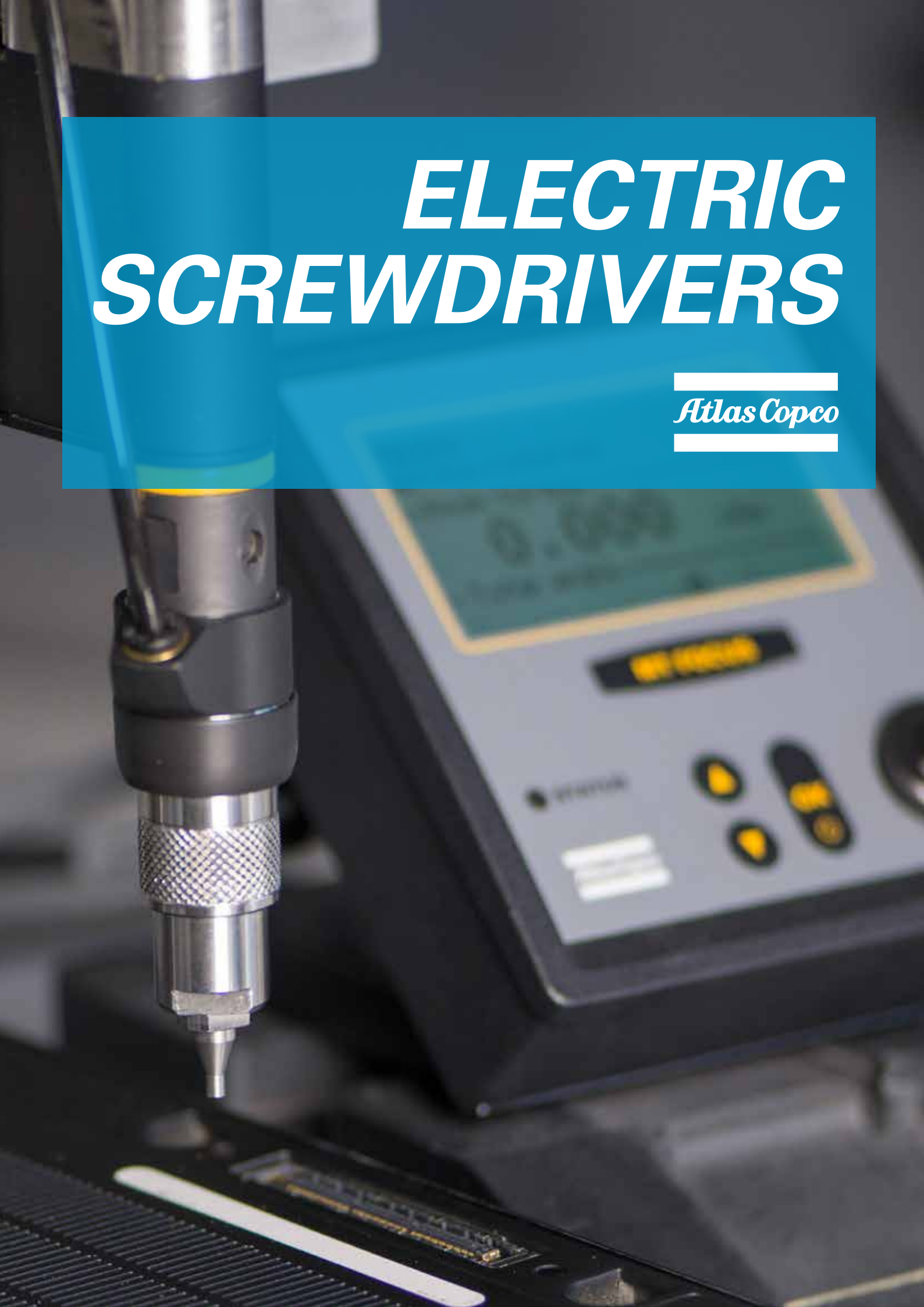


ELECTRIC SCREWDRIVERS

Atlas Copco



Introduction – Electric Screwdrivers

If you're looking for quality, you've found it

Atlas Copco supplies a complete range of advanced electric screwdrivers to match your needs. If it's cutting-edge ergonomics you want, true reliability, or long-life, low maintenance motors, we have them. Models range from EBL and MicroTorque low-torque tools up to Tensor tools with torques of up to 20 Nm. They all have one thing in common – quality.

EBL SCREWDRIVERS

EBL screwdrivers are the best in class clutch electric screwdriver for low torque applications, its brushless motor combined with the high accuracy, delivers the best tightening solution for any assembly process.

MICROTORQUE

Microtorque screwdriver range is the most advanced and intelligent tightening solution for any low torque application. Extremely ergonomic, very compact and full of functionalities it is the right tool to boost productivity and quality, resulting in high efficiency and cost reduction.

TENSOR SR TOOLS

ESD certified, Tensor SR angle tools are fast, compact and easy to operate. They feature an easy-to-configure function button and front LED's for clear operator feedback.

With a push-to-start mechanism and an integrated front guide light, STR straight tools are suitable for both hand-held and fixtured applications

TENSOR DL

Optimized for small screw assembly, Tensor DL non-transducerized screwdrivers are available in straight, right angle and pistol grip versions. There are also Tensor DL straight screwdrivers for fixtured applications. All models have good ergonomic designs and brushless motors offering low maintenance costs.

TENSOR SL

Tensor SL transducerized screwdrivers are available in straight, right angle and pistol grip versions, with a straight model for fixtured applications that is very light and compact. All the tools offer high power-to-weight ratios, good ergonomic designs and clear operator feedback via LED's lights and buzzers (depending on the model).

TENSOR ES

Tensor ES transducerized screwdrivers for quality critical applications are available in straight and right angle versions. All models have a sealed design for robustness and offer high productivity with improved ergonomics.



ESD CERTIFIED SCREWDRIVERS

Atlas Copco offers ESD certified tools in the standard range of screwdriver models most frequently used in the electronics industries. ESD certification means a guarantee against damage of electronic components by an uncontrolled electrostatic discharge (ESD) from the tools.

