The mechanical wrench series

The mechanical wrenches in the Atlas Copco Saltus product line form the basis for manual tightening. They enable you to find the optimal solution for your individual tightening situation regardless whether you are working in assembly lines, rework or repair and maintenance, and even when limited operating space is available.

The wrenches are also the perfect backup strategy for your controlled assembly technology. With regard to workplace equipment and costs, manual tightening wrenches are often more efficient and increase your productivity.

The easy handling has earned wide acceptance among operators. Our different wrench types offer the right strategy for nearly any application. You will find more details on this product range and the relevant end fittings in the Atlas Copco leaflet PMI 9833 2019 01 or under www.atlascopco.com

CWR 'Click' wrenches

BWR 'Breaking' wrenches

SWR 'Slipping' wrenches

CWR – 'Click' wrench series							
Type	Torque Nm	Range ft.lb	Length mm	Weight g	Ø mm	Drive	Ordering No.
CWR-20	03-20	2.2-14.8	129	248	21	9x12	8439 0041 00
CWR-25	02-25	1.5-18.4	174	288	21	9x12	8439 0041 01
CWR-50	05-50	3.7-37	236	466	21	9x12	8439 0041 02
CWR-85	15-85	11-62.7	305	576	21	9x12	8439 0041 03
CWR-120	50-120	37-88.5	349	666	24	9x12	8439 0041 04
CWR-200	50-200	37-148	419	916	30x26	14x18	8439 0041 05
CWR-300	60-300	44.2-221	685	1366	32x28	14x18	8439 0041 06

BWR – 'Breaking' wrench series							
Type	Torque Nm	Range ft.lb	Length mm	Weight g	Ø mm	Drive	Ordering No.
BWR-20	02-20	1.5-14.8	213	250	8x16	BWR-20/35	8439 0042 00
BWR-35	05-35	3.7-25.8	288	550	8x16	BWR-20/35	8439 0042 01
BWR-100	20-100	14.8-74	410	950	10x20	BWR-100	8439 0042 02
BWR-240	80-240	59-177	677	2700	14x30	BWR-240	8439 0042 03
BWR-440	140-440	103.0-324.5	857	4300	16x34	BWR-440	8439 0042 04
BWR-750	300-750	221-553	961	6400	20x41	BWR-750	8439 0042 05
BWR-1300	500-1300	369-959	1256	8140	21x45	BWR-1300	8439 0042 06
BWR-2000	800-2000	590-1475	1982	13450	21x45	BWR-2000	8439 0042 07

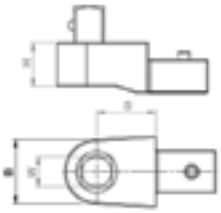
SWR - 'Slipping' wrench series						
Type	Torque Nm	Range ft.lb	Length mm	Weight g	Drive	Ordering No.
SWR-30	05-30	3.7-22	269	640	3/8"	8439 0043 00
SWR-60	15-60	11-44	354	1050	3/8"	8439 0043 01
SWR-110	40-110	29.5-96	453	1900	1/2"	8439 0043 02

End Fittings CWR

Blank end

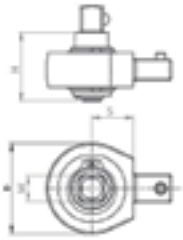
	B mm	H mm	S mm	g	Ordering No.
Blank End 9x12					
	23	14	9	30	4027 5012 20
Assembled	23	14	9	30	4027 5012 21
Blank End 14x18					
	30	21	13	98	4027 5012 23
Assembled	30	21	13	98	4027 5012 24

Fixed square



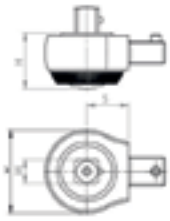
in	B mm	H mm	S mm	g	max Nm	Ordering No.
Fixed Square 9x12						
1/4"	20	14	17.5	76	40	4027 5013 20
3/8"	20	14	17.5	82	80	4027 5013 21
1/2"	20	14	17.5	71	100	4027 5013 22
Fixed Square 14x18						
1/2"	27	18	25	203	300	4027 5013 24
3/4"	40	25	25	396	650	4027 5013 25

