOVED DRIVE

EF.6DM - Magnetic sockets for hex screws



NF ISO 1173, ISO 1173

- Holds the screw with a magnet.
- Drive 1/4" - 6.35 mm with groove.

EF	A [mm]	L [mm]	ΔΔ [g]
EF.6DM5,5L	5,5	70	31
EF.6DM7L	7,0	70	36
EF.6DM8L	8,0	70	42
EF.6DM10L	10,0	70	49
EF.6DM13L	13,0	70	63

EF.6D - Sockets for hex screws



NF ISO 1173, ISO 1173

- Drive 1/4" - 6.35 mm with groove.

EF	A [mm]	L [mm]	ΔΔ [g]
EF.6D5,5L	5,5	70	26
EF.6D7L	7,0	70	32
EF.6D8L	8,0	70	37
EF.6D10L	10,0	70	44
EF.6D13L	13,0	70	58

ES60 - Sets of 3 bits for slotted head screws - High Perf'



- Drive 1/4" - 6.35 mm.

ES	E [mm]	L [mm]	Set contents	ΔΔ [g]
ES603.J3	0,5	50	ES.603 (x3)	35
ES604.J3	0,5	50	ES.604 (x3)	30
ES604,5.J3	0,6	50	ES.604,5 (x3)	31
ES605,5.J3	0,8	50	ES.605,5 (x3)	36
ES606,5.J3	1,2	50	ES.606,5 (x3)	40
ES608.J3	1,2	50	ES.608 (x3)	45

EX6 - Sets of 3 bits for Torx® screws



- Drive 1/4" - 6.35 mm.

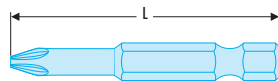
EX	L [mm]	Torx [No]	Set contents	ΔΔ [g]
EX610.J3	50	T10	EX.610 (x3)	30
EX615.J3	50	T15	EX.615 (x3)	29
EX620.J3	50	T20	EX.620 (x3)	32
EX625.J3	50	T25	EX.625 (x3)	39
EX630.J3	70	T30	EX.630 (x3)	40
EX640.J3	50	T40	EX.640 (x3)	43

EP.60T - For Phillips® screws



NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2

- Drive 1/4" - 6.35 mm with groove.



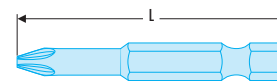
EP	L [mm]	Phillips [No]	ΔΔ [g]
EP.601T	50	PH1	9
EP.603T	50	PH3	11

ED.60T - For Pozidriv® screws



NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2

- Drive 1/4" - 6.35 mm with groove.



ED	L [mm]	Pozidriv [No]	ΔΔ [g]
ED.601T	50	PZ1	9
ED.603T	50	PZ3	11

SETS OF HIGH POWER SERIES 6 BITS - 1/4" - 6.35 MM GROOVED DRIVE

EP60T - Sets of 3 bits for Phillips® screws - High Perf'



ED60T - Sets of 3 bits for Pozidriv® screws - High Perf'



• Drive 1/4" - 6.35 mm with groove.

	L [mm]	Phillips [No]	Set contents	ΔΔ [g]
EP601T.J3	50	PH1	EP.601T (x3)	35
EP603T.J3	50	PH3	EP.603T (x3)	40

• Drive 1/4" - 6.35 mm.

	L [mm]	Pozidriv [No]	Set contents	ΔΔ [g]
ED601T.J3	50	PZ1	ED.601T (x3)	35
ED603T.J3	50	PZ3	ED.603T (x3)	38

EP.6T - High Perf' titanium bits series 6 for Phillips® screws



ED.6T - High Perf' titanium bits series 6 for Pozidriv® screws



NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2

- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm with groove.

	L [mm]	Phillips [No]	ΔΔ [g]
EP.631T	50	PH1	9
EP.632T	50	PH2	10
EP.633T	50	PH3	11

NF ISO 2351-2, NF ISO 1173, ISO 2351-2, ISO 1173, DIN ISO 2351-2

- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm with groove.

	L [mm]	Pozidriv [No]	ΔΔ [g]
ED.631T	50	PZ1	9
ED.632T	50	PZ2	10
ED.633T	50	PZ3	11

EP63T - Sets of 3 High Perf' titanium grooved bits series 6 - 50 mm



ED63T - Sets of 3 High Perf' titanium bits series 6 for Pozidriv® screws



- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm.