Conformity to the requirements of IEC 61340-5-1 standard proposal is approved by SP, the Swedish National Testing and Research Institute. In practice it certifies that at no point will the material of the equipment hold an electrostatic potential above 100 V for more than 2 seconds.



Brushless clutch type

EBL

DESIGNED FOR LOW-TORQUE ASSEMBLY OPERATIONS

Featuring superior ergonomics and the latest technology, Atlas Copco's EBL screwdriver is setting new standards for electric low-torque screwdrivers.

- Brushless motor provides long working life, extended service intervals and low maintenance requirements.
- Good ergonomics mean maximum operator comfort: comfortable grip, low tool weight and lower noise level due to the brushless motor.
- Reporting tool models have a batch count feature that ensures that all screws have been tightened.
- Soft-stop feature on certain models prevents damage to sensitive electronics and plastic assembly components.



Model	Screw capacity	Torque range soft joint		Free speed r/min	Weight		Length mm	Bit drive	Ordering No.
		Nm	in lb		kg	lb			
Standard models									
EBL03	M1-2	0.05-0.3	0.4-2.7	870	0.3	0.7	185	Wing type 4 mm	8431 0170 02
EBL03-Q	M1-2	0.05-0.3	0.4-2.7	870	0.3	0.7	185	1/4" Hex	8431 0170 04
EBL12	M2-3	0.2-1.2	1.8-10.6	910	0.5	1.1	215	1/4" Hex	8431 0170 11
EBL12-1500	M2-3	0.2-1.2	1.8-10.6	1500	0.5	1.1	215	1/4" Hex	8431 0170 41
EBL20	M2-3	0.5-2.0	4.5-18	750	0.5	1.1	215	1/4" Hex	8431 0170 16
EBL21-1500	M2-3	0.5-2.1	4.5-19	1500	0.8	1.8	235	1/4" Hex	8431 0170 43
EBL25	M2.5-4	1.0-2.5	8.8-22.1	930	0.8	1.8	235	1/4" Hex	8431 0170 23
EBL25-1500 ^a	M2.5-4	1.0-2.5	8.8-22.1	1500	0.8	1.8	235	1/4" Hex	8431 0170 25
EBL35	M2.5-4	1.0-3.5	8.8-31	700	0.8	1.8	235	1/4" Hex	8431 0170 33
EBL45 ^c	M2.5-5	1.0-4.5	8.8-40	700	0.8	1.8	235	1/4" Hex	8431 0170 40
EBL55 ^c	M2.5-5	1.0-5.5	8.8-48	600	0.8	1.8	235	1/4" Hex	8431 0170 44
Soft-stop models									
EBL03-SS	M1-2	0.05-0.3	0.4-2.7	870	0.3	0.7	185	Wing type 4 mm	8431 0170 07
EBL12-SS	M2-3	0.2-1.2	1.8-10.6	910	0.5	1.1	215	1/4" Hex	8431 0170 15
EBL20-SS	M2-3	0.5-2.0	4.5-18	750	0.5	1.1	215	1/4" Hex	8431 0170 20
EBL25-SS	M2.5-4	1.0-2.5	8.8-22.1	930	0.8	1.8	235	1/4" Hex	8431 0170 28
EBL35-SS	M2.5-4	1.0-3.5	8.8-31	700	0.8	1.8	235	1/4" Hex	8431 0170 38
Reporting models									
EBL03-RE	M1-2	0.05-0.3	0.4-2.7	870	0.3	0.7	185	Wing type 4 mm	8431 0170 55
EBL03-Q-RE	M1-2	0.05-0.3	0.4-2.7	870	0.3	0.7	185	1/4" Hex	8431 0170 06
EBL12-RE	M2-3	0.2-1.2	1.8-10.6	910	0.5	1.1	215	1/4" Hex	8431 0170 13
EBL12-1500-RE	M2-3	0.2-1.2	1.8-10.6	1500	0.5	1.1	215	1/4" Hex	8431 0170 18
EBL20-RE	M2-3	0.5-2.0	4.5-18	750	0.5	1.1	215	1/4" Hex	8431 0170 19
EBL21-1500-RE	M2-3	0.5-2.1	4.5-19	1500	0.8	1.8	235	1/4" Hex	8431 0170 47
EBL25-RE	M2.5-4	1.0-2.5	8.8-22.1	930	0.8	1.8	235	1/4" Hex	8431 0170 26
EBL25-1500-RE ^b	M2.5-4	1.0-2.5	8.8-22.1	1500	0.8	1.8	235	1/4" Hex	8431 0170 22
EBL35-RE	M2.5-4	1.0-3.5	8.8-31	700	0.8	1.8	235	1/4" Hex	8431 0170 36
EBL45-RE ^d	M2.5-5	1.0-4.5	8.8-40	700	0.8	1.8	235	1/4" Hex	8431 0170 42
EBL55-RE ^d	M2.5-5	1.0-5.5	8.8-48	600	0.8	1.8	235	1/4" Hex	8431 0170 45
Soft-stop Reporting models									
EBL03-SS-RE	M1-2	0.05-0.3	0.4-2.7	870	0.3	0.7	185	Wing type 4 mm	8431 0170 08
EBL12-SS-RE	M2-3	0.2-1.2	1.8-10.6	910	0.5	1.1	215	1/4" Hex	8431 0170 17
EBL20-SS-RE	M2-3	0.5-2.0	4.5-18	750	0.5	1.1	215	1/4" Hex	8431 0170 21
EBL25-SS-RE	M2.5-4	1.0-2.5	8.8-22.1	930	0.8	1.8	235	1/4" Hex	8431 0170 29
EBL35-SS-RE	M2.5-4	1.0-3.5	8.8-31	700	0.8	1.8	235	1/4" Hex	8431 0170 39

^a EBL 25-1500 to be used with EBL Drive Plus.

^b EBL 25-1500-RE to be used with EBL Drive Plus and EBL RE Module.

