

## Air tools

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Air tools

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### Product line marking

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## Technical Information

### General information

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 exceeding of the idling speed within the specified tolerance.

The tool design is maintenance and service friendly. It facilitates the change of wear parts.

### Compressed air supply

Power tools already achieve maximum performance levels from a flow pressure of 0.63 MPa (= 6.3 bar). We are more than happy to provide advise when it comes to the optimum design of your compressed air supply. Please refer to the technical information for initial specifications on line cross sections (diagram).

Air consumption (see machine data)	Connection thread
0,05–0,5 m <sup>3</sup> /min	¼" thread
0,15–0,9 m <sup>3</sup> /min	⅜" thread
0,5–1,5 m <sup>3</sup> /min	½" thread
0,8–6,0 m <sup>3</sup> /min	¾" thread

### Vane motor lubrication

A maintenance unit consisting of a water trap and lubricator reliably protects the vane motors against wear, reduces the maintenance effort and increases the service life.

### Turbo drive lubrication

**Machines with a turbo drive are always operated without a lubricator!**

As the rotation of the rotor in the machine housing is a widely non-contact motion, the results are particularly low friction losses and higher energy efficiency during grinding and milling.

### Ergonomics and safety

#### Vibration

All air tools are tested and labelled in accordance with the current European noise and vibration directive to protect the user.

Vibrations are recorded and calculated three-dimensionally in this respect.

#### Ergonomics

When compared to electric power tools, pneumatic tools offer a higher level of performance and lower weight. Ergonomically shaped, insulated handles mean that the machines can be held easily, thus enabling fatigue-free working.

Machining of workpieces which are difficult to access also presents no problem with LUKAS pneumatic tools, as the spindle length, air outlet and valve design of many machines can be optimized to suit user requirements.

#### Safety

Use is even possible in potentially hazardous atmospheres.

#### Quality

All machines have a robust aluminium housing and are designed for use in a harsh environment. Motors do not overheat, even during continuous operation at a maximum performance level. In the context of 100% quality control all machines undergo speed and performance measurements prior to delivery.

#### Safety instruction

Only tools which are safe and approved for operation at the peripheral speeds achieved with respective tools should be used.



Industry

**Turbo driven angle grinder – insulated**

Ordering example: A3993202212001



**Length:** approx. 295 mm  
**Weight:** approx. 1,9 kg  
**Peripheral speed:** max. 80 m/s  
**Wheel arbour:** 22,23 mm  
**Drive:** turbo  
 integral speed regulator  
**Vibration ISO 8662:** < 2,5 m/s<sup>2</sup>  
**Sound pressure level ISO 15744:** 86 dB (A)

Description	Valve	Threaded spindle	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Tool max. Ø mm	Hose-nominal size (min.) mm	Product-Number	
AMIN 12-125 TWH	Lever	M 14	12.200	2,2	1,8	125	13	A3993202212001	■

**Features:**

- **Oil-free** and low maintenance
- Optimum weight for performance for fatigue-free working
- Low air consumption
- Vibration dampening on handle
- High regard to health and safety – integral speed regulator – automatic overspeed preventer
- Tool-free setting of wheel guard
- Spindle emergency stop button
- Tool-free wheel change possible

- recommended for IQ series
- high stock removal level

**Included with the machine:**

Connector DN 10, R 1/2", wheel guard and spanner

**Special equipment:**

Inlet hose including quick release coupling and connector DN 10

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Fibre Disc FIS	Ø 115 mm	from 343
All SLT lamellar flap discs (except SLTV/M/P and ASVT)	Ø 115 mm und 125 mm	from 230
Cutting discs	Ø 115 mm und 125 mm	from 184
Grinding discs	Ø 115 mm und 125 mm	from 195
Diamond cutting discs	Ø 115 mm und 125 mm	from 208
Diamond cup wheels	Ø 115 mm und 125 mm	from 218



### Abrasive belt grinder – insulated

Ordering example: A3993302113



**Length:** approx. 325 mm  
**Height:** approx. 86 mm  
**Weight:** approx. 0,90 kg  
**Drive:** vane motor

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Belt peripheral speed m/s	Hose-nominal size mm	Product-Number	
AMIN 30 BSH	Lever	30.000	0,3	0,45	28	6	A3993302113	■

**Included with the machine:**

an abrasive belt mounting arm for long belts in dimension 13 x 305 mm, inlet and exhaust air hoses plus silencer, collet for 6 mm, spanner

