

# Continuous Rotation



# SRB HA

## Smart high torque battery tool



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### Improve your operations with a high-productivity intelligent battery tool for your critical applications.

Atlas Copco has been a preferred supplier to the global manufacturing industry for decades. We were the first company to develop and introduce smart electric tools into the factories more than 30 years ago. With our new battery range, we are applying our knowledge and experience to take the smart factory to the field



# SRBHA smart high torque battery tool



## Digital

The digital version is our basic version where the tool is ready to go straight out of the box. Use the buttons to set the desired torque and start tightening. No possibility to save the tightening data.

## Smart

Pre-program up to 10 presets and 10 batches to control your process. The target can be either torque or torque plus angle. Easily shift between the settings and once the job is done, it is simple to download the data for traceability. No additional software or program is needed.

## Connected

Connect your battery tool to the Power Focus 6000 controller, which takes your productivity, quality and connectivity to entirely new levels. The PF6000 controller is easily integrated into overlying systems for live data feed and analysis.



### Feature / Model

- Dual Trigger
- Socket Release
- Guiding LED Feedback
- Torque Transducer
- Permanent Magnet Motor
- HMI Display
- Internal wifi Server for Data Collection
- Presets (10)
- Batch Mode (10)
- Angle Monitoring
- Torque + Angle Strategy
- Torque Tolerances
- Live Data Collection
- Operator guidance
- SQS Configuration
- PF6000 Configuration

	Digital	Smart	Connected
Dual Trigger	•	•	•
Socket Release	•	•	•
Guiding LED Feedback	•	•	•
Torque Transducer	•	•	•
Permanent Magnet Motor	•	•	•
HMI Display	•	•	•
Internal wifi Server for Data Collection		•	•
Presets (10)		•	•
Batch Mode (10)		•	•
Angle Monitoring		•	•
Torque + Angle Strategy		•	•
Torque Tolerances		•	•
Live Data Collection			•
Operator guidance			•
SQS Configuration			•
PF6000 Configuration			•

## SRBHA tool features



### Operator Control & Feedback

- Display with 3 buttons
- Pset Selection / Quick Torque
- Easy interface for the operator

### IP41 Protection

- Ingress Protection

### Torque Range

- Four models : 1300/2400/3400/4000 Nm

### Function Button

- Customisable button / Reverse

### Dual Trigger

- Both triggers need to be pressed
- Minimize risk of injury

### Ergonomics

- Well balanced
- D handle for robustness and safety

### Multi-functional LED

- White spotlight for dark areas
- OK/NOK feedback for operator

### Connects direct to any mobile device

- No app needed
- No additional software
- No wifi network needed

### Battery, Drive & Performance

- 36 V smart battery
- High performance motor
- Built in torque transducer and angle sensor



## SRBHA information and ordering numbers

Model	Torque range [Nm]	Speed [rpm]	Weight [kg]	Spline / Wave	Sq. drive	Gear dia [mm]	Length [mm]	Tool Only Ordering No.	Tool complete Kit Ordering No.
ETP SRB81-200-20	60-200	139	3,63	S 3	3/4"	54	338	8433250111	8433250191
ETP SRB81-200-20-D	60-200	139	3,63	S 3	3/4"	54	338	8433250101	8433250181
ETP SRB81-300-20	90-300	103	3,63	S 3	3/4"	54	338	8433250211	8433250291
ETP SRB81-300-20-D	90-300	103	3,63	S 3	3/4"	54	338	8433250201	8433250281
ETP SRB81-500-20	150-500	65	4,56	S 4	3/4"	67	368	8433250311	8433250391
ETP SRB81-500-20-D	150-500	65	4,56	S 4	3/4"	67	368	8433250301	8433250381
ETP SRB81-750-25	225-750	46	4,87	S 4	1"	67	387	8433250411	8433250491
ETP SRB81-750-25-D	225-750	46	4,87	S 4	1"	67	387	8433250401	8433250481
ETP SRB81-950-25	285-950	35	5,04	S 5	1"	67	398	8433259511	8433259591
ETP SRB81-950-25-D	285-950	35	5,04	S 5	1"	67	398	8433259501	8433259581
ETP SRB81-1300-20-HA	390-1300	23	4,7	W 40	3/4"	63	384	8433250611	8433250691
ETP SRB81-1300-20-HA-D	390-1300	23	4,7	W 40	3/4"	63	384	8433250601	8433250681
ETP SRB81-2400-25-HA	720-2400	11	6	W 47	1"	67	431	8433250711	8433250791
ETP SRB81-2400-25-HA-D	720-2400	11	6	W 47	1"	67	431	8433250701	8433250781
ETP SRB81-3400-25-HA	1020-3400	7	7,7	W 60	1"	82	444	8433250811	8433250891
ETP SRB81-3400-25-HA-D	1020-3400	7	7,7	W 60	1"	82	444	8433250801	8433250881
ETP SRB81-4000-25-HA	1200-4000	5	7,7	W 60	1"	82	444	8433250811	8433250891
ETP SRB81-4000-25-HA-D	1200-4000	5	7,7	W 60	1"	82	444	8433250801	8433250881
ETP SRB81-4500-HA	1350-4500	3,6	7,9	W 60	1,5"	82	444	8433250911	8433250991
ETP SRB81-4500-HA	1350-4500	3,6	7,9	W 60	1,5"	82	444	8433250901	8433250981
ETP SRB81-6500-HA	1950-6500	2,6	9,9	W 72	1,5"	102	481	8433251011	8433251091
ETP SRB81-6500-HA	1950-6500	2,6	9,9	W 72	1,5"	102	481	8433251001	8433251081

