

## Power you can depend on

*Atlas Copco impact wrenches are designed to provide dependability and a long, trouble-free service life in the toughest conditions. Few other tools can match the Atlas Copco impact wrench when it comes to flexibility, capacity-to-weight ratio and simplicity in use and maintenance.*

Atlas Copco's powerful, high-speed impact wrenches are designed to cut production times by providing rapid run-down and fast tightening. Impact wrenches build up torque in joints through a series of rotary impacts, where air pressure and tightening time affect the torque obtained. As a general rule, if a wrench impacts longer than 5 seconds on a fastener, a larger wrench should be used in order to achieve better durability.

The LMS models are non shut-off, which means they will shut off once the operator releases the trigger.

### **LMS**

The LMS is a non shut-off impact wrench with extraordinary power to weight qualities and virtually no reaction force during tightening. The torque is applied to the joint, not to your wrist.

These tools are typically used where fast tightening or disassembly is needed and the range covers recommended torque levels between 7-5500 Nm.

### **LMS 8-SERIES**

The new LMS 8-series impact wrenches delivers true raw power and enables extremely fast tightening and loosening.







The innovative and unique Grease Retaining System ensures maximum tool performance with long service intervals.

### **MINIMUM WEAR AND LOW VIBRATIONS**

Each part of the durable LMS8-Series impact mechanism is produced with a very precise accuracy. This allows the maximum amount of energy to be generated in each impact. It also minimizes wear, vibration and strain on the operator.



# Selection Guide

	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M36	M42	M45	M48
Nm	9.8	24	47	81	128	197	275	385	518	665	961	1310	2280	3640	4510	5450
<b>LMS</b>	LMS08	LMS18	LMS18	LMS28	LMS38	LMS38	LMS48	LMS58	LMS58	LMS58	LMS58	LMS68	LMS88	LMS88	LMS88	LMS88
	LMS08	LMS18	LMS28	LMS38	LMS38	LMS48	LMS58	LMS58	LMS58	LMS68	LMS68	LMS68	LMS88	LMS88	LMS88	LMS88
	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M36	M42	M45	
Nm	14	33	65	114	181	277	386	541	728	935	1350	1840	3210	5110	6340	
<b>LMS</b>	LMS08	LMS18	LMS28	LMS28	LMS38	LMS38	LMS48	LMS58	LMS58	LMS58	LMS68	LMS88	LMS88	LMS88	LMS88	
	LMS18	LMS18	LMS28	LMS38	LMS48	LMS48	LMS58	LMS68	LMS68	LMS68	LMS68	LMS88	LMS88	LMS88	LMS88	
	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M36	M42		
Nm	17	40	79	136	217	333	463	649	874	1120	1620	2210	3850	6140		
<b>LMS</b>	LMS08	LMS18	LMS28	LMS28	LMS38	LMS48	LMS58	LMS58	LMS58	LMS68	LMS88	LMS88	LMS88	LMS88		
	LMS18	LMS18	LMS28	LMS38	LMS48	LMS58	LMS68	LMS68	LMS68	LMS68	LMS88	LMS88	LMS88	LMS88		

■ = **HEAVY DUTY**

■ = **EXTRA HEAVY DUTY**

The torque figures are normal tightening torque for untreated oil-smearred and rust-protected bolts and nuts in the most common strength grades. The torque figures correspond to approximately 63% of tensile stress.

## Non Shut-off

## Pistol Grip Models

### LMS MODELS

- Recommended operating range 7-1800 Nm.
- Fast tightening and disassembly.
- Negligible reaction force.
- Low weight.
- High power-to-weight ratio.
- Tightening time should not exceed 5 seconds, to avoid excess wear on the tool.
- Soft-start throttle.
- Long service intervals.
- Durable high performance with Grease Retaining System.



