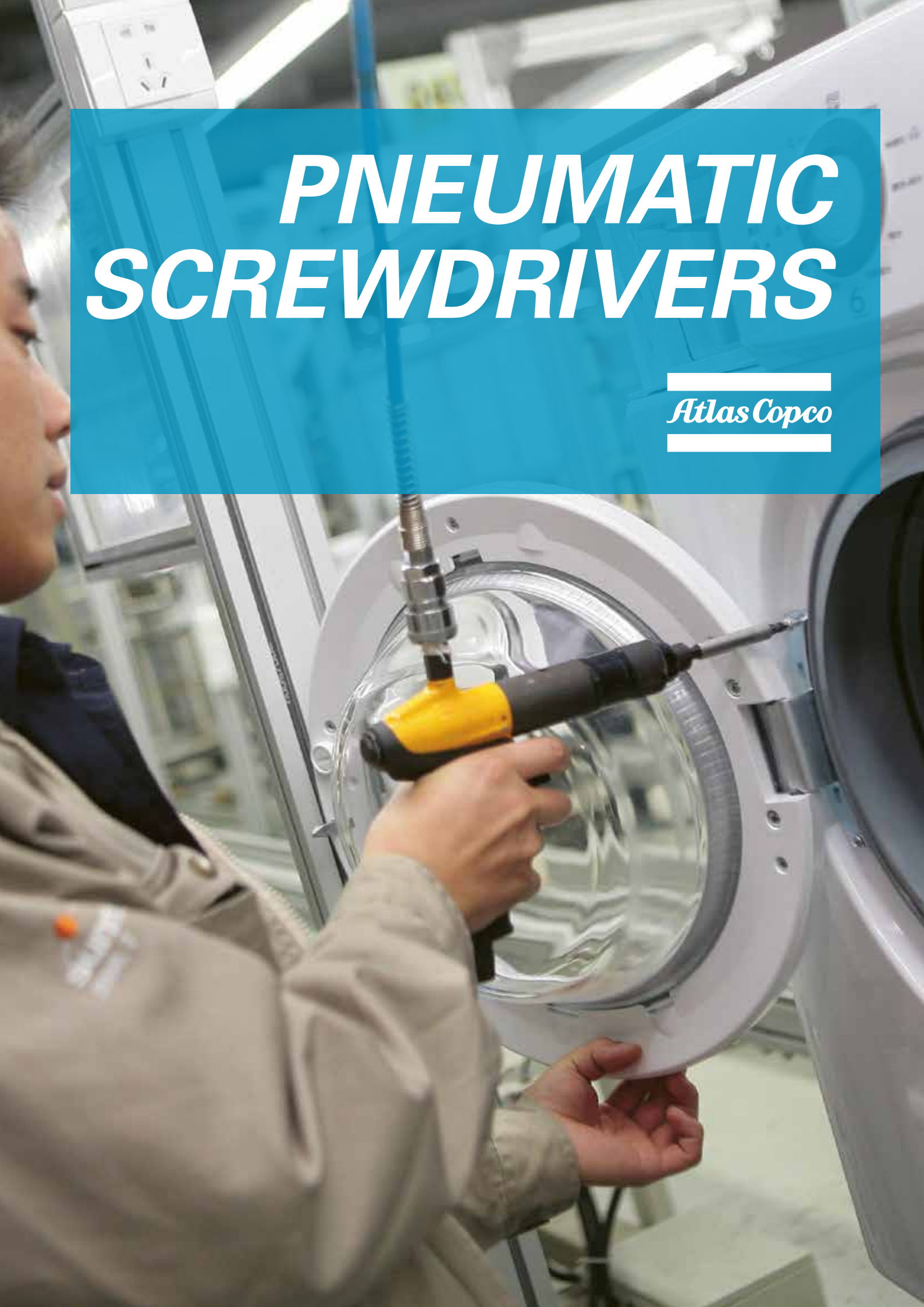


# ***PNEUMATIC SCREWDRIVERS***

*Atlas Copco*



# Introduction – Pneumatic Screwdrivers

## High accuracy, good ergonomics

*Atlas Copco pneumatic screwdrivers bring accuracy and good ergonomics into the production process, while offering robust, reliable designs. The range includes models to fit any low torque application. The tools are available in pistol grip, angle and straight configurations with drive types spanning a wide range of speeds and torques.*

In this range of pneumatic screwdrivers, the proven and patented Atlas Copco clutch design gives high torque accuracy and repeatable results over time. All screwdrivers are lightweight, with optimum non-slip grip and handle design for operator comfort. A fast shut-off clutch give minimum reaction impulse, thus reducing operator strain. All Atlas Copco screwdrivers can be used as lubrication-free.

### **A COMPLETE RANGE**

Our pneumatic screwdrivers are available in pistol grip, angle and straight configurations. The LUM, TWIST, LUF and LUD models are pistol grip and straight tools, and the LTV is an angle tool.