^c EBL 45, 55 to be used with EBL Drive Plus.

NOTE: Max torque reduced to 80% when run on slow speed and soft joints.

^d EBL 45-RE and EBL 55-RE to be used with EBL Drive Plus and EBL RE module.

NOTE: Max torque reduced to 80% when run on slow speed and soft joints.

All tools models, drives and cables are ESD and UL certified.

Tool box include cable for drive connection (standard models with 5 pins cable and reporting models with 6 pins cable)

All the models are push-to-start or lever start configurable.

Optional Accessories

DRIVES

Model		Ordering No.
EBL Drive	For standard models and soft-stop models	8431 0170 70
EBL RE-Drive	For reporting models and soft-stop + reporting models	8431 0170 75
EBL Drive Plus	For all standard models and soft-stop models	8431 0170 85
EBL Drive Plus is required for EBL25-1500, EBL25-1500-RE, EBL45, EBL45-RE, EBL55 and EBL55-RE		



EBL Drive

EBL REPORTING MODULE

Model	Ordering No.
EBL RE module	8431 0170 76
RE module to be connected between EBL Drive or EBL Drive Plus and RE tool.	



EBL RE-Drive

VACUUM PICK-UP ACCESSORIES

Accessories (not ESD approved)	Ordering No.
Vacuum pump – 220V	4220 0062 00
Vacuum pump – 115V	4220 0062 05
Nozzle blank Ø 8 mm for EBL 03	4220 0067 03
Nozzle blank Ø 8 mm for EBL 12, 20, 21, 25, 35	4220 0070 03
Nozzle blank Ø 14 mm for EBL 12, 20, 21, 25, 35	4220 0072 03
Vacuum pick-up adapter for EBL 03	4220 0080 30
Vacuum pick-up adapter for EBL 12, 20	4220 0080 31
Vacuum pick-up adapter for EBL 21, 25, 35	4220 0080 33



EBL Drive Plus

CABLES

Model	Ordering No.
Cable (not ESD approved)	
Spiral cable, 1.3 m (5 pin)	4220 0347 00
Spiral cable, 1.3 m (6 pin)	4220 0349 00
Heavy duty, cable 2.0 m (5 pin)	4216 0132 00
Heavy duty, cable 2.0 m (6 pin)	4216 0133 00
Cable (ESD approved)	
Extension cable ^b 3.0 m (5 pin)	4220 0138 01
Extension cable ^b 3.0 m (6 pin)	4216 0115 00

^b Maximum total length 8 m.



EBL RE module

SCREW DISPENSER

Model	Ordering No.
SDS Screw dispenser	8432 0830 00



Pistol grip

PISTOL GRIP

Model	Ordering No.
EBL 12, 20	4220 0051 04
EBL 21, 25, 35, 45, 55 (ESD approved)	4220 0051 05



Vacuum pick-up system

ANGLE HEAD

Model	Ordering No.
Angle head	
Front part square drive 1/4" (06)	4210 4033 90
Hex bit drive 1/4" (42)	4210 4033 81
Hex quick change 1/4" (Q)	4210 4033 82
Adapter	
Adapter EBL 12, 20	4210 4609 85
Adapter EBL 21/25/35/45/55	4210 4609 81

Both angle head and adapter needs to be ordered for mounting on EBL.



Angle head, EBL



Screw dispenser

MT G4 screwdriver system

MicroTorque

MicroTorque fixtured screwdriver systems are designed to perform consistently and precisely, time after time.

- High accuracy current controlled tools.
- Complete system, one single ordering number that includes screwdriver, controller, tool cable, PSU and ToolsTalk MT.
- Torque and angle control and monitoring.
- 64 P-sets
- Multiple steps tightening.
- Advanced programing via PC software, ToolsTalk MT.
- Different indication lights for operator feedback.
- Multiple I/Os for integration with assembly line, automation stations or error proofing accessories.



ETD M 08/20/27 ABL V2



ETD M 50/80 ABL V2



ETD M 120/200/250 ABL V2



ETF M 05 400A



ETF M 50/80/100/200 400A

Model	Torque range		Speed ^a r/min	Length mm	Overall width mm	Weight		Bit drive	Ordering No.
	cNm	in lb				kg	lb		
Fixtured transducerized systems									
ETF MT 5	0.5-5	0.04-0.4	1300	183	20	0.4	0.9	HM 4 mm	8432 0800 10
ETF MT 10	1-10	0.09-0.9	900	183	20	0.4	0.9	HM 4 mm	8432 0800 11
ETF MT 20	2-20	0.18-1.8	900	183	20	0.4	0.9	HM 4 mm	8432 0800 12
ETF MT 50	5-50	0.44-4.4	1300	269	30	1.1	2.42	HM 4 mm	8432 0800 13
ETF MT 80	8-80	0.71-7.1	1300	269	30	1.2	2.65	HM 4 mm	8432 0800 14
ETF MT 100	10-100	0.88-8.8	1300	272	30	1.2	2.65	1/4" HEX	8432 0800 15
ETF MT 100 HM4	10-100	0.88-8.8	1300	269	30	1.2	2.65	HM 4 mm	8432 0800 21
ETF MT 200	20-200	1.77-17.7	800	272	30	1.2	2.65	1/4" HEX	8432 0800 16
ETF MT 500	50-500	4.42-442	500	258	40	1.8	4.05	1/4" HEX	8432 0800 17
Fixtured current controlled systems									
ETF M 05	1.5-5	0.13-0.4	1300	183	20	0.4	0.9	HM 4 mm	8432 0810 15
ETF M 10	3-10	0.27-0.9	900	183	20	0.4	0.9	HM 4 mm	8432 0810 16
ETF M 20	5-20	0.44-1.8	900	183	20	0.4	0.9	HM 4 mm	8432 0810 17
ETF M 50	15-50	1.33-4.4	1300	269	30	1.1	2.42	HM 4 mm	8432 0810 18
ETF M 80	20-80	1.77-7.1	1300	269	30	1.2	2.64	HM 4 mm	8432 0810 19
ETF M 100	25-100	2.21-8.8	900	272	30	1.2	2.64	1/4" HEX	8432 0810 20
ETF M 200	50-200	4.42-17.7	650	272	30	1.2	2.64	1/4" HEX	8432 0810 21
ETF M 400	150-400	13.27-35.4	320	258	40	1.8	3.96	1/4" HEX	8432 0810 22
Hand-held current controlled systems, without push-to-start									
ETD M 20 ABL V2 G4	5-20	0.44-1.77	900	185	27	0.30	0.66	HM 4 mm	8432 0815 04
ETD M 27 ABL V2 G4	7.5-27	0.66-2.4	900	185	27	0.30	0.66	HM 4 mm	8432 0815 06
Hand-held current controlled systems, push-start configurable									
ETD M 50 ABL V2 G4	15-50	1.33-4.4	1300	238	36	0.56	1.37	HM 4 mm	8432 0815 09
ETD M 80 ABL V2 G4	20-80	1.77-7.1	1300	238	36	0.56	1.37	HM 4 mm	8432 0815 13
ETD M 120 ABL V2 G4	30-120	2.7-10.6	900	240	43	0.65	1.43	1/4" HEX	8432 0815 14
ETD M 200 ABL V2 G4	50-200	4.42-17.7	700	240	43	0.65	1.43	1/4" HEX	8432 0815 15
ETD M 250 ABL V2 G4	75-250	6.64-22.13	700	240	43	0.65	1.43	1/4" HEX	8432 0815 16

