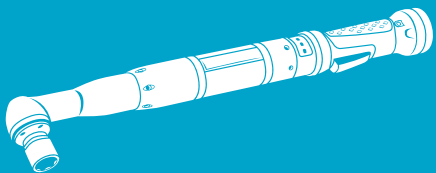


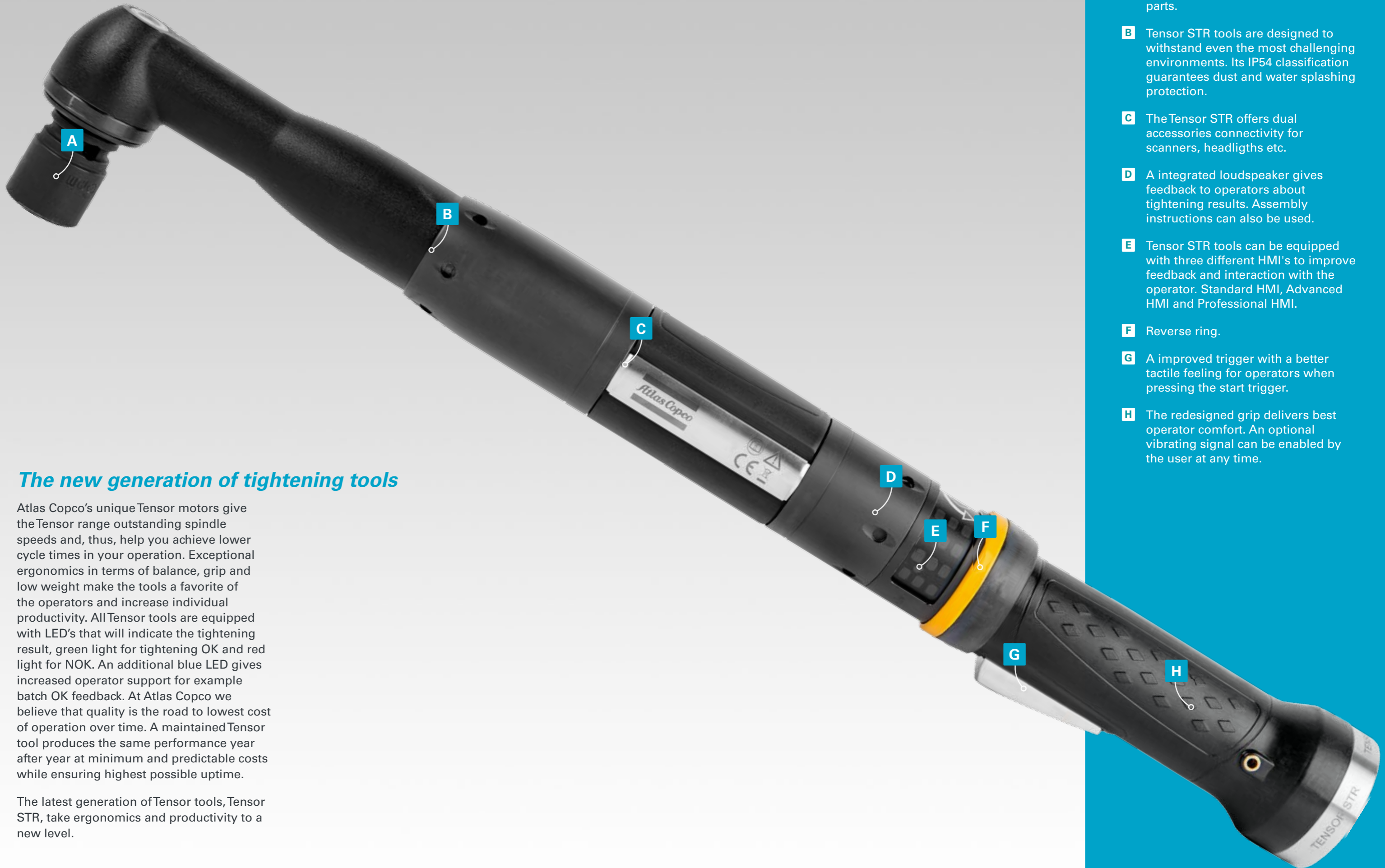
# TENSOR STR

A new generation of high speed nutrunners.