### **SHUT-OFF TYPE SCREWDRIVERS**

LUM and LTV models have a fast and accurate shut-off clutch for smooth performance and high quality tightening. They are suitable for joints with demands on torque accuracy, providing accurate tightening time-after-time, independent of variations in joint stiffness. Electro Static Discharge (ESD) approved models and RE models are available in this range. RE models enable a signal to be received from the tool, in order to control batch count. All RE models need to be combined with an external RE control system. Shut-off tools are the best choice for machine screws, thread-rolling screws and thread-forming screws for plastic.

### **SLIP CLUTCH TYPE SCREWDRIVERS**

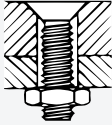
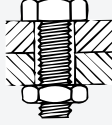
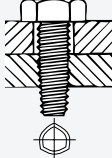


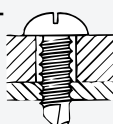
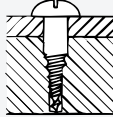
TWIST and LUF HR screwdrivers have a slip clutch that applies a pulsating force when the torque level is reached. These tools are suitable where the torque level may temporarily rise during the rundown phase, for instance when using sheet metal screws, wood screws or self-tapping screws.

### **DIRECT DRIVE TYPE SCREWDRIVERS**

LUD and LUF HRD are direct drive screwdrivers that stall when final torque is reached. The torque level is adjusted by regulating the air pressure. LUD and LUF HRD are mainly used for self-drilling and wood screws.



# Selection Guide

SCREW TYPE	SCREWDRIVER										
	Ø Screw size	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6		
<b>Machine screw 4.8</b> Property class 4.8 normal for cross recessed and slotted screws 	Torque Nm/in lb	0.09/0.8	0.2/1.8	0.4/3.5	0.6/5.3	1.0/8.8	1.4/12.4	2.9/25.7	4.9/43.4		
	Recommended tool	LUM10		LUM12			LUM22		LTV009		LTV19 LUM32
	<b>Machine screw 8.8</b> Property class 8.8 normal for hexagon, Allen head and Torx®. Locking nut with plastic insert, increase torque 10%, mechanical-lock nut, increase torque 20% 	Torque Nm/in lb	0.2/1.8	0.4/3.5	0.7/6.2	1.2/10.6	1.9/16.8	2.9/25.7	4.3/38.1	5.7/50.4	9.8/86.7
Recommended tool		LUM10			LUM12		LUM22		LTV009		LTV19 LUM32
<b>Thread rolling screw-M</b> Property class between 8.8 and 10.9 due to case hardening. Taptite® and Swageform are examples 		Torque Nm/in lb		0.5/4.4		1.4/12.4		3.2/28.3	6.5/57.5	11.0/97.3	
	Recommended tool	LUM10		LUM12			LUM22		LTV009		LTV19 LUM32
	<b>Thread forming screw-ST</b> 	Torque Nm/in lb	0.3/2.7	1.0/8.8	1.8/15.9	2.9/25.7	4.2/37.2	6.7/59.3	9.1/80.5		
Recommended tool		TWIST12/22		LUF34							
<b>Thread forming screw-ST for plastic</b> 		Torque Nm/in lb	0.3/2.7	1.0/8.8	1.8/15.9	2.9/25.7	4.2/37.2	6.7/59.3	9.1/80.5		
	Recommended tool	LUM10		LUM12			LUM22		LTV009		LTV19 LUM32
	<b>Self drilling screw-ST</b> 	Torque Nm/in lb	0.3/2.7	1.0/8.8	1.8/15.9	2.9/25.7	4.2/37.2	6.7/59.3	9.1/80.5		
Recommended tool		TWIST12			LUD		LUF34				
<b>Wood screw</b> 		Torque Nm/in lb		1.5/13.3	3/26.5	5/44.2	7.5/66.4		12/106.2		
	Recommended tool	LUD12/22		TWIST12/22			LUF34				

■ Shut-off clutch   
 ■ Slip clutch   
 ■ Direct drive

\* With optional coupling-ring.  
 ⚙ With optional spring.

Ordering No. 4210 2316 01  
 Ordering No. 4210 1831 00

# Shut-off

The LUM pistol grip range comes in several different configurations:

- HR: Model with traditional-grip can be used with high grip when feed force is needed or with low grip for minimal reaction force.
- HRX: Model with balanced grip perfectly balanced for standard pistol grip applications.
- HRF: Balanced grip with multiple air inlets for flexible connection.
- The LUM32 model has the highest force to weight ratio amongst the pneumatic screwdrivers. It is also a tool with low reaction force and fast shut-off because of the position of the clutch.

RE reporting models are available, designated with suffix –RE.