**Extra equipment:**

collets for Ø 3 mm, 4 mm, 5 mm, 1/8", 3/16", 1/4"  
 Abrasive belt extensions in various dimensions

**Available ex-stock:**

long belts 13 x 305 mm

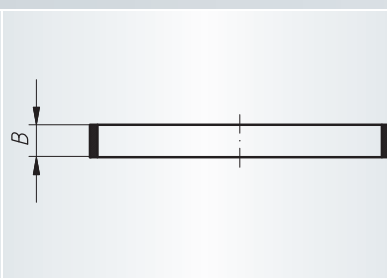
**Suited to LUKAS tools:**

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



### SBL, finishing belts

Ordering example: A3000130305040T01



**Packing unit:**

100 pcs. per type  
 Peripheral speed: 28 m/s  
 NK = reg. Aluminium Oxide  
 ZK = Zirconia Alum. Oxide

Description	Grits	B mm	Length mm	Lining	Product-Number	recommended for	
SBLT	ZK 40	13	305	robust-flexible	A3000130305040T01	① ② ③ ④ ⑤ ⑧	■
SBLT	NK 60	13	305	robust-flexible	A3000130305060T	① ② ③ ④ ⑤ ⑥ ⑦ ⑧	■
SBLT	ZK 60	13	305	robust-flexible	A3000130305060T01	① ② ③ ④ ⑤ ⑧	■
SBLT	NK 80	13	305	robust-flexible	A3000130305080T	① ② ③ ④ ⑤ ⑥ ⑦ ⑧	■
SBLX	NK 80	13	305	robust	A3000130305080X	① ② ③ ④ ⑤ ⑥ ⑦ ⑧	■
SBLT	ZK 80	13	305	robust-flexible	A3000130305080T01	① ② ③ ④ ⑤ ⑧	■
SBLT	NK 120	13	305	robust-flexible	A3000130305120T	① ② ③ ④ ⑤ ⑥ ⑦ ⑧	■
SBLX	NK 120	13	305	robust	A3000130305120X	① ② ③ ④ ⑤ ⑥ ⑦ ⑧	■



**Straight grinder – insulated**

Ordering example: A3993101112



**Length:** approx. 175 mm  
**Diameter:** 34,5 mm  
**Weight:** approx. 0,90 kg  
**Drive:** vane motor  
 Integral speed regulator

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 12-030 GD	Twist	12.000	0,3	0,49	6	8	A3993101112	■
AMIN 12-030 GH	Lever	12.000	0,3	0,49	6	8	A3993102112	■
AMIN 15-030 GD	Twist	15.000	0,3	0,52	6	8	A3993101115003	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, 6 mm collet and spanner

**Extra equipment:**

collets for Ø 3 mm, 4 mm, 5 mm, 1/8", 3/16", 1/4"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
<b>AMIN 12-030 GD/GH</b>		
Tungsten Carbide Burrs	up to Ø 20 mm	from 25
Burrs of HSS	up to Ø 8 mm	from 63
Mounted flap wheels SFV/M	Ø 40 mm	from 269
Mounted flap wheels SFI	Ø 30 mm	263
Mounted flap wheels SFA	Ø 15 mm, 20 mm, 30 mm	264
Abrasive Belts SBZY	up to Ø 30 mm	from 295
Abrasive Belts SBKE	up to Ø 36 mm	303
Abrasive Rolls SRZY/SRKE	up to Ø 20 mm	from 309
Abrasive Caps SK...	up to Ø 21 mm	from 313
Abrasive Sleeves SHKE	0885, 1385, 1885	321
Polishing Points P1	4020	137
Polishing Points P2	Ø 20 mm	140
Polishing Points P5	Ø 40 mm	153
<b>AMIN 15-030 GD</b>		
Tungsten Carbide Burrs	up to Ø 16 mm	from 25
Burrs of HSS	up to Ø 6 mm	from 63
Mounted flap wheels SFI	Ø 30 mm	263
Mounted flap wheels SFA	Ø 15 mm, 20 mm, 30 mm	264
Abrasive Belts SBZY	up to Ø 25 mm	from 295
Abrasive Belts SBKE	up to Ø 29 mm	303
Abrasive Rolls SRZY/SRKE	up to Ø 20 mm	from 309
Abrasive Caps SK...	up to Ø 16 mm	from 313
Abrasive Sleeves SHKE	0885, 1385	321