MTF400 screwdriver system

MicroTorque

MicroTorque fixtured screwdriver system are designed to perform consistently and precisely, time after time.

- Complete system, one single ordering number that includes screwdriver, controller, Tool Cable, PSU and ToolsTalk MT.
- High accuracy current controlled tools.
- Torque and angle control and monitoring.
- 20 P-sets
- Multiple steps tightening
- Simple programing directly at the controller.
- Advanced programing via PC software, ToolsTalk MT.
- Batch count.
- Different display lights for operator feedback.
- Multiple I/Os for integration with assembly line, automation stations or error proofing accessories.

MTF 400A



ETF M 05 400A



ETF M 50/80/100/200 400A

Model	Torque range		Speed r/min	Length mm	Overall width mm	Weight		Bit drive	Ordering No.
	cNm	in lb				kg	lb		
Fixtured current controlled, complete system									
ETF M 50 400A	15-50	1.33-4.4	850	269	30	1.1	2.42	HM 4 mm	8432 0818 18
ETF M 80 400A	20-80	1.77-7.1	850	269	30	1.2	2.64	HM 4 mm	8432 0818 19
ETF M 200 400A	50-200	4.42-17.7	600	272	30	1.2	2.64	1/4" HEX	8432 0818 21

NOTE. Ordering number for complete system. (Screwdriver, MTF 400 controller, tool cable and PSU).

Handheld screwdrivers V2

MicroTorque

MicroTorque handheld screwdrivers are designed to perform consistently and precisely, time after time.

- High accuracy current controlled tools.
- Torque and angle control and monitoring.
- Advanced seating control tightening strategy that eliminates floating screws.
- Ergonomic metallic handle.
- V2 Tools are not paired with the controller and are ordered separately.



ETD M 08/20/27 ABL V2



ETD M 120/200/250 ABL V2



ETD M 50/80 ABL V2

Model	Torque range		Speed r/min	Length mm	Overall width mm	Weight		Bit drive	Ordering No.
	cNm	in lb				kg	lb		
Hand-held current controlled, without push-to-start									
ETD M 08 ABL V2	2-8	0.18-0.7	1350	185	29	0.30	0.66	HM 4 mm	8432 0815 18
ETD M 20 ABL V2	5-20	0.44-1.77	900	185	29	0.30	0.66	HM 4 mm	8432 0815 21
ETD M 27 ABL V2	7.5-27	0.66-2.4	900	185	29	0.30	0.66	HM 4 mm	8432 0815 27
Hand-held current controlled, push-start configurable									
ETD M 50 ABL V2	15-50	1.33-4.4	1000	238	36	0.61	1.37	HM 4 mm	8432 0815 50
ETD M 80 ABL V2	20-80	1.77-7.1	1100	238	36	0.61	1.37	HM 4 mm	8432 0815 80
ETD M 120 ABL V2	30-120	2.7-10.6	900	240	43	0.65	1.43	1/4" Hex	8432 0815 82
ETD M 200 ABL V2	50-200	4.42-17.7	700	240	43	0.65	1.43	1/4" Hex	8432 0815 84
ETD M 250 ABL V2	75-250	6.64-22.13	700	240	43	0.65	1.43	1/4" Hex	8432 0815 86

NOTE. Ordering number for screwdriver only. Tool cable, controller and PSU need to be ordered separately.

Fixtured screwdrivers V2

MicroTorque

MicroTorque fixtured screwdrivers are designed to perform consistently and precisely, time after time.

- High accuracy current controlled tools.
- Torque and angle control and monitoring.
- Advanced seating control tightening strategy that eliminates floating screws.
- Very compact design.
- V2 Tools are not paired with the controller and are ordered separately.



ETF S

Model	Torque range		Speed r/min	Length mm	Overall width mm	Weight		Bit drive	Ordering No.
	cNm	in lb				kg	lb		
Fixtured current controlled									
ETF S 08 V2	2-8	0.18-0.70	1500	125	65	0.3	0.68	HM 4 mm	8432 0832 84
ETF S 25 V2	5.5-25	0.49-2.2	1000	125	65	0.3	0.68	HM 4 mm	8432 0832 85

NOTE. Ordering number for screwdriver only. Tool cable, controller and PSU need to be ordered separately.

MT Focus 400 controller

MicroTorque

MT Focus 400 is an extremely compact and advanced controller designed to attend the most demanding assembly processes.

