



Atlas Copco

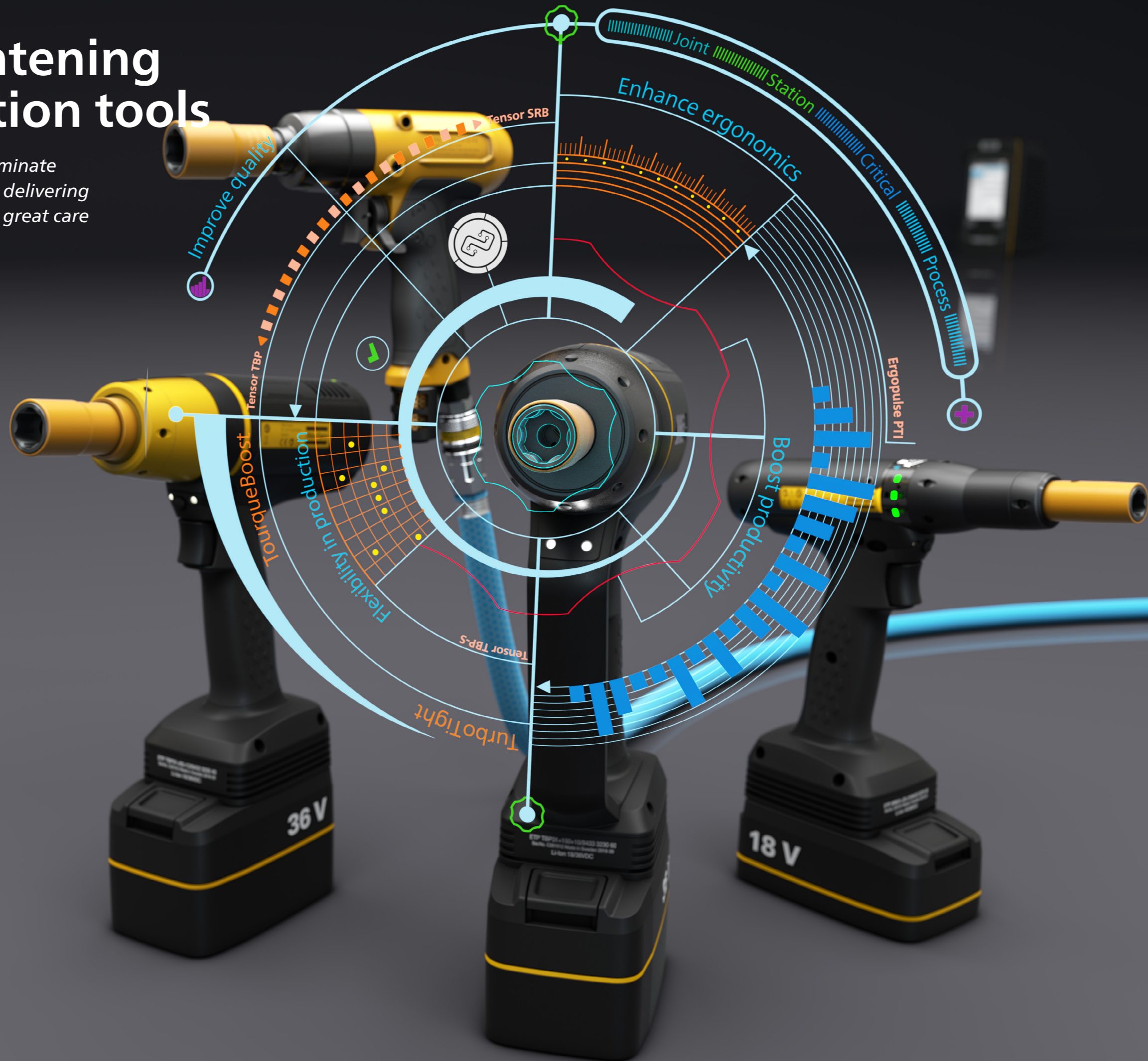


# Low Reaction Tools

Highly productive, ergonomic and flexible tightening solutions for your assembly line.

# High-speed tightening – with low reaction tools

Atlas Copco's low reaction tools close to eliminate the reaction force in assembly applications, delivering high-speed quality tightening while taking great care of the operator.



Atlas Copco's line-up of battery powered low reaction tools are designed to improve operator ergonomics. Not only will you increase productivity and optimize your factory up-time, you will also have less costs and time lost on operator injuries and fatigue.

Choosing the right tool is the first – and most important – step towards a perfect operation. Regardless of which tool within our LRT range you choose, you will have a well balanced high quality tool. And choosing the right one will make the whole world of a difference.

## What is important in your tightening processes?

If you need a small and reliable workhorse that promises accuracy and speed, the pneumatic ErgoPulse PTI is an excellent solution.

For maximum flexibility, high torque and the lowest vibration on the market – a cordless and powerful Atlas Copco TBP Pulse Tool is your choice.