### Straight grinder – insulated

Ordering example: A3993102115



**Length:** approx. 310 mm  
**Diameter:** 52 mm  
**Weight:** approx. 2,3 kg  
**Drive:** vane motor  
 Integral speed regulator

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 15-100 GH	Lever	15.300	1	1	6	12	A3993102115	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, 6 mm collet and spanner

**Extra equipment:**

collets for Ø 8 mm, 9 mm, 3/16", 1/4", 5/16"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Tungsten Carbide Burrs	up to Ø 16 mm	from 25
Burrs of HSS	up to Ø 6 mm	from 63
Mounted Points	up to Ø 60 mm	from 93
Polishing Points P2	up to Ø 16 mm	from 140
Polishing Points P3	up to Ø 16 mm	from 144
Polishing Points P6	up to Ø 30 mm	from 155
Mounted flap wheels SFL/SFE/SFB/SFT/SFC	up to Ø 40 mm	from 253
Abrasive Caps SK...	up to Ø 16 mm	from 313
Abrasive Rolls SR...	up to Ø 20 mm	from 309
Abrasive Belts SBZY	up to Ø 22 mm	from 295
Abrasive Belts SBKE	up to Ø 29 mm	303



**Straight grinder with spindle extension – insulated**

Ordering example: A3993102115002



**Length:** approx. 615 mm<sup>1)</sup>  
**Diameter:** 47 mm  
**Weight:** approx. 2,1 kg  
**Drive:** vane motor  
 Integral speed regulator

<sup>1)</sup> Dimension with two spindle extensions

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 15-070 GH2L	Lever	15.300	0,7	0,7	6	10	A3993102115002	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, two spindle extensions (each 200 mm long), collet 6 mm and spanner

**Extra equipment:**

spindle extension: 200 mm (max. length of spindle extensions up to 1.200 mm), collets for Ø 8 mm, 9 mm, 3/16", 1/4", 5/16"



Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Mounted flap wheels SFL/B/T/E/C	up to Ø 40 mm	from 253
Mounted flap wheels SFI	Ø 30 mm	263
Mounted flap wheels SFA	Ø 15 mm, 20 mm, 30 mm	264
Abrasive Belts SBZY	up to Ø 25 mm	from 295
Abrasive Belts SBKE	up to Ø 29 mm	303
Abrasive Rolls SRZY/SRKE	up to Ø 20 mm	from 309
Abrasive Caps SK...	up to Ø 16 mm	from 313
Abrasive Sleeves SHKE	0885, 1385	321
Polishing Points P1	Ø 32 mm	from 137
Polishing Points P2	Ø 16 mm	from 140



### Straight grinder – insulated

Ordering example: A3993102115001



**Length:** approx. 310 mm  
**Diameter:** 52 mm  
**Weight:** approx. 2,2 kg  
**Drive:** vane motor  
 Integral speed regulator

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 15-100 GHl	Lever	15.300	1	1	6	12	A3993102115001	■
AMIN 19-100 GHl	Lever	19.000	1	1	6	12	A3993102119002	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, collet 6 mm and spanner

**Extra equipment:**

collets for Ø 8 mm, 9 mm, 3/16", 1/4", 5/16"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
<b>AMIN 15-100 GHl</b>		
Mounted flap wheels SFL/B/T/E/C	up to Ø 40 mm	from 253
Mounted flap wheels SFl	Ø 30 mm	263
Mounted flap wheels SFA	Ø 15 mm, 20 mm, 30 mm	264
Abrasive Belts SBZY	up to Ø 25 mm	from 295
Abrasive Belts SBKE	up to Ø 29 mm	303
Abrasive Rolls SRZY/SRKE	up to Ø 20 mm	from 309
Abrasive Caps SK...	up to Ø 16 mm	from 313
Abrasive Sleeves SHKE	0885, 1385	321
<b>AMIN 19-100 GHl</b>		
Mounted Points	Ø 50 mm	from 93
Mounted flap wheels SFL	Ø 20 mm	from 253
Abrasive Belts SBZY	up to Ø 19 mm	from 295
Abrasive Belts SBKE	up to Ø 29 mm	303
Abrasive Rolls SRZY/SRKE	up to Ø 13 mm	from 309
Abrasive Caps SK...	up to Ø 13 mm	from 313
Abrasive Sleeves SHKE	0885	321