# Pistol Grip Models



Model	Torque range soft joint		Free speed r/min	Weight		Length mm	CS distance mm	Air consumption at free speed		Rec. hose size mm	Air inlet thread in	Ordering No.
	Nm	in lb		kg	lb			l/s	cfm			
<b>With trigger start</b>												
LUM22 HR3	0.6-3	5.3-26.5	2200	0.85	1.9	186	18	7.5	16	8	1/4	8431 0269 00
LUM22 HR4	0.6-4	5.3-35.4	1650	0.85	1.9	186	18	7.5	16	8	1/4	8431 0269 02
LUM22 HR4-RE	0.6-4	5.3-35.4	1650	0.85	1.9	186	18	7.5	16	8	1/4	8431 0278 65
LUM22 HR6	1.5-6.5	13.3-57.5	1150	0.85	1.9	186	18	7.5	16	8	1/4	8431 0269 01
LUM22 HR6-RE	1.5-6.5	13.3-57.5	1150	0.85	1.9	186	18	7.5	16	8	1/4	8431 0278 64
LUM22 HR10	3.5-10	31-88.5	750	1	2.2	218	18	7.5	16	10	1/4	8431 0269 03
LUM22 HR10-RE	3.5-10	31-88.5	750	1	2.2	218	18	7.5	16	10	1/4	8431 0278 66
LUM22 HR12	3.5-12.5	31-110.6	500	1	2.2	210	18	7.5	16	10	1/4	8431 0269 04
LUM22 HR12-RE	3.5-12.5	31-110.6	500	1	2.2	210	18	7.5	16	10	1/4	8431 0278 67
LUM22 HR12-370	3.5-12.5	31-110.6	370	1	2.2	210	18	7.5	16	10	1/4	8431 0269 05
LUM32 HR10	5-10	44.2-88.5	750	0.72	1.6	183	18.5	7.5	16	10	1/4	8431 0269 90
LUM32 HR15	7.5-15.5	66-137.2	450	0.72	1.6	183	18.5	7.5	16	10	1/4	8431 0269 91
<b>With trigger and push start</b>												
LUM22 HR3-P	0.6-3	5.3-26.5	2200	0.85	1.9	186	21	7.5	16	8	1/4	8431 0269 06
LUM22 HR4-P	0.6-4	5.3-35.4	1650	0.85	1.9	186	21	7.5	16	8	1/4	8431 0269 08
LUM22 HR6-P	1.5-6.5	13.3-57.5	1150	0.85	1.9	186	21	7.5	16	8	1/4	8431 0269 07
LUM22 HR10-P	3.5-10	31-88.5	750	1	2.2	218	21	7.5	16	10	1/4	8431 0269 09
LUM22 HR12-P	3.5-12.5	31-110.6	500	1	2.2	210	21	7.5	16	10	1/4	8431 0269 10
LUM22 HR12-370-P	3.5-12.5	31-110.6	370	1	2.2	210	21	7.5	16	10	1/4	8431 0269 11

Continued....



# Shut-off

# Pistol Grip Models

Model	Torque range soft joint		Free speed r/min	Weight		Length mm	CS distance mm	Air consumption at free speed		Rec. hose size mm	Air inlet thread in	Ordering No.
	Nm	in lb		kg	lb			l/s	cfm			
<b>Balanced grip models with trigger start</b>												
LUM12 HRX1	0.6-1.8	5.3-15.9	2300	0.65	1.4	176	15	6	13	6	1/8	8431 0278 58
LUM12 HRX2	0.6-2.5	5.3-22.1	1650	0.65	1.4	176	16	6	13	6	1/8	8431 0278 56
LUM12 HRX3	0.4-3.5	5.3-31.9	1150	0.7	1.5	186	16	6	13	6	1/8	8431 0278 54
LUM12 HRX3-RE	0.4-3.5	3.5-31.9	1150	0.7	1.5	186	16	6	13	6	1/8	8431 0278 55
LUM12 HRX5	0.4-5	3.5-44.2	850	0.7	1.5	186	16	6	13	6	1/8	8431 0278 51
LUM12 HRX5-RE	0.4-5	3.5-44.2	850	0.7	1.5	186	16	6	13	6	1/8	8431 0278 53
LUM12 HRX5-350	0.4-5	3.5-44.2	350	0.7	1.5	186	16	6	13	6	1/8	8431 0278 48
LUM12 HRX5-350-RE	0.4-5	3.5-44.2	350	0.7	1.5	186	16	6	13	6	1/8	8431 0278 49
LUM12 HRX8	1.5-8	13.3-70.8	500	0.7	1.5	186	16	6	13	6	1/8	8431 0278 60
LUM12 HRX8-110	1.5-8	13.3-70.8	110	0.7	1.5	196	16	6	13	6	1/8	8431 0280 27
LUM12 HRX8-250	1.5-8	13.3-70.8	250	0.7	1.5	186	16	6	13	6	1/8	8431 0278 69
LUM12 HRX8-RE	1.5-8	13.3-70.8	500	0.7	1.5	186	16	6	13	6	1/8	8431 0278 61
LUM22 HRX2	1.2-2	10.6-17.7	4500	0.9	2	187	18	9	19	8	1/4	8431 0269 29
LUM22 HRX2-3200	1.1-2.6	9.7-23	3200	0.9	2	187	18	9	19	8	1/4	8431 0278 85
LUM22 HRX3	0.6-3	5.3-26.5	2250	0.9	2	187	18	9	19	8	1/4	8431 0269 22
LUM22 HRX3.5	0.6-3.5	5.3-29.2	2250	0.9	2	187	18	9	19	8	1/4	8431 0269 99
LUM22 HRX4	0.6-4	5.3-35.4	1650	0.9	2	187	18	9	19	8	1/4	8431 0269 20
LUM22 HRX6	1.5-6.5	13.3-57.5	1100	0.95	2.1	197	18	9	19	8	1/4	8431 0269 21
LUM22 HRX6-RE	1.5-6.5	13.3-57.5	1100	0.95	2.1	197	18	9	19	8	1/4	8431 0278 71
LUM22 HRX10	3.5-10	31-88.5	800	1.1	2.4	219	18	9	19	10	1/4	8431 0269 23
LUM22 HRX10-RE	3.5-10	31-88.5	800	1.1	2.4	219	18	9	19	10	1/4	8431 0278 73
LUM22 HRX11-220	3.5-12.5	31-110.6	220	1.15	2.5	229	18	9	19	10	1/4	8431 0282 20
LUM22 HRX12	3.5-12.5	31-110.6	500	1.1	2.4	211	18	9	19	10	1/4	8431 0269 24
LUM22 HRX12-RE	3.5-12.5	31-110.6	500	1.1	2.4	211	18	9	19	10	1/4	8431 0278 74
LUM22 HRX12-50	3.5-12.5	31-110.6	50	1.15	2.5	229	18	9	19	10	1/4	8431 0280 26
LUM22 HRX12-120	3.5-12.5	31-110.6	120	1.15	2.5	229	18	9	19	10	1/4	8431 0280 28
LUM22 HRX12-370	3.5-12.5	31-110.6	370	1.1	2.4	211	18	9	19	10	1/4	8431 0269 25
LUM22 HRX12-370-RE	3.5-12.5	31-110.6	370	1.1	2.4	211	18	9	19	10	1/4	8431 0278 75
LUM22 HRX26 <sup>a</sup>	3-26	26.6-230	220	1.2	2.6	233	18	9	19	10	1/4	8431 0269 39
<b>Multiple air inlet models with trigger start</b>												
LUM12 HRF2	0.6-2.5	5.3-22.1	1650	0.65	1.4	190	16	6	13	6	1/8	8431 0269 31
LUM12 HRF3	0.4-3.6	3.5-31.9	1150	0.7	1.5	200	16	6	13	6	1/8	8431 0269 32
LUM12 HRF5	0.4-5	3.5-44.2	850	0.7	1.5	200	16	6	13	6	1/8	8431 0269 33
LUM12 HRF8	1.5-8	13.3-70.8	500	0.7	1.5	200	16	6	13	6	1/8	8431 0269 34