For reliable and accurate low reaction tightenings with lower torque, the cordless Tensor SRB offers an error-proof production.

# ErgoPulse PTI – your productive workhorse

*The pneumatic, low weight ErgoPulse PTI is an excellent addition to the Atlas Copco LRT line-up. Increasing tool uptime with up to five times longer service intervals.*

## Ergonomics & Productivity

- Up to 5x longer service intervals
- Faster production
- Improved quality
- Excellent operator ergonomics
- Higher performance

With a durable and robust design the ErgoPulse PTI is faster and more accurate than ever and will improve the production quality and throughput. The ergonomic design of the tool takes care of your operators wellbeing, all while lowering the Total Cost of Ownership of your pulse tools. With fewer tool installations you can also enjoy lower set-up costs.

The ErgoPulse PTI reduces the need for maintenance and is a proven and important part of this fleet. Our DuraPulse® technology means longer time between services with up to 5 x longer service intervals. With the right startup and maintenance you will have optimal performance throughout the lifetime of the tool.

**Faster production with improved quality**

With Torque Boost® the torque build-up is even faster, giving you reduced hours per production unit. Quality is improved with a more robust and stable shut-off mechanism that increases accuracy and lowers the mean shift.



# Quality critical tightening and high productivity with the TBP-S

*The all new cordless and slender TBP-S for one-handed operations, will ensure that your joint is tightened properly and trace the job done. Perfect for a reliable and quality critical tightening.*

With the same hardware as the TBP but with a slimmer software version suited for quality critical tightenings, the TBP-S battery pulse tool is a robust yet slender solution for the middle segment. With a mix of productivity, ergonomics and error-proofing the TBP-S is proven to offer less maintenance and less down-time in production.

Our DuraPulse® technology – also featured in the TBP – will ensure a robustness making the TBP-S a reliable pulse tool that keeps on delivering.

**Low vibration and long service intervals**  
Just like the TBP, the TBP-S shows the lowest vibration levels in the market. This means operator comfort and safety, reducing work related costs caused by fatigue and injuries.

The patented technology and design gives you longer service intervals than with traditional pulse tools. With TorqueBoost®, the TBP-S has active cooling and advanced motor steering, so the torque build up is fast and gives reduced hours per production unit.

**i** The TBP-S can be used in Standalone mode: the tool can be used straight out of the box and no controller is needed. Any device can be used to select/create the pset and adjust the product settings.

Ergonomics & Productivity  
**+Flexibility**

Control job done  
High Torque  
Less maintenance  
Less down-time in production  
No reaction force



**Future Proof**

If you need more functionality in your TBP-S you can easily upgrade it to a fully functional TBP with our upgrade kit.

# Safety critical tightening and full traceability with the TBP

Since launch, the TBP has been redefining what a low reaction pulse tool can do. Enjoy the benefits of a cordless tool for one-handed operations, enabling error-proof production.

The Atlas Copco TBP is a reliable and powerful pulse tool, offering high torque tightening with very little reaction. Giving you speed, accuracy, traceability and flexibility – with cordless freedom. With a TBP you will have direct and accurate feedback of the joint behavior.

Anything is possible. Bring Error-Proofing to the next level with our Barcode reader (EHMI) and a location system like the ILT. Customize your tool with accessories to fit your specific needs.

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

Offering better protection from injuries and increasing the lifespan of your tools, results in huge savings.



The TBP can be used in Standalone mode: the tool can be used straight out of the box and no controller is needed. Any device can be used to select/create the preset and adjust the product settings.

Ergonomics, Productivity  
& Flexibility  
**+Traceability**

High Torque  
Trace joint behaviour  
Less maintenance  
Less down-time in production  
No reaction force



# Error-proof production with the cordless Tensor SRB

The productive and cordless Tensor SRB will change the way you plan your assembly stations. Experience low reaction, one-handed operations with a strategy that fits your needs.

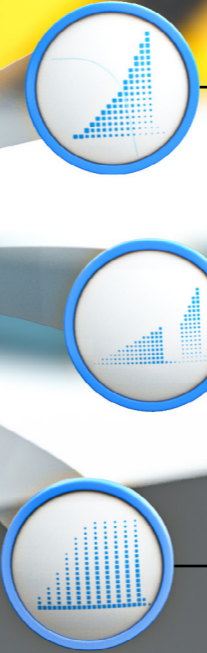
The Atlas Copco Tensor SRB delivers multiple tightening technologies with accuracy, traceability, flexibility – and low reaction. It offers both traditional strategies like 2 steps and Quick Step, but also more advanced strategies such as TurboTight and TensorPulse. With a slim design it allows for easy access in cramped spaces.

The Tensor SRB has low weight and great balance – with a slim design – ergonomically designed to prevent operator fatigue. New electronics and an improved motor will boost your productivity. Choose between 18v or 36v battery without compromising the performance of speed or torque.