	L [mm]	Phillips [No]	Set contents	ΔΔ [g]
EP631T.J3	50	PH1	EP.631T (x3)	27
EP632T.J3	50	PH2	EP.632T (x3)	30
EP633T.J3	50	PH3	EP.633T (x3)	33

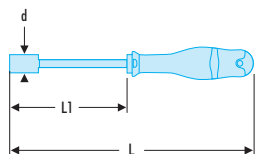
- For use on power or pneumatic nutrunners (except impact wrenches).
- Drive 1/4" - 6.35 mm.

	L [mm]	Pozidriv [No]	Set contents	ΔΔ [g]
ED631T.J3	50	PZ1	ED.631T (x3)	27
ED632T.J3	50	PZ2	ED.632T (x3)	30
ED633T.J3	50	PZ3	ED.633T (x3)	33



BIT HOLDERS AND ACCESSORIES FOR MANUAL SCREWING

AM - PROTWIST® bit holder screwdrivers



- Hexagonal - 1/4" - 6.35 mm drive.
- AM.H Snap-ring model.
- AM.M1 Short magnetic model.
- AM.M2 Long magnetic model.



Ref	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
AM.H	11	180	75	80
AM.M1	10	180	63	120
AM.M2	10	245	125	150

Socket holder bit - square 1/4"



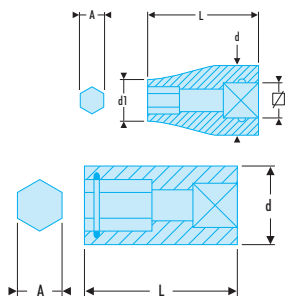
NF ISO 1173, ISO 1173

- Bit to use 1/4" sockets with the torque screwdrivers series A.400 - A.440 - A.301MT - A.341MT.
- Hexagonal - 1/4" - 6.35 mm drive.



Ref	L [mm]	ΔΔ [g]
ECR	25	15

Snap ring bit holder sockets



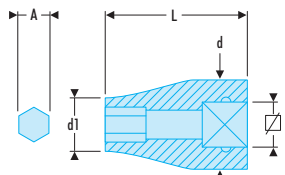
NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- For bits series 1 - 1/4" - 6.35 mm drive.
- The sockets Ref R.235 - J.235 - SJ.235 include a standard clip for frequent removal.
- The socket Ref R.245 includes a retaining clip ensuring the bits are held firmly. For rare removal, the drive is fitted with a hole for ball or plunger locking.



Ref	A ["]	d [mm]	L [mm]	Square ["]	ΔΔ [g]
R.235	1/4	11,3	22	1/4	10
R.245	1/4	11,3	22	1/4	10
J.235	1/4	18,0	30	3/8	28
SJ.235	1/4	18,6	30	CDX	28

J-SJ-S - Snap ring bit for bits series 2



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

- For bits series 2 - 5/16" - 7.94 mm drive.
- Manual use.



Ref	A ["]	d [mm]	d1 [mm]	L [mm]	Square ["]	ΔΔ [g]
J.236	5/16	18,0	14	30	3/8	30
SJ.236	5/16	18,6	14	30	CDX	32
S.236	5/16	23,0	14	36	1/2	54

BIT HOLDERS AND ACCESSORIES FOR NON IMPACT POWERED SCREWING

EF - Snap ring bit holder sockets

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

- For bits series 1 - 1/4" - 6.35 mm drive.

EF	A ["]	L [mm]	Square ["]	ΔΔ [g]
EF.R	1/4	30	1/4	25
EF.J	1/4	43	3/8	50
EF.S	1/4	50	1/2	88



Magnetic ring bit holder

NF ISO 1173, ISO 1173

- Drive 1/4" - 6.35 mm.
- Fast bit change.
- Holds the screw on the bit with a magnet.

EF	L [mm]	ΔΔ [g]
EF.6P6	77	41



Locking ring bit holder

NF ISO 1173, ISO 1173

- Drive 1/4" - 6.35 mm.
- Fast bit change.

EF	L [mm]	ΔΔ [g]
EF.6P5	51	31



Short snap ring bit holder

NF ISO 1173, ISO 1173

- Drive 1/4" - 6.35 mm.

EF	L [mm]	ΔΔ [g]
EF.6P1	57	30



Magnetic snap ring bit holder - berilium

NF ISO 1173, ISO 1173

- Berilium.

EF	L [mm]	ΔΔ [g]
EF.6P3	74	39



Magnetic snap ring bit holder

NF ISO 1173, ISO 1173

- Drive 1/4" - 6.35 mm.

EF	L [mm]	ΔΔ [g]
EF.6P4	75	36



BIT HOLDERS AND ACCESSORIES FOR NON IMPACT POWERED SCREWING

Socket holder - 1/4" square drive



- NF ISO 1173, ISO 1173**
- Drive 1/4" - 6.35 mm.
 - Locking by plunger.