<sup>a</sup> 1/4" square drive.

**All models:** Are reversible and have quick change chuck.

All data at an air pressure of 6.3 bar.

For operator comfort a support handle is recommended for high torque, see Optional Accessories.

## Direct Drive

## Pistol Grip Models

The LUD and LUF pistol grip range comes in several different configurations:

- HR/HRD: Model with traditional-grip can be used with high grip when feed force is needed or with low grip for minimal reaction force.
- HRX: Models with balanced grip are perfectly balanced for standard pistol grip applications.



Model	Torque range soft joint		Free speed r/min	Weight		Length mm	CS distance mm	Air consumption at free speed		Rec. hose size mm	Air inlet thread in	Ordering No.
	Nm	in lb		kg	lb			l/s	cfm			
<b>With trigger start</b>												
LUD12 HRX2	1-2.5	8.8-22.1	1600	0.5	1.1	115	16	6.5	14	8	1/8	8431 0278 77
LUD12 HRX5	2-5	17.7-44.2	850	0.5	1.1	125	16	6.5	14	8	1/8	8431 0278 78
LUD12 HRX8	3.5-8	31.0-70.8	500	0.5	1.1	125	16	6.5	14	8	1/8	8431 0278 79
LUD22 HR3	1.5-2.8	13.3-24.8	3600	0.65	1.4	125	18	8	17	8	1/4	8431 0269 17
LUD22 HR5	2.8-5.5	24.8-48.7	1650	0.65	1.4	125	18	8	17	8	1/4	8431 0269 18
LUD22 HR12	5-12	44.2-106.2	750	0.75	1.7	143	18	8	17	8	1/4	8431 0269 19
LUF34 HRD04	8.0-18.0	71-160	440	1.2	2.6	212	20	9	19	10	1/4	8431 0311 22
LUF34 HRD08	8.0-11.0	71-97	750	1.2	2.6	212	20	9	19	10	1/4	8431 0311 24
LUF34 HRD16	4.0-8.0	35-71	1600	0.9	2.0	179	20	9	19	10	1/4	8431 0311 26
<b>Reversible drill, taper and screwdriver</b>												
COMBI22 HR2	2.0-2.7	18-24	3600	0.9	2.0	205	20	7	15	8	1/4	8431 0255 89
COMBI22 HR5	2.7-5.7	24-50	1600	0.9	2.0	205	20	7	15	8	1/4	8431 0255 80
COMBI22 HR10	5.0-10.0	44-89	800	1.1	2.4	240	20	7	15	8	1/4	8431 0255 62
COMBI34 HR04	8.0-18.0	71-160	400	1.5	3.3	228	20	9	19	10	1/4	8431 0311 32
COMBI34 HR08	8.0-11.0	71-97	750	1.3	2.9	218	20	9	19	10	1/4	8431 0311 34
COMBI34 HR16	4.0-8.0	35-71	1600	1.0	2.2	179	20	9	19	10	1/4	8431 0311 36

**All models:** Are reversible.

Are equipped with a 1/4" female hexagon drive for bits.