Ergonomics, Productivity,  
Flexibility & Traceability  
**+Accessibility**

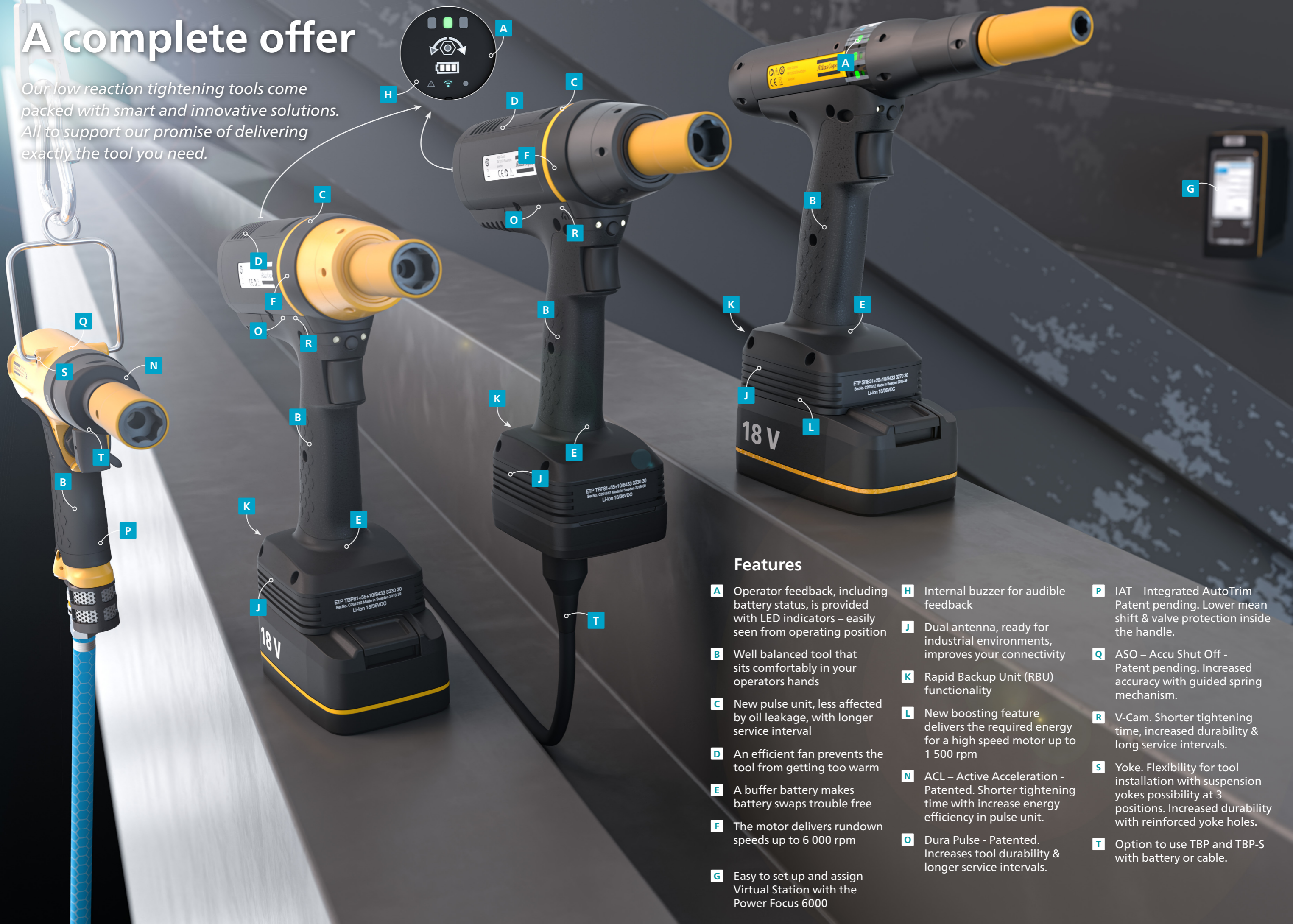
- High accuracy
- Full traceability
- One handed cable free
- High productivity
- All tightening strategies

Total Flexibility, Direct Drive, TurboTight™ and TensorPulse



# A complete offer

Our low reaction tightening tools come packed with smart and innovative solutions. All to support our promise of delivering exactly the tool you need.



## 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 fan prevents the tool from getting too warm
- E** A buffer battery makes battery swaps trouble free
- F** The motor delivers rundown speeds up to 6 000 rpm
- G** Easy to set up and assign Virtual Station with the Power Focus 6000
- H** Internal buzzer for audible feedback
- J** Dual antenna, ready for industrial environments, improves your connectivity
- K** Rapid Backup Unit (RBU) functionality
- L** New boosting feature delivers the required energy for a high speed motor up to 1 500 rpm
- N** ACL – Active Acceleration - Patented. Shorter tightening time with increase energy efficiency in pulse unit.
- O** Dura Pulse - Patented. Increases tool durability & longer service intervals.
- P** IAT – Integrated AutoTrim - Patent pending. Lower mean shift & valve protection inside the handle.
- Q** ASO – Accu Shut Off - Patent pending. Increased accuracy with guided spring mechanism.
- R** V-Cam. Shorter tightening time, increased durability & long service intervals.
- S** Yoke. Flexibility for tool installation with suspension yokes possibility at 3 positions. Increased durability with reinforced yoke holes.
- T** Option to use TBP and TBP-S with battery or cable.