Ratchet end



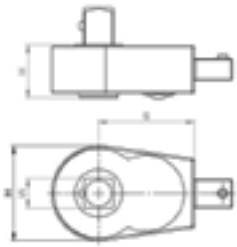
in	B mm	H mm	S mm	g	max Nm	Ordering No.
Ratchet End 9x12						
3/8"	38	29.5	17.5	140	80	4027 5013 30
1/2"	38	29.5	17.5	180	100	4027 5013 31
Ratchet End 14x18						
1/2"	44	29.5	25	230	300	4027 5013 33

Reversible ratchet end



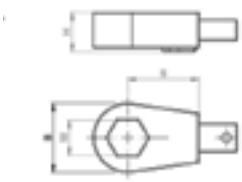
in	B mm	H mm	S mm	g	max Nm	Ordering No.
Reversible Ratchet End 14x18						
1/4"	27	27	17.5	68	50	4027 5013 40
3/8"	36.5	25	17.5	140	100	4027 5013 41
1/2"	33.5	37	17.5	150	120	4027 5013 42
Reversible Ratchet End 14x18						
1/2"	41	26	25	320	300	4027 5013 44
3/4"	62	32	46	865	800	4027 5013 45

Reversible ratchet end



in	B mm	H mm	S mm	g	max Nm	Ordering No.
Reversible Ratchet End 9x12						
1/4"	25	13.5	21.5	77	49	4027 5013 60
3/8"	33.5	17.5	30.5	160	100	4027 5013 61
1/2"	41.5	20.5	37.5	291	120	4027 5013 62
Reversible Ratchet End 14x18						
1/2"	41.5	20.5	37.5	339	300	4027 5013 64
3/4"	63.5	31	70	1155	650	4027 5013 65

Ratchet reversible, with hexagonal output



in	B mm	H mm	S mm	g	max Nm	Ordering No.
Ratchet Reversible. with Hexagonal Output 9x12						
1/4"	22	14	17.5	60	40	4027 5013 80
5/16"	29	14.5	28	117	80	4027 5013 81

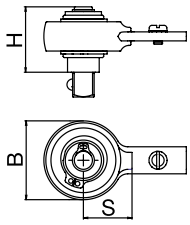
Belknap adapter

9x12 Drive			
Type	S mm	g	Order No.
J-Shank	24	68	4027 5016 90
Y-Shank	29	71	4027 5016 91
X-Shank	31	86	4027 5016 92
Z- Shank	56	314	4027 5016 93

14x18 Drive			
Type	S mm	g	Order No.
J-Shank	24	105	4027 5017 00
Y-Shank	29	104	4027 5017 01
X-Shank	31	121	4027 5017 02
Z- Shank	56	349	4027 5017 03

End Fittings BWR

Ratchet end



BWR 20/35						
in x mm	B mm	H mm	S mm	g	max Nm	Ordering No.
1/4 x 40	36	40	21	145	25	4027 5005 25
1/4 x 70	38	70	21	165	25	4027 5005 26
3/8 x 40	36	40	21	145	85	4027 5005 27
3/8 x 70	36	70	21	170	85	4027 5005 28
1/2 x 45	36	45	21	150	85	4027 5005 29
1/2 x 70	36	70	21	195	85	4027 5005 30

BWR 100						
in x mm	B mm	H mm	S mm	g	max Nm	Ordering No.
3/8 x 40	48	40	30	270	100	4027 5005 36
3/8 x 70	48	70	30	31	100	4027 5005 37
1/2 x 45	48	40	30	285	100	4027 5005 38
1/2 x 70	48	70	30	320	100	4027 5005 39

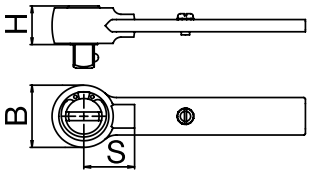
BWR 240						
in x mm	B mm	H mm	S mm	g	max Nm	Ordering No.
1/2 x 45	48	45	31	300	240	4027 5005 44
1/2 x 70	48	70	31	330	240	4027 5005 45

BWR 440						
in x mm	B mm	H mm	S mm	g	max Nm	Ordering No.
3/4 x 70	72	70	58	1100	440	4027 5005 50

BWR 750						
in x mm	B mm	H mm	S mm	g	max Nm	Ordering No.
3/4 x 70	72	70	58	1250	750	4027 5005 55