- 20 P-sets
- Multiple steps tightening
- Simple programing directly at the controller.
- Advanced programing via PC software, ToolsTalk MT.
- Batch count.
- Different display lights for operator feedback.
- Multiple I/Os for integration with assembly line, automation stations or error proofing accessories.
- ToolsTalk MT included, with Graph Analysis and Net functionality for detailed information.



MTF 400A

Model	Ordering No.
MTF 400A	8432 0850 00

NOTE: To be ordered together with V2 tools.

Accessories

MicroTorque

TOOL CABLES FOR ETF S V2 AND ETD M ABL V2

Model	Ordering No.
Cable 2 m	8432 0835 02
Cable 3.5 m	8432 0835 03



Tool cable

POWER SUPPLY UNIT, PSU

Model	Battery / Power	Ordering No.
ETF S08 V2 and ETD M08/20/27 ABL V2	24V / 72W	8432 0840 00
ETF S25 V2	36V / 72W	8432 0840 01
ETD M50/80/100/120/200/250 ABL V2	36V / 180W	8432 0840 02



Power supply unit

Optional Accessories

CONTROLLER ACCESSORIES FOR MT G4

Model	Ordering No.
Combi (Remote control + program selector)	8432 0830 88
Remote control	8432 0830 08
Digital program selector	8432 0830 34
Controller table fixture	8432 0830 84
Controller wall fixture	8432 0830 32
Y cable for I/O connector ^a	8432 0831 99
Desktop socket (with screwdriver presence sensor)	8432 0831 89
MT TN adapter ToolsNet 4000 ^b (15 pin/26 pin d-sub)	8432 0832 98

^a Y cable suitable when two I/O accessories are required.

^b Including adapter cables.



Digital program selector



Remote control



Desktop socket



MT G4 table fixture

CONTROLLER ACCESSORIES FOR MTF 400

Model	Ordering No.
Digital program selector	8432 0830 65
Controller wall fixture	8432 0833 83
MT TN adapter ToolsNet 4000 ^c	8432 0832 98

^c Including adapter cables.



MT G4 wall fixture

STACKLIGHTS

Model	Ordering No.
Table stand ^d	8432 0830 97
Wall mount ^d	8432 0830 99

^d Adapter included, suitable for MT G4 and MTF400 controllers.



Stacklight wall mount



Stacklight table stand

TOOL CABLE

Model	Length	Ordering No.
ETD M ABL, ETF S	2 m	8432 0835 02
ETD M ABL, ETF S	3.5 m	8432 0835 03
ETF M, MT	2 m	8432 0830 36
ETF M, MT	3.5 m	8432 0831 01
ETF M, MT 90 deg angle cable	2 m	8432 0831 15



Tool cable



Tool cable, 90 deg

CABLE ACCESSORIES

Model	Ordering No.
Cable, RS232	8432 0830 38
Cable, USB	8432 0830 39
Transducer cable	8432 0830 35
Cable bracket	8432 0830 91

Optional Accessories

VACUUM ADAPTER

Model	Nozzle Ø mm	Tool Bit Drive	Tool model	Ordering No.
QC Vacum Adapter Small	8	HM4	ETD M, ETF S, ETF M, ETF MT and QMC	8432 0770 58
QC Vacum Adapter Large	12	1/4" HEX	ETD M and QMC	8432 0770 57
QC Vacum Adapter Large	12	1/4" HEX	ETF M100, ETF MT100, ETF M200 and ETFMT200	8432 0770 59



Vacuum adapter

VACUUM NOZZLES

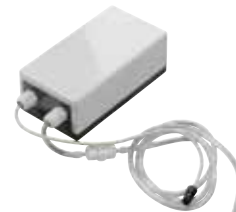
Model	Nozzle Ø mm	Tool Bit Drive	Ordering No.
Plastic Nozzle	8	HM4	4216 1190 16
Metallic Nozzle	8	HM4	4216 1190 17
Plastic Nozzle	12	1/4" HEX	4216 1190 20
Metallic Nozzle	12	1/4" HEX	4216 1190 21



Vacuum nozzles

VACUUM PUMP

Model	Ordering No.
Vacuum pump, VPX 6	8432 0830 06



VPX 6 vacuum pump

SCREW DISPENSER

Model	Screw size	Ordering No.
Screw dispenser for magnetized bit		
SDS screw dispenser	M1.0 - 5.0	8432 0830 00
Screw dispenser for vacuum pick up		
SDS SR 10	M1.0	8432 0870 30
SDS SR 12	M1.2	8432 0870 32
SDS SR 14	M1.4	8432 0870 34
SDS SR 17	M1.7	8432 0870 31
SDS SR 20	M2.0	8432 0870 33
SDS SR 23	M2.3	8432 0870 35
SDS SR 26	M2.6	8432 0870 36
SDS SR 30	M3.0	8432 0870 37



Screw dispenser for magnetic bit



Screw dispenser for vacuum pick up

TENSOR ES

- Torque transducer with an accuracy of $\pm 7.5\%$ over six sigma.
- Robust, sealed design with one single extruded aluminum body protecting internal components from dust and oil.
- New durable motor with higher speeds.
- Engineered in modules with component commonality.
- Clear LEDs visible through 360°.
- Hot swap.



