

# **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



# PERFORMANCE AND DURABILITY

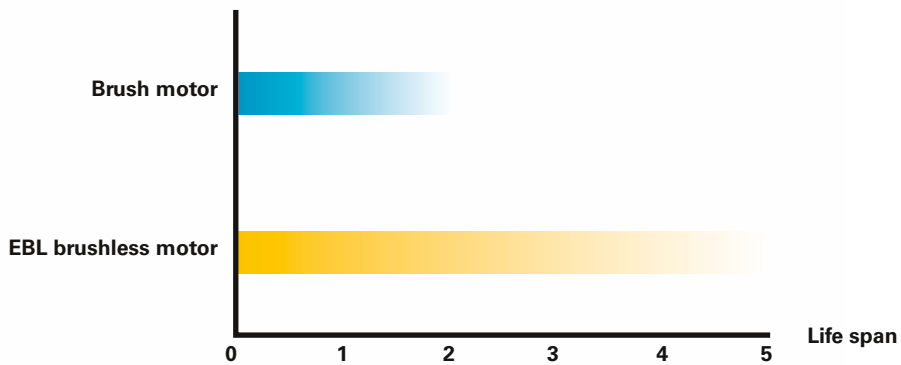


Ready for suction attachment

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.*



## TECHNICAL DATA

Model	Screw capacity	Torque range soft joint		Free speed r/min	Weight		Length mm	Bit drive	Ordering No.
		Nm	in lb		kg	lb			
<b>Standard models</b>									
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
<b>Soft-stop models</b>									
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
<b>Reporting models</b>									
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
<b>Soft-stop Reporting models</b>									
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
<b>Soft-start</b>									
EBL12 ST	M2-3	0.2-1.2	1.8-10.6	910	0.5	1.1	215	1/4" Hex	8431 0170 14
EBL25 ST	M2.5-4	1.0-2.5	8.8-22.1	930	0.8	1.8	235	1/4" Hex	8431 0170 24
EBL35 ST	M2.5-4	1.0-3.5	8.8-31	700	0.8	1.8	235	1/4" Hex	8431 0170 37

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

<sup>c</sup> EBL 45, 55 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>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.

## DRIVES AND CONTROLLERS

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 RE module	8431 0170 76

## 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

## ACCESSORIES

Model	Ordering No.
SDS Screw dispenser	8432 0830 00
<b>Pistol grip</b>	
EBL 12, 20	4220 0051 04
EBL 21, 25, 35, 45, 55	4220 0051 05
<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>Angle head adapter</b>	
Adapter EBL 12, 20	4210 4609 85
Adapter EBL 21/25/35/45/55	4210 4609 81
<b>Vacuum pick-up</b>	
Vacuum pump – 220V	4220 0062 00
Vacuum pump – 115V	4220 0062 05
Nozzle Ø 8 mm for EBL 03	4220 0067 03
Nozzle Ø 8 mm for EBL 12, 20, 21, 25, 35	4220 0070 03
Nozzle 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

Screw dispenser



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