BWR 1300/2000						
in x mm	B mm	H mm	S mm	g	max Nm	Ordering No.
3/4 x 70	85	70	58	1700	1000	4027 5005 60
1 x 80	85	80	58	2000	2000	4027 5005 61

Reversible ratchet end



BWR 20/35						
in	B mm	H mm	S mm	g	max Nm	Ordering No.
1/4	25	26	21	55	25	4027 5005 70
3/8	36	35	21	130	85	4027 5005 71
1/2	36	40	21	135	85	4027 5005 72

BWR 100						
in	B mm	H mm	S mm	g	max Nm	Ordering No.
3/8	36	35	30	165	100	4027 5005 77
1/2	36	40	30	175	100	4027 5005 78

BWR 240						
in	B mm	H mm	S mm	g	max Nm	Ordering No.
1/2	36	40	31	285	240	4027 5005 83

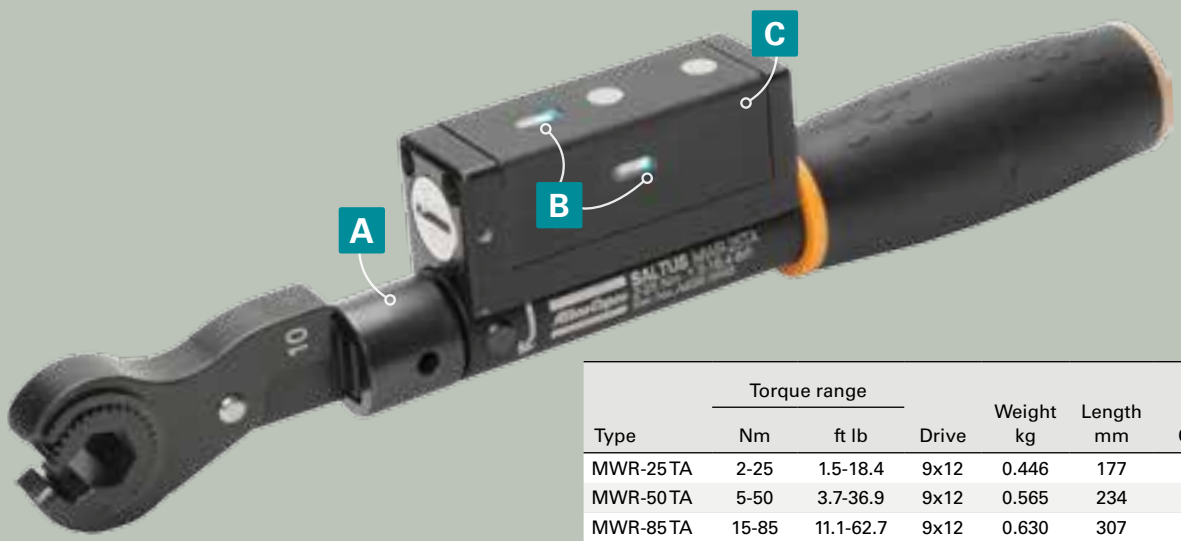
BWR 440						
in	B mm	H mm	S mm	g	max Nm	Ordering No.
3/4	68	56	58	1100	440	4027 5005 88

BWR 750						
in	B mm	H mm	S mm	g	max Nm	Ordering No.
3/4	68	70	58	1250	750	4027 5005 93

BWR 1300/2000						
in	B mm	H mm	S mm	g	max Nm	Ordering No.
3/4	68	70	58	1500	1000	4027 5005 98
1	68	70	58	1500	1000	4027 5005 99

For more options of heads and attachments, check on our website www.atlascopco.com or contact local sales office.

The Mechatronic MWR system - more than a click



Type	Torque range Nm	Torque range ft lb	Drive	Weight kg	Length mm	Ordering No.
MWR-25TA	2-25	1.5-18.4	9x12	0.446	177	8439 0044 20
MWR-50TA	5-50	3.7-36.9	9x12	0.565	234	8439 0044 21
MWR-85TA	15-85	11.1-62.7	9x12	0.630	307	8439 0044 22
MWR-200TA	50-200	36.9-147.5	14x18	0.851	419	8439 0044 23

Accessories		Ordering No.
Charging Cradle MWR		4027 5022 10
Setting key MWR/CWR		4027 5013 96
Recharg. battery NIMH AAA MWR	1.2 V, 1000 mAh	4027 5021 01

Productivity

Based on the mechanical “click” wrench, the MWR mechatronic wrench is highly productive.
The clear physical feedback of the “click” makes it easy to handle even for untrained operators, giving you a very short training period.