Model	Square drive in	Torque range		Speed r/min	Weight		Length mm	CS distance mm	Spline/ Mounting	Ordering No.
		Nm	ft lb		kg	lb				
Angle models										
ETV ES21-04-06	1/4	1.6-4.5	1.2-3.3	1909	0.85	1.9	284	9.5	—	8436 0120 04
ETV ES21-07-06	1/4	2.8-7	2.1-5.2	1147	0.85	1.9	284	9.5	—	8436 0120 07
ETV ES21-12-06	1/4	4.8-12	3.5-8.9	718	0.95	2.1	304	11	—	8436 0120 12
ETV ES21-20-10	3/8	8-20	5.9-14.8	430	1.05	2.3	303	14	—	8436 0120 20
ETV ES61-25-10	3/8	10-25	7.4-18.4	1378	1.8	4.0	419	14	—	8436 0160 25
ETV ES61-30-10	3/8	12-30	8.9-22.1	1160	1.8	4.0	421	15.5	—	8436 0160 30
ETV ES61-40-10	3/8	16-40	11.8-29.5	1153	1.9	4.2	441	18	—	8436 0160 40
ETV ES61-50-10	3/8	20-50	14.8-36.9	692	1.9	4.2	441	18	—	8436 0160 50
ETV ES61-70-13	1/2	28-70	20.7-51.6	439	3.1	6.8	499	20	—	8436 0160 70
ETV ES61-100-13	1/2	40-100	29.5-73.8	370	3.15	6.9	505	22.5	—	8436 0160 10
ETV ES61-150-13	1/2	60-150	44.3-110.6	296	3.2	7.1	541	26	—	8436 0160 15
ETV ES61-180-13	1/2	72-180	53-133	232	3.2	7.1	541	26	—	8436 0160 18
ETV ES61-200-20	3/4	80-200	59-147.5	203	3.4	7.5	543	27	—	8436 0160 20
Angle, quick chuck										
ETV ES21-12-I06-QC	—	4.8-12	3.5-8.9	718	0.95	2.1	304	11	—	8436 0121 12
Angle, ball retainer										
ETV ES61-70-B13	1/2	28-70	20.7-51.6	439	3.1	6.8	499	20	—	8436 0165 70
ETV ES61-100-B13	1/2	40-100	29.5-73.8	370	3.15	6.9	505	22.5	—	8436 0165 10
Straight models										
ETD ES21-02-I06-PS	—	0.8-2	0.6-1.5	4471	0.75	1.7	267	19.5	—	8436 0220 02
ETD ES21-04-I06-PS	—	1.6-4	1.2-3	1909	0.8	1.8	267	19.5	—	8436 0220 04
ETD ES21-07-I06-PS	—	2.8-7	2.1-5.2	1147	0.8	1.8	267	19.5	—	8436 0220 07
ETD ES21-12-I06-PS	—	4.8-12	3.5-8.9	745	0.8	1.8	267	19.5	—	8436 0220 12
ETD ES61-18-10	3/8	7.2-18	5.3-13.3	2129	1.7	3.75	418	23	-/1	8436 0265 18
ETD ES61-18-10-T25	3/8	7.2-18	5.3-13.3	2129	1.85	4.1	456	23	2/2	8436 0260 18
ETD ES61-25-10	3/8	10-25	7.4-18.4	1793	1.7	3.8	418	23	-/1	8436 0265 25
ETD ES61-25-10-T25	3/8	10-25	7.4-18.4	1793	1.85	4.1	456	23	2/2	8436 0260 25
ETD ES61-30-10	3/8	12-30	8.9-22.1	1077	1.7	3.8	418	23	-/1	8436 0265 30
ETD ES61-30-10-T25	3/8	12-30	8.9-22.1	1077	1.85	4.1	456	23	2/2	8436 0260 30
ETD ES61-50-13	1/2	20-50	14.8-36.9	679	2.95	6.5	493	29	2/2	8436 0265 50
ETD ES61-50-13-T25	1/2	20-50	14.8-36.9	679	3.05	6.7	521	29	3/5	8436 0260 50
ETD ES61-70-13	1/2	28-70	20.7-51.6	608	2.95	6.5	493	29	2/2	8436 0265 70
ETD ES61-70-13-T25	1/2	28-70	20.7-51.6	608	3.1	6.8	521	29	3/5	8436 0260 70
ETD ES61-90-13	1/2	36-90	26.6-66.4	467	2.95	6.5	493	29	2/2	8436 0265 90
ETD ES61-90-13-T25	1/2	36-90	26.6-66.4	467	3.1	6.8	521	29	3/5	8436 0260 90
ETD ES61-120-13	1/2	48-120	35.4-88.5	365	2.95	6.5	493	29	2/2	8436 0265 12
ETD ES61-120-13-T25	1/2	48-120	35.4-88.5	365	3.1	6.8	521	29	3/5	8436 0260 12
Fixtured models										
ETF ES21-04-I06-T25	—	1.6-4	1.2-3	1909	0.96	2.1	338	22.5	— ^a	8436 0224 04
ETF ES21-07-I06-T25	—	2.8-7	2.1-5.2	1147	0.96	2.1	338	22.5	— ^a	8436 0224 07
ETF ES21-12-I06-T25	—	4.8-12	3.5-8.9	745	0.96	2.1	338	22.5	— ^a	8436 0224 12
Pistol grip models										
ETP ES21-02-I06-PS	—	0.8-2	0.6-1.5	4471	0.85	1.87	225	19.5	—	8436 0320 02
ETP ES21-04-I06-PS	—	1.6-4	1.2-3	1909	0.85	1.87	225	19.5	—	8436 0320 04
ETP ES21-07-I06-PS	—	2.8-7	2.1-5.2	1147	0.85	1.87	225	19.5	—	8436 0320 07
ETP ES21-12-I06-PS	—	4.8-12	3.5-8.9	745	0.85	1.87	225	19.5	—	8436 0320 12

^a Mounting bracket fixed.

Tensor DL

Tensor DL non-transducerized screwdrivers exist in two different tool configurations:

ETP – Pistol grip handle screwdriver with configurable function button. Available as lever and push to start.

ETF – Straight screwdrivers for fixtured applications. Configurable lever or remote start.

- The DL screwdriver range has been optimized for small screw assembly.
- Torque range up to 10 Nm.
- All tools have ESD certification.
- Ergonomic design promotes operator safety.
- Brushless motor gives long service intervals and low maintenance costs.
- Signal lights ensure detection of incorrectly tightened fasteners.