🔧	L [mm]	ΔΔ [g]
EF.6R	50	16

Long socket holder - 1/4" square drive



- NF ISO 1173, ISO 1173**
- Drive 1/4" - 6.35 mm.
 - Locking by plunger.



🔧	L [mm]	ΔΔ [g]
EF.6RL	100	38

Socket holder - 3/8" square drive



- NF ISO 1173, ISO 1173**
- 3/8" drive.
 - Locking by plunger.



🔧	L [mm]	ΔΔ [g]
EF.6J	50	25

Long socket holder - 3/8" square drive



- NF ISO 1173, ISO 1173**
- 3/8" drive.
 - Locking by plunger.

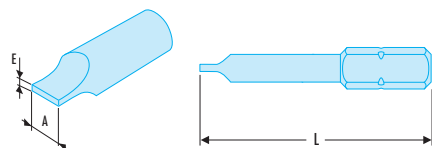


🔧	L [mm]	ΔΔ [g]
EF.6JL	100	80

ENS.2 - Impact bits series 2 for slotted head screws



- NF ISO 1173, ISO 1173**
- Use with impact screwdrivers.
 - Drive 5/16" - 7.94 mm.
 - Finish: burnt.

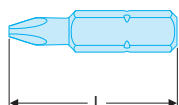


🔧	A [mm]	E [mm]	L [mm]	ΔΔ [g]
ENS.205,5	5,5	0,8	41	10
ENS.206,5	6,5	1,2	41	12
ENS.208	8,0	1,2	41	14
ENS.210	10,0	1,6	41	19
ENS.212	12,0	2,0	41	22
ENS.214	14,0	2,5	41	28

ENP.2 - Impact bits series 2 for Phillips® screws



- NF ISO 1173, ISO 1173**
- Use with impact screwdrivers.
 - Drive 5/16" - 7.94 mm.
 - Finish: burnt.



🔧	L [mm]	Phillips [No]	ΔΔ [g]
ENP.201	32	PH1	14
ENP.202	32	PH2	14
ENP.203	32	PH3	14
ENP.204	32	PH4	14

SERIES 2 IMPACT BITS - 5/16" - 7.94 MM DRIVE

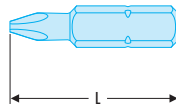
END.2 - Impact bits series 2 for Pozidriv® screws

NF ISO 1173, ISO 1173

- Use with impact screwdrivers.
- Drive 5/16" - 7.94 mm.
- Finish: burnt.



END	L [mm]	Pozidriv [No]	ΔΔ [g]
END.201	32	PZ1	10
END.202	32	PZ2	10
END.203	32	PZ3	11
END.204	32	PZ4	12



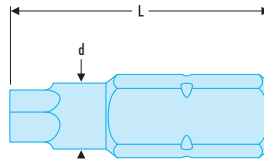
ENH.2 - Impact bits series 2 for hex countersunk screws

NF ISO 1173, ISO 1173

- Use with impact screwdrivers.
- Drive 5/16" - 7.94 mm.
- Finish: burnt.



ENH	L [mm]	6 [mm]	ΔΔ [g]
ENH.204	30	4	9
ENH.205	30	5	10
ENH.206	30	6	11
ENH.208	30	8	13
ENH.210	30	10	17



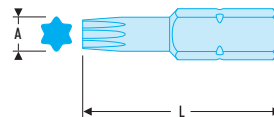
ENX.2 - Impact bits series 2 for Torx® screws

NF ISO 1173, ISO 1173

- Compliant with Torx® specifications.
- Use with impact screwdrivers.
- Finish: burnt.



ENX	A [mm]	L [mm]	Torx [No]	ΔΔ [g]
ENX.220	3,84	35	T20	13
ENX.225	4,40	35	T25	13
ENX.227	4,96	35	T27	13
ENX.230	5,49	35	T30	15
ENX.240	6,60	35	T40	15
ENX.245	7,77	35	T45	15
ENX.250	8,79	35	T50	18
ENX.255	11,77	35	T55	31



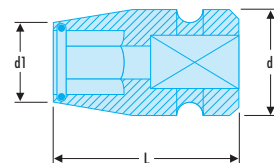
NJ-NS.236A - Bit holder impact sockets

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

- For your safety, use the locking rings and pins.
- Finish: burnt.

