

# ***EBL Screwdriver***

Setting the standard

2019 Catalogue



***Atlas Copco***



**AIR-MECH LTD**

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# ***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**



# PERFORMANCE AND DURABILITY

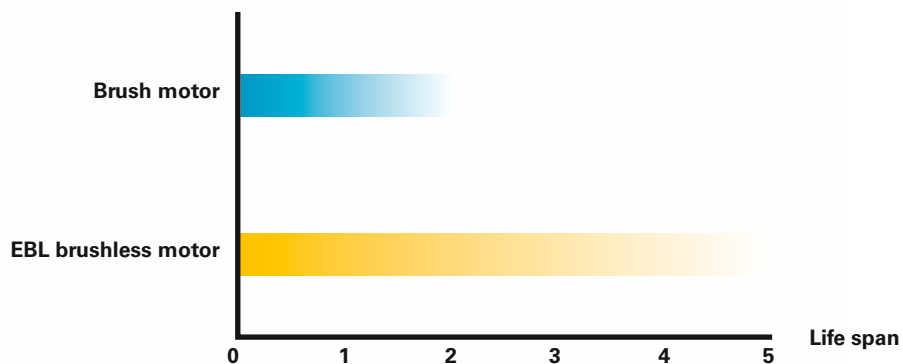


Ready for  
suction  
attachment

Soft stop  
version  
protects  
sensitive  
electronics

Unique nontamper  
torque  
setting

## 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.*



**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 <sup>a</sup>	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 <sup>c</sup>	M2.5-5	1.0-4.5	8.8-40	700	0.8	1.8	235	1/4" Hex	8431 0170 40
EBL55 <sup>c</sup>	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 <sup>b</sup>	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 <sup>d</sup>	M2.5-5	1.0-4.5	8.8-40	700	0.8	1.8	235	1/4" Hex	8431 0170 42
EBL55-RE <sup>d</sup>	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

<sup>a</sup> EBL 25-1500 to be used with EBL Drive Plus.

<sup>b</sup> EBL 25-1500-RE to be used with EBL Drive Plus and EBL RE Module.

<sup>c</sup> EBL 45, 55 to be used with EBL Drive Plus.

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

<sup>d</sup> 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.

\*\*\*NOTE: Vacuum pick-up adapter is not suitable for use with EBL 03Q

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
***NOTE: Vacuum pick-up adapter is not suitable for use with EBL 03Q	



EBL Drive Plus

### CABLES

Model	Ordering No.
<b>Cable (not ESD approved)</b>	
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
<b>Cable (ESD approved)</b>	
Extension cable <sup>b</sup> 3.0 m (5 pin)	4220 0138 01
Extension cable <sup>b</sup> 3.0 m (6 pin)	4216 0115 00

<sup>b</sup> Maximum total length 8 m.



EBL RE module

### PISTOL GRIP

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



Pistol grip

### ANGLE HEAD

Model	Ordering No.
<b>Angle head</b>	
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
<b>Adapter</b>	
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



Vacuum pick-up system



## Optional Accessories

### SCREW DISPENSER

Model	Screw size	Ordering No.
<b>Screw dispenser for magnetized bit</b>		
SDS screw dispenser	M1.0 - 5.0	8432 0830 00
<b>Screw dispenser for vacuum pick up</b>		
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*

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