Atlas Copco

# TENSOR STR



## The new generation of tightening tools

Atlas Copco's unique Tensor motors give the Tensor range outstanding spindle speeds and, thus, help you achieve lower cycle times in your operation. Exceptional ergonomics in terms of balance, grip and low weight make the tools a favorite of the operators and increase individual productivity. All Tensor tools are equipped with LED's that will indicate the tightening result, green light for tightening OK and red light for NOK. An additional blue LED gives increased operator support for example batch OK feedback. At Atlas Copco we believe that quality is the road to lowest cost of operation over time. A maintained Tensor tool produces the same performance year after year at minimum and predictable costs while ensuring highest possible uptime.

The latest generation of Tensor tools, Tensor STR, take ergonomics and productivity to a new level.

## Features

- A** All Tensor STR tools can be equipped with special and customized front parts.
- B** Tensor STR tools are designed to withstand even the most challenging environments. Its IP54 classification guarantees dust and water splashing protection.
- C** The Tensor STR offers dual accessories connectivity for scanners, headlamps etc.
- D** A integrated loudspeaker gives feedback to operators about tightening results. Assembly instructions can also be used.
- E** Tensor STR tools can be equipped with three different HMI's to improve feedback and interaction with the operator. Standard HMI, Advanced HMI and Professional HMI.
- F** Reverse ring.
- G** A improved trigger with a better tactile feeling for operators when pressing the start trigger.
- H** The redesigned grip delivers best operator comfort. An optional vibrating signal can be enabled by the user at any time.

# TENSOR STR



reddot



## Higher productivity with better quality

Meeting your tightening needs with a higher performance and better control than ever. With a strong focus on ergonomics, Tensor STR is giving you better heat dissipation keeping the tool cooler, and higher speed thanks to the new Tensor motor.

Operator productivity is increased thanks to dual accessories capability. You can now connect and power two accessories on the same tool. Inventory for spares and back up tools is reduced since the modular components that build the base in the Tensor STR tool

range are interchangeable between models and sizes. IP54 classifications secures that unwanted particles do not enter into the tool, giving a general increase in robustness and reliability.

Get improved ergonomics, time saving and quality by combining the Tensor STR with The Power Focus 6000 and obtain a new state of the art tightening strategy – TurboTight®.

# TWO TRIGGER TOOL



## Cycle time savings when two become one!

One-hand applications, traditionally tightened with pulse tools, are now possible thanks to the upper trigger. Tightening with one tool compared to two tools, shortens cycle time and eliminates unnecessary work steps.

Accurate and reliable, the Tensor STR Two Trigger Tool has the transducer attached on the outgoing shaft increasing accuracy to 2,5%. This increases process reliability, minimizing risk for recall and reducing assembly problems.

1

Pre-tighten with the upper trigger.

2

Tighten to target torque with the lower trigger.