ETF DL



ETP DL

Model	Torque range		Speed r/min	Weight		Length mm	CS distance mm	Ordering No.
	Nm	in lb		kg	lb			
Pistol grip, lever start								
ETP DL21-04-I06	1-4	8.8-35.4	1600	0.6	1.3	235	20	8433 4024 19
ETP DL21-07-I06	2.2-7.5	19.5-66	970	0.6	1.3	235	20	8433 4027 26
ETP DL21-10-I06	3-10	26.6-88.5	720	0.6	1.3	235	20	8433 4029 13
Pistol grip, push-to-start and front lights								
ETP DL21-01-I06-PS-H	0.3-1.2	2.6-10	2200	0.6	1.3	243	20	8433 4020 77
ETP DL21-04-I06-PS-H	1-4	8.8-35.4	1600	0.6	1.3	243	20	8433 4024 66
ETP DL21-07-I06-PS-H	2.2-7.5	19.5-66	970	0.6	1.3	243	20	8433 4027 53
ETP DL21-10-I06-PS-H	3-10	26.6-88.5	720	0.6	1.3	243	20	8433 4029 28
Fixtured tools, lever start or remote start								
ETF DL21-01-I06-T25	0.3-1.2	2.6-10	2200	0.7	1.5	328	18 / 19.5	8433 4040 04
ETF DL21-04-I06-T25	1-4	8.8-35.4	1600	0.7	1.5	328	18 / 19.5	8433 4042 13
ETF DL21-07-I06-T25	2.2-7.5	19.5-66	970	0.7	1.5	328	18 / 19.5	8433 4043 22
ETF DL21-10-I06-T25	3-10	26.6-88.5	720	0.7	1.5	328	18 / 19.5	8433 4044 11

ETD SL

- ETD SL is a very compact screwdriver with excellent power to weight ratio.
- Torque range from 0.3 to 10 Nm.
- Push-to-start function and front lights.
- Small center-to-side distance.
- Ergonomic design.
- Buzzer and additional blue LED for better operator support.



ETD SL



ETP SL



ETV SL



ETF SL

ETV SL

- ETV SL is the most compact transducerised angle screwdriver in the Tensor range.
- Torque range from 0.8 to 20 Nm.
- High durability with spiral angle gears.
- Ergonomic design.
- Buzzer and additional blue LED for better operator support.

ETP SL

- ETP SL is our first push-to-start pistol tool.
- Torque range from 0.3 to 10 Nm.
- Ergonomic, balanced pistol tool.
- Front lights for dark applications.
- Blue light and buzzer.

ETF SL

- ETF SL is the smallest and lightest fixed tool.
- Torque range from 0.3 to 10 Nm.
- Stroke with 25 mm suspension.
- Small center-to-side distance.

Model	Torque range		Speed r/min	Weight		Length mm	CS distance ^a mm	Stroke mm	Ordering No.
	Nm	in lb		kg	lb				
Straight tools, push-to-start and front lights									
ETD SL21-01-I06-PS	0.3-1.2	2.7-10	2950	0.7	1.6	246	18/19.5	—	8433 2102 92
ETD SL21-04-I06-PS	0.8-4	7-35	1600	0.7	1.6	246	18/19.5	—	8433 2104 91
ETD SL21-07-I06-PS	1.5-7.5	13-66	970	0.7	1.6	246	18/19.5	—	8433 2107 69
ETD SL21-10-I06-PS	2.0-10	18-89	720	0.7	1.6	246	18/19.5	—	8433 2108 25
Right angle tools, lever start									
ETV SL21-04-I06	0.8-4	7-35	1600	0.75	1.7	279	9	—	8433 2004 47
ETV SL21-04-I06-QC	0.8-4	8-35	1600	0.75	1.7	279	9	—	8433 2004 73
ETV SL21-04-06	0.8-4	9-35	1600	0.75	1.7	279	9	—	8433 2004 91
ETV SL21-07-I06	1.5-7.5	13-66	970	0.75	1.7	279	9	—	8433 2007 66
ETV SL21-07-I06-QC	1.5-7.5	14-66	970	0.75	1.7	279	9	—	8433 2007 79
ETV SL21-07-06	1.5-7.5	15-66	970	0.75	1.7	279	9	—	8433 2007 94
ETV SL21-12-I06	2.5-12	22-106	610	0.8	1.8	282	11	—	8433 2008 34
ETV SL21-12-I06-QC	2.5-12	23-106	610	0.8	1.8	282	11	—	8433 2008 61
ETV SL21-12-06	2.5-12	24-106	610	0.8	1.8	282	11	—	8433 2008 77
ETV SL21-20-10	4-20	36-180	465	0.95	2.1	285	14	—	8433 2009 55
ETV SL21-20-B10	4-20	36-180	465	0.95	2.1	285	14	—	8433 2009 60
Pistol grip, push-to-start									
ETP SL21-01-I06-PS	0.3-1.2	2.7-10	3000	0.85	1.9	246	20.5	—	8433 2201 16
ETP SL21-04-PS	0.8-4	7-35	1600	0.85	1.9	246	20.5	—	8433 2204 66
ETP SL21-07-PS	1.5-7.5	13-66	970	0.85	1.9	246	20.5	—	8433 2207 53
ETP SL21-10-PS	2-10	18-89	720	0.85	1.9	246	20.5	—	8433 2208 28
Fixtured tools, lever start or remote start									
ETF SL21-01-I06-T25	0.3-1.2	2.7-10	3000	0.95	2.1	322	18	25	8433 2404 13
ETF SL21-04-I06-T25	0.8-4	7-35	1600	0.95	2.1	322	18	25	8433 2404 19
ETF SL21-07-I06-T25	1.5-7.5	13-66	970	0.95	2.1	322	18	25	8433 2407 26
ETF SL21-10-I06-T25	2-10	18-89	720	0.95	2.1	322	18	25	8433 2408 13

^a For ETV, CS distance over angle head.

ETV SR

- SR Angle tools are extremely fast, compact and easy to operate.
- ESD certified.
- Easy to configure the function button.
- Front LED's gives better operator feedback.
- Torque range from 2.5 to 30 Nm.



ETV SR

ETD SR

- SR Straight tools are ideal for hand-held applications and fixture applications.
- Torque range from 1.5 to 16 Nm.
- Front light guide is integrated.
- Push-to-start mechanism.