Combi-tools are delivered with drill chuck and 1/4" female hex drive for bits.

Torque range is reached by adjusting the air pressure between minimum 3 bar and maximum 6 bar.

# Slip-clutch

# Pistol Grip Models

The TWIST and LUF pistol grip range comes in several different configurations:

- HR: Model with traditional-grip can be used with high grip when feed force is needed or with low grip for minimal reaction force.
- HRX: models with balanced grip are perfectly balanced for standard pistol grip applications.
- HRF: Balanced grip with multiple air inlets for flexible connection.



Model	Torque range soft joint		Free speed r/min	Weight		Length mm	CS distance mm	Air consumption at free speed		Rec. hose size mm	Air inlet thread in	Ordering No.
	Nm	in lb		kg	lb			l/s	cfm			
<b>With trigger and push start</b>												
TWIST12 HRX2	0.6-2.4	5.3-21.2	1650	0.65	1.4	176	15	6.5	14	6	1/8	8431 0278 40
TWIST12 HRX3	0.6-3.5	5.3-31.0	1150	0.65	1.4	186	15	6.5	14	6	1/8	8431 0278 39
TWIST12 HRX4	0.5-4.4	4.4-38.9	800	0.65	1.4	186	15	6.5	14	6	1/8	8431 0278 38
TWIST22 HRX7	1.5-7.5	13.3-66.4	1100	1.05	2.3	205	15	9	19	8	1/4	8431 0269 26
TWIST22 HRX10	1.5-10	13.3-88.5	750	1.1	2.4	205	15	9	19	8	1/4	8431 0269 27
TWIST22 HRX12	5-12	44.2-106.2	500	1.05	2.3	205	15	9	19	8	1/4	8431 0269 28
TWIST22 HR3	1.0-3.5	8.9-31	2100	0.95	2.1	195	15	8	17	8	1/4	8431 0278 86
TWIST22 HR6	2.2-6.5	19.5-57.5	1600	0.95	2.1	195	15	8	17	8	1/4	8431 0269 70
TWIST22 HR7	1.5-7.5	13.3-66.4	1150	0.95	2.1	195	15	8	17	8	1/4	8431 0269 14
TWIST22 HR10	1.5-10.0	13.3-88.5	750	1	2.2	205	15	8	17	8	1/4	8431 0269 15
TWIST22 HR12	5.0-12.0	44.2-106.2	500	1	2.2	195	15	8	17	8	1/4	8431 0269 16
LUF34 HR04	3.0-17.0	27.0-150.0	440	1.4	3.1	265	21	9.5	19	8	1/4	8431 0311 05
LUF34 HR08	2.0-15.0	18.0-133.0	750	1.4	3.1	265	21	9.5	19	8	1/4	8431 0311 09
LUF34 HR16	3.0-12.0	27.0-107.0	1600	1.4	3.1	265	21	9.5	19	8	1/4	8431 0311 17
<b>Multiple air inlet models and air-on-top models with trigger start and push start</b>												
TWIST12 HRF4	0.5-4.4	4.4-38.9	850	0.7	1.5	200	15	6.5	14	6	1/8	8431 0269 40
TWIST HRF08 <sup>a</sup>	1.5-7.5	13.0-66.0	800	1.2	2.6	212	25	7	15	8	1/4	8431 0252 42
TWIST HRF16 <sup>a</sup>	2.2-6.5	20.0-58.0	1600	1.2	2.6	212	25	7	15	8	1/4	8431 0252 44

<sup>a</sup> Only air-on-top models.

**All models:** Are reversible.

Are equipped with a 1/4" female hexagon drive for bits.

Have quick change chuck.

All data at an air pressure of 6.3 bar.

# Shut-off

# Straight Models

Straight screwdrivers should be used with a torque arm for best ergonomics.

LUM straight screwdrivers come in two different configurations:

- PR: Model with push-to-start function and reverse button.
- SR: Model with lever start function and reverse ring.

RE reporting conversion kits are available for SR models, see accessory page.

Soft stop options are available, designated with the suffix -SS.



