

LTP 61 Shut-off Nutrunner

Not only accurate, but also very fast



Atlas Copco

LTP 61 – accurate, fast and ergonomic

Increase tightening accuracy

With automatic shut-off you get a high level of tightening precision, even in soft joints. This helps increase productivity since the operator gets a clear shut-off signal when tightening is completed.

Boost productivity

Unique twin-motor drive: one for high speed rundown, the other for high precision tightening.

Now easier to run in reverse

Unlike its predecessor, the LTP 61 runs in reverse and stays in reverse until you change the setting. Thanks to a new mode selection, you can now hold the tool with just one hand, whatever direction you run the machine.

Optimized S-Bar

A blank reaction bar has to be bent, cut or welded. The S-Bar has been optimized for use in 70-80 percent of all applications straight out of the box.

Single-handed operation

Because the LTP 61 is light, compact and well-balanced, it can be used with just one hand.

One reaction bar, dozens of jobs

The Multi-Point Reaction Bar features a sliding bracket that gives you a number of different reaction points for different applications.

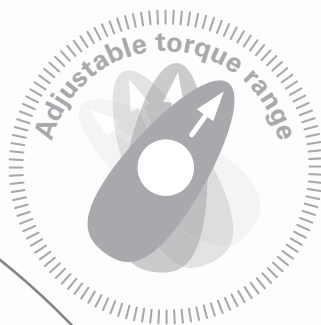
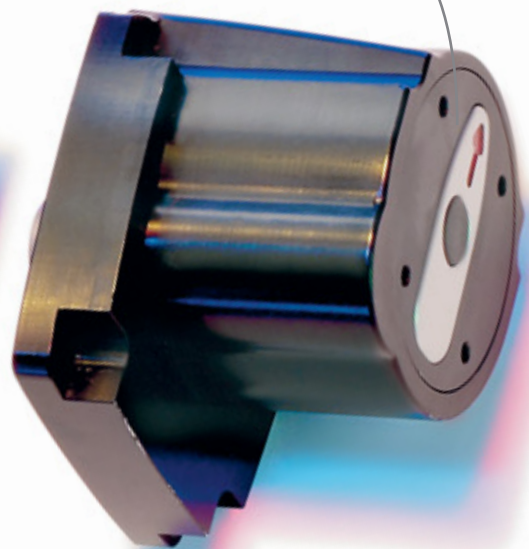


Twice as fast as the LTP 51

Thanks to the new motors, the rundown speed has been doubled in comparison with its predecessor.

Multi-torque for multi-tasking

With this easy-to-mount selector, you transform one nutrunner into four. The Multi-Torque Selector allows you to preset four different torque levels per tool.



From 60-4 000 Nm

With a range consisting of 11 different tool sizes, there is an LTP 61 to suit your needs. The smallest model weighs just 2.6 kg and delivers 60 Nm, while the largest supplies 4 000 Nm. Stall versions, designated LMP 61, are also available.

Virtually silent and vibration-free

Shut-off nutrunners generate no process noise. And by building up torque continuously, they are much quieter than impact wrenches.

The twin motor in the 61 series gives faster production and increased accuracy with a minimum of air consumption. Torque level on LMP models depends on the pressure of the air fed to the tool, higher pressure creates higher torque.

- High torque accuracy.
- Swiveling function makes tool positioning easy.
- Fast rundown motor saves time.
- Extremely good torque output to weight ratio compared to single motor pistol grip nutrunners.
- Available as both reversible and non-reversible models.