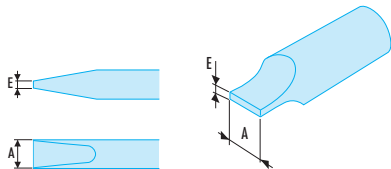


END	A ["]	BA	GA	d [mm]	d1 [mm]	L [mm]	Square ["]	ΔΔ [g]
NJ.236A	5/16	18B	18B	22	14	37	3/8	35
NS.236A	5/16	18B	18B	24	15,5	40	1/2	60



IMPACT BITS SERIES 3 - 1/2" DRIVE - 12,7 MM

■ ENS.3 - Impact bits series 3 for slotted head screws

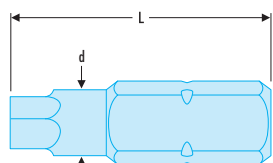


- NF ISO 1173, ISO 1173**
- Use with impact wrenches.
 - Finish: burnt.
 - Drive 1/2" - 12.7 mm.



🔧	E [mm]	L [mm]	ΔΔ [g]
ENS.312	2,0	50	40
ENS.314	2,5	50	46
ENS.316	2,5	50	59

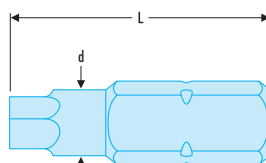
■ ENH.3 - Impact bits series 3 for metric hex countersunk screws



- NF ISO 1173, ISO 1173**
- Use with impact wrenches.
 - Drive 1/2" - 12.7 mm.
 - Finish: burnt.

🔧	A [mm]	L [mm]	ΔΔ [g]
ENH.303	3	50	20
ENH.304	4	50	22
ENH.305	5	50	22
ENH.306	6	50	24
ENH.307	7	50	24
ENH.308	8	50	24
ENH.310	10	50	30
ENH.311	11	50	40
ENH.312	12	50	45
ENH.314	14	50	55
ENH.317	17	50	73
ENH.319	19	50	86

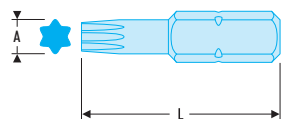
■ ENH.3 - Impact bits series 3 for inch hex countersunk screws



- NF ISO 1173, ISO 1173**
- Use with impact wrenches.
 - Drive 1/2" - 12.7 mm.
 - Finish: burnt.

🔧	A ["]	L [mm]	ΔΔ [g]
ENH.301/2	1/2	50	48
ENH.309/16	9/16	50	57
ENH.305/8	5/8	50	65
ENH.303/4	3/4	50	86
ENH.307/16	7/16	50	40

■ NEX - Impact bits series 3 for Torx® screws



- NF ISO 1173, ISO 1173**
- Compliant with Torx® specifications.
 - Use with impact wrenches.
 - Drive 1/2" - 12.7 mm.

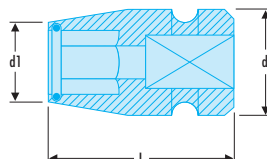


🔧	A [mm]	L [mm]	Torx [No]	ΔΔ [g]
NEX.25A	4,40	50	T25	18
NEX.27A	4,96	50	T27	18
NEX.30A	5,49	50	T30	20
NEX.40A	6,60	50	T40	25
NEX.45A	7,77	50	T45	25
NEX.50A	8,79	50	T50	30
NEX.55A	11,17	50	T55	38
NEX.60A	13,20	50	T60	45
NEX.70A	15,49	50	T70	55

NJ-NS.237A - Bit holder impact sockets

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

- Use with impact wrenches.
- For your safety, use the locking rings and pins.
- Finish: burnt.



ED	A ["]	BA	GA	d [mm]	d1 [mm]	L [mm]	Square ["]	ΔΔ [g]
NJ.237A	1/2	18B	18B	22	22	37	3/8	45
NS.237A	1/2	20B	20B	24	20	40	1/2	40

IMPACT BITS SETS

Case with 14 impact 3/8" bits

- Including:
- 2 bit holder sockets 3/8" drive, 1/2" and 5/16" hex (NJ.236A - NJ.237A).
- 6 hex impact bits: 6 - 7 - 8 - 10 - 12 - 14 mm (ref. ENH.306 - ENH.307 - ENH.308 - ENH.310 - ENH.312 - ENH.314).
- 5 Torx® impact bits: T30 - T40 - T45 - T50 - T55 (Ref. NEX.30A - NEX.40A - NEX.45A - NEX.50A - NEX.55A).
- 3 Phillips® impact bits: PH2 - PH3 - PH4 (Ref. ENP.202 - ENP.203 - ENP.204).
- Plastic case BP.102
- Heat-formed tray PL.501.