Feedback

Feedback of the tightening process is clear with the distinctive “click” of the MWR mechanism in combination with the colored LEDs. If needed the MWR mechatronic system can be completed with the stack lights connected to the Focus controller.

For more information about the new mechatronic system refer to the leaflet ref. 9833 2017 01 available in Atlas Copco's print shop.

Controller	Focus 60	Focus 61
Ordering No.	8439 0044 30	8439 0044 31
Number of workstations	1	2
Number of administrable MWR	1	10
Wireless wrench communication	•	•
Results storage	25.000	25.000
BNC Antenna	•	•
LAN/Ethernet Interface	1	2
Barcode interface	•	•
Accessory-BUS	•	•
Weight (kg)	2.5	2.5
Dimensions (mm)	147x219x121	147x219x121

A Thanks to a standard drive (9x12 and 14x18) , the operator can always find the perfect end fitting for his application.

B Operator can always know if a wrench is ready to work, and if the tightening was correct, by looking at the onboard LEDs.

C Thanks to the wireless connection the operator is free to move around and to access bolt location.

D The charging cradle is a stable holder and a battery charger, making sure that the tools are always ready to perform their tasks. Shift after shift.

E Detailed tightening information is immediately available on the Focus 60 and 61 display.

F Tightening data from MWR wrenches are easily transferred to production data collection systems like ToolsNet. Communicating either with the simple protocol or with the Atlas Copco Open Protocol.

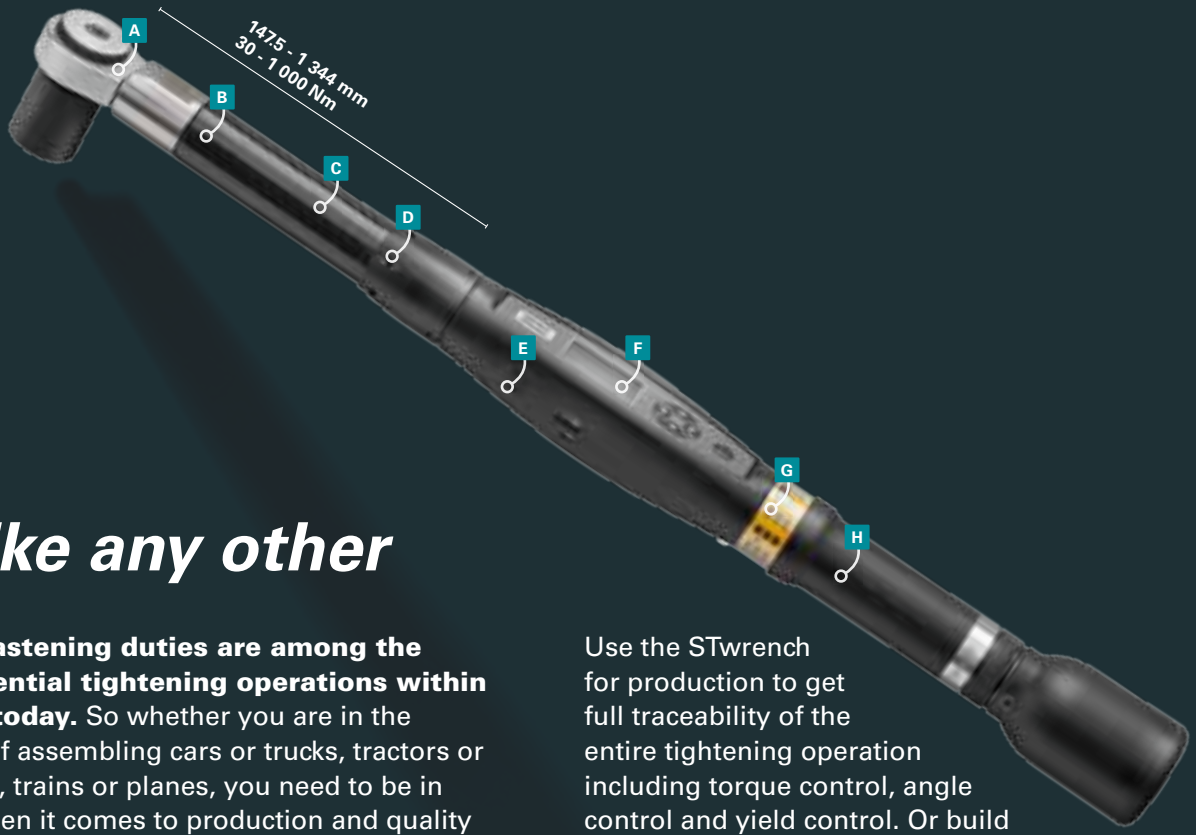
G With a barcode reader connected to the Focus controller, operator scans an ID number and the right job is selected. All tightening data will automatically include the scanned ID number.

