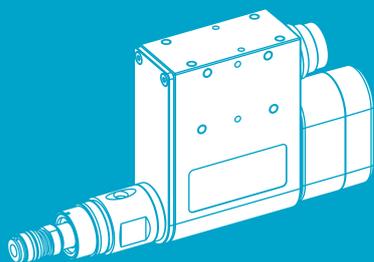




# **MICROTORQUE FIXTURED SCREWDRIVERS**



**Atlas Copco**

# MICROTORQUE FIXTURED SCREWDRIVERS



## User friendly and productivity boosting

Boost productivity and quality, gain high efficiency and cost reduction. Extremely light and compact, full of functionalities, the Microtorque Fixtured Screwdriver range is the most advanced tightening solution for any low torque application.

## Features

- A** Compact, space saving design.
- B** Display with clearly visible and configurable information.
- C** Colored background signaling tightening status.
- D** Simple and intuitive navigation through three controller buttons.
- E** Multiple communication ports.
- F** External power supply unit.
- G** Compact, lightweight and easy to integrate design.
- H** Robust and durable cable

# INTELLIGENT AND ADVANCED TIGHTENING

With an accuracy of  $\pm 10\%$  over six sigma you can gain higher process and product quality, securing torque consistency at every tightening and at every joint. By maximizing tightening quality and torque accuracy you can reduce tightening time and reach process improvement.

The angle monitoring adds a lot more control to the process. Detecting stripped joints, incomplete tightenings, missing components or misalignments to name a few.

And while multiple tightening strategies gives maximum flexibility (from speed variation up to rotation direction); multiple torque means additional savings, since one Microtorque Screwdriver can actually replace multiple conventional screwdrivers at one workstation.



ETF S 08/25



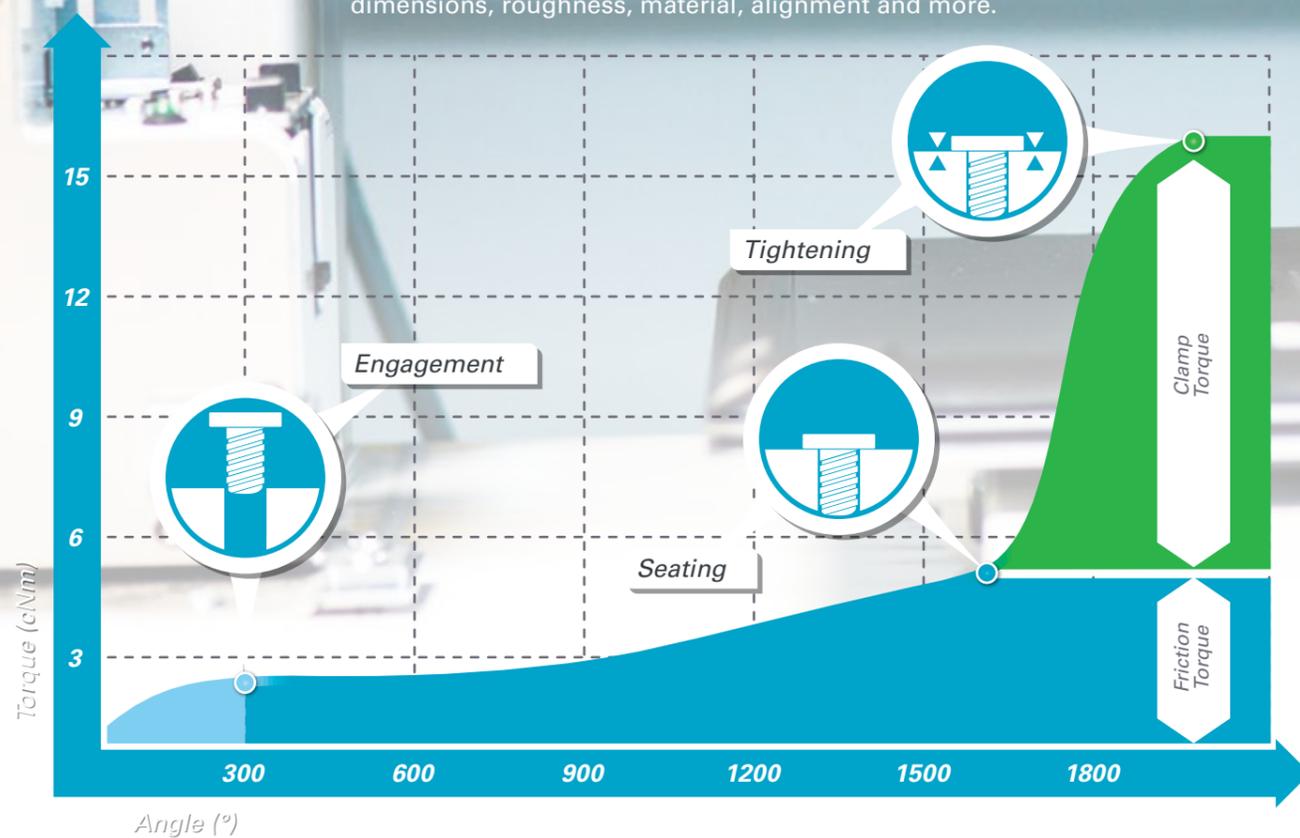
# PROCESS CONTROL AND OPTIMIZATION

The Graphic Data & Analysis tool makes sure to identify the causes for tightening failures. Making it a powerful tool for process optimization and diagnosis. And to help on process control and product quality the Batch count makes an important feature, preventing missing screws during assembly with the Microtorque Fixtured Screwdriver. The Seating Control Strategy is the most intelligent and advanced tightening solution, eliminating floating screws and assuring the best tightening process.

Several I/O and communication ports allow quick and easy integration to any kind of automation and external devices, allowing full control and operation of Microtorque Fixtured Screwdrivers. And the colorful and visual interface the MTF400 controller gives instant feedback to operators through intuitive colors and sounds. All tightening data, including torque, angle, status, and graphics can be exported in real time. Offering traceability and process history.

## Seating control strategy

Due to the monitoring capability during the entire process, the MTF400 identifies the seating point and then adds the specified amount of torque or angle. It secures that the right amount of clamping is applied to every single joint, independent of the so common friction variation due to dimensions, roughness, material, alignment and more.



Model	Ordering No.
MTF 400A	8432 0850 00
To be ordered together with V2 tools	



Model	Torque range		Speed r/min	length mm	Overall width mm	Weight		Bit Drive	Ordering No.*
	cNm	in lb				kg	lb		
<b>Fixture current controlled</b>									
ETF S 08 V2	2 - 8	0,18 - 0,7	1500	125	65	0.30	0.68	HM 4 mm	8432 0832 84
ETF S 25 V2	5.5 - 25	0.49 - 2.20	1000	125	65	0.30	0.68	HM 4 mm	8432 0832 85

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

Tool cables	Ordering No.
2.0 m	8432 0835 02
3.5 m	8432 0835 03



Power Supply Unit (PSU)	Ordering No.
PSU For Tools	
24 V / 72 W ETF S08 V2 and ETD M08/20/27 ABL V2	8432 0840 00
36 V / 72 W ETF S25 V2	8432 0840 01
36 V / 180 W ETD M50/80/100/120/200/250 ABL V2	8432 0840 02



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towards the environment and the people around us.  
We make performance stand the test of time.  
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