

TECHNICAL INFORMATION

The most important product information at a glance

GENERAL

Our pneumatic power tools are characterised by high performance and low air consumption. The robust vane motors remain undamaged even when they stop under load.

The tools are fitted with a speed limiter, always keeping the idle speed within the specified tolerance. The service-friendly design allows wearing parts to be replaced quickly and easily.

COMPRESSED AIR SUPPLY

The motors operate at full power from a flow pressure of just 0.63 MPa (= 6.3 bar). We would be happy to advise you regarding the ideal specifications for the compressed air supply line. Please refer to the technical information for details about hose cross sections.

Air consumption (see machine data)	Connecting thread
0.05–0.5 m ³ /min	G 1/4"
0.15–0.9 m ³ /min	G 3/8"
0.5–1.5 m ³ /min	G 1/2"
0.8–6.0 m ³ /min	G 3/4"

VANE MOTOR LUBRICATION

A maintenance unit, comprising a water separator and an oiler, reliably protects the vane motors against wear, minimises the maintenance requirements, and prolongs their service life.

ERGONOMICS AND SAFETY

Vibration

To protect the operators, all of our power tools are tested and labelled in compliance with the current European Noise and Vibration Directive. The vibrations are recorded and calculated in three dimensions.

Ergonomics

Compared to electrical power tools, pneumatic motors offer greater performance at a lower weight. Thanks to their ergonomically shaped and insulated handles, the tools lie comfortably in the hand and won't tire the user.

Even difficult-to-access workpieces can be effortlessly machined using LUKAS pneumatic tools, as the spindle length, air outlet and valve design of many of the machine tools can be perfectly adapted to suit the user's requirements.

Safety

They can even be used in areas where there is a risk of explosion.

Quality

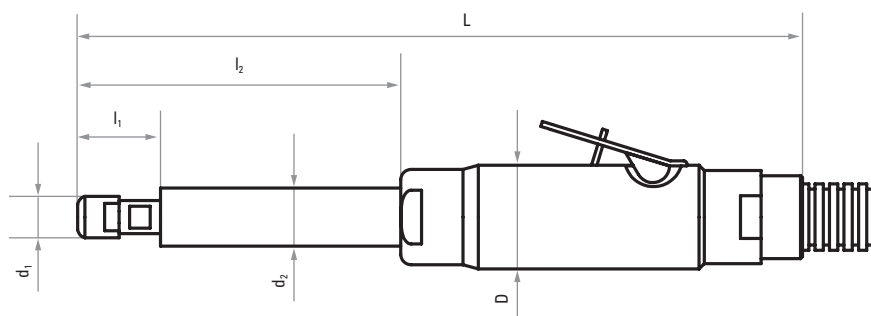
All of our power tools have a robust aluminium casing and are designed for use in harsh environments. The motors cannot overheat even when used continuously at maximum power. As part of our full quality control policy, all tools are subjected to speed and performance tests before they leave the factory.

Safety advice

Only tools that are suitable and approved in terms of safety for the peripheral speeds that can be attained with the respective machines may be used.

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All LUKAS power tools at a glance



Power tool	Description	Speed rpm	Power kW	d ₁ mm	l ₁ mm	d ₂ mm	l ₂ mm	D mm	L mm	Page
Belt grinder, insulated	AMIN 30 BSH	30,000	0.300	19	28	h = 86		35	220	303
Straight grinder, insulated	AMIN 12-030 GD	12,000	0.300	16	26	-	-	35	195	304
	AMIN 15-030 GD	15,000	0.300	16	26	-	-	35	195	
	AMIN 12-030 GH	12,000	0.300	16	26	-	-	35	195	
Straight grinder with extension, insulated	AMIN 15-070 GH2L	15,300	0.700	24	35	24	440	46	630	305
Straight grinder, insulated	AMIN 19-100 GH	19,000	1.000	24	37	34	148	51	350	306
	AMIN 19-100 GHK	19,000	1.000	24	44	-	-	51	245	
Straight grinder, insulated	AMIN 20-030 GD	20,000	0.300	16	26	-	-	35	195	307
	AMIN 20-030 GH	20,000	0.300	16	26	-	-	35	195	
Straight grinder, insulated	AMIN 30-030 GD	30,000	0.300	14	16	-	-	36	190	308
	AMIN 30-030 GH	30,000	0.300	14	16	-	-	36	190	
Straight grinder, insulated	AMIN 32-027 GD	32,000	0.270	13	20	23	35	29	210	309
Straight grinder, insulated	AMIN 45-030 GD	45,000	0.300	14	16	-	-	36	190	310
	AMIN 45-030 GH	45,000	0.300	14	16	-	-	36	190	
Straight grinder, insulated	AMIN 55-011 GD	55,000	0.110	9	14	-	-	20	125	311
Straight grinder, insulated	AMIN 72-013 GD	72,000	0.130	10	15	-	-	29	165	312
Conditioning machine	ESM 1310 S	1,300–3,050	1,300	-	-	-	-	-	-	313