# A flexible offer – Choose the functionality you need

Each specific assembly has its own unique needs when it comes to functionality level. With our flexible offer it is easy to find just the tool to get the job done, and fit it into your existing fleet. This, in combination with a common controller and virtual stations, will lead to the best set up for your specific needs.

**Virtual stations: One controller – any tool**  
In a traditional assembly environment you will have a vast range of reporting and non-reporting tools with different functionality, communicating to a large number of controllers. Several controllers, each controlling just the one tool.

With Atlas Copco Virtual Stations you have one controller for multiple tools and reporting levels.

**i** The TBP and TBP-S used in Standalone mode can be used straight out of the box. Easy to program on any device, the tools can be used everywhere without the need for infrastructure installations. The Standalone mode of the TBP and TBP-S is the most efficient, sustainable and versatile solution for customer critical applications.



Standalone

Joint

Station

Critical

Process

The right tool for the job. Different types of joints need different tightening levels. Where one joint and tightening demands a safety critical solution, another needs tightening on a customer critical level.

The Virtual Station types for each tool and functionality level is defined. Meaning you get just the tightening each specific job demands – neither more nor less.



# Guided Rotation sockets

*Taking good care of your operators safety while maintaining joint accuracy*

Our Rotation concept promotes the increasing demands regarding operators safety and non-marking tools.

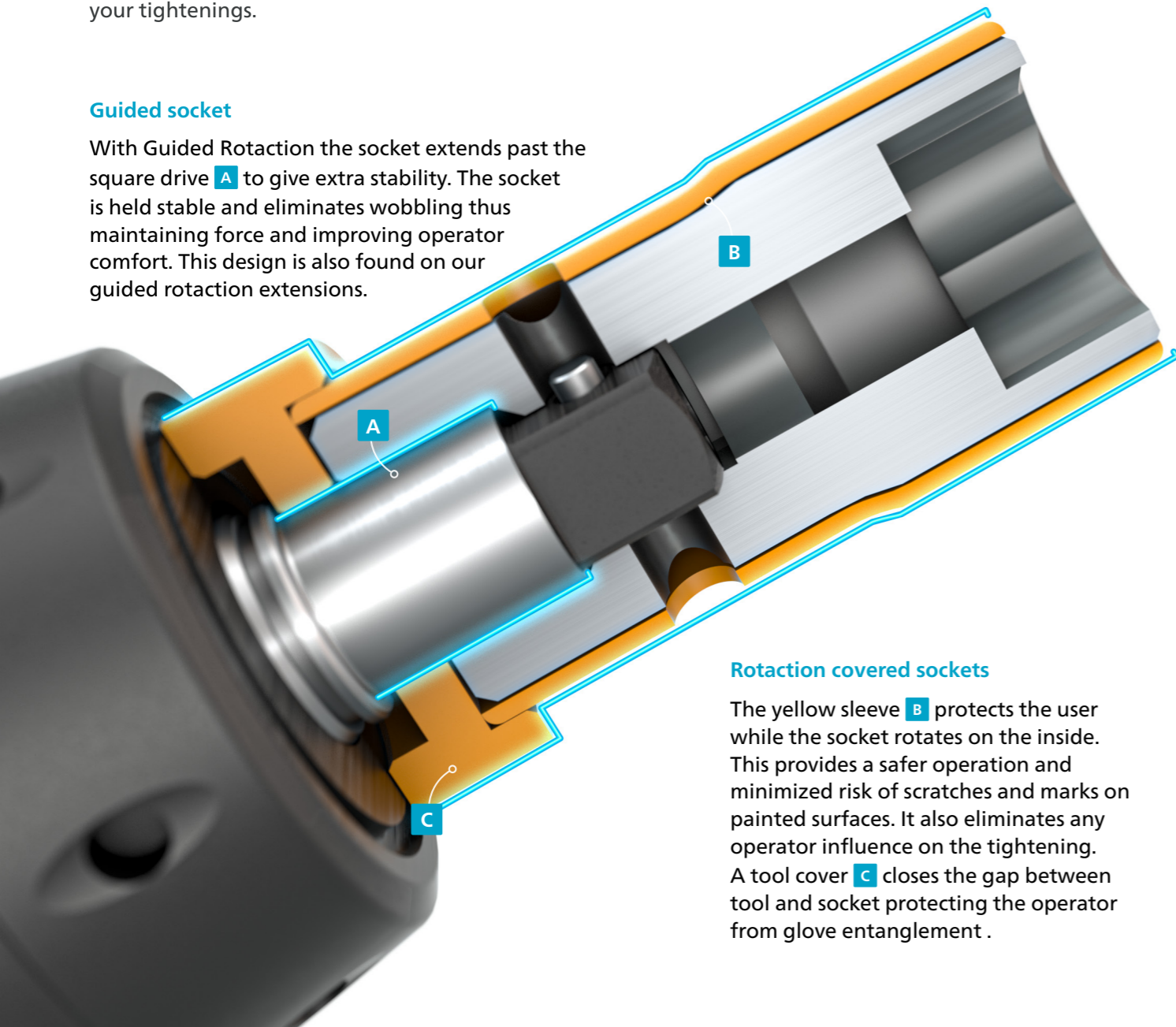
The combination of free rotating sleeves and tool covers for the connections "tool-to-socket" and socket covers for "extension-to-socket" improve operators safety significantly. This also eliminates user influence on the tightening.