Model	Bolt size mm	Square drive in	Max torque at 6.3 bar		Min torque at 3 bar		Free speed r/min	Weight ^a		Length mm	CS distance mm	Air consumption at free speed		Air inlet thread in	Spline type	Ordering No.
			Nm	ft lb	Nm	ft lb		kg	lb			l/s	cfm			
Non-reversible																
LMP24 H011-10	M6	3/8	13	10	6	4	1550	1.0	2.2	210	18	11	23	1/4	1	8431 0245 56
LMP24 H005-10	M8	3/8	30	22	14	10	500	1.0	2.2	210	18	11	23	1/4	1	8431 0245 49
LMP24 H003-13	M8	1/2	40	30	14	10	330	1.2	2.6	210	18	11	23	1/4	1	8431 0245 64
LMP24 H002-13	M10	1/2	58	43	27	20	240	1.3	2.9	230	21	11	23	1/4	2	8431 0245 31
LMP61 H100-13	M12	1/2	100	75	60	45	2200	3.0	6.6	223	29	20	42	3/8	3	8431 0803 05
LMP61 H170-13	M14	1/2	170	125	100	75	1400	3.0	6.6	223	29	20	42	3/8	3	8431 0803 12
LMP61 H230-19	M16	3/4	230	170	130	95	1000	3.0	6.6	223	29	20	42	3/8	3	8431 0803 19
LMP61 H350-20	M18	3/4	350	260	200	145	650	3.9	8.6	260	31	20	42	3/8	4	8431 0803 26
LMP61 H500-20	M20	3/4	500	370	300	220	450	3.9	8.6	260	31	20	42	3/8	4	8431 0803 33
LMP61 H700-25	M22	1	700	520	400	295	350	4.5	9.9	305	34	20	42	3/8	5	8431 0803 40
LMP61 H900-25	M24	1	900	665	500	365	260	4.5	9.9	282	34	20	42	3/8	5	8431 0803 47
LMP61 H1500-25	M30	1	1600	1180	900	660	140	6.8	14.9	323	42	20	42	3/8	9	8431 0803 54
LMP61 H1900-38	M30	1 1/2	2000	1475	1100	810	120	14.1	31	380	68	20	42	3/8	8	8431 0803 61
LMP61 H2800-38	M36	1 1/2	3000	2210	1600	1180	80	14.1	31	380	68	20	42	3/8	8	8431 0803 68
LMP61 H3800-38	M42	1 1/2	4000	2950	2200	1620	60	14.1	31	380	68	20	42	3/8	8	8431 0803 75
Reversible																
LMP24 HR011-10	M6	3/8	10	7	5	4	860	1.0	2.2	210	18	11	23	1/4	1	8431 0245 85
LMP24 HR005-10	M8	3/8	22	16	10	7	380	1.0	2.2	210	18	11	23	1/4	1	8431 0245 77
LMP24 HR003-13	M8	1/2	30	22	14	10	250	1.2	2.6	210	18	11	23	1/4	1	8431 0245 91
LMP24 HR002-13	M10	1/2	40	33	20	15	180	1.3	2.9	230	21	11	23	1/4	2	8431 0245 70
LMP61 HR100-13	M12	1/2	100	75	60	45	2200	3.0	6.6	235	30	20	42	3/8	3	8431 0804 04
LMP61 HR170-13	M14	1/2	170	125	100	75	1400	3.0	6.6	238	30	20	42	3/8	3	8431 0804 11
LMP61 HR230-19	M16	3/4	230	170	130	95	1000	3.0	6.6	275	34	20	42	3/8	3	8431 0804 18
LMP61 HR350-20	M18	3/4	350	260	200	145	650	3.9	8.6	275	34	20	42	3/8	4	8431 0804 25
LMP61 HR500-20	M20	3/4	500	370	300	220	450	3.9	8.6	320	35	21	42	3/8	4	8431 0804 32
LMP61 HR700-25	M22	1	700	520	400	295	350	4.5	9.9	305	34	20	42	3/8	5	8431 0804 39
LMP61 HR900-25	M24	1	900	665	500	365	260	4.5	9.9	305	34	20	42	3/8	5	8431 0804 46
LMP61 HR1500-25	M30	1	1600	1180	900	660	140	6.8	14.9	345	42	20	42	3/8	9	8431 0804 53
LMP61 HR1900-38	M30	1 1/2	2000	1475	1100	810	120	14.1	31	380	68	20	42	3/8	8	8431 0804 60
LMP61 HR2800-38	M36	1 1/2	3000	2210	1600	1180	80	14.1	31	380	68	20	42	3/8	8	8431 0804 67
LMP61 HR3800-38	M42	1 1/2	4000	2950	2200	1620	60	14.1	31	380	68	20	42	3/8	8	8431 0804 74

^a Weight excluding reaction bar.

Recommended hose size 13 mm for hose length up to 5 m.

- LTP61 models are equipped with twin motors and a shut-off valve to ensure that the tool shuts off when the preset torque level is reached.
- Rundown is twice as fast as the LTP51.
- High torque accuracy, non depending on air pressure feeded.
- Extremely high torque output to weight ratio.
- A reversible tool with fixed positions for both forward and reverse.



