Low Reaction Tools

Ergonomics and productivity in a smart solution – with outstanding performance
Choosing the right tool – for low reaction tightening

Take care of quality tightening – while taking good care of the operator. Low Reaction Tools eliminate most of the reaction force, greatly improving operator comfort and delivering high speed tightening.

What is important in your tightening process?

Choosing the right tool is the first – and most important – step towards a perfect operation. Regardless of which of these three tools you use, you will have a well balanced ergonomically designed high quality tool. And choosing the right one will make the whole world of a difference for your specific needs.

If you are looking for a low reaction tool with maximum flexibility, high torque and the ergonomic benefits of having the lowest vibration on the market – a cordless and powerful Atlas Copco TBP is your tool of choice.

For low reaction tightenings with lower torque you have the choice of working with either the electric Atlas Copco Tensor SR, or the cordless Tensor SRB – both of them ergonomic, reliable and accurate.

Thanks to TurboTight, the Tensor SR31 combines high speed and one-handed operation with the accuracy, traceability and flexibility of an electric direct-driven tool.

The TBP is a true game changer. A reliable and powerful workhorse, offering high torque tightening with our DuraPulse® technology. Giving you speed, accuracy, traceability and flexibility … with cordless freedom.

Dual antenna: With the new radio module and a dual antenna, best performance is ensured, both in Bluetooth or Wi-Fi.

Easy to configure direct through your PC. Thanks to the USB port you can set up the wireless parameters in a simple interface, and much more.

RBU Card: Complete Rapid back up of tool parameters, making the process to replace the tool easy. Just insert the RBU card in the new tool!

Multicharger: Developed for the new battery tools platform, as well as the previous generation of batteries.

Tensor SRB

not only delivers one-handed operation with accuracy, traceability and flexibility, but is also powered by the new battery generation from Atlas Copco.
**Speed and accuracy with Tensor SR31**

Boost your productivity with a high-productivity electric reporting tool for your safety critical and other applications.

The Tensor SR31 comes with a new high speed and durable gearbox and is tested for high productivity in industrial conditions. It is powered by tightening strategies that deliver to your highest demands: TurboTight™, Turbo Loosening, 2-stage tightening and Quick step. Your operators will be glad to hear that it is vibration free* and an absolute joy to work with. The Tensor SR31 is a part of the Power Focus family, taking full advantage of Smart Connected Assembly, making Industry 4.0 a reality.

**Features**

A. New high speed motor  
B. The LED Ring provides instant input to the operator  
C. Perfectly balanced and ergonomically designed handle  
D. Incorporated function button, customized for your needs  
E. Direct and robust gear box  
F. Digital communication to the controller Hot swap functionality interchanges the tool without rebooting the controller  
G. Easily assign a Virtual Station to your Tensor SR31 with the Power Focus 6000  
H. Incorporate speaker to improve the operator feedback

With TurboTight™ the Tensor SR31 Pistol combines the speed and one-handed operation with the accuracy, traceability and flexibility of an electric direct-driven tool. Giving you high free run speed, short tightening cycle and low reaction force.

**Comfortable and ergonomic**

The Tensor SR31 is operator friendly – well balanced with a great grip design. And being very light and fast is of course another benefit for the operator.
One handed, error proofed action – with Tensor SRB

The cordless Tensor SRB will change the way you plan your assembly stations. Experience low reaction, one-handed operations – in an error-proof production.

Features

A. Operator feedback and battery status via LED indicator
B. Total Flexibility, Direct Drive, TurboTight™ and Tensor Pulse
C. Easy to set up and assign Virtual Station with the Power Focus 6000
D. Incorporate speaker to improve operator feedback
E. Well balanced tool that sits comfortably in your operators hands
F. New boosting feature delivers the required energy for a high speed motor up to 1 500 rpm
G. A buffer battery makes battery swaps trouble free
H. Integrated indicator on the battery shows battery and health status
J. Dual antenna improves your connectivity
K. Rapid Backup Unit (RBU) functionality

Key benefits of Tensor SRB

- High accuracy
- Full traceability
- One handed cable free
- Short tightening cycle
- High productivity
- Fast Tightening

Powered by intelligent batteries and clever chargers

The Atlas Copco Tensor SRB & TBP are powered by new workable batteries and chargers. A multicharger means one charger for all batteries – from 18v to 36v and compatible with current as well as the previous generation of batteries. Gain flexibility and lean installation with Daisy chain chargers.

Flexibility
- Low Vibration
- Torque

18 V

It’s Flexible
Low reaction and all strategies, from the standard 2 steps, quick step – to the more advance TurboTight™ and TensorPulse

It’s Productive
New electronics and an improved motor, gives you the possibility to reach 1 500 rpm boosting your productivity.