Model	Torque range soft joint		Free speed r/min	Weight		Length mm	CS distance mm	Air consumption at free speed		Rec. hose size mm	Air inlet thread in	Ordering No.
	Nm	in lb		kg	lb			l/s	cfm			
<b>With push start and button reverse</b>												
LUM10 PR03	0.1-1.5	0.8-13	300	0.4	0.9	206	15	3	6	6	1/8	8431 0146 05
LUM10 PR05	0.1-1.5	0.8-13	460	0.4	0.9	206	15	3	6	6	1/8	8431 0146 09
LUM10 PR12	0.1-1.1	0.8-10	1200	0.4	0.9	196	15	3	6	6	1/8	8431 0146 17
LUM10 PR21	0.1-0.7	0.8-6	2000	0.4	0.9	196	15	3	6	6	1/8	8431 0146 25
LUM12 PR1	0.6-1.6	5.3-14.2	1900	0.55	1.2	195	17	4.5	10	6	1/8	8431 0278 29
LUM12 PR2	0.4-2.3	3.5-20.4	1450	0.55	1.2	195	17	4.5	10	6	1/8	8431 0278 27
LUM12 PR3	0.4-3.2	3.5-28.3	1000	0.55	1.2	195	17	4.5	10	6	1/8	8431 0278 26
LUM12 PR4	0.4-4.2	3.5-37.2	750	0.55	1.2	195	17	4.5	10	6	1/8	8431 0278 25
LUM12 PR5	0.4-5	3.5-44.2	450	0.55	1.2	195	20	4.5	10	6	1/8	8431 0278 30
LUM22 PR2-3500	1.1-2.5	9.7-22.1	3500	0.75	1.7	211	20	7	15	8	1/4	8431 0278 89
LUM22 PR3	0.6-3.2	5.3-28.3	2100	0.75	1.7	211	20	7	15	8	1/4	8431 0269 61
LUM22 PR4	0.5-4.0	4.4-35.4	1600	0.75	1.7	211	20	7	15	8	1/4	8431 0269 55
LUM22 PR4-2300	0.7-4.5	5.9-38.2	2300	0.75	1.7	211	20	7	15	8	1/4	8431 0278 81
LUM22 PR5-260	0.4-5.0	3.5-44.2	260	0.75	1.7	211	20	7	15	8	1/4	8431 0269 62
LUM22 PR5-350	0.4-5.0	3.5-44.2	350	0.75	1.7	211	20	7	15	8	1/4	8431 0269 60
LUM22 PR6	1.5-6.0	13.3-53.1	1000	0.75	1.7	211	20	7	15	8	1/4	8431 0269 56
LUM22 PR8-1100	1.5-8.0	13.3-70.8	1100	0.9	2.0	224	20	7	15	8	1/4	8431 0278 88
LUM22 PR10	3.5-10.0	31-88.5	700	0.95	2.1	232	22	7	15	8	1/4	8431 0269 58
LUM22 PR12	3.5-12.5	31-110.6	450	0.9	2.0	224	22	7	15	8	1/4	8431 0269 57
LUM22 PR12-350	3.5-12.5	31-110.6	350	0.95	2.1	224	22	7	15	8	1/4	8431 0269 59
LUM22 PR12-850	3.5-12.0	31-106.2	850	1	2.2	246	22	8.5	15	8	1/4	8431 0278 80
<b>With lever start and reverse ring</b>												
LUM12 SR1	0.6-1.8	5.3-15.9	2200	0.6	1.3	217	17	6	13	6	1/8	8431 0278 35
LUM12 SR2	0.5-2.5	4.4-22.1	1700	0.6	1.3	217	17	6	13	6	1/8	8431 0278 34
LUM12 SR3	0.4-3.5	3.5-31	1200	0.6	1.3	217	17	6	13	6	1/8	8431 0278 33
LUM12 SR4	0.4-4.5	3.5-39.8	850	0.6	1.3	217	17	6	13	6	1/8	8431 0278 32
LUM22 SR3	0.6-3.2	5.3-28.3	1950	0.8	1.8	239	20	7	15	8	1/4	8431 0269 44
LUM22 SR4	0.6-4	5.3-35.4	1500	0.8	1.8	239	20	7	15	8	1/4	8431 0269 46
LUM22 SR5-300	0.4-5	3.5-44.2	300	0.8	1.8	239	20	7	15	8	1/4	8431 0269 51
LUM22 SR6	1.5-6	13.3-53.1	1000	0.85	1.9	239	20	7	15	8	1/4	8431 0269 47
LUM22 SR10	3.5-10	31-88.5	700	1	2.2	260	22	7	15	8	1/4	8431 0269 49
LUM22 SR12	3.5-12.5	31-110.6	430	0.95	2.1	252	22	7	15	8	1/4	8431 0269 48
LUM22 SR12-300	3.5-12.5	31-110.6	300	1	2.2	252	22	7	15	8	1/4	8431 0269 50

All LUM10/12/22 SR/PR: ESD approved

All data at an air pressure of 6.3 bar.



# Slip-clutch

# Straight Models

Straight screwdrivers should be used with a torque arm for best ergonomics

The TWIST straight screwdrivers come in two different configurations:

- PR: Model with push to start function and reverse button
- SR: Model with lever start function and reverse ring.



TWIST12 SR

Model	Torque range soft joint		Free speed r/min	Weight		Length mm	CS distance mm	Air consumption at free speed		Rec. hose size mm	Air inlet thread in	Ordering No.
	Nm	in lb		kg	lb			l/s	cfm			
<b>With lever start and reverse ring</b>												
TWIST12 SR4	0.5-4.2	4.4-37.2	1100	0.65	1.4	225	15	6	13	6	1/8	8431 0278 43
TWIST22 SR6	1.5-6.0	13.3-53.1	1500	0.85	1.9	239	15	7	15	8	1/8	8431 0269 52
TWIST22 SR10	1.5-10.0	13.3-88.5	700	0.9	2.0	246	15	7	15	8	1/8	8431 0269 53
<b>With push start and reverse button</b>												
TWIST22 PR4-2300	1.0-4.0	8.9-35.4	2300	0.75	1.7	242	15	7	15	8	1/4	8431 0278 92
TWIST22 PR6	2.2-6.5	19.5-57.5	1600	0.75	1.7	211	15	7	15	8	1/4	8431 0278 91
TWIST22 PR7	1.5-7.5	13.3-66.4	1100	0.75	1.7	211	15	7	15	8	1/4	8431 0278 90

All data at an air pressure of 6.3 bar.