LTP61 H900-25

Model	Bolt size mm	Square drive in	Torque range at 6.3 bar		Min torque at 3 bar		Free speed r/min	Weight ^a		Length mm	CS distance mm	Air consumption at free speed		Air inlet thread in	Spline type	Ordering No.
			Nm	ft lb	Nm	ft lb		kg	lb			l/s	cfm			
Non reversible																
LTP61 H100-13	M12	1/2	55 - 100	40- 75	45	35	1800	3.0	6.6	223	29	20	42	3/8	3	8431 0800 07
LTP61 H170-13	M14	1/2	95 - 170	70- 125	70	50	1100	3.0	6.6	223	29	20	42	3/8	3	8431 0800 14
LTP61 H230-19	M16	3/4	125 - 230	90- 170	85	60	820	3.0	6.6	223	29	20	42	3/8	3	8431 0800 21
LTP61 H350-20	M18	3/4	190 - 350	140- 255	145	105	520	3.9	8.6	260	31	20	42	3/8	4	8431 0800 28
LTP61 H500-20	M20	3/4	275 - 500	200- 370	220	160	360	3.9	8.6	260	31	20	42	3/8	4	8431 0800 35
LTP61 H700-25	M22	1	360 - 650	265- 480	280	207	280	4.5	9.9	305	34	20	42	3/8	5	8431 0800 42
LTP61 H900-25	M24	1	480 - 870	350- 640	300	220	210	4.5	9.9	282	32	20	42	3/8	5	8431 0800 49
LTP61 H1500-25	M30	1	850 - 1500	625- 1100	700	516	115	6.8	14.5	323	42	20	42	3/8	9	8431 0800 56
LTP61 H1900-38	M30	1 1/2	1050 - 1900	770-1400	800	590	90	14.1	31.0	380	68	20	42	3/8	8	8431 0800 63
LTP61 H2800-38	M36	1 1/2	1550 - 2800	1140-2060	1200	885	65	14.1	31.0	380	68	20	42	3/8	8	8431 0800 70
LTP61 H3800-38	M42	1 1/2	2100 - 3800	1540-2800	1600	1180	50	14.1	31.0	380	68	20	42	3/8	8	8431 0800 77
Reversible																
LTP61 HR100-13	M12	1/2	55 - 100	40- 75	45	35	1800	3.0	6.6	235	30	20	42	3/8	3	8431 0801 08
LTP61 HR170-13	M14	1/2	95 - 170	70- 125	70	50	1100	3.0	6.6	238	30	20	42	3/8	3	8431 0801 15
LTP61 HR230-19	M16	3/4	125 - 230	90- 170	85	60	820	3.0	6.6	275	34	20	42	3/8	3	8431 0801 22
LTP61 HR350-20	M18	3/4	190 - 350	140- 255	145	105	520	3.9	8.6	275	34	20	42	3/8	4	8431 0801 29
LTP61 HR500-20	M20	3/4	275 - 500	200- 370	220	160	360	3.9	8.6	275	34	20	42	3/8	4	8431 0801 36
LTP61 HR700-25	M22	1	360 - 650	265- 480	280	207	280	4.5	9.9	305	34	20	42	3/8	5	8431 0801 43
LTP61 HR900-25	M24	1	480 - 870	350- 640	300	220	210	4.5	9.9	305	34	20	42	3/8	5	8431 0801 50
LTP61 HR1500-25	M30	1	850 - 1500	625- 1100	700	516	115	6.8	14.5	345	42	20	42	3/8	9	8431 0801 57
LTP61 HR1900-38	M30	1 1/2	1050 - 1900	770-1400	800	590	90	14.1	31.0	380	68	20	42	3/8	8	8431 0801 64
LTP61 HR2800-38	M36	1 1/2	1550 - 2800	1140-2060	1200	885	65	14.1	31.0	380	68	20	42	3/8	8	8431 0801 71
LTP61 HR3800-38	M42	1 1/2	2100 - 3800	1540-2800	1600	1180	50	14.1	31.0	380	68	20	42	3/8	8	8431 0801 78

^a Without reaction bar.

Recommended hose size: 13 mm

Change over torque is around 4% of maximum torque on a given air pressure.

For prevailing applications

- LTP61 PH is specially designed to handle prevailing applications, such as locking nuts.
- Special gear gives a higher change-over torque.
- Fast rundown motor handles most of the rundown before the slower but stronger tightening motor is used.