LMS18 HR13



LMS58 HR25

Model	Bolt size mm	Square drive in	Torque range		Max torque		Impacts per min	Free speed r/min	Weight		Length excl. anvil mm	CS dist- ance mm	Air con- sumption under load		Rec. hose size mm	Air inlet thread in	Ordering No.
			Nm	ft lb	Nm	ft lb			kg	lb			l/s	cfm			
LMS08 HR10	6-8	3/8 <sup>c</sup>	7-45	5-33	65	48	1650	14000	0.9	2.0	185	21	2.5	5	6.3	1/4	8434 1080 00
LMS08 HR42	6-8	1/4 <sup>a</sup>	7-35	5-26	60	44	1650	14000	0.9	2.0	186	21	2.5	5	6.3	1/4	8434 1080 05
LMS18 HR13	10	1/2 <sup>c</sup>	10-110	7-81	150	110	1500	8100	1.45	3.2	144	26	8.5	18	10	1/4	8434 1180 00
LMS18 HR10	10	3/8 <sup>c</sup>	10-90	7-66	120	88	1650	8100	1.45	3.2	148	26	6.5	14	10	1/4	8434 1180 01
LMS18 HR13/F	10	1/2 <sup>e</sup>	10-110	7-81	150	110	1500	8100	1.45	3.2	144	26	8.5	18	10	1/4	8434 1180 02
LMS18 HR10/F	10	3/8 <sup>e</sup>	10-90	7-66	120	88	1650	8100	1.45	3.2	148	26	6.5	14	10	1/4	8434 1180 03
LMS28 HR13	12	1/2 <sup>c</sup>	30-210	22-155	390	287	1500	9500	1.85	4.1	146	29	8.5	18	10	3/8	8434 1280 00
LMS28 HR13/F	12	1/2 <sup>e</sup>	30-210	22-155	390	287	1500	9500	1.85	4.1	146	29	8.5	18	10	3/8	8434 1280 01
LMS38 HR13	14-16	1/2 <sup>c</sup>	40-375	29-276	850	627	1350	8000	2.6	5.7	167	29	10	21	10	3/8	8434 1380 00
LMS38 HR13/F	14-16	1/2 <sup>e</sup>	40-375	29-276	850	627	1350	8000	2.6	5.7	167	29	10	21	10	3/8	8434 1380 01
LMS48 HR20	16-18	3/4 <sup>d</sup>	100-550	74-405	1375	1014	1100	6500	3.3	7.3	173	38	12	25.2	12.5	3/8	8434 1480 00
LMS58 HR25	20-22	1 <sup>d</sup>	300-800	221-590	1900	1401	900	5500	4.8	10.6	210	42	14.5	30.5	12.5	3/8	8434 1580 00
LMS58 HR20	18-20	3/4 <sup>d</sup>	300-800	221-590	1900	1401	900	5500	4.8	10.6	210	42	14.5	30.5	12.5	3/8	8434 1580 01
LMS68 HR25	22-30	1 <sup>d</sup>	600-1800	442-1400	4450	3282	780	5000	9.8	21.5	252	55	28	58.9	16	1/2	8434 1680 01
LMS68 HR S5	22-30	1 5/8 <sup>b</sup>	600-1800	442-1400	4450	3282	780	5000	9.8	21.5	252	55	28	58.9	16	1/2	8434 1680 03

<sup>a</sup> Female hex. quick change chuck.

<sup>b</sup> Spline drive No. 5.

<sup>c</sup> Pin retainer

<sup>d</sup> Through hole

<sup>e</sup> Friction ring

## Straight Models

## Non Shut-off

### LMS MODELS

- Recommended operating range 7-5500 Nm.
- Fast tightening and disassembly.
- Negligible reaction force.
- Low weight.
- High power-to-weight ratio.
- Soft-start throttle.
- Tightening time should not exceed 5 seconds, to avoid excess wear on the tool.
- Long service intervals.
- Durable high performance with grease retaining system.