Thanks to extra stability from the elongated sleeve the socket delivers correct torque to the joint. Ergonomically this stability also protect operators from injury such as "white finger syndrome"

Paired together we call it "Guided Rotation". It protects your operators and maintains accuracy in your tightenings.

## Guided socket

With Guided Rotation the socket extends past the square drive **A** to give extra stability. The socket is held stable and eliminates wobbling thus maintaining force and improving operator comfort. This design is also found on our guided rotation extensions.



## Rotation covered sockets

The yellow sleeve **B** protects the user while the socket rotates on the inside. This provides a safer operation and minimized risk of scratches and marks on painted surfaces. It also eliminates any operator influence on the tightening. A tool cover **C** closes the gap between tool and socket protecting the operator from glove entanglement.

## Guided Rotation Sockets:

- Ergonomic
- Minimizes risk for injuries
- Eliminates user influence on the tightening
- Gives extra stability
- No scratching
- Delivers correct torque to the joint



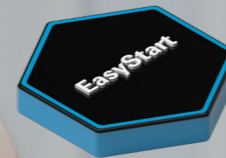
## The Rotation range covers:

- Numerous sockets, bit sockets, bits and nut setters with freely rotating protection sleeves
- Tool covers to bridge gaps between tool and socket
- Socket covers to bridge gaps between extension and socket
- Various extensions with rotating protection sleeves

*Besides a wide range of standard products, customized solutions such as sockets, tool covers, multiples and much more can be realized with our team in Tierp, Sweden*

# Take care of your investments

Every production line and industrial site is unique and has its own challenges. With that in mind, our service solutions are designed to help you get the most out of your industrial equipment. We combine analyses of production data with know-how and expertise in order to enhance your productivity and quality; while keeping you cost efficiency maintenance under control.



## 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.



	Take care of your investments	Optimize your tools – minimize your costs	Guard your tools – maximize your productivity	Increasing use of production data
Preventive Maintenance	Once per tool and year	Optimization based on historic production data	Optimization based on real-time production data	
KPI Monitoring and analysis	Yearly direct cost tracking	Bi-annual direct and indirect cost tracking per tool	Customized real-time monitoring and monthly optimization analysis per tool	
Warranty	Extended 3 month warranty after maintenance	Full contract lifetime warranty	Full contract lifetime warranty	
Atlas Copco professional support	Annual feedback meetings	Bi-annual feedback and optimization consultancy	Dedicated on-site Atlas Copco personnel	
Repairs	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)