H Intuitive “just a few clicks away” interface.

I Production stations can easily implement a real-time feedback in a Live monitor using TT BLM software.

ST Wrench

The ultimate all purpose wrench



Unlike any other

Critical fastening duties are among the most essential tightening operations within industry today. So whether you are in the business of assembling cars or trucks, tractors or harvesters, trains or planes, you need to be in control when it comes to production and quality assurance.

That is where the Atlas Copco STwrench comes in. The STwrench provides a whole new approach to manual assembly applications. Naturally, it provides the accuracy, durability and ergonomics that are the hallmarks of the Atlas Copco product range. But the construction of the tool itself is entirely different.

This is far from your standard transducerized hand-held nutrunner. Unlike any other Atlas Copco tool, you can build the STwrench to meet your exact requirements. Due to its truly modular design, you have the freedom to create a tool that suits your applications perfectly. So you get outstanding Atlas Copco performance, but with greater flexibility than ever before.

Use the STwrench for production to get full traceability of the entire tightening operation including torque control, angle control and yield control. Or build your wrench to just tighten your joint with high torque accuracy.

Use the STwrench for quality control to check residual torque, to perform joint analysis, including joint behaviour and stiffness, to set the correct tightening parameters for production and to test the reproducibility of joint stiffness on the benches.

Build your own STwrench and create the ultimate wrench for your specific requirements.

Residual Torque/Angle Algorithm

The STwrench implements a patented residual torque/angle measurement algorithm to measure the torque left on the joints by the tools in production. The STwrench residual torque/angle algorithm makes the residual torque check operator independent.

Furthermore, as the residual point is detected in real time, buzzer, LEDs and vibration alert the operator to stop, avoiding overtorqueing.

Features

- **A** Interchangeable end fittings with patented recognition technology for PSET selection. Full traceability of various applications.
- **B** Optional advanced electronic gyroscope for precise angle measurement.
- **C** Low clearance compact head to get better accessibility and stability of operation.
- **D** Bright LED headlight in front of the smartHEAD to illuminate dark spaces.
- **E** The communication interfaces are USB or Wi-Fi thanks to the radio module. It is also possible to have communication with Power Focus via Wi-Fi or Bluetooth. Barcode module can be added to improve traceability and automatically start the tests.
- **F** Easy-to-read display that can be read at angles of up to 180°.
- **G** Four signal lights for improved operator feedback visible at 360°. Three special LED signals guide the operator for accurate tightening and measuring control.
- **H** Ergonomic vibrating handle to ensure precise use.

Functionality overview

Functionality overview	Quality		Production	
	smartHEAD	smartHEAD A	smartHEAD	smartHEAD A
Controller				
360° LED lights on board for operator feed back	x	x	x	x
Keyboard	x	x	x	x
Graphic Display	x	x	x	x
USB mini to connect ToolsTalk BLM	x	x	x	x
Infrared communication	x	x	x	x
Buzzer	x	x	x	x
Rapid Back Up Unit (RBU)	x	x	x	x
Vibration	x	x	x	x
Shock detector	x	x	x	x
smartHEAD				
Interchangeable head – Tag recognition	x	x	x	x
Ligth in front of smartHEAD	x	x	x	x
Gyroscope for angle measure-ment		x		x
Length-independent torque transducer	x	x	x	x
Free mode - programs				
Track torque	x	x	x	x
Peak torque	x	x	x	x
Residual check torque/time	x	x	x	x
Residual check torque/angle		x		x
Tightening torque with angle monitoring		x		x
Quality audit				
Peak	x	x	x	x
Residual check torque/time	x	x	x	x
Residual check torque/angle		x		x
Loosen and retighten		x		x
Loosen		x		x
Joint Analysis				
Torque/angle graphing		x		x
Yield point detection		x		x
Tightening				
Torque with time monitoring			x	x
Torque with angle monitoring				x
Torque plus angle				x
Yield				x
Yield plus angle				x
PSET				
Number of Psets	200	200	200	200
Batch count	x	x	x	x
Number of job	100	100	100	100
Number of multistage	200	200	200	200