**Straight grinder – insulated**

Ordering example: A3993102119



**Length AMIN 19-100 GH:** approx. 310 mm  
**Length AMIN 19-100 GHK:** approx. 190 mm  
**Diameter:** 52 mm  
**Weight GH:** approx. 2,3 kg  
**Weight GHK:** approx. 1,7 kg  
**Drive:** vane motor  
 Integral speed regulator

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 19-100 GH	Lever	19.000	1	1	6	12	A3993102119	■
AMIN 19-100 GHK	Lever	19.000	1	1	6	12	A3993102119001	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, collet 6 mm and spanner

**Extra equipment:**

collets for Ø 8 mm, 9 mm, 3/16", 1/4", 5/16"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Tungsten Carbide Burrs	up to Ø 12 mm	from 25
Burrs of HSS	up to Ø 4 mm	from 63
Mounted Points	up to Ø 50 mm	from 93
Polishing Points P1	up to Ø 50 mm	from 137
Polishing Points P2	up to Ø 12 mm	from 140
Polishing Points P3	up to Ø 10 mm	from 144
Polishing Points P5	up to Ø 50 mm	from 153
Polishing Points P6	up to Ø 16 mm	from 155
Abrasive Caps SK...	up to Ø 13 mm	from 313
Abrasive Rolls SR...	up to Ø 13 mm	from 309
Abrasive Belts SBZY	up to Ø 19 mm	from 295
Abrasive Belts SBKE	up to Ø 29 mm	303



### Straight grinder – insulated

Ordering example: A3993101120



**Length:** approx. 175 mm  
**Diameter:** 34,5 mm  
**Weight:** approx. 0,90 kg  
**Drive:** vane motor  
 Integral speed regulator

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 20-030 GD	Twist	20.000	0,3	0,53	6	8	A3993101120	■
AMIN 20-030 GH	Lever	20.000	0,3	0,45	6	8	A3993102120	■
AMIN 23-030 GD	Twist	23.000	0,3	0,54	6	8	A3993101123	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, collet 6 mm and spanner

**Extra equipment:**

collets for Ø 3 mm, 4 mm, 5 mm, 1/8", 3/16", 1/4"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
<b>AMIN 20-030 GD/GH</b>		
Tungsten Carbide Burrs	up to Ø 12 mm	from 25
Burrs of HSS	up to Ø 4 mm	from 63
Mounted flap wheels SFL	Ø 20 mm	from 253
Abrasive Belts SBZY	up to Ø 19 mm	from 295
Abrasive Belts SBKE	up to Ø 29 mm	303
Abrasive Rolls SRZY/SRKE	up to Ø 13 mm	from 309
Abrasive Caps SK...	up to Ø 13 mm	from 313
Abrasive Sleeves SHKE	0885	321
Mounted Points Shank 6 mm	Ø 22 mm, 25 mm, 32 mm, 40 mm	from 93
Polishing Points P2	Ø 13 mm	from 140
<b>AMIN 23-030 GD</b>		
Tungsten Carbide Burrs	up to Ø 12 mm	from 25
Burrs of HSS	up to Ø 4 mm	from 63
Abrasive Belts SFL	Ø 20 mm	from 253
Abrasive Belts SBZY	up to Ø 15 mm	from 295
Abrasive Rolls SRZY/SRKE	up to Ø 13 mm	from 303
Abrasive Caps SK...	up to Ø 13 mm	from 313
Abrasive Sleeves SHKE	0885	321
Mounted Points	up to Ø 40 mm	from 93
Polishing Points P1	Ø 10–20 mm	from 137
Polishing Points P2	Ø 5–10 mm	from 140
Polishing Points P5	Ø 8–20 mm	from 153



**Straight grinder – insulated**

Ordering example: A3993101130



**Length:** approx. 175 mm  
**Diameter:** 34,5 mm  
**Weight:** approx. 0,70 kg  
**Drive:** vane motor  
 Integral speed regulator

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 30-030 GD	Twist	30.000	0,3	0,45	6	6	A3993101130	■
AMIN 30-030 GH	Lever	30.000	0,3	0,45	6	6	A3993102130	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, collet 6 mm and spanner

**Extra equipment:**

collets for Ø 3 mm, 3,25 mm, 4 mm, 5 mm, 1/8", 3/16", 1/4"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Tungsten Carbide Burrs	up to Ø 8 mm	from 25
Burrs of HSS	up to Ø 3 mm	from 63
Mounted Points	up to Ø 32 mm	from 93
Polishing Points P1	up to Ø 32 mm	from 137
Polishing Points P2	up to Ø 10 mm	from 140
Polishing Points P3	up to Ø 10 mm	from 144
Polishing Points P5	up to Ø 32 mm	from 153
Polishing Points P6	up to Ø 12 mm	from 155
Abrasive Caps SK...	up to Ø 10 mm	from 313
Abrasive Rolls SR...	up to Ø 12 mm	from 309
Abrasive Belts SBZY	up to Ø 12 mm	from 295