#### ErgoPulse PTI

Model	Bolt size mm	Square drive in	Torque range <sup>1</sup>		Free speed <sup>2</sup> r/min	Weight		Length mm	CS dist mm	Air consumption under load		Rec. hose size mm	Air inlet thread in	Ordering No.
			Nm	ft lb		kg	lb			l/s	cfm			
<b>High Pressure<sup>3</sup></b>														
EP5PTI19 HR10-MT	M6	3/8	8-19	6-14	7300	0.9	2	168	23	6.5	14	8	1/4	8431 0381 30
EP5PTI17 HR42-MT	M6	1/4 <sup>5</sup>	7-17	5-13	7300	0.9	2	168	23	6.5	14	8	1/4	8431 0381 32
EP6PTI32 HR10-MT	M6-M8	3/8	16-32	12-23	9000	0.9	2	168	23	6	13	8	1/4	8431 0381 40
EP6PTI28 HR42-MT	M6-M8	1/4 <sup>5</sup>	15-28	11-21	9500	0.9	2	168	23	6	13	8	1/4	8431 0381 42
EP7PTI55 HR10-MT	M8-M10	3/8	30-55	22-40	7000	1.2	2.5	179	27	9	19	10	1/4	8431 0381 50
EP8PTI70 HR10-MT	M10	3/8	40-70	29-51	7100	1.3	2.8	179	27	10	21	10	1/4	8431 0381 55
EP9PTI80 HR13-MT	M10	1/2	50-80	37-59	5200	1.5	3.3	191	31	13	28	10	1/4	8431 0381 60
EP11PTI100 HR13-MT	M12	1/2	70-100	52-74	4200	1.7	3.7	201	31	14	30	10	1/4	8431 0381 65
EP13PTI150 HR13-MT	M12-M14	1/2	85-150	63-110	5300	2.3	5	201	36	15	32	13	3/8	8431 0381 70
<b>Low pressure<sup>4</sup></b>														
EP5PTI15 HR10-MT-L	M5	3/8	7-15	5-11	6900	0.9	2	168	23	6.3	13	8	1/4	8431 0382 30
EP5PTI13 HR42-MT-L	M4-M5	1/4 <sup>5</sup>	6-13	4-10	6900	0.9	2	168	23	6.3	13	8	1/4	8431 0382 32
EP6PTI25 HR10-MT-L	M6	3/8	13-25	9-18	8200	0.9	2	168	23	6	13	8	1/4	8431 0382 40
EP6PTI25 HR42-MT-L	M5	1/4 <sup>5</sup>	11-22	8-16	8200	0.9	2	168	23	6	13	8	1/4	8431 0382 42
EP7PTI35 HR10-MT-L	M6	3/8	23-35	17-26	6200	1.2	2.5	179	27	6	15	10	1/4	8431 0382 50
EP8PTI45 HR10-MT-L	M6-M8	3/8	33-45	24-33	6300	1.3	2.8	179	27	8	17	10	1/4	8431 0382 55
EP9PTI65 HR13-MT-L	M10	1/2	43-65	32-48	4500	1.5	3.3	191	31	9.5	20	10	1/4	8431 0382 60
EP11PTI80 HR13-MT-L	M10-M12	1/2	50-80	37-59	3600	1.7	3.7	201	31	13	28	10	1/4	8431 0382 65
EP13PTI110 HR13-MT-L	M12-M14	1/2	63-110	46-81	4000	2.3	5	201	36	16	34	13	3/8	8431 0382 70

Protective cover is included for every tool

<sup>1</sup> To be used as a guide only, final torque depends on type of joint, accessories used and air pressure.

<sup>2</sup> In full speed mode

<sup>3</sup> Air pressure 6.3 bar / 91 psi

<sup>4</sup> Air pressure 4 bar / 58 psi

<sup>5</sup> Female Hexagon drive, Quick Change Chuck

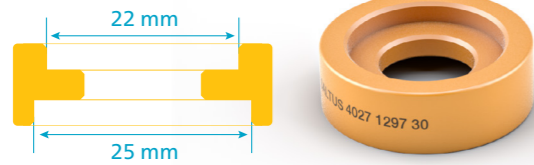
Accessories	Ordering No.
Oil filling kit	4250 3220 90
Protective cover EP5/6PTI	4250 3209 00
Protective cover EP7/8PTI	4250 3206 00
Protective cover EP9PTI	4250 3216 00
Protective cover EP11PTI	4250 3218 00
Protective cover EP13PTI	4250 3214 00
Quick Change Chuck	4250 3218 00

**Guided Rotation Sockets Ø13**

Model	Ø	Length mm	Square Drive	Input Ø d mm	Socket Cover Ref.	Ordering No.
Socket 8	8	50	3/8	22	C22	4027 1292 08
Socket 10	10	50	3/8	22	C22	4027 1292 10
Socket 12	12	50	3/8	22	C22	4027 1292 12
Socket 13	13	50	3/8	25	C25	4027 1292 13
Socket 16	16	50	3/8	25	C25	4027 1292 16
Socket 17	17	50	3/8	25	C25	4027 1292 17

**Tool cover for Guided Rotation Sockets**

Model	Square Drive	Guide socket	Input Ø d mm	Length mm	Ordering No.
ETP TBP61-32-10 ETP TBP61-32-10-BD ETP TBP561-32-10	3/8	13	22 & 25	9.5	4027 1297 30

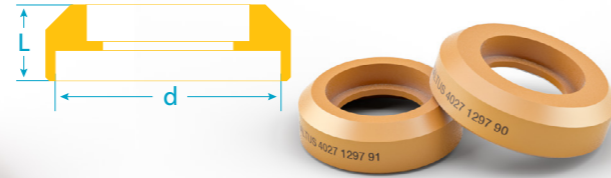


**Guided Rotation Extensions Ø13**

Model	Square Drive	Input Ø d mm	Length mm	Ordering No.
Extension 100	3/8	25	100	4027 1234 72
Extension 150	3/8	25	150	4027 1234 74
Extension 250	3/8	25	250	4027 1234 77

**Socket covers, Rotation**

Reference Code	Square Drive	Input Ø d mm	Length mm	Ordering No.
C22	3/8	22	7.5	4027 1297 90
C25	3/8	25	7.5	4027 1297 91



Tool covers, Guided Rotation sockets and others that aren't listed here can be special requested from our Competence Center Sockets & Bits