RBU Rapid Backup unit	Ordering No.
STwrench RBU Quality	8059 0930 90
STwrench RBU Production	8059 0930 91
STwrench RBU Quality API	8059 0930 93
STwrench RBU Production API	8059 0930 92
Battery	
STwrench battery	8059 0930 86
STwrench battery BI	8059 0930 85
STwrench battery HD	8059 0930 83

Functionality overview	Quality		Production	
	smartHEAD	smartHEAD A	smartHEAD	smartHEAD A
CW/CCW operation	x	x	x	x
Bending correction		x		x
Extension torque correction	x	x	x	x
Extension angle correction		x		x
General				
Transducer torque traceability	x	x	x	x
Result data storage	5000	5000	5000	5000
Trace storage	10	10	10	10
SPC	x	x	x	x
Multi units (Nm, Kg/m)	x	x	x	x
Multi language menu	x	x	x	x
Interchangeable head – Tag recognition writing function	x	x	x	x
Connectivity				
PF connectivity for I/O or any type of fieldBus	x	x	x	x
ToolsNet	x	x	x	x
QATnode	x	x	x	x
Optional				
Barcode reader	x	x	x	x
IRC-W	x	x	x	x
IRC-B for Power Focus con-nectivity	x	x	x	x
Cable to Power Focus	x	x	x	x
ToolsTalk BLM				
USB connection	x	x	x	x
Off-line programming	x	x	x	x
Tightening Database to PC (Excel)	x	x	x	x
View trace	x	x	x	x
Export trace in several formats	x	x	x	x
Overlay traces	x	x	x	x
Trace zoom	x	x	x	x
Statictical analysis	x	x	x	x
Bar code reader configuration	x	x	x	x
Accessories				
Battery	x	x	x	x
Battery charger	x	x	x	x

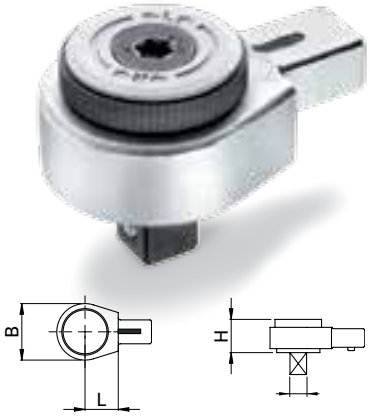
Accessories	Ordering No.
IRC-B Module	8059 0920 10
IRC-W Module	8059 0920 15
Bar Code	8059 0920 12
Battery charger	8059 0930 88
Battery charger adapter BI	8059 0930 89
Cable box	8059 0920 24
QATnode P	8059 0920 25
QATnode I/O	8059 0920 26
QATnodeT	8059 0920 27
Tool holder	8059 0930 70
Controller rubber protection	8059 0930 72
Standard Battery rubber protection	8059 0930 73
30/80 Nm smartHEAD rubber protection	8059 0930 74
150 Nm smartHEAD rubber protection	8059 0930 75
250 Nm smartHEAD rubber protection	8059 0930 76
400 Nm smartHEAD rubber protection	8059 0930 79

