



Heavy Duty Impact Wrenches

Powerful, compact tools for demanding applications



Atlas Copco's powerful, high-speed impact wrenches are designed to cut production times by providing fast run-downs and quick tightening.

They are built to provide a long, trouble-free service life.

A complete range of tools

Atlas Copco LMS and LTS reversible impact wrenches can handle tough tightening and loosening jobs quickly, with minimum operator fatigue. Torque range 7 – 10 000 Nm to meet every demand. The LMS, non shut-off, range is designed for all-purpose tightening with high availability whenever there is no demand for high torque accuracy. For improved torque accuracy and reduced tightening times, independent of operator influence, the LTS models are ideal.

Designed for the toughest conditions

There is nothing that matches the Atlas Copco impact wrenches when it comes to flexibility, capacity-to-weight ratio and simplicity in use and maintenance. Atlas Copco impact wrenches are your best choice of tools. *Atlas Copco series of impact wrenches are designed for the toughest conditions.*

LMS Non shut-off type

Model	Bolt capacity mm	Square drive size in	Recommended torque range		Max. torque		Impacts per min	Speed r/min	Free weight kg lb	Length excl anvil		Air consumption under load l/s	Ordering No.	
			Nm	ft lb	Nm	ft lb				mm	in			
LMS 06 SR10	6-8	3/8	7-30	5-22	55	40	2100	12500	0.9	2.0	182	7.17	4	8434 1060 12
LMS 06 HR10HD	6-8	3/8	7-30	5-22	55	40	2100	13500	0.9	2.0	184	7.25	4	8434 1060 08
LMS 06 HR42HD	6-8	1/4"	7-30	5-22	55	40	2100	13500	0.9	2.0	184	7.25	4	8434 1060 16
LMS 17 HR-10	10	3/8	10-70	7-52	110	81	1260	10000	1.7	3.8	141	5.55	10	8434 1170 60
LMS 17 HR-13	10	1/2	10-70	7-52	110	81	1260	10000	1.7	3.8	141	5.55	10	8434 1170 29
LMS 27 HR-13	12	1/2	30-180	22-133	220	162	1200	8700	2.1	4.6	142	5.60	10	8434 1270 02*
LMS 27 HR-43	12	7/16"	30-180	22-133	220	162	1200	8700	2.1	4.6	142	5.60	10	8434 1270 77
LMS 37 HR-13	14-16	1/2	40-340	30-251	480	352	1200	7800	2.7	6.0	165	6.50	13	8434 1360 41*
LMS 37 HR-16	14-16	5/8	40-340	30-251	480	352	1200	7800	2.7	6.0	165	6.50	13	8434 1370 01
LMS 37 HR43	14-16	7/16"	40-200	30-147	480	352	1200	7800	2.7	6.0	165	6.50	13	8434 1360 42
LMS 47 HR-20	16-19	3/4	70-460	52-339	550	404	900	4800	3.5	7.7	170	6.70	14	8434 1470 42
LMS 57 HR20	18-20	3/4	100-500	74-369	900	660	960	4500	4.3	9.5	189	7.44	16	8434 1570 09*
LMS 57 HR25	18-22	1	100-650	74-479	900	660	960	4500	4.3	9.5	189	7.44	16	8434 1570 41
LMS 61 HR20	18-20	3/4	300-1300	220-954	1800	1320	900	4000	5.1	11.2	210	8.27	12	8434 1611 00
LMS 61 HR20-ZA1218-20	3/4	300-1300	220-954	1800	1320	900	4000	6.3	13.8	210	8.27	12	8434 1611 05	
LMS 61 HR25	20-24	1	300-1300	220-954	1800	1320	900	4000	5.1	11.2	210	8.27	12	8434 1610 00
LMS 61 HR25-ZA1220-24	1	300-1300	220-954	1800	1320	900	4000	6.3	13.8	210	8.27	12	8434 1610 05	
LMS 61 HR-S4	20-24	No 4 spline	300-1300	220-960	1800	1320	900	4000	5.1	11.2	212	8.27	12	8434 1612 00
LMS 64 HR25	24-32	1	400-1500	295-1106	2300	1700	600	3750	9.0	20.0	195	7.68	21	8434 1640 03
LMS 64 GR25	24-32	1	400-1500	295-1106	2300	1700	600	3750	9.0	20.0	280	11.02	21	8434 1641 02
LMS 64 GR25-ZA1224-32	1	400-1500	295-1106	2300	1700	600	3750	10.1	22.2	280	11.02	21	8434 1642 19	
LMS 64 GR-S5	24-32	No 5 spline	400-1400	295-1030	2300	1700	600	3100	9.0	20.0	280	11.02	21	8434 1641 44
LMS 86 GOR38/B	32-45	1 1/2	1000-5000	737-3688	10000	7400	450	3720	16.4	36.2	376	14.80	29	8434 1860 12
LMS 86 GIR38/B	32-45	1 1/2	1000-5000	737-3688	10000	7400	450	3720	16.4	36.2	376	14.80	29	8434 1860 20
LMS 86 GOR-S5/B	32-45	No 5 spline	1000-5000	740-3690	10000	7400	450	3720	16.4	36.0	376	14.80	29	8434 1860 18
LMS 86 GIR-S5/B	32-45	No 5 spline	1000-5000	740-3690	10000	7400	450	3720	16.4	36.0	376	14.80	29	8434 1860 26

