

Atlas Copco EBL Screwdriver

Setting the standard



Atlas Copco

Class leading performance

The new leader for low torque assembly operations

Cutting-edge ergonomics and the latest technology: Atlas Copco's EBL screwdriver is setting new standards for electric low torque screwdrivers. The brushless motor will still be performing long after its traditionally powered competitors have literally burnt out. The unique patented ergonomics provide unrivalled operator comfort. The combination of the two ensures increased productivity making the EBL the smart choice for demanding low torque operations.

**Brushless motor
delivering world
class durability**

**Unrivalled
ergonomic
design**

**Configurable
push or lever
start**

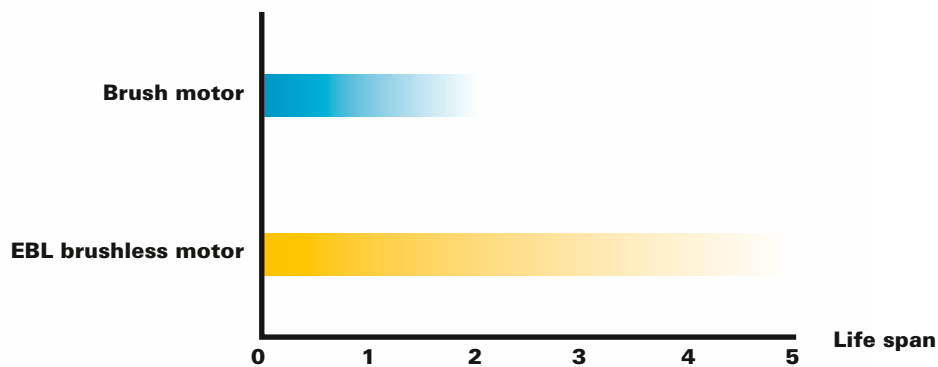
**Reporting and
batch count
capability**



nce and durability



Designed to last



Works at least twice as long as brush screwdrivers.



Superior life span, no pollution

The brushless motor provides two key benefits: longer unit life and pollution-free operation.



Be sure you've done every screw

The batch count feature makes sure that all the screws have been tightened.



Set and forget

The unique easy-adjust non-tamper torque setting allows you to set and forget precise torque levels.



Easy on electronics and plastic

The soft stop feature prevents damage to sensitive electronics and plastic assembly components.



Consistent torque values

The superior quality clutch allows the EBL to deliver accurate torque values time after time.



Quiet production

Industrial environments don't need to be noisy. Quiet operation is part of the ergonomic design.



Reduce fatigue and increase production

Operators will be pleased by the comfortable grip and the low weight of the tool. Ergonomic consideration, engineered to make a difference.



Single-handed operation

The EBL is designed to accept a suction attachment that makes loading the next screw both quick and simple.

The first choice of Management...

The features of any assembly tool only become meaningful if they translate into benefits on the production line. The EBL is designed to deliver, with each feature contributing to increased productivity, making it the low torque screwdriver of choice for Managers, Buyers and Supervisors.



"The clutch disengages accurately and with less force to the operator. The combination of push/trigger start on one tool is very useful. The improved ergonomics will help productivity."
Mr. Egon Hoch, Assembly Manager, Bizerba, Germany.

"With this tool we can work more efficiently."
Mr. Egon Hoch, Assembly Manager, Bizerba, Germany.

"Other tools often broke down, because the brush burned out. This brushless model will last much longer."
Mr. ChangWei Gan, Production Engineer, ABB China.

"I have higher productivity because this tool is easy to handle. It's much lighter and gives better operator comfort. The soft stop reduces scrap caused by stripped screws and combined with the batch count capability, the tool brings significant process improvement and quality."
Mr. Jesús Reyes, Project Engineer, Valeo, Mexico.

...and Operators

Operator comfort and productivity – the two go hand in hand.

"I immediately noticed less noise and that the unit delivered a much lower jolt in operation."
Mrs. Heiß, Assembly Operator, Bizerba, Germany.

"I can use this screwdriver for longer. It has very low noise, a comfortable handle, it's fast and delivers stable torque."
Ms. Wen, Production Operator, ABB China.