**Low Reaction Battery Tools**

Model	Square Drive	Guide Socket Ø	Torque range		Li-Io-Battery	Speed r/min	Weight excl. battery		Weight inc. battery		Length mm	Height mm	Ordering No.
			Nm	ft lb			kg	lb	kg	lb			
ETP SRB31-25-10	3/8	13	5-25	3.7-18.4	18 V	1500	1.15	2.53	1.65	3.63	223	211	8433 3260 30
ETP SRB31-25-I06	1/4 <sup>1</sup>	13	5-25	3.7-18.4	18 V	1500	1.33	2.93	1.83	4.03	223	241	8433 3260 31
ETP SRB31-25-10-BD	3/8	13	5-25	3.7-18.4	18 V	1500	1.33	2.93	1.83	4.03	223	241	8433 3260 32
ETP SRB31-25-I06-BD	1/4 <sup>1</sup>	13	5-25	3.7-18.4	18 V	1500	1.33	2.93	1.83	4.03	223	241	8433 3260 33
ETP SRB31-20-10	3/8	12	5-20	3.7-14.75	18 V	1500	1.15	2.53	1.65	3.63	223	211	8433 3270 30
ETP SRB31-20-I06	1/4 <sup>1</sup>	12	5-20	3.7-14.75	18 V	1500	1.33	2.93	1.83	4.03	223	241	8433 3270 31
ETP SRB31-20-10-BD	3/8	12	5-20	3.7-14.75	18 V	1500	1.33	2.93	1.83	4.03	223	241	8433 3270 32
ETP SRB31-20-I06-BD	1/4 <sup>1</sup>	12	5-20	3.7-14.75	18 V	1500	1.33	2.93	1.83	4.03	223	241	8433 3270 33
ETP TBP61-32-10	3/8	13	12-35	8.9-25.8	18 V	6000	1.33	2.93	1.835	4.05	195	231	8433 3230 20
ETP TBP61-32-10-BD	3/8	13	12-35	8.9-25.8	18 V	6000	1.51	3.33	2.015	4.45	195	261	8433 3230 21
ETP TBP61-32-42	1/4 <sup>1</sup>	13	12-35	8.9-25.8	18 V	6000	1.33	2.93	1.835	4.05	196	231	8433 3230 22
ETP TBP61-32-42-BD	1/4 <sup>1</sup>	13	12-35	8.9-25.8	18 V	6000	1.51	3.33	2.015	4.45	195	261	8433 3230 23
ETP TBP81-55-10	3/8	13	20-55	14.8-40.6	18 V	6000	1.5	3.3	2.0	4.4	200	231	8433 3230 30
ETP TBP81-55-10-BD	3/8	13	20-55	14.8-40.6	18 V	6000	1.68	3.7	2.18	4.8	200	261	8433 3230 31
ETP TBP91-80-13	1/2	18	40-80	29.5-59.0	36 V	6000	1.8	3.9	2.6	5.6	210	231	8433 3230 40
ETP TBP91-80-13-BD	1/2	18	40-80	29.5-59.0	36 V	6000	1.98	4.36	2.78	6.13	209	261	8433 3230 41
ETP TBP131-150-13	1/2	18	55-150	59-110	36 V	3600	2.8	6.17	3.6	7.94	227	255	8433 3230 60
ETP TBP131-150-13-BD	1/2	18	55-150	59-110	36 V	3600	2.98	6.57	3.78	8.33	227	287	8433 3230 61
ETP TBP561-32-10	3/8	13	12-35	9-26	18 V	6000	1.30	2.90	1.80	4.00	200	231	8433 3230 25
ETP TBP561-32-42	1/4 <sup>1</sup>	13	12-35	9-26	18 V	6000	1.33	2.90	1.83	4.00	200	231	8433 3230 27
ETP TBP581-55-10	3/8	13	20-55	15-41	18 V	6000	1.50	3.30	2.00	4.40	200	231	8433 3230 35
ETP TBP591-80-13	1/2	18	40-80	29.5-59	36 V	6000	1.80	3.90	2.50	5.60	210	231	8433 3230 45
ETP TBP5131-150-13	1/2	18	55-150	41-111	36 V	3600	2.80	6.20	3.50	7.90	227	255	8433 3230 65

<sup>1</sup> Female Hexagon drive, Quick Change Chuck

**Tensor SRB Torque Ranges**

Model	Max Torque		TensorPulse		Turbo Tight		Direct Drive		Ordering No.
	Nm	ft lb	Nm	ft lb	Nm	ft lb	Nm	ft lb	
ETP SRB 31-20-10	20	14.75	16	11.8	20	14.75	12	8.8	8433 3270 30
ETP SRB 31-25-10	25	18.4	25	18.4	20	14.75	12 <sup>1</sup>	8.8	8433 3260 30

<sup>1</sup> Only QuickStep

**Accessories**

Accessories	Ordering No.
Protective cover TBP6 & TBP8	4250 3135 60
Protective cover TBP9	4250 3135 62
Protective cover TBP13	4250 3135 63
SRB/TBP Tool Holder	4220 3584 86
Protective cover SRB	4220 2744 07