# Shut-off

# Angle Models

LTV angle screwdriver models have a fast, accurate shut-off clutch and are designed for durability.

- Slim design of the angle head allows good access in limited spaces and awkward positions.
- Spiral cut gears give high accuracy.

RE reporting conversion kits are available for LTV screwdriver models. For kit, see accessory page.



LTV009

Model	Torque range soft joint		Free speed r/min	Weight		Length mm	Angle head height mm	Angle head center to side mm	Air consumption at free speed		Rec. hose size mm	Air inlet thread in	Ordering No.
	Nm	in lb		kg	lb				l/s	cfm			
<b>1/4" female hexagon drive for bits</b>													
LTV009 R05-42	0.4-5	3.5-44.2	850	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 07
LTV009 R07-42	1.1-7	9.7-61.9	500	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 10
LTV009 R07-42-SH	1.1-7	9.7-61.9	500	0.7	1.5	243	25	9	6	13	6	1/8	8431 0279 29
LTV009 R09-42	1.3-9	11.5-79.6	430	0.7	1.5	266	28.5	11	6	13	6	1/8	8431 0278 15
LTV009 R11-42	1.3-11	11.5-97.3	320	0.8	1.8	266	28.5	11	6	13	6	1/8	8431 0278 21
LTV009 R035-42	0.4-3.5	3.5-31	1100	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 04
LTV19 R15-42	6-15	54-133	360	1.1	2.4	309	36	11	7	15	8	1/4	8431 0279 35
<b>1/4" square drive for sockets</b>													
LTV009 R05-6	0.4-5	3.5-44.2	850	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 08
LTV009 R07-6	1.1-7	9.7-61.9	500	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 11
LTV009 R07-6-SH	1.1-7	9.7-61.9	500	0.7	1.5	243	25	9	6	13	6	1/8	8431 0279 28
LTV009 R07-6-230	0.3-7	2.6-61.9	230	0.8	1.8	266	25	9	6	13	6	1/8	8431 0279 18
LTV009 R09-6	1.3-9	11.5-79.6	430	0.7	1.5	266	28.5	11	6	13	6	1/8	8431 0278 17
LTV009 R11-6-200	1.3-11	11.5-97.3	200	0.7	1.5	266	28.5	11	6	13	6	1/8	8431 0278 24
LTV009 R11-6-200-B	1.3-11	11.5-97.3	200	0.8	1.8	266	27.6	11	6	13	6	1/8	8431 0278 31
LTV009 R11-6	1.3-11	11.5-97.3	320	0.8	1.8	266	28.5	11	6	13	6	1/8	8431 0278 22
LTV009 R035-6	0.4-3.5	3.5-31	1100	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 05
LTV19 R15-6	6-15	54-133	360	1.1	2.4	309	31	11	7	15	8	1/4	8431 0279 34
<b>3/8" square drive for sockets</b>													
LTV009 R03-10	0.7-3	6.2-26.5	1400	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 23
LTV009 R09-10	1.3-9	11.5-79.6	430	0.7	1.5	266	28.5	11	6	13	6	1/8	8431 0278 13
LTV009 R11-10	1.3-11	11.5-97.3	320	0.8	1.8	266	28.5	11	6	13	6	1/8	8431 0278 20
LTV19 R15-10	6-15	54-133	360	1.1	2.4	309	31	11	7	15	8	1/4	8431 0279 36
<b>1/4" quick change chuck</b>													
LTV009 R05-Q	0.4-5	3.5-44.2	850	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 06
LTV009 R07-Q	1.1-7	9.7-61.9	500	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 09
LTV009 R07-Q-SH	1.1-7	9.7-61.9	500	0.7	1.5	243	25	9	6	13	6	1/8	8431 0279 30
LTV009 R09-Q	1.3-9	11.5-79.6	430	0.7	1.5	266	28.5	11	6	13	6	1/8	8431 0278 12
LTV009 R11-Q	1.3-11	11.5-97.3	320	0.8	1.8	266	28.5	11	6	13	6	1/8	8431 0278 19
LTV009 R025-Q	0.6-2.5	5.3-22.1	1650	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 00
LTV009 R035-Q	0.4-3.5	3.5-31	1100	0.7	1.5	266	25	9	6	13	6	1/8	8431 0278 03
LTV19 R15-Q	6-15	54-133	360	1.1	2.4	309	45	11	7	15	8	1/4	8431 0279 37
<b>Flush socket</b>													
LTV009 R12-FS-10	1.5-8	13.3-70.8	340	1.1	2.4	261	23.5	13.5	6	13	6	1/8	8431 0632 11