Technical data

Type	Screwdriver model	Torque		Speed (rpm)	Weight		Length mm	Bit Drive	Ordering No.	Drive to be used
		Ncm	In / lb		Kg	lb				
STANDARD	EBL03	0.05 - 0.3	0.4 - 2.7	870	0,3	0,7	185	Wing type 4mm	8431 0170 02	EBL Drive
	EBL03-Q	0.05 - 0.3	0.4 - 2.7	870	0,3	0,7	185	1/4" Hex	8431 0170 04	
	EBL12	0.2-1.2	1.8 - 10.6	910	0,5	1,1	215	1/4" Hex	8431 0170 11	
	EBL12-1500	0.2-1.2	1.8 - 10.6	1500	0,5	1,1	215	1/4" Hex	8431 0170 41	
	EBL20	0.5-2.0	4.5 - 18	750	0,5	1,1	215	1/4" Hex	8431 0170 16	EBL Drive Plus
	EBL21-1500	0.5-2.1	4.5 - 19	1500	0,8	1,8	235	1/4" Hex	8431 0170 43	
	EBL25	1.0-2.5	8.8 - 22.1	930	0,8	1,8	235	1/4" Hex	8431 0170 23	
	EBL35	1.0-3.5	8.8 - 31	700	0,8	1,8	235	1/4" Hex	8431 0170 33	
SOFT STOP	EBL25-1500 *	1.0-2.5	8.8 - 22.1	1500	0,8	1,8	235	1/4" Hex	8431 0170 25	EBL Drive Plus
	EBL45 *	1.0-4.5	8.8 - 40	700	0,8	1,8	235	1/4" Hex	8431 0170 40	
	EBL03-SS	0.05 - 0.3	0.4 - 2.7	870	0,3	0,7	185	Wing type 4mm	8431 0170 07	
	EBL12-SS	0.2-1.2	1.8 - 10.6	910	0,5	1,1	215	1/4" Hex	8431 0170 15	
	EBL20-SS	0.5-2.0	4.5 - 18	750	0,5	1,1	215	1/4" Hex	8431 0170 20	EBL RE Drive
	EBL25-SS	1.0-2.5	8.8 - 22.1	930	0,8	1,8	235	1/4" Hex	8431 0170 28	
	EBL35-SS	1.0-3.5	8.8 - 31	700	0,8	1,8	235	1/4" Hex	8431 0170 38	
	EBL03-RE	0.05 - 0.3	0.4 - 2.7	870	0,3	0,7	185	Wing type 4mm	8431 0170 55	
REPORTING	EBL03-Q-RE	0.05-0.3	0.4 - 2.7	870	0,3	0,7	185	1/4" Hex	8431 0170 06	EBL RE Drive
	EBL12-RE	0.2-1.2	1.8 - 10.6	910	0,5	1,1	215	1/4" Hex	8431 0170 13	
	EBL12-1500-RE	0.2-1.2	1.8 - 10.6	1500	0,5	1,1	215	1/4" Hex	8431 0170 18	
	EBL20-RE	0.5-2.0	4.5 - 18	750	0,5	1,1	215	1/4" Hex	8431 0170 19	
	EBL21-1500-RE	0.5-2.1	4.5 - 19	1500	0,8	1,8	235	1/4" Hex	8431 0170 47	ST controller + EBL Drive
	EBL25-RE	1.0-2.5	8.8 - 22.1	930	0,8	1,8	235	1/4" Hex	8431 0170 26	
	EBL35-RE	1.0-3.5	8.8 - 31	700	0,8	1,8	235	1/4" Hex	8431 0170 36	
	EBL03-SS-RE	0.05 - 0.3	0.4 - 2.7	870	0,3	0,7	185	Wing type 4mm	8431 0170 08	
SOFT STOP REPORTING	EBL12-SS-RE	0.2-1.2	1.8 - 10.6	910	0,5	1,1	215	1/4" Hex	8431 0170 17	ST controller + EBL Drive
	EBL20-SS-RE	0.5-2.0	4.5 - 18	750	0,5	1,1	215	1/4" Hex	8431 0170 21	
	EBL25-SS-RE	1.0-2.5	8.8 - 22.1	930	0,8	1,8	235	1/4" Hex	8431 0170 29	
	EBL35-SS-RE	1.0-3.5	8.8 - 31	700	0,8	1,8	235	1/4" Hex	8431 0170 39	
SOFT START	EBL12 ST	0.2-1.2	1.8 - 10.6	910	0,5	1,1	215	1/4" Hex	8431 0170 14	ST controller + EBL Drive
	EBL25 ST	1.0-2.5	8.8 - 22.1	930	0,8	1,8	235	1/4" Hex	8431 0170 24	
	EBL35 ST	1.0-3.5	8.8 - 31	700	0,8	1,8	235	1/4" Hex	8431 0170 37	

- EBL 45 and EBL 25-1500 to be used with EBL Drive Plus.

- All tool 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).

For all models in the table declared noise and vibration emissions according to ISO 15744 and ISO 28927-2 are: sound pressure level <70 dB(A) and vibrations <2.5 m/s².

EBL Drives and soft start controller

Model	Ordering No.
EBL Drive	8431 0170 70
EBL RE-Drive	8431 0170 75
EBL Drive Plus	8431 0170 85
EBL ST Controller	8431 0170 80

EBL Accessories

Model	Ordering No.
Pistol grip handle EBL12/20	4220 0051 04
Pistol grip handle EBL21/25/35/45	4220 0051 05
Angle head adaptor (EBL21/25/35/45)	4210 4609 80
Angle head adaptor (EBL12/20)	4210 4609 85
Angle head square drive 1/4" (06)	4210 4033 80
Angle head hex bit drive 1/4" (42)	4210 4033 81
Angle head quick change 1/4" (Q)	4210 4033 82
Vacuum pick adapter for EBL03	4220 0080 30
Vacuum pick adapter for EBL12/20	4220 0080 31
Vacuum pick adapter for EBL21/25/35	4220 0080 33
Nozzle blank Ø 8 mm for EBL03	4220 0067 03
Nozzle blank Ø 8 mm for EBL12/20/21/25/35	4220 0070 03
Nozzle blank Ø 14 mm for EBL12/20/21/25/35	4220 0072 03
Vacuum pump 120V	4220 0062 05
Vacuum pump 240V	4220 0062 00



Pistol grip handle



Angle head adaptor



Vacuum pick adapter



Nozzle blank



Shaker tray



Vacuum pump

Model	Ordering No.
Shaker tray (only the box)	4220 0054 00
Grid plate 1.2/1.4 mm	4220 0055 00
Grid plate 1.7 mm	4220 0056 00
Grid plate 2.0 mm	4220 0057 00
Grid plate 2.3 mm	4220 0058 00
Grid plate 2.6 mm	4220 0059 00
Grid plate 3.0 mm	4220 0060 00
Grid plate 4.0 mm	4220 0061 00