LMS68 GIR25



LMS08 SR10



LMS88 GIR38

Model	Bolt size mm	Square drive in	Torque range		Max torque		Impacts per min	Free speed r/min	Weight		Length excl. anvil mm	CS dist- ance mm	Air con- sumption under load		Rec. hose size mm	Air inlet thread in	Ordering No.
			Nm	ft lb	Nm	ft lb			kg	lb			l/s	cfm			
LMS08 SR42	6-8	1/4 <sup>a</sup>	7-35	5-26	60	44	1650	12500	0.85	1.9	185	20	5.5	9.1	6.3	1/4	8434 1081 06
LMS08 SR10	6-8	3/8 <sup>c</sup>	7-45	5-33	65	48	1650	12500	0.85	1.9	184	20	5.5	9.1	6.3	1/4	8434 1081 11
LMS68 GIR25	22-30	1 <sup>d</sup>	600-1800	442-1400	4450	3282	780	5000	9.6	21.1	339	55	28	58.9	16	1/2	8434 1680 00
LMS68 GOR25	22-30	1 <sup>d</sup>	600-1800	442-1400	4450	3282	780	5000	9.6	21.1	339	55	28	58.9	16	1/2	8434 1680 02
LMS68 GIR S5	22-30	1 5/8 <sup>b</sup>	600-1800	442-1400	4450	3282	780	5000	9.6	21.1	339	55	28	58.9	16	1/2	8434 1680 05
LMS68 GOR S5	22-30	1 5/8 <sup>b</sup>	600-1800	442-1400	4450	3282	780	5000	9.6	21.1	339	55	28	58.9	16	1/2	8434 1680 10
LMS88 GIR38	30-42	1 1/2 <sup>d</sup>	1000-5500	737-4054	10000	7370	540	3800	15.0	33.0	381	63.5	33	69.4	16	1/2	8434 1880 00
LMS88 GOR38	30-42	1 1/2 <sup>d</sup>	1000-5500	737-4054	10000	7370	540	3800	15.0	33.0	381	63.5	33	69.4	16	1/2	8434 1880 01
LMS88 GIR S5	30-42	1 5/8 <sup>b</sup>	1000-5500	737-4054	10000	7370	540	3800	15.0	33.0	381	63.5	33	69.4	16	1/2	8434 1880 05
LMS88 GOR S5	30-42	1 5/8 <sup>b</sup>	1000-5500	737-4054	10000	7370	540	3800	15.0	33.0	381	63.5	33	69.4	16	1/2	8434 1880 10

<sup>a</sup> Female hex. quick change chuck.

<sup>b</sup> Spline drive No. 5.

<sup>c</sup> Pin retainer

<sup>d</sup> Through hole

GOR = Outside trigger.

GIR = Inside trigger.

## Optional Accessories

### MULTIFLEX SWIVEL

Model	Ordering No.
LMS08 HR10/SR10, LMS18 HR10/13	8202 1350 20
LMS18 HR10/13, LMS28/38 HR13, LMS48/58 HR20, LMS58 HR25	8202 1350 22
LMS68 HR25, LMS68/88 GIR, LMS68/88 GOR	8202 1350 24



MultiFlex Swivel

### WHIP HOSE

Model	Hose nipple	Ordering No.
LMS08 HR10/SR10, LMS18 HR10/13	ErgoNIP 10, 1/4"	8202 1180 42
LMS28/38 HR13, LMS48/58 HR20, LMS58 HR25	ErgoNIP 10, 3/8"	8202 1180 44
LMS68 HR25, LMS68/88 GIR, LMS68/88 GOR	ErgoNIP 10, 5/8"	8202 1180 28



Whip hose

### SUSPENSION YOKE

Model	Ordering No.
LMS68 GIR25/GOR25/GIRS5/GORS5/HRS5/HR25	4250 0677 81
LMS88 GIR38/GOR38/GIRS5/GORS5	0371 1102 00

Suspension yoke included LMS08-58

## Productivity Kits

Model	Max air flow	Hose 16.4 ft	Coupling	Lubrication	Ordering No.
<b>For small impact wrenches and pulse tools</b>					
MIDI Optimizer F/RD EP EQ08US-C08	19 cfm	Cablair 08	ErgoQIC 08US	Yes	8202 0850 45
<b>For 1/2" impact wrenches and pulse tools</b>					
MIDI Optimizer F/RD EP EQ10US-C10	34 cfm	Cablair 10	ErgoQIC 10US	Yes	8202 0850 46
<b>For impact wrenches and pulse tools</b>					
MIDI Optimizer F/RD EP EQ10US-C13	50 cfm	Cablair 13	ErgoQIC 10US	Yes	8202 0850 47
MIDI Optimizer F/RD EP EQ10US-T13	65 cfm	Turbo 13	ErgoQIC 10US	Yes	8202 0850 48

**NOTE:** Tool nipple is not included in the Productivity kit and needs to be order separately together with the tool.



## Service Kits

The spare parts included in the service kits cover a normal overhaul of your tool. Always have them available for a fast and economical repair.

Main parts included:

- Gaskets
- O-rings
- Circlips
- Pins etc.

Model	Service kit
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