Model	CS distance mm	Length mm	Speed r/min	Square drive in	Torque Range		Weight		Ordering No.
					ft.lb	Nm	kg	lb	
ETV STR31-05-10	11	381	3070	3/8	0.7 - 3.6	1 - 5	1.1	2.4	8436 6130 05
ETV STR31-10-10	11	381	1310	3/8	2.2 - 8.8	3 - 12	1.1	2.4	8436 6130 10
ETV STR31-15-10	11	381	975	3/8	3.6 - 10	5 - 15	1.1	2.4	8436 6130 15
ETV STR31-20-10	14	415	705	3/8	3.6 - 16	5 - 22	1.3	2.9	8436 6130 20
ETV STR61-100-13	22.5	501	390	1/2	15 - 80	20 - 100	2.6	5.7	8436 6160 10
ETV STR61-150-13	25.5	537	245	1/2	22 - 117	30 - 160	3.0	6.6	8436 6160 15
ETV STR61-180-13	25.5	543	215	1/2	26 - 133	35 - 180	3.0	6.6	8436 6160 18
ETV STR61-200-20	27	539	215	3/4	30 - 154	40 - 200	3.1	6.8	8436 6160 20
ETV STR61-25-10	14	439	1620	3/8	4 - 20	6 - 28	1.4	3.1	8436 6160 25
ETV STR61-30-10	15.5	441	1220	3/8	5 - 25	7 - 35	1.4	3.1	8436 6160 30
ETV STR61-40-10	18	452	1220	3/8	6 - 29	8 - 40	1.6	3.5	8436 6160 40
ETV STR61-50-10	18	452	735	3/8	7 - 40	10 - 55	1.6	3.5	8436 6160 50
ETV STR61-70-13	20	464	530	1/2	10 - 58	15 - 80	2.1	4.6	8436 6160 70
ETV STR61-30-10-BL	15.5	441	1220	3/8	5 - 25	7 - 35	1.5	3.3	8436 6169 31
ETV STR61-40-10-BL	18	452	1220	3/8	6 - 29	8 - 40	1.7	3.7	8436 6169 41
ETV STR61-50-10-BL	18	452	735	3/8	7 - 40	10 - 55	1.7	3.7	8436 6169 51
ETV STR61-70-13-BL	20	464	530	1/2	10 - 58	15 - 80	2.2	4.8	8436 6169 71
ETD STR31-05-10	24	388	3645	3/8	0.7 - 3.6	1 - 5	1.0	2.2	8436 6230 05
ETD STR31-10-10	24	388	1555	3/8	1.4 - 7.3	2 - 10	1.2	2.6	8436 6230 10
ETD STR61-15-10	24	438	2500	3/8	3 - 12	4 - 16	1.4	3.1	8436 6260 15
ETD STR61-20-10	24	438	1890	3/8	3.6 - 16	5 - 22	1.4	3.1	8436 6260 20
ETD STR61-30-10	24	429	1130	3/8	4.4 - 25	6 - 35	1.4	3.1	8436 6260 30
ETD STR61-50-13	24	474	819	1/2	7.3 - 40	10 - 55	2.0	4.4	8436 6260 50
ETD STR61-70-13	26.5	491	560	1/2	12 - 58	15 - 80	2.3	5.1	8436 6260 70
ETD STR61-90-13	26.5	491	440	1/2	15 - 70	20 - 95	2.3	5.1	8436 6260 90
ETP STR61-120-13	26.5	298	380	1/2	17.7 - 89.4	24 - 125	2.0	4.41	8436 6360 12
ETP STR61-20-10	24	244	2100	3/8	3.7 - 16.2	5 - 22	1.3	2.87	8436 6360 20
ETP STR61-20-106	24	244	2100	1/4	3.7 - 16.2	5 - 22	1.3	2.87	8436 6360 21
ETP STR61-30-10	24	244	1530	3/8	4.4 - 23.5	6 - 32	1.3	2.87	8436 6360 30
ETP STR61-50-13	24	282	820	3/8	7.4 - 40.6	10 - 55	1.7	3.75	8436 6360 50
ETP STR61-70-13	26.5	298	560	1/2	10.3 - 59	14 - 80	2.0	4.41	8436 6360 70
ETP STR61-90-13	26.5	298	450	1/2	14.7 - 70.4	20 - 95	2.0	4.41	8436 6360 90
ETP STR61-120-13 COT	26.5	350	380	1/2	17.7 - 89.4	24 - 125	2.4	5.29	8436 6368 12
ETP STR61-20-10 COT	24	296	2100	3/8	3.7 - 16.2	5 - 22	1.7	3.75	8436 6368 20
ETP STR61-30-10 COT	24	296	1530	3/8	4.4 - 23.5	6 - 32	1.7	3.75	8436 6368 30
ETP STR61-50-13 COT	24	334	820	3/8	7.4 - 40.6	10 - 55	2.1	4.63	8436 6368 50
ETP STR61-70-13 COT	26.5	350	560	1/2	10.3 - 59	14 - 80	2.4	5.29	8436 6368 70
ETP STR61-90-13 COT	26.5	350	450	1/2	14.7 - 70.4	20 - 95	2.4	5.29	8436 6368 90
ETT STR61-20-10	24	384	1690	3/8	3 - 15	4 - 20	1.6	3.6	8436 6660 20
ETT STR61-30-10	24	384	1300	3/8	4 - 22	6 - 30	1.6	3.6	8436 6660 30
ETT STR61-40-10	24	384	1015	3/8	6 - 30	8 - 40	1.7	3.7	8436 6660 40
ETT STR61-50-10	24	384	780	3/8	7 - 37	10 - 50	1.7	3.7	8436 6660 50