### Straight grinder, insulated

Ordering example: A3993101132



**Length:** approx. 206 mm  
**Body diameter:** approx. 30 mm  
**Spindle casing diameter:** approx. 23 mm  
**Weight:** approx. 0,40 Kg  
**Drive:** vane motor  
**Partial front exhaust (can be restricted)**

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 32-027 GD	Twist	32.000	0,27	0,3	6	6	A3993101132	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, collet 6 mm and spanner

**Extra equipment:**

collets for Ø 3 mm, 1/8", 1/4"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Tungsten Carbide Burrs	up to Ø 8 mm	from 25
Burrs of HSS	up to Ø 3 mm	from 63
Mounted Points	up to Ø 32 mm	from 93
Polishing Points P1	up to Ø 32 mm	from 137
Polishing Points P2	up to Ø 10 mm	from 140
Polishing Points P3	up to Ø 10 mm	from 144
Polishing Points P5	up to Ø 32 mm	from 153
Polishing Points P6	up to Ø 12 mm	from 155
Abrasive Caps SK...	up to Ø 10 mm	from 313
Abrasive Rolls SR...	up to Ø 12 mm	from 309
Abrasive Belts SBZY	up to Ø 12 mm	from 295



**Straight grinder – insulated**

Ordering example: A3993101145



**Length:** approx. 175 mm  
**Diameter:** 34,5 mm  
**Weight:** approx. 0,70 kg  
**Drive:** vane motor

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 45-030 GD	Twist	45.000	0,3	0,5	6	6	A3993101145	■
AMIN 45-030 GH	Lever	45.000	0,3	0,5	6	6	A3993102145	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, collet 6 mm and spanner

**Extra equipment:**

collets for Ø 3 mm, 3,25 mm, 4 mm, 5 mm, 1/8", 3/16", 1/4"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Tungsten Carbide Burrs	up to Ø 6 mm	from 25
Mounted Points	up to Ø 20 mm	from 93
Polishing Points P1	up to Ø 20 mm	from 137
Polishing Points P2	up to Ø 6 mm	from 140
Polishing Points P3	up to Ø 6 mm	from 144
Polishing Points P5	up to Ø 20 mm	from 153
Polishing Points P6	up to Ø 10 mm	from 155
Abrasive Caps SK...	up to Ø 5 mm	from 313
Abrasive Belts SBZY	up to Ø 12 mm	from 295



### Straight grinder – insulated

Ordering example: A3993101155



**Length:** approx. 130 mm  
**Diameter:** 16 mm  
**Weight:** approx. 0,24 kg  
**Drive:** vane motor

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consump- tion under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 55-011 GD	Twist	55.000	0,11	0,15	3	5	A3993101155	■

#### Included with the machine:

inlet and exhaust air hoses plus silencer, collet 3 mm and spanner

#### Extra equipment:

collets for Ø 2 mm, 3,25 mm, 1/8", 3/32"

#### Characteristics:

- Highest powered machine in its class
- Compact design
- Lockable rotary switch

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Tungsten Carbide Burrs	up to Ø 5 mm	from 25
Mounted Points	up to Ø 16 mm	from 93
Polishing Points P1	up to Ø 16 mm	from 137
Polishing Points P2	up to Ø 5 mm	from 140
Polishing Points P5	up to Ø 16 mm	from 153
Abrasive Caps SK...	up to Ø 5 mm	from 313
Abrasive Belts SBZY	up to Ø 10 mm	from 295



**Straight grinder – insulated**

Ordering example: A3993101172



**Length:** approx. 154 mm  
**Diameter:** 27,5 mm  
**Weight:** approx. 0,45 kg  
**Drive:** vane motor

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 72-013 GD	Twist	72.000	0,13	0,21	3	5	A3993101172	■

**Included with the machine:**

inlet and exhaust air hoses plus silencer, collet 3 mm and spanner

**Extra equipment:**

collets for Ø 2 mm, 3,25 mm, 1/8", 3/32"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Tungsten Carbide Burrs	up to Ø 4 mm	from 25
Mounted Points	up to Ø 13 mm	from 93
Polishing Points P1	up to Ø 13 mm	from 137
Polishing Points P2	up to Ø 4 mm	from 140
Polishing Points P5	up to Ø 13 mm	from 153