D = Digital

Kit = Tool, battery charger, S-Type reaction bar, 2 batteries in a case

Weight is tool only

## SRBHA batteries and accessories

Battery/Charger	Ordering. No.
Battery Li-Ion 36V 2,6 Ah	4211 6030 86
Multicharger 18-36V	4211 6083 84
Protective cover 36V	4211 6090 36
Tool protective cover (included with tool)	4216 4271 02

Tool model	Ordering. No.			
	A. Steel Bar	B. S-type	C. Sliding drive	D. Square bracket
SRB HA 1300	4210 4757 90	4210 4480 90	4210 4752 90	4210 4758 90
SRB HA 2400	4210 4757 93	4210 4480 94	4210 4752 93	4210 4758 93
SRB HA 3400/4000	4210 4757 85	4210 4480 85	4210 4752 85	4210 4758 85



# Tensor Revo HA

## Electric transducerized nutrunner



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### Increase productivity with our electric nutrunner Tensor Revo HA

Atlas Copco known for their high performing electric tools, and it's no different with the Tensor Revo HA. The Tensor Revo HA is the most productive high torque bolting tool in the market today, with a tightening speed 3 times faster than competitors, enabling huge time savings in operation. When combined with the Power Focus XC, you get the ultimate electric nutrunner.



# Tensor Revo HA



**Portable controller.** Controlled by the Power Focus XC, giving you the best experience when working in the field.

**Quality.** Unique transducerized tool with swivel offers quality of tightenings and traceability.

**Slim gears** offer highest accessibility to application. 5 models of tools from 390 to 8000 Nm.

**Handle angle** adjusting joint.

**Two Hand start.** The Revo HA is designed with safety and ergonomics in mind. The two hand start ensures operator safety during tightening operation. Better ergonomics and handling with adjustable handle.

**360° swivel reaction bar.** Offers flexibility while working on different applications. Wide range of light weight reaction bars are available.

Clear operator feedback



**Led Lights** provide instant and clear feedback to the operator.

**Common controller.** Controlled by the Power Focus 6000, the common touch screen controller for all Tensor tools.

# Tensor Revo HA electric transducerized nutrunner

Traditional air and hydraulic tools have problems with noise, vibration and unproductive operation. Also, on most tools the operator cannot see the tightening result. This leads to unnecessary investments in additional tools.

### Easy accessibility

With usability in focus, the Revo HA is designed with a slim gearbox and compact reaction bars with relatively low weight. It's also equipped with a socket release function that releases the socket and reaction bar from the joint after tightening is done.

### Process quality

The Revo HA is the first ever swiveling transducerized tool in this segment. It uses traceability, angle control and monitoring to assure perfect joint quality.

### Faster tightening process

These high torque models can operate at comparatively high speeds. With multi torque setting buttons and operator feedback on the display the tightening process is shortened.

### Safe and ergonomic

Two-handed start trigger makes it safer to operate. With the tool weight balanced out in two hands operator fatigue is reduced. The low vibration and noise level provides a much sounder and comfortable working environment. The controller case enables easy transport between stations and tasks.

## The best just got better

Introducing the Power Focus XC to further enhance the Tensor Revo HA



Alone, the Electric Nutrunner Tensor Revo HA is the quickest high torque tool on the market, with a tightening speed up to 3 times fast than our competitors. Now with the PFXC torque controller, the best just got better.

Designed with simplicity, scan with your phone and see everything in a instant. With no WiFi required you can logon to the controller with any WiFi device to: see tightening results, set Psets including the tightening strategy, speed and target torque. Also, with the ability to send the information to anyone in the world instantly!

The Power Focus XC combined with any Tensor Revo tool supplies you with the ultimate Smart Electric Nutrunner system.

