

# Low Reaction Tools

Ergonomics and productivity in a smart solution – with outstanding performance

Atlas Copco



# 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.

**Tensor SR31**



**Tensor SRB** not only delivers one-handed operation with accuracy, traceability and flexibility, it does so powered by the new battery generation from Atlas Copco.

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 Wlan.

**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.

# 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

*Key benefits of Tensor SR31*

- High speed
- High efficiency
- One handed tool
- Short tightening cycle
- High productivity
- Full traceability



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.



## 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.

### 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



### 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.

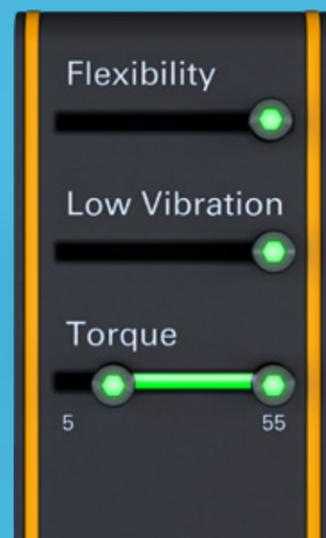
### Benefit from intelligent batteries

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.



## 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.

## 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 to warm
- E** A buffer battery makes battery swaps trouble free
- F** The all new pulse unit delivers 5 500 rpm
- G** Easy to set up and assign Virtual Station with the Power Focus 6000
- H** Internal buzzer for audible feedback
- J** Dual antenna, improves your connectivity
- K** Rapid Backup Unit (RBU) functionality

Key benefits of the TBP

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





# 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



**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.



**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



	Take care of your investments	Optimize your tools – minimize your costs	Guard your tools – maximize your productivity
<b>Preventive Maintenance</b>	Once per tool and year	Optimization based on historic production data	Optimization based on real-time production data
<b>KPI Monitoring and analysis</b>	Yearly direct cost tracking	Bi-annual direct and indirect cost tracking per tool	Customized real-time monitoring and monthly optimization analysis per tool
<b>Warranty</b>	Extended 3 month warranty after maintenance	Full contract lifetime warranty	Full contract lifetime warranty
<b>Atlas Copco professional support</b>	Annual feedback meetings	Bi-annual feedback and optimization consultancy	Dedicated on-site Atlas Copco personnel
<b>Repairs</b>	Not included - but possible to couple with RapidRepair contract	Yes - priority on workshop repairs and spare parts included	Yes - included on-site support

Read more about our service offers at [www.atlascopco.com](http://www.atlascopco.com)



Model	Square Drive	Torque range		Battery	Speed r/min	Weight excl. battery		Weight inc. battery (18V)		Length mm	Height mm	Ordering No.
		Nm	ft lb			kg	lb	kg	lb			
ETP SR 31-25-10	3/8	5-25	3.7-18.4	18V	2010	0.85	1.8	N/A	N/A	210	179	8436 4300 20
ETP SRB 31-20-10	3/8	5-20	3.7-14.75	18V	1500	1.15	2.53	1.65	3.63	223	211	8433 3270 30
ETP SRB 31-25-10	3/8	5-25	3.7-18.4	18V	1500	1.15	2.53	1.65	3.63	223	211	8433 3260 30
ETPTBP 61-32-10	3/8	12-35	8.9-25.8	18V	6000	1.33	2.93	1.83	4.05	200	231	8433 3230 20
ETPTBP 81-55-10	3/8	20-55	14.8-40.6	18V	6000	1.5	3.3	2	4.4	200	231	8433 3230 30

#### Tensor SRB Torque Ranges

Model	Ordering No.	Max Torque		Tensor Pulse		Turbo Tight		Direct Drive	
		Nm	ft lb	Nm	ft lb	Nm	ft lb	Nm	ft lb
ETP SRB 31-20-10	8433 3270 20	20	14.75	16	11.8	20	14.75	12	8.8
ETP SRB 31-25-10	8433 3260 30	25	18.4	25	18.4	20	14.75	12*	8.8

\* Only QuickStep

#### Batteries

Batteries	Ordering No.
Battery Li-Ion 18V 2.6 Ah	4211 6030 85
Battery Li-Ion 36V 2.6 Ah	4211 6030 86
Multicharger 18-36V	4211 6083 84
Daisy chain cable	4211 6083 60

#### Accessories

Accessories	Ordering No.
Protective cover 18V	4211 6090 18
Protective cover 36V	4211 6090 36
STB Battery Charger Adapter	4211 6083 87

Accessories	Ordering No.
Protective cover TBP	4250 3135 60
SRB/TBP Tool Holder	4220 3584 86
Protective cover SRB	4220 2744 07
Foot protective cover	4211 6089 00

**Committed to Sustainable Productivity**

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