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## Technical Information

### General

High performance and low air consumption are the major features of LUKAS air tools. The robust vane-motors can be stopped under load without causing any damage. Speed governors are used to prevent running above the maximum free-running RPM. The tool design allows simple maintenance and service.

### Air pressure

An air pressure of 0,5 to 0,63 MPa is recommended. Maximum performance can only be achieved with an adequate air supply. The internal diameter of the inlet hose must at least correspond to the nominal size stated in the tables.

### Lubrication

The air tool must be connected to an air supply which contains an airline filter, lubricator and pressure regulator. The lubricator should be adjusted as per the operating instructions; this will guarantee a long and trouble-free tool life.

### Safety instruction

Only use mounted points and other tools which are safe and permissible to be operated at the max. RPM as stated on the air tool.



Wear safety goggles or glasses



Use ear muffs



Wear a dust mask



Wear safety gloves



**Pneumatic  
angle grinder  
AMIN 12-125 WH**

Description	Threaded spindle	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption m <sup>3</sup> /min	Hose-nominal size mm	
AMIN 12-125 WH	M 14	12.200	1	1,2	12	■

Length appr. 254 mm, Weight of machine appr. 2,6 kg

Inlet and exhaust air hoses are included with the machine.

Suited to LUKAS tools: *	Dimension	Page
Cutting discs	up to Ø 125 mm	108 - 109
Grinding discs	up to Ø 125 mm	110
Cup brushes BT...	up to Ø 65 mm	119
Circular brushes BR...	up to Ø 115 mm	118
Conical brushes BK...	up to Ø 100 mm	117
Lamellar flap discs	up to Ø 125 mm	199 - 208

\*Please take note of the relevant RPM stated on our packing material.

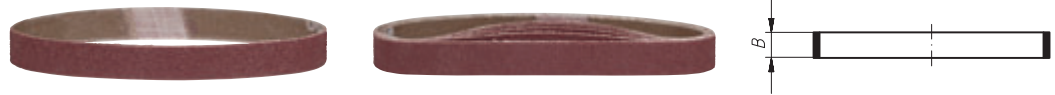


## Pneumatic abrasive belt grinder AMIN 30 BSH

Description	Valve	Belt speed m/s	Power KW	Air consumption m <sup>3</sup> /min	Hose-nominal size mm	
AMIN 30 BSH	Lever	28,0	0,3	0,45	6	■

Length appr. 307 mm, Weight of machine appr. 1,12 kg

An abrasive belt mounting arm for long belts in dimension 13 x 305 mm, inlet and exhaust air hoses plus silencer are included with the machine.



## SBL, Linishing belts

Description	B mm	Length mm	Lining	available Grits NK		
				60	80	120
SBLT	13	305	robust-flexible	■	■	■
SBLX	13	305	robust	■	■	■

Packing unit: 100 pcs. per type

Ordering example: SBLT 13305 NK 60

used on our pneumatic belt grinder AMIN 30 BSH




**Straight grinder  
AMIN 15-100 GH**

Description	Valve	Idle speed min <sup>-1</sup>	Power KW	Air consumption m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	
AMIN 15-100 GH	Lever	15300	1	0,8	6	12	■

Length appr. 317 mm, Weight of machine appr. 2 kg

A 6 mm collet, inlet and exhaust air hoses plus silencer are included with the machine.

Extra equipment: collet for Ø 8 mm, 9 mm, 3/16", 5/16" and 1/4"

Suited to LUKAS tools: *		Dimension	Page
Tungsten Carbide Burrs		up to Ø = 16 mm	10 - 36
Burrs of HSS		up to Ø = 6 mm	38 - 54
Mounted Points		up to Ø = 60 mm	65 - 105
Polishing Points	P2	up to Ø = 16 mm	126 - 129
Polishing Points	P3	up to Ø = 16 mm	138 - 142
Polishing Points	P6	up to Ø = 30 mm	136 - 137
Mounted flap wheels	SFL/SFE/SFB/SFT/SFC	up to Ø = 40 mm	151 - 154
Abrasive Caps	SK...	up to Ø = 16 mm	177 - 180
Abrasive Rolls	SR...	up to Ø = 20 mm	174 - 175
Abrasive Belts	SBZY	up to Ø = 22 mm	167 - 170
Abrasive Belts	SBKE	up to Ø = 29 mm	171

\*Please take note of the relevant RPM stated on our packing material.



## Straight grinder AMIN 19-100 GH, GHK

Description	Valve	Idle speed min <sup>-1</sup>	Power KW	Air consumption m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	
AMIN 19-100 GH	Lever	19000	1	0,8	6	12	■
AMIN 19-100 GHK	Lever	19000	1	0,8	6	12	■

AMIN 19-100 GH: Length appr. 317 mm, Weight of machine appr. 2 kg

AMIN 19-100 GHK: Length appr. 215 mm, Weight of machine appr. 2 kg

A 6 mm collet, inlet and exhaust air hoses plus silencer are included with the machine.

Extra equipment: collet for Ø 8 mm, 9 mm, 3/16", 5/16" and 1/4"

Suited to LUKAS tools: *		Dimension	Page
Tungsten Carbide Burrs		up to Ø = 12 mm	10 - 36
Burrs of HSS		up to Ø = 4 mm	38 - 54
Mounted Points		up to Ø = 50 mm	65 - 105
Polishing Points	P1	up to Ø = 50 mm	122 - 125
Polishing Points	P2	up to Ø = 12 mm	126 - 129
Polishing Points	P3	up to Ø = 10 mm	138 - 142
Polishing Points	P5	up to Ø = 50 mm	133 - 135
Polishing Points	P6	up to Ø = 16 mm	136 - 137
Abrasive Caps	SK...	up to Ø = 13 mm	177 - 180
Abrasive Rolls	SR...	up to Ø = 13 mm	174 - 175
Abrasive Belts	SBZY	up to Ø = 19 mm	167 - 170
Abrasive Belts	SBKE	up to Ø = 29 mm	171

\*Please take note of the relevant RPM stated on our packing material.