*Female hex.quick change chuck 1 5/8" splines drive GOR=Outside trigger GR/GIR=Inside trigger *Basic tool of the range, cover most needs.
HD= Suitable for soft joints

Air inlet thread (female): LMS 06=1/4", LMS 17/27/37/47/57/61=3/8", LMS 64/86=1/2"

Recommended hose size: LMS 06=6.3 mm (1/4"), LMS 17/27/37/47/57=10 mm (3/8"), LMS 61/64=12.5 mm (1/2"), LMS 86=16 mm (5/8")

Distance centre to side: LMS 06=20 mm (.79"), LMS 17=24 mm (.95"), LMS 27=29 mm (1.14"), LMS 37=33 mm (1.30"), LMS 47=37 mm (1.46"), LMS 57=38 mm (1 1/2"), LMS 61=41 mm, LMS 64=57 (2.24"), LMS 86=63 mm (2.48")

Extended anvil models available on request.

LTS Shut-off type

Model	Bolt capacity mm	Square drive size in	Recommended torque range		Impacts per min	Free speed r/min	Weight		Length excl anvil		Air consumption under load l/s	Ordering No.
			Nm	ft lb			kg	lb	mm	in		
LTS 17 HR10	8-10	3/8	22- 45 ^b	16-33	960	10000	2.0	4.4	214	8.43	6	8434 1172 19
LTS 17 HR13	8-10	1/2	34- 66 ^b	25-49	1100	10000	2.0	4.4	214	8.43	6	8434 1172 01
LTS 27 HR13-1	10-12	1/2	50- 110 ^b	37-81	960	9300	2.6	5.7	226	8.90	6	8434 1272 00
LTS 27 HR13-2	12-14	1/2	70-140 ^b	52-103	1100	9300	2.6	5.7	226	8.90	8	8434 1272 18
LTS 27 HR43	10-14	7/16"	40-165 ^b	29-121	1200	11500	2.5	5.7	164	6.46	8	8434 1272 59
LTS 37 HR13	12-14	1/2	80-340 ^c	59-251	1140	8800	3.7	8.2	200	7.87	10	8434 1372 41
LTS 37 HR16	12-16	5/8	120-340 ^c	88-251	1140	8800	3.7	8.2	220	8.66	10	8434 1372 09
LTS 57 HR20	18-20	3/4	200-500 ^c	147-369	960	8600	5.3	11.7	225	8.86	13	8434 1571 08
LTS 57 HR25	18-22	1	200-650 ^c	147-369	960	4600	5.3	11.7	225	8.86	13	8434 1571 40

^aFemale hex. quick change chuck -1/2" square drive on torsion bar
^bMin torque at 3 bar air pressure and min setting of torque control mechanism
^cMin torque at 4 bar air pressure and min setting of torque control mechanism

Air inlet thread (female): All models=3/8"

Recommended hose size: LTS 17=8 mm (5/16"), LTS 27/37/57=10 mm (3/8")

Distance centre to side: LTS 17=24 mm (.95"), LTS 27=29 mm (1.14"), LTS 37=33 mm (1.30"), LTS 57=38 mm (1 1/2")

Extended anvil models available on request.



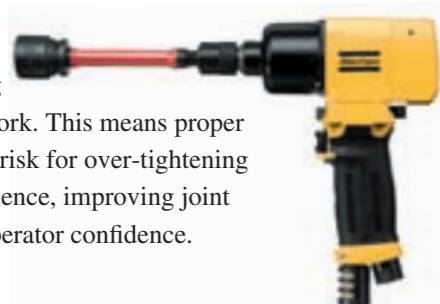
www.atlascopco.com



The best shut-off impacts on the market! Now even wider torque range, up to 650 Nm.

LTS – eliminating the need for guesswork

Equipped with automatic shut-off, the LTS models provide a perfect result, every time! The tools automatically shut off when the preset torque is reached, eliminating the need for guesswork. This means proper tightening with less risk for over-tightening due to operator influence, improving joint quality as well as operator confidence.



