

ANGLE GRINDERS VERTICAL GRINDERS

• PNEUMATIC



ANGLE GRINDERS

Illustrations can differ.

Grinding wheels up to 125 mm dia.

Part No.
1 4311 0010
1 4312 0010

Type _____: Rear exhaust

Accessories _____: see page 4



Pic.: Angle grinder 1 4311 0010
(Lever valve with safety pawl)

Grinding wheels up to 125 mm dia.

Part No.
1 5031 0020 / 1 5032 0010
1 5035 0020 / 1 5036 0010
1 5039 0020* / 1 5040 0010*
1 5043 0020* / 1 5044 0010*

1 1470 0020 / 1 1471 0010
1 1472 0020 / 1 1473 0010*
1 1474 0020 / 1 1475 0010*

* without wheel guard

Accessories _____: see page 4



Pic.: Angle grinder 1 5035 0020
(Twist valve with self-resetting)

Grinding wheels up to 178 mm dia.

Type with safety twist valve with self-resetting and lubricator or safety lever valve with safety pawl and lubricator are available.

Part No.	Free speed (rpm)	Valve
1 1488 0010	7.200	Twist
1 1488 0110	7.200	Lever

Additional speed and types on request.

Accessories _____: see page 4



Pic.: Angle grinder 1 1488 0010
(Twist valve with self-resetting and lubricator)

Grinding wheels up to 178 mm or 230* mm dia.

Part No.	Grinding wheel dia.
1 2150 0010	178 mm
1 2140 0010	230 mm

Free speed 6.500 rpm* / 8.500 rpm

Accessories _____: see page 4



Pic.: Angle grinder 1 2150 0010
(Lever valve with safety pawl)

TECHNICAL SPECIFICATION

Illustrations can differ.

TECHNICAL SPECIFICATION

Performance data at an operating pressure / flow pressure of 6 bar.
Subject to technical changes.

Type	Free speed rpm	Power kW	Air consumption m ³ /min	Air connection (female) R 1/4"	Hose I/D mm	Valve type	Exhaust guide	Mounting Thread	Wheel guard for dia. mm	for dia. Rubber backing pad for dia. Painted cup brush	Length mm	Weight without accessories kg	
1 4311 0010	11600	0,30	0.55	R 1/4"	9	Lever	rear	22.2 / M14	125		263	1.65	
1 4312 0010	11600	0,30	0.55	R 1/4"	9	Twist	rear	22.2 / M14	125		227	1.60	
1 5031 0020	8000	0,70	0.85	R 1/4"	10	Twist	lateral	22.2 / M14	125		295	1.95	
1 5032 0010	8000	0,70	0.85	R 1/4"	10	Lever	lateral	22.2 / M14	125		262	1.90	
1 5035 0020	12000	0,70	0.85	R 1/4"	10	Twist	lateral	22.2 / M14	125		295	