Model	Length mm	Weight kg	Weight lb	Ordering No.
PFXC Drive Unit with License	440	11.2	24.69	8436 1800 50



## Tool ordering numbers

Model	Square Drive	Torque range		Speed rpm	Weight		Length mm	Ordering No.
		Nm	ft lb		kg	lb		
ETP ST101-200-20-F	3/4"	60-200	44-148	396	5,2	114,64	303	8433230202
ETP ST101-300-20-F	3/4"	90-300	66-222	293	5,2	114,64	303	8433230302
ETP ST101-500-20-F	3/4"	150-500	110-370	186	5,9	131,55	334	8433230502
ETP ST101-750-25-F	1"	225-750	165-550	132	6,2	138,24	353	8433230752
ETP ST101-1000-25-F	1"	300-1000	222-738	99	6,4	142,7	364	8433231002
ETP ST101-1500-25-F	1"	450-1500	332-1106	47	8,8	196,22	402	8433232152
ETP ST101-2000-38-F	1 1/2"	600-2000	442-1475	38	11,5	256,42	454	8433232202
ETP ST101-3000-38-F	1 1/2"	900-3000	665-2212	24	14,8	330,01	476	8433232302
ETP ST101-4000-38-F	1 1/2"	1200-4000	885-2950	20	15	334,47	481	8433232402
ETP ST101-1300-20-F-HA	3/4"	390-1300	287-958	65	6,4	142,7	348	8433231303
ETP ST101-2400-25-F-HA	1"	720-2400	530-1770	31	7,5	167,23	400	8433232603
ETP ST101-3400-25-F-HA	1"	1020-3400	752-2505	23	9,1	202,91	412	8433233403
ETP ST101-4000-25-F-HA-2	1"	1200-4000	885-2950	20	9,1	202,91	412	8433234003
ETP ST101-5500-38-F-HA	1 1/2"	1650-5500	1216-4055	17	13,2	294,33	452	8433232503
ETP ST101-6500-38-F-HA	1 1/2"	1950-6500	1438-4795	12	13,2	294,33	452	8433232703
ETP ST101-8000-38-F-HA	1 1/2"	2400-8000	1770-5900	10	13,2	294,33	452	8433232803

## Torque controllers

Controller hardware & Software	Ordering No.
PFXC Drive Unite with License	8436 1800 50
Power Focus 6000	8436 1800 02
IAM Process Control	8436 0910 40
IAM Process Control 2 VS	8436 0910 42
IAM Process Control 3 VS	8436 0910 43
IAM Process Control 4 VS	8436 0910 44
IAM Process Control 5 VS	8436 0910 45
IAM Process Control 6 VS	8436 0910 46
IAM Process Plus Control	8436 0910 50
IAM Process Plus Control 2 VS	8436 0910 52
IAM Process Plus Control 3 VS	8436 0910 53
IAM Process Plus Control 4 VS	8436 0910 54
IAM Process Plus Control 5 VS	8436 0910 55

Model	Ordering No.
Controller carry case IP67 class	8433 2305 10
Controller mounting stand	4222 1736 04
Compact cooling fan module	4222 1599 80
Controller IP54 kit	4222 1769 90

\* Power Focus XC comes with IAM license preloaded. With PF6000 it needs to be purchased separately.



CONTROLLER MOUNTING STAND

## Reaction bars and suspension yokes (not included)

Tool model	A. Steel Bar	B. S-type	C. Sliding Drive	D. Square bracket	E. Swivelling suspension yoke
Revo HA 1300	4210 4757 90	4210 4480 90	4210 4752 90	4210 4758 90	4210 3088 83
Revo HA 2400	4210 4757 93	4210 4480 94	4210 4752 93	4210 4758 93	4210 3088 82
Revo HA 4000	4210 4757 91	4210 4480 93	4210 4752 91	4210 4758 91	4210 3088 81
6500/8000	4210 4757 92	4210 4480 92	4210 4752 92	4210 4758 92	4220 4075 91*

\* Refer ServAid for accessories selection



## Accessories

Model	Ordering No.
Revo HA1300/2600 case	8433 2305 11
Revo HA4000 case	8433 2305 12
Revo HA5800/8000 case	8433 2305 13
Tool protective cover (included)	4220 4299 00
Support handle (included)	4220 4001 83
Adjustable operator handle with trigger	4220 4522 82
Fan module for tool	4220 4417 90
Quick change socket release kit 3/4"	4210 3476 80
Quick change socket release kit 1"	4210 3524 80
ST barcode scanner	8433 0615 50

Model	Ordering No.
Protective cover for ST scanner	4220 2762 10
<b>Tool cables - Power Focus 6000</b>	
ST Cable, 5m	4220 4375 05
ST Cable 7m	4220 4375 07
ST Cable, 10m	4220 4375 10
ST Cable, 15m	4220 4375 15
Cable protection	4220 2977 90

Error proofing modules	Ordering No.
Stacklight ESL04	8433 0570 13
Operator panel advanced	8433 0565 00
Selector, large sockets	8433 0610 44