ETD SR

Model	Torque range		Speed r/min	Weight		Length mm	CS distance mm	Spline/ Mounting	Ordering No.
	Nm	ft lb		kg	lb				
Angle models									
ETV SR21-12-10	2.5-12	1.9-8.9	1350	1.1	2.4	297	14	-	8436 4120 12
ETV SR21-25-10	5-25	3.7-18.5	1000	1.2	2.6	297	14	-	8436 4120 25
ETV SR21-30-10	6-30	4.4-22.1	663	1.2	2.6	299	15.5	-	8436 4120 30
Straight models									
ETD SR21-07-I06-PS	1.5-7	1.0-5.2	2090	0.9	1.9	259	24	-	8436 4220 07
ETD SR21-16-I06-PS	3.5-16	2.6-11.8	1460	1.0	2.2	276	24	-	8436 4220 16
ETD SR21-07-I06-T25	1.5-7	1.0-5.2	2090	0.9	1.9	353	24	-	8436 4224 07
ETD SR21-16-10-T25	3.5-16	2.6-11.8	1460	1.0	2.2	353	24	-	8436 4224 17

Optional Accessories

COVERS FOR STANDARD SOCKETS

Model	Ordering No.
ETD ES61-18/ 25/ 30	4220 3251 02
ETD ES61-50	4220 3251 03
ETV ES61-30	4220 3154 04
ETV ES61-100	4220 3154 05
ETV ES61-40/50	4220 1995 05
ETV ES61-70	4220 1993 03
ETV SL21, ETV ES61-25	4220 3154 03



Cover for standard sockets

SUPPORTED EXTENSIONS (~154 MM)

Model	Ordering No.
SR21, ETV SL21	4220 3868 90



Supported extensions

SUSPENSION YOKES DL/SL/SR

Model	Type	Assembly	Ordering No.
ETD/ETV SL	Horizontal	Motor	4220 0987 81
SR21	For rear		4220 4410 80
SR21	For front		4220 4409 80

PISTOL GRIP TENSOR DL / SL

Model	Ordering No.
Tensor DL	4220 2743 90
Tensor SL	4220 3516 80

Pistol grip can be mounted on all straight DL tools.



Pistol grip
Tensor DL/SL

SUPPORT HANDLE

Model	Ordering No.
ETV/ETD ES21	4220 2725 83
ETD SR21	4220 4347 80



Support handle

LEVER

Model	Ordering No.
Lever SL	4220 2540 81
Extended lever SL	4220 2540 89
Spoon lever SR21	4220 4338 83
Short lever ETV/ETD ES21	4220 4366 86
Long lever ETV/ETD ES21	4220 4366 85



Tool holder

TOOL HOLDER DL / SL

Model	Ordering No.
ETP / ETD	4220 3584 80

Optional Accessories

CABLES TENSOR ES

Model	Ordering No.
Round cables for ES21	
2 m	4220 4204 02
3 m	4220 4204 03
5 m	4220 4204 05
7 m	4220 4204 07
10 m	4220 4204 10
15 m	4220 4204 15
Flat cables for ES61	
3 m	4220 4339 03
5 m	4220 4339 05
7 m	4220 4339 07
10 m	4220 4339 10
15 m	4220 4339 15
Extension cables for all cables	
3 m	4220 4393 03
5 m	4220 4393 05
10 m	4220 4393 10
15 m	4220 4393 15
25 m	4220 4393 25

CABLES TENSOR DL

Model	Ordering No.
Tool cable	
3 m	4220 2604 03
5 m	4220 2604 05
10 m	4220 2604 10
15 m	4220 2604 15
Heavy duty cable	
3 m	4220 3265 03
5 m	4220 3265 05
10 m	4220 3265 10
Cables with 90 degrees connector	
3 m	4220 3705 03
5 m	4220 3705 05
10 m	4220 3705 10
Spiral cable straight	
5 m	4220 3240 05
Spiral cable with 90 degrees connector	
5 m	4220 3706 05
Extension cable	
3 m	4220 2795 03
5 m	4220 2795 05
10 m	4220 2795 10



DL Cable



DL cable with 90 degrees connector



DL spiral cable

Optional Accessories

CABLES TENSOR SL

Model	Ordering No.
Tool cable	
3 m	4220 3319 03
5 m	4220 3319 05
10 m	4220 3319 10
15 m	4220 3319 15
Heavy duty cable	
3 m	4220 3378 03
5 m	4220 3378 05
10 m	4220 3378 10
15 m	4220 3378 15
Cables with 90 degrees connector	
3 m	4220 3607 03
5 m	4220 3607 05
10 m	4220 3607 10
20 m	4220 3607 20
Spiral cable straight	
5 m	4220 3746 05
Spiral cable with 90 degrees connector	
5 m	4220 3617 05
Extension cable	
3 m	4220 2795 03
5 m	4220 2795 05
10 m	4220 2795 10



SL Cable



SL Cable with 90 degrees connector



SL Spiral cable



SR Cable



SR Cable with 90 degrees connector



SR Spiral cable



SR Cable protection

CABLES TENSOR SR

Model	Ordering No.
Tool cable	
2 m	4220 2636 02
3 m	4220 2636 03
5 m	4220 2636 05
7 m	4220 2636 07
10 m	4220 2636 10
15 m	4220 2636 15
Cables with 90 degrees connector	
2 m	4220 3891 02
3 m	4220 3891 03
5 m	4220 3891 05
7 m	4220 3891 07
10 m	4220 3891 10
15 m	4220 3891 15
Extension cable	
5 m	4220 1007 05
10 m	4220 1007 10
15 m	4220 1007 15
Extension cables for fixtured applications	
5 m	4220 1563 05
10 m	4220 1563 10
15 m	4220 1563 15
Spiral cable (length/stretched length)	
3 m / 4 m	4220 2757 03
7 m / 8 m	4220 2757 07
10 m / 12 m	4220 2757 10
Cable protection	4220 2977 90