Model	Capacity		Drive mm	Weight		Length mm	Ordering No.
	Nm	ft.lb		kg	lb		
Controller							
STwrench Controller				0.48	1.08	313	8059 0930 00
STwrench Controller BI				0.46	1.01	333	8059 0930 01
STwrench Controller HD				1.0	2.11	313	8059 0930 02
smartHEAD only Torque *							
smartHEAD 30	30	23	9x12	0.20	0.44	167.5	8059 0920 30
smartHEAD 80	80	59	9x12	0.22	0.48	167.5	8059 0920 42
smartHEAD 150	150	111	14x18	0.55	1.21	271.0	8059 0920 48
smartHEAD 250	250	185	14x18	0.78	1.72	417.0	8059 0920 54
smartHEAD 400	400	295	14x18	0.93	2.05	584.0	8059 0920 60
smartHEAD 600	600	443	21x26	1.70	3.75	1048.5	8059 0920 66
smartHEAD 1000	1000	737	28	1.90	4.19	1344.0	8059 0920 80
smartHEAD A Torque + Angle*							
smartHEAD A15	15	11	9x12	0.19	0.42	147.5	8059 0930 24
smartHEAD A30	30	23	9x12	0.19	0.42	147.5	8059 0930 31
smartHEAD A80	80	59	9x12	0.20	0.44	147.5	8059 0930 43
smartHEAD A150	150	111	14x18	0.57	1.25	271.0	8059 0930 48
smartHEAD A250	250	185	14x18	0.80	1.76	417.0	8059 0930 54
smartHEAD A400	400	295	14x18	0.95	2.09	584.0	8059 0930 60
smartHEAD A600	600	443	21x26	1.72	3.79	1048.5	8059 0930 66
smartHEAD A800	160 - 800	118 - 590	21x26	1.70	3.75	1048.5	8059 0988 26
smartHEAD A1000	1000	737	28	1.90	4.19	1344.0	8059 0930 80
smartHEAD A Torque + Angle sq							
smartHEAD Asq15	15	11	9x12	0.19	0.42	147.5	8059 0930 28
smartHEAD Asq30	30	23	9x12	0.19	0.42	147.5	8059 0930 32
smartHEAD Asq80	80	59	9x12	0.44	0.44	147.5	8059 0930 44
smartHEAD Asq150	150	111	14x18	0.55	1.21	271.0	8059 0930 50
smartHEAD Asq250	250	185	14.18	0.78	1.72	417.0	8059 0930 56
smartHEAD Asq400	400	295	14x18	0.93	2.05	584.0	8059 0930 62

*End fitting has to be ordered separately, please see Industrial Power Tools Catalogue 9837 3000 01

Standard end fitting tools with TAG

Type	Hex in	B mm	H mm	L mm	g	Ordering No.
Reversible ratchet 9 x 12	1/4	22	14.5	17.5	62	4620 0043 00
	3/8	33	24	17.5	136	4620 0044 00
	1/2	33	28.3	17.5	147	4620 0045 00
Reversible ratchet 14 x 18	1/2	43	26.2	25	302	4620 0081 00*
	3/4	50	30.7	25	467	4620 0082 00
Reversible ratchet 21 x 26	3/4	69	30	62.5	1350	4620 0086 00



The TAG placed on the ratchet defines the Pset. **NOTE:** Since several sockets could be used, it is recommended to hold the socket in such a way that it is not possible to remove it (e.g. using a pin).

* The maximum torque which can be applied with 4620 0081 00 is 300 Nm.

Standard end fitting tools without TAG

Type	Hex in	B mm	H mm	L mm	g	Ordering No.
Reversible ratchet 9 x 12	1/4	22	14.5	17.5	62	8059 0975 42
	3/8	33	24	17.5	136	8059 0975 43
	1/2	33	28.3	17.5	147	8059 0975 44
Reversible ratchet 14 x 18	1/2	43	26.2	25	302	8059 0976 32*
	3/4	50	30.7	25	467	8059 0976 33
Reversible ratchet 21 x 26	3/4	69	30	62.5	1350	8059 0976 38

* The maximum torque which can be applied with 8059 0976 32 is 300 Nm.

Impact
Wrenches

LMS58 HR25

LMS pistol grip impact wrenches have a wide operating range. Equipped with an advanced impact mechanism, LMS will give you powerful tightening and disassembly with negligible reaction force.

The high capacity-to-weight ratio and state-of-the-art impact mechanism also help to minimize operator strain and vibration.

The tools have a Grease Retaining System ensuring optimum tool performance with long service intervals.