Model	Ordering No.	Model	Ordering No.	Model	Ordering No.
<b>Toolcable PF4000</b>		Spiral cable 7 m / 8 m	4220 2757 07	Lower Ring STR - S	8436 6199 60
Tool cable 2 m	4220 2636 02	Spiral cable 10 m / 12 m	4220 2757 10	Mounting Bracket	4080 1431 00
Tool cable 3 m	4220 2636 03	<b>Extension cable</b>		Mounting Bracket ETT	4080 1430 80
Tool cable 5 m	4220 2636 05	Extension Cable 5 m	4220 1007 05	Scanner ETP STR61	8436 0999 90
Tool cable 7 m	4220 2636 07	Extension Cable 10 m	4220 1007 10	Scanner Protection Cover	4220 4824 00
Tool cable 10 m	4220 2636 10	Extension Cable 15 m	4220 1007 15	Selector ETP STR61	8436 0999 91
Tool cable 15 m	4220 2636 15	<b>Tool Accessories*</b>		Swivelling Suspension Yoke	4220 5070 80
<b>Cables with 90 degrees connector</b>		2D Scanner STR - L	8436 6199 02	Trigger 135 STR - L	8436 6199 22
Tool cable 2 m	4220 3891 02	2D Scanner STR - S	8436 6199 00	Trigger 135 STR -S	8436 6199 20
Tool cable 3 m	4220 3891 03	Protection Cover ETT STR61	4220 5195 00	TriggerTop STR - L	8436 6199 12
Tool cable 5 m	4220 3891 05	20/30/40/50		TriggerTop STR - S	8436 6199 10
Tool cable 7 m	4220 3891 07	Front Button STR - L	8436 6199 32	Upper Ring STR - L	8436 6199 52
Tool cable 10 m	4220 3891 10	Front Button STR -S	8436 6199 30	Upper Ring STR - S	8436 6199 50
Tool cable 15 m	4220 3891 15	Headlight STR - L	8436 6199 42		
<b>Spiral cable (length/stretched length)</b>		Headlight STR - S	8436 6199 40		
Spiral cable 3 m / 4 m	4220 2757 03	Lower Ring STR - L	8436 6199 62		

\* S= for STR61, up to 50 Nm  
L= for STR61, 70 Nm and above



135° Trigger

2D Scanner

Protectioncover Scanner

Trigger Top

Swivelling Suspension Yoke

Headlight

Front button

## ***COMMITTED TO SUSTAINABLE PRODUCTIVITY***

We stand by our responsibilities towards our customers,  
towards the environment and the people around us.  
We make performance stand a test of time.  
This is what we call – Sustainable Productivity.

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The Atlas Copco logo consists of the brand name in a white, italicized serif font, centered between two horizontal white bars of equal length.

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