Accessories	Ordering No.
Foot protective cover	4211 6089 00
Protective cover 18V	4211 6090 18
Protective cover 36V	4211 6090 36
STB Battery Charger Adapter	4211 6083 87

**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

**TBP-S Upgrade kit**

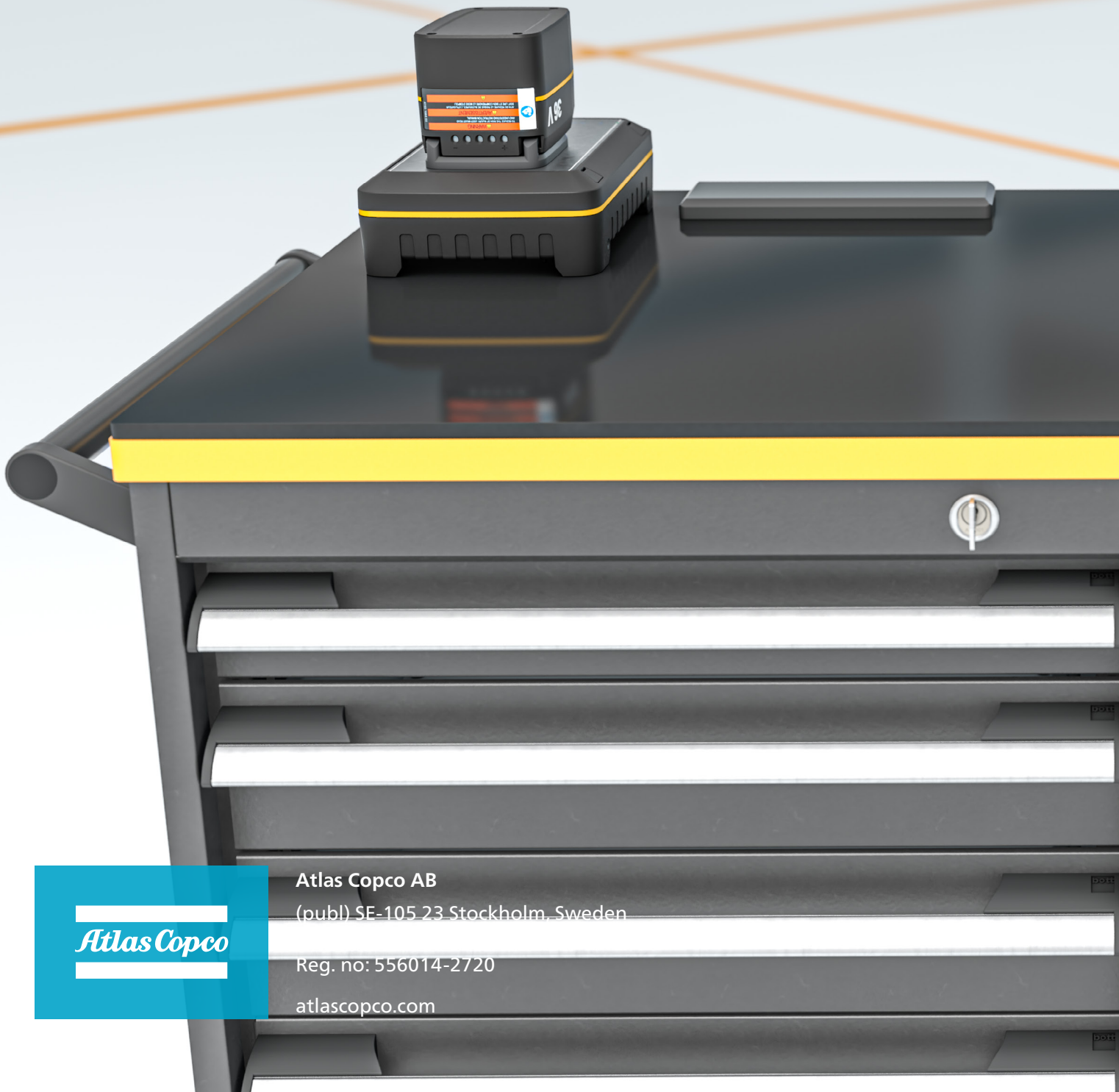
Batteries	Ordering No.
Upgrade kit TBP-S6	4211 5645 30
Upgrade kit TBP-S8	4211 5645 31
Upgrade kit TBP-S9	4211 5645 32
Upgrade kit TBP-S13	4211 5645 33



**Accessories for TBP and TBP-S**

Accessories	Ordering No.
Power Supply Unit 950W revision 6	8432 0840 06
Straight adapter with 3 m cable	8438 6060 03
Straight adapter with 5 m cable	8438 6060 05
Straight adapter with 7 m cable	8438 6060 07
Straight adapter with 10 m cable	8438 6060 10
Right angle adapter with 3 m cable	8438 6061 03
Right angle adapter with 5 m cable	8438 6061 05
Right angle adapter with 7 m cable	8438 6061 07
Right angle adapter with 10 m cable	8438 6061 10





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