**Straight grinder  
AMIN 30-030 GH, GD**

Description	Valve	Idle speed min <sup>-1</sup>	Power KW	Air consumption m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	
AMIN 30-030 GH	Lever	30000	0,3	0,45	6	6	■
AMIN 30-030 GD	Twist	30000	0,3	0,45	6	6	■

AMIN 30-030 GH: Length appr. 175 mm, Weight of machine appr. 0,72 kg

AMIN 30-030 GD: Length appr. 175 mm, Weight of machine appr. 0,72 kg

A 6 mm collet, inlet and exhaust air hoses plus silencer are included with the machine.

Extra equipment: collet for Ø 3 mm, 4 mm, 5 mm, 3,25 mm, 1/8", 3/16" and 1/4"

Suited to LUKAS tools: *		Dimension	Page
Tungsten Carbide Burrs		up to Ø = 8 mm	10 - 36
Burrs of HSS		up to Ø = 3 mm	38 - 54
Mounted Points		up to Ø = 32 mm	65 - 105
Polishing Points	P1	up to Ø = 32 mm	122 - 125
Polishing Points	P2	up to Ø = 10 mm	126 - 129
Polishing Points	P3	up to Ø = 10 mm	138 - 142
Polishing Points	P5	up to Ø = 32 mm	133 - 135
Polishing Points	P6	up to Ø = 12 mm	136 - 137
Abrasive Caps	SK...	up to Ø = 10 mm	177 - 180
Abrasive Rolls	SR...	up to Ø = 12 mm	174 - 175
Abrasive Belts	SB	up to Ø = 12 mm	167 - 170

\*Please take note of the relevant RPM stated on our packing material.



### Straight grinder

#### AMIN 45-030 GH, GD

Description	Valve	Idle speed min <sup>-1</sup>	Power KW	Air consumption m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	
AMIN 45-030 GH	Lever	45000	0,3	0,5	6	6	■
AMIN 45-030 GD	Twist	45000	0,3	0,5	6	6	■

AMIN 45-030 GH: Length appr. 175 mm, Weight of machine appr. 0,72 kg

AMIN 45-030 GD: Length appr. 175 mm, Weight of machine appr. 0,72 kg

A 6 mm collet, inlet and exhaust air hoses plus silencer are included with the machine.

Extra equipment: collet for Ø 3 mm, 4 mm, 5 mm, 3,25 mm, 1/8", 3/16" and 1/4"

Suited to LUKAS tools: *		Dimension	Page
Tungsten Carbide Burrs		up to Ø = 6 mm	10 - 36
Mounted Points		up to Ø = 20 mm	65 - 105
Polishing Points	P1	up to Ø = 20 mm	122 - 125
Polishing Points	P2	up to Ø = 6 mm	126 - 129
Polishing Points	P3	up to Ø = 6 mm	138 - 142
Polishing Points	P5	up to Ø = 20 mm	133 - 135
Polishing Points	P6	up to Ø = 10 mm	136 - 137
Abrasive Caps	SK...	up to Ø = 5 mm	177 - 180
Abrasive Belts	SB...	up to Ø = 12 mm	167 - 170

\*Please take note of the relevant RPM stated on our packing material.


**Straight grinder  
AMIN 55-011 GD**

Description	Valve	Idle speed min <sup>-1</sup>	Power KW	Air consumption m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	
AMIN 55-011 GD	Twist	55000	0,11	0,15	3	5	■

Length appr. 123 mm, Weight of machine appr. 0,22 kg

A 3 mm collet, inlet and exhaust air hoses plus silencer are included with the machine.

Extra equipment: collet for Ø 2 mm, 3,25 mm and 1/8"

Suited to LUKAS tools: *		Dimension	Page
Tungsten Carbide Burrs		up to Ø = 5 mm	10 - 36
Mounted Points		up to Ø = 16 mm	65 - 105
Polishing Points	P1	up to Ø = 16 mm	122 - 125
Polishing Points	P2	up to Ø = 5 mm	126 - 129
Polishing Points	P5	up to Ø = 16 mm	133 - 135
Abrasive Caps	SK...	up to Ø = 5 mm	177 - 180
Abrasive Belts	SB...	up to Ø = 10 mm	167 - 170

\*Please take note of the relevant RPM stated on our packing material.



### Straight grinder AMIN 72-013 GD

Description	Valve	Idle speed min <sup>-1</sup>	Power KW	Air consumption m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	
AMIN 72-013 GD	Twist	72000	0,13	0,2	3	5	■

Length appr. 166 mm, Weight of machine appr. 0,45 kg

A 3 mm collet, inlet and exhaust air hoses plus silencer are included with the machine.

Extra equipment: collet for Ø 2 mm, 3,25 mm, 3/32" and 1/8"

Suited to LUKAS tools: *	Dimension	Page
Tungsten Carbide Burrs	up to Ø = 4 mm	10 - 36
Mounted Points	up to Ø = 13 mm	65 - 105
Polishing Points P1	up to Ø = 13 mm	122 - 125
Polishing Points P2	up to Ø = 4 mm	126 - 129
Polishing Points P5	up to Ø = 13 mm	133 - 135

\*Please take note of the relevant RPM stated on our packing material.