- All models:**
- Are reversible.
  - All data at an air pressure of 6.3 bar.
  - Are ESD approved

## Accessories Included

### EXHAUST HOSE

Included with straight and air-on-top models

### CLUTCH ADJUSTMENT KEY

Included with all shut-off and slip clutch tools



Clutch adjustment key

## Optional Accessories



Designation	Exhaust hose	Support handle	ESD hose	Torque arms adapters	Installation proposal	ESD approved pistol handle
LUM12 HRX/HRF	4210 2052 00	4110 1355 92	8202 0501 06	–	8202 1180 67	4210 3616 04
LUM22 HR 3, 4, 6	4210 2052 00	4110 1355 92	8202 0501 10	–	8202 1180 77	4210 4337 04
LUM22 HR 10, 12	4210 2052 00	4110 1355 93	8202 0501 10	–	8202 1180 77	4210 4337 04
LUM22 HRX 3, 4, 6	4210 2052 00	4110 1355 92	8202 0501 10	–	8202 1180 77	4210 3616 04
LUM12 SR	4210 2052 00	–	8202 0501 06	4390 1735 52	8202 1180 67	–
LUM12 PR	4210 2052 00	–	8202 0501 06	4390 1735 53	8202 1180 67	–
LUM22 SR	4210 2053 00	–	8202 0501 10	4390 1735 51	8202 1180 77	–
LUM22 PR	4210 2053 00	–	8202 0501 10	4390 1735 54	8202 1180 77	–
LTV009	4210 2052 00	–	8202 0501 06	–	8202 1180 67	–
LUM32 HR	4210 2052 00	4110 1355 94	8202 0501 10	–	8202 1180 77	4210 4337 04
LUF34	4210 2053 00	4110 1355 82	8202 0501 10	–	8202 1180 77	–

Model	Ordering No.
<b>Threaded clutch houses</b>	
LUM12 PR/SR 1, 2, 3, 4	4210 4386 04
LUM12 HRX/HRF 1, 3, 5, 8	4210 4386 04
LUM22 HRX/HR 2, 3, 4, 6	4210 4386 04
LUM22 HRX/HR 10, 12	4210 4392 03
LUM22 SR/PR 3, 4, 5, 6, 8	4210 4383 04
LUM22 SR/PR 10, 12	4210 4383 03
<b>Angle head covers</b>	
LTV009 R025-R07	4210 4115 00
LTV009 R08-R11	4210 4116 00
<b>Protective covers</b>	
LUM22/32 HR	4210 3150 00
LUM22 HRX	4210 3151 00
LUM12 HRX	4210 4642 00
<b>Threaded fronts</b>	
LUM 32 HR10, 15	4210 4252 90
<b>Suspension yoke</b> for LTV009	4210 4461 80
<b>Quick change chuck kit</b> , extra wide diameter for easy handling	4210 2326 91
<b>Angle-head</b> for LTV009 R03/08/09/11, 90° hex drive magnetic bit holder <sup>a</sup>	4210 3857 91



Suspension yoke



Quick change chuck kit



Angle-head for LTV009

<sup>a</sup> Substitute for 4210 3857 XX angle heads.

## RE-CONVERSION KITS

Model	Ordering No.
LUM12 HRF	4210 3624 99
LUM12 SR	4210 4137 90
LUM22 SR	4210 2057 80
LTV009	4210 4137 90

## Productivity Kits

Model	Max air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
<b>For small screwdrivers with 1/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C06-1/8	6 l/s	Cablaire 6 mm	ErgoQIC 08	Yes	8202 0850 10
MIDI Optimizer F/R EQ08-C06-1/8	6 l/s	Cablaire 6 mm	ErgoQIC 08	No	8202 0850 19
<b>For screwdrivers with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	Yes	8202 0850 00
MIDI Optimizer F/R EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	No	8202 0850 01



## 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:

- Vane kit
- Motor bearings
- Gaskets
- O-rings
- Circlips
- Pins etc.

Model	Ordering No.
LUM10 PR	4081 0070 90
LUM12 HRX, HRF	4081 0247 90
LUM12 SR	4081 0254 90
LUM12 PR	4081 0250 90
LUM22 HR/HRX 3, 4, 6, 12	4081 0281 90
LUM22 HR/HRX 10	4081 0282 90
LUM22 PR/SR 3, 4, 6, 12	4081 0284 90
LUM22 PR/SR 10	4081 0285 90
LUM25 HRF	4081 0075 90
LUM32 HR	4081 0316 90
LUF34 HR	4081 0086 90
TWIST HRF	4081 0079 90
TWIST VR	4081 0078 90
TWIST HR 3, 7, 12	4081 0291 90
TWIST HR 6	4081 0281 90
TWIST HR 10	4081 0292 90
TWIST12 HRX 2, 3, 4	4081 0247 90
TWIST22 HRX 2-3200, 7, 12	4081 0296 90
TWIST22 HRX 10	4081 0295 90
LTV009	4081 0248 90
LTV18	4081 0085 90
LTV19	4081 0288 90