LTS shut-off tools offer you:

- Automatic shut-off shortens tightening time
- No over-torquing
- Low weight
- Adjustable torque settings
- Lubrication-free (LTS 17, 27)

Heavy Duty Impact Wrenches – the complete range

LMS 06 HR-HD
Torque range 7–30
(max 55) Nm.
Bolt capacity M6–M8

LMS 06 SR
Torque range 7–30
(max 55) Nm.
Bolt capacity M6–M8

LMS 17 HR
Torque range 10–70
(max 110) Nm.
Bolt capacity M10

LMS 27 HR
Torque range 30–180
(max 220) Nm.
Bolt capacity M12

LMS 37 HR
Torque range 40–340
(max 480) Nm.
Bolt capacity M14–M16

LMS 47 HR
Torque range 70–460
(max 550) Nm.
Bolt capacity M16–M19

LMS 57 HR
Torque range 100–650
(max 900) Nm.
Bolt capacity M18–M22

LMS 61 HR
Torque range 300–1300
(max 1800) Nm.
Bolt capacity M20–M24

LMS 64 GR
Torque range 400–1500
(max 2300) Nm.
Bolt capacity M24–M32

LMS 64 HR
Torque range 400–1500
(max 2300) Nm.
Bolt capacity M24–M32

LMS 86 GIR/B
Torque range 1000–5000
(max 10000) Nm.
Bolt capacity M32–M45

LTS 17 HR
Torque range 22–66 Nm.
Bolt capacity M8–M10

LTS 27 HR 13
Torque range 50–140 Nm.
Bolt capacity M10–M14

LTS 27 HR 43
Torque range 40–165 Nm.
Bolt capacity M10–M14

LTS 37 HR
Torque range 80–340 Nm.
Bolt capacity M12–M16

LTS 57 HR
Torque range 200–650 Nm.
Bolt capacity M18–M22

LMS 61 EX

Our LMS 61 and 64 are available in explosion proofcertified versions, in compliance with the European Union's ATEX Directive on equipment for potentially explosive environments.

LMS 64 EX



The LMS 61 – enormous power in compact design!

LMS 61 – the ultimate in power

The LMS 61 is one of the most powerful impact wrenches in its size on the market. There is enormous power, yet you are in full control, and there is virtually no reaction force during tightening. The torque is applied to the joint, not the wrist. It has been designed with durability, dependability and low operator fatigue in mind.



Compact design and easy operation

Minimum side to centre distance and small height provides excellent accessibility for close quarter operation. Small hand to point of mass distance also enables easy use of the tool in different operating positions, which gives benefits such as a minimum of force on the operator's wrist.

Inside the LMS 61

The LMS 61 combines a powerful air motor with an enhanced single-hammer impact mechanism. This unique combination of

motor and impact mechanism provides extremely high torque and fast tightening, which results in an astounding maximum torque output of 1800 Nm.

LMS non shut-off tools offer you:

- Fast tightening and disassembly
- Negligible reaction force
- Wide torque range (7 – 10 000 Nm)
- Low weight
- Lubrication-free (LMS 17, 27)

LTS 7 series – the best shut-off impacts on the market!

LTS – when you need to be in full control

Place the tool on the joint to be fastened and press the trigger. The tool will automatically shut-off at predetermined torque level, which provides for an operator independent tightening.

Selection Guide – Heavy Duty Impact Wrenches

	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M36	M42	M45	M48
8.8																
Nm	9.8	24	47	81	128	197	275	385	518	665	961	1310	2280	3640	4510	5410
LMS	LMS 06	LMS 17	LMS 27	LMS 37	LMS 37	LMS 47	LMS 47	LMS 57	LMS 61	LMS 61	LMS 61	LMS 64	LMS 86	LMS 86	LMS 86	LMS 86
LTS		LTS 17	LTS 17	LTS 27	LTS 27	LTS 37	LTS 37	LTS 57	LTS 57	LTS 57	LTS 57					
10.9																
Nm	14	33	65	114	181	277	386	541	728	935	1350	1840	3210	5110	6340	7660
LMS	LMS 06	LMS 17	LMS 27	LMS 27	LMS 37	LMS 37	LMS 47	LMS 57	LMS 61	LMS 61	LMS 64	LMS 86	LMS 86	LMS 86	LMS 86	LMS 86
LTS		LTS 17	LTS 27	LTS 27	LTS 37	LTS 37	LTS 57	LTS 57	LTS 57	LTS 57						
12.9																
Nm	17	40	79	136	217	333	463	649	874	1120	1620	2210	3850	6140	7610	9190
LMS	LMS 06	LMS 17	LMS 27	LMS 27	LMS 37	LMS 47	LMS 57	LMS 61	LMS 61	LMS 64	LMS 86	LMS 86	LMS 86	LMS 86	LMS 86	LMS 86
LTS		LTS 17	LTS 27	LTS 27	LTS 37	LTS 37	LTS 57	LTS 57	LTS 57	LTS 57						

 = Heavy duty
 = Extra heavy duty

Extend the application range – use quality accessories

Four-position power regulator for different application requirements.

Suspension yokes for flexible suspension in different working situations.

Piped-away exhaust kit to further redirect air in highly sensitive environments.

Protective cover. Using protective covers minimises the risk of damaging the products being assembled as well as the tool. The covers fit tight on the tools to ensure good accessibility.

Support handle for LMS 61 which can be rotated a full 360° to maintain the good accessibility and flexibility of the tool.

Power sockets in every size and for every application are available from stock.

Service

Atlas Copco impacts are among the easiest tools to service. Few parts and easy disassembling contribute to quick and economical servicing. Selected service kits are available from stock and include spare parts needed for normal overhaul of the tool.