**Turbo driven straight grinder – insulated**

Ordering example: A3993101170



**Length:** approx. 170 mm  
**Diameter:** Ø 20,6 mm, Ø 41,5 mm  
**Weight:** approx. 0,6 kg  
**Drive:** turbo  
 Integral speed regulator

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	Collet dia Ø mm	Hose-nominal size mm	Product-Number	
AMIN 70-025 TGD	Twist	70.000	0,25	0,43	3	6	A3993101170	■

**Features:**

- **Oil-free** and low maintenance
- Optimum weight for performance
- Integrated speed controller
- Automatic braking system to prevent overrun
- Lockable rotary switch

**Included with the machine:**

inlet and exhaust air hoses plus silencer, collet 3 mm and spanner

**Extra equipment:**

collets for Ø 4 mm, 5 mm, 6 mm, 1/8", 3/16", 1/4"

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Tungsten Carbide Burrs	up to Ø 4 mm	from 25
Mounted Points	up to Ø 13 mm	from 93
Polishing Points P1	up to Ø 8 mm	from 137
Polishing Points P2	up to Ø 4 mm	from 140
Polishing Points P5	up to Ø 6 mm	from 153



**Straight grinder for grinding wheels tapered both sides**

Ordering example: A79901021076



**AM 07/100 GH**

**Length:** approx. 530 mm  
**Diameter:** 74 mm  
**Weight:** approx. 3,8 kg  
**Drive:** vane motor  
 Integral speed regulator

**AM 11/080 GH**

**Length:** approx. 498 mm  
**Diameter:** 62 mm  
**Weight:** approx. 2,2 kg  
**Drive:** vane motor  
 Integral speed regulator

Description	Valve	Idle speed min <sup>-1</sup>	Power consumption KW	Air consumption under load m <sup>3</sup> /min	max. grinding wheel Ø mm	tool fitting mm	Hose-nominal size mm	max. peripheral speed m/s	Product-Number	
AM 07/100 GH	Lever	7.600	1,5	1,6	125 x 25	20	13	50	A79901021076	■
AM 11/080 GH	Lever	10.700	1,1	1,3	80 x 20	20	13	50	A39901012115001	■

**Included with the machine:**

connector for inlet hose with internal Ø 13 mm, mounting flange to suit grinding wheels tapered both sides and spanner

These straight grinders in conjunction with LUKAS grinding wheels are ideal for removing weld seams and flashes on castings. Grinding with double-sided tapered fettling wheels is permitted without the use of a wheel guard, but only when the special flanges are used; wheel blotters are not necessary. This type of machine is

equipped with safety flanges. Both flanges cannot be loosened due to the rotational direction of the spindle; even if the machine becomes jammed, the wheel will not become loose.

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
<b>AMIN 07/100 GH</b> Grinding wheel SE4	Ø 100–125 mm, Bore 20 mm	201
<b>AMIN 11/080 GH</b> Grinding wheel SE4	Ø 80 mm, Bore 20 mm	201



### Conditioning machine

Ordering example: A3995ESM1310



**Weight:** approx. 2,8 kg

Description	Idle speed min-1	Power input W	Max. tool diameter Ø mm	Tool width mm	Hole size mm	Product-Number	
ESM 1310	1.300 - 3.050	1.300	120	100	19	A3995ESM1310	■

**In conjunction with the appropriate tool, ideal for:**

- Satin finishing
- Polishing
- Smoothing
- Matt finishing
- Conditioning
- Brushing
- Deburring

**Special features :**

- Highly resilient motor (stable)
- Dual gear reduction (long service life)
- Dust-protected bearings (low wear)

Versatility due to electric motor allowing a wide selection of spindle speeds. In conjunction with the optimal tooling, a shadow free and uniform surface can be achieved on metal, wood and plastic.

**Electronic control:**

- Soft start
- Infinitely variable speed control
- Temperature and overload cut-off

Suited to LUKAS tools: Please take note of the relevant RPM stated on our packing material.	Dimension	Page
Polishing Roll P6	100 x 50 mm, 100 x 100 mm	160
Grinding Rolls SBZY	100 x 100 mm	304
Flap Rolls LWL, LWV, LWM, LWF	100 x 50 mm, 100 x 100 mm	from 289