LMS18 HR13

LMS38 HR13

Model	Bolt size mm	Square drive size in	Torque range Nm	Max torque Nm	Free speed r/min	Weight kg	Length excl anvil mm	Air con-sump-tion l/s	Rec. hose size mm	Air inlet thread BSP	Retainer			Ordering No.
											Pin	Ring	Through hole	
LMS08 HR10	M6-8	3/8"	7-45	65	14000	0.90	185	2.5	6.3	1/4"	●	-	-	8434 1080 00
LMS08 HR42	M6-8	1/4" [a]	7-35	60	14000	0.9	186	2.5	6.3	1/4"	-	-	-	8434 1080 05
LMS18 HR13	M10	1/2"	10-110	150	8100	1.45	144	8.5	10	1/4"	●	-	-	8434 1180 00
LMS18 HR10	M10	3/8"	10-90	120	8100	1.45	148	6.5	10	1/4"	●	-	-	8434 1180 01
LMS18 HR13/F	M10	1/2"	10-110	150	8100	1.45	144	8.5	10	1/4"	-	●	-	8434 1180 02
LMS18 HR10/F	M10	3/8"	10-90	120	8100	1.45	148	6.5	10	1/4"	-	●	-	8434 1180 03
LMS28 HR13	M12	1/2"	30-210	390	9500	1.85	146	8.5	10	3/8"	●	-	-	8434 1280 00
LMS28 HR13/F	M12	1/2"	30-210	390	9500	1.85	146	8.5	10	3/8"	-	●	-	8434 1280 01
LMS38 HR13	M14-16	1/2"	40-375	850	8000	2.6	167	10	10	3/8"	●	-	-	8434 1380 00
LMS38 HR13/F	M14-16	1/2"	40-375	850	8000	2.6	167	10	10	3/8"	-	●	-	8434 1380 01
LMS48 HR20	M16-18	3/4"	100-550	1375	6500	3.3	173	12	12.5	3/8"	-	-	●	8434 1480 00
LMS58 HR25	M20-22	1"	300-800	1900	5500	4.8	210	14.5	12.5	3/8"	-	-	●	8434 1580 00
LMS58 HR20	M18-20	3/4"	300-800	1900	5500	4.8	210	14.5	12.5	3/8"	-	-	●	8434 1580 01
LMS68 HR25	M22-30	1"	600-1800	4450	5000	9.8	252	28	16	1/2"	-	-	●	8434 1680 01

[a] Female hex quick change chuck

Torque measured from Skidmore with fixed sensors

LMS68 GIR25

LMS straight versions offer superior performance with a maximum torque of 10,000 reaction-free Nm.

The high capacity-to-weight ratio and advanced impact mechanism also help to minimize operator strain and vibration.

The tools have a Grease Retaining System ensuring optimum tool performance with long service intervals.

LMS08 SR10

Model	Bolt size mm	Square drive size in	Torque range Nm	Max torque Nm	Free speed r/min	Weight kg	Length excl anvil mm	Air con-sump-tion l/s	Rec. hose size mm	Air inlet thread BSP	Retainer			Ordering No.
											Pin	Ring	Through hole	
LMS08 SR42	M22-30	1/4" [a]	7-35	60	12500	0.85	185	5,5	6.3	1/4"	-	-	-	8434 1081 06
LMS08 SR10	M22-30	3/8"	7-45	65	12500	0.85	184	5,5	6.3	1/4"	•	-	-	8434 1081 11
LMS68 GIR25	M22-30	1"	600-1800	4450	5000	9.6	339	28	16	1/2"	-	-	•	8434 1680 00
LMS68 GOR25	M22-30	1"	600-1800	4450	5000	9.6	339	28	16	1/2"	-	-	•	8434 1680 02
LMS88 GIR38	M30-42	1 1/2"	1000-5500	10000	3800	15.0	381	33	16	1/2"	-	-	•	8434 1880 00
LMS88 GOR38	M30-42	1 1/2"	1000-5500	10000	3800	15.0	381	33	16	1/2"	-	-	•	8434 1880 01

[a] Female hex. quick change chuck.
GOR = Outside trigger.
GIR = Inside trigger.
Torque measured from Skidmore with fixed sensors

Accessories

Suspension yoke	Ordering No.
LMS18-58	4250 0872 90
LMS68 GIR25/GOR25/HR25	4250 0677 81
LMS88 GIR38/GOR38	0371 1102 00

Service Kits

	Ordering No.
LMS08	4081 0465 90
LMS18	4081 0466 90
LMS28	4081 0467 90
LMS38	4081 0468 90
LMS48	4081 0461 90
LMS58	4081 0445 90
LMS68	4081 0442 90
LMS88	4081 0443 90