Perfect your strategies
Tensor SRB offers the possibility to use both traditional strategies and the more advanced strategies such as TurboTight™ and TensorPulse.

Take care of the operators
The Tensor SRB has low weight and great balance – ergonomically designed to prevent operator fatigue. The new design also guarantees the correct temperature in contact with the operator.

Benefit from intelligent batteries
The Tensor SRB is powered by our new generation of batteries and chargers. With a multi charger you have one charger for all batteries. Choose between 18v or 36v battery - without compromising the performance of speed or torque.
**TBP Pulse Tool – redefining what a pulse tool can do**

The TBP will change everything you thought you knew about pulse tools. TBP is a cordless tool for one-handed operations, enabling error-proof productions. And our DuraPulse® technology will ensure the robustness of the TBP, making it your new favourite workhorse.

### Features

- **A** Operator feedback, including battery status, is provided with LED indicators – easily seen from operating position
- **B** Well balanced tool that sits comfortably in your operators hands
- **C** New pulse unit, less affected by oil leakage, with longer service interval
- **D** An efficient ventilation prevents the tool from getting too warm
- **E** A buffer battery makes battery swaps trouble free
- **F** The all new pulse unit delivers 6,000 rpm
- **G** Easy to set up and assign Virtual Station with the Power Focus 6000
- **H** Internal buzzer for audible feedback
- **I** Dual antenna, improves your connectivity
- **J** Rapid Backup Unit (RBU) functionality
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### Key benefits of the TBP

- **Battery tool**
- **High Torque**
- **Less maintenance**
- **Less need of spares and back-up tools**
- **Less down-time in production**

### Low vibration

The lowest vibration levels in the market means saving the operator and reducing work related costs caused by fatigue and injuries such as white fingers.

### High service interval

Thanks to new patented technology and design, you will have longer service intervals than with traditional pulse tools. Reduced oil leakage, separation of air and oil, and a cooler tool – meaning higher performance and uptime.

### High torque possibilities

With TorqueBoost®, active cooling and advanced motor steering, the torque build up is fast and gives reduced hours per production unit.

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A Virtual Station to fit your exact needs

With Virtual Stations we are reinventing tightening, with defined packages for each tool and functionality level. “One controller – Any tool.” This flexible controller manages up to six virtual stations – each of them managing different levels of functionality.

Gain total tool control with virtual stations making sure your tool is performing correct tightenings for your assembly.

Control your communication with the virtual station, giving you an easy and seamless integration with your production systems.

Multiple accessories per virtual station are controlled independently from other virtual stations.

Smart connected Low Reaction Tools. Smart Connected Assembly supports Industry 4.0 becoming reality. A reality where technology is easy to use and quickly delivers value.

Increased uptime:
Increase tool up-time by 78% – combine traditional preventive maintenance – with a more data driven approach.

Reduction in defects:
With smart connected low reaction tools, you could see a reduction in defects and rework by 15%.

New product Introduction:
With Smart Connected Assembly, you can maximize quality and speed while bringing costs for introduction of new products down by 57%.

Improved productivity:
Reduce reworks, minimize defects and maximize output. By using real data, a big improvement in quality will be reached. And a productivity increase by 73%.

Human factors: Smart tools means less money and 30% less time spent on training, since your operators will have real-time guidance as they work.

Reduction in energy use:
Atlas Copco Power Focus 6000 can be connected to 6 tools – saving energy costs in standby with up to 80%.

Take care of your investments

ToolCover Maintenance Solutions help you optimize performance and gain efficiencies in your production while minimizing your tool costs and production risks. With a modular set of products, ToolCover is designed to meet your specific needs and tool usage.

Based on your needs, you can choose between Protect, Stability, Uptime. Please see below our value proposition

Read more about our service offers at www.atlascopco.com

Smart Connected Assembly supports Industry 4.0 becoming reality. A reality where technology is easy to use and quickly delivers value.

Easystart – Right the First Time
No two installations are the same. With Easystart it is easy to customize according to the customer needs per station. A trouble-free and efficient start of operations for your tightening system. Through a globally standardized and certified process for every step, from programming to training, you will get it right the first time, saving time and money.

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### Tensor SRB Torque Ranges

<table>
<thead>
<tr>
<th>Model</th>
<th>Ordering No.</th>
<th>Max Torque</th>
<th>Tensor Pulse</th>
<th>Turbo Tight</th>
<th>Direct Drive</th>
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* Only QuickStep

### Batteries

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<td>Daisy chain cable</td>
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### Accessories

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<td>STB Battery Charger Adapter</td>
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<td>Foot protective cover</td>
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