ED	H [mm]	L [mm]	ΔΔ [kg]
JHX.14A	52	205	0.76

Case with 14 impact 1/2" bits

- Including:
- 2 bit holder sockets 1/2", 1/2" and 5/16" hex drive.
- 6 hex: 6 - 7 - 8 - 10 - 12 - 14 mm.
- Torx® no. 30 - 40 - 45 - 50 - 55.
- Phillips® no. 2 - 3 - 4.
- Plastic case BP.102.
- Heat-formed tray PL.501.



ED	H [mm]	L [mm]	ΔΔ [kg]
NHX.14B	55	205	0.85



3/8" DRIVE SERIES

IMPACT SCREWDRIVERS



For loosening seized, rusted or stuck fasteners quickly and in complete safety

- Choose the correct bit for the screw head pattern and hit the driver with a mallet.
- Hitting the handle of the driver compresses a spring that fires the bit into rotation to loosen the screw. As there is no hard, repeated impact as is the case with impact wrenches, there is less risk of damage to the screw pattern.
- Also suitable for tightening.

Safety first

- Do not use anything other than a dead-blow hammer to avoid damaging the driver (see section 10).
- Wear eye protection (See section 15).



■ Impact screwdriver 3/8" drive



- 3/8" drive = 9.53 mm.
- Torque: 200 N.m.
- Diameter: 32 mm.
- Finish: chromed.



	L [mm]	Bits	ΔΔ [g]
NJ.260	160	ENH.309/16	795

■ Set of 12 impact screwdrivers



- Including:
 - END no. 2 - 3: Pozidrv® bits.
 - ENP no. 2 - 3: Phillips® bits.
 - ENS: 6.5 - 8 - 10 mm: Slotted head screw bits.
 - ENH: 5 - 6 - 8 mm: Hex bits.
 - NJ.236A.
 - NJ.260.
 - Plastic case BP.115.
 - Heat-formed tray PL.72A.



	ΔΔ [kg]
NJ.261M	1.72

■ Set of 16 impact screwdrivers



- Including:
 - END no. 2 - 3 - 4: Pozidrv® bits.
 - ENP no. 2 - 3 - 4: Phillips® bits.
 - ENS: 6.5 - 8 - 10 mm: Slotted head screw bits.
 - ENX no. 20 - 25 - 27 - 30 - 40: Torx® impact bits.
 - NJ.236A.
 - NJ.260.
 - Plastic case BP.115.
 - Heat-formed tray PL.73A.



	ΔΔ [kg]
NJ.262	1.78

1/2" DRIVE SERIES

Impact screwdriver 1/2" drive

- 1/2" drive = 12.7 mm.
- Torque: 400 N.m.
- Diameter: 32 mm.
- Finish: chromed.

Model	L [mm]	ΔΔ [g]
NS.260A	165	800



Set of 13 impact screwdrivers

- Including:
 - END no. 2 - 3 - 4: Pozidriv® bits.
 - ENS: 8 - 10 - 12 - 14 mm: Slotted head screw bits.
 - ENH: 5 - 6 - 8 - 10 mm: Hex bits.
 - NS.236A.
 - NS.260A.
 - Plastic case BP.115.
 - Thermoformed module PL.49A.

Model	ΔΔ [kg]
NS.263M	1.78



Impact screwdriver module

- Including:
 - NS.260A: Impact screwdriver 1/2" drive.
 - NS.236A: Bit holder socket with 1/2" to 5/16" drive bit.
 - 15 impact bits: ENH.5 - ENH.6 - ENH.8 - ENH.10 - END.2-2 - END.2-3 - ENP.2-2 - ENP.2-3 - ENP.2-4 - ENX.2-20 - ENX.2-25 - ENX.2-30 - ENX.2-40 - ENX.2-45 - ENX.2-55.
 - Heat-formed tray PL380.

Model	H [mm]	L [mm]	ΔΔ [kg]
MOD.NS260	40	418	1.3



Set of 21 impact screwdrivers

- 1/2" drive = 12.7 mm.
- Torque: 400 N.m.
- Including:
 - END no. 2 - 3 - 4: Pozidriv® bits.
 - ENP no. 2 - 3 - 4: Phillips® bits.
 - ENS no. 8 - 10 - 12 - 14 mm: Slotted head screw bits.
 - ENH no. 5 - 6 - 8 - 10 mm: Hex bits.
 - ENX no. 20 - 30 - 40 - 45 - 50: Torx® impact bits.
 - NS.236A: Bit holder impact socket.
 - NS.260A: Impact screwdriver socket.
 - Plastic case BP.115.
 - Heat-formed tray PL50A.

Model	ΔΔ [kg]
NS.265M	1.92



FLUO

RFid