Model	Bolt size mm	Square drive in	Torque range at 6.3 bar				Min torque at 3 bar		Free speed r/min	Weight ^a		Length mm	CS distance mm	Air consumption at free speed		Air inlet thread in	Spline type	Ordering No.
			Nm	ft lb	Nm	ft lb	kg	lb		l/s	cfm							
Non-reversible																		
LTP61 PH100-13	M12	1/2	60-	110	45-	80	45	33	700	3.0	6.6	223	34	20	42	3/8	3	8431 0807 04
LTP61 PH170-13	M14	1/2	100-	180	75-	135	70	52	440	3.0	6.6	223	34	20	42	3/8	3	8431 0807 12
LTP61 PH230-19	M16	3/4	130-	240	95-	180	90	66	320	3.0	6.6	223	34	20	42	3/8	3	8431 0807 17
LTP61 PH350-20	M18	3/4	210-	370	155-	275	150	110	200	3.9	8.6	260	34	20	42	3/8	4	8431 0807 24
LTP61 PH500-20	M20	3/4	300-	520	220-	380	200	150	140	3.9	8.6	260	34	20	42	3/8	4	8431 0807 31
LTP61 PH700-25	M22	1	400-	680	295-	500	280	205	100	4.5	9.9	305	34	20	42	3/8	5	8431 0807 38
LTP61 PH900-25	M24	1	500-	900	370-	665	350	260	80	4.5	9.9	282	34	20	42	3/8	5	8431 0807 41
LTP61 PH1500-25	M30	1	900-	1600	665-	1180	650	480	45	6.8	14.9	323	42	20	42	3/8	9	8431 0807 52
Reversible																		
LTP61 PHR700-25	M22	1	400-	680	295-	500	280	205	100	4.5	9.9	305	34	20	42	3/8	5	8431 0807 55
LTP61 PHR900-25	M24	1	500-	900	370-	665	350	260	80	4.5	9.9	305	34	20	42	3/8	5	8431 0807 62
LTP61 PHR1500-25	M30	1	900-	1600	665-	1180	650	480	45	6.8	14.9	345	42	20	42	3/8	9	8431 0807 68
Reversible with Multi Torque unit																		
LTP61 PHR700-25-MT	M22	1	400-	680	295-	500	280	205	100	4.8	10.6	305	34	20	42	3/8	5	8431 0807 77
LTP61 PHR900-25-MT	M24	1	500-	900	370-	665	350	260	80	4.8	10.6	305	34	20	42	3/8	5	8431 0807 81

^a Without reaction bar.

Recommended hose size 13 mm for hose length up to 5 m and 16 mm hose size for length 5-10 m.

Change over torque is around 10% of maximum torque on a given air pressure.

LTP with Multi Torque Selector

- The Multi Torque Selector makes it possible to preset up to four different shut-off levels.
- The Rotary dial mounted on the tool allows the operator to select different torque levels without changing the tool.
- Ideal for situations where:
 - Several different assembly operations take place.
 - Multi-stage tightening operations are required.
 - Several different torque settings are needed.
- Reverse function that has fixed positions for both forward and reverse.



LTP61 HR900-25-MT

Model	Bolt size mm	Square drive in	Torque range at 6.3 bar		Min torque at 3 bar		Free speed r/min	Weight ^a		Length mm	CS distance mm	Air consumption at free speed		Air inlet thread in	Spline type	Ordering No.
			Nm	ft lb	Nm	ft lb		kg	lb			l/s	cfm			
LTP61 HR100-13-MT	M12	1/2	55 - 100	40 - 75	45	35	1800	3.3	7.3	288	30	20	42	3/8	3	8431 0806 02
LTP61 HR170-13-MT	M14	1/2	95 - 170	70 - 125	70	50	1100	3.3	7.3	288	30	20	42	3/8	3	8431 0806 09
LTP61 HR230-19-MT	M16	3/4	125 - 230	90 - 170	85	60	820	3.3	7.3	288	34	20	42	3/8	3	8431 0806 16
LTP61 HR350-20-MT	M18	3/4	190 - 350	140 - 255	145	105	520	4.2	9.2	325	34	20	42	3/8	4	8431 0806 23
LTP61 HR500-20-MT	M20	3/4	275 - 500	200 - 370	220	160	360	4.2	9.2	325	34	20	42	3/8	4	8431 0806 30
LTP61 HR700-25-MT	M22	1	360 - 650	265 - 480	280	207	280	4.8	10.6	355	34	20	42	3/8	5	8431 0806 33
LTP61 HR900-25-MT	M24	1	480 - 870	350 - 640	300	220	210	4.8	10.6	355	34	20	42	3/8	5	8431 0806 37
LTP61 HR1500-25-MT	M30	1	850 - 1500	625 - 1100	700	516	115	7.1	15.6	395	42	20	42	3/8	9	8431 0806 44
LTP61 HR1900-38-MT	M30	1 1/2	1050 - 1900	770 - 1400	800	590	90	14.4	31.7	430	68	20	42	3/8	8	8431 0806 51
LTP61 HR2800-38-MT	M36	1 1/2	1550 - 2800	1140 - 2060	1200	885	65	14.4	31.7	430	68	20	42	3/8	8	8431 0806 58
LTP61 HR3800-38-MT	M42	1 1/2	2100 - 3800	1540 - 2800	1600	1180	50	14.4	31.7	430	68	20	42	3/8	8	8431 0806 65

^a Without reaction bar.

Recommended hose size: 13 mm.

Change over torque is around 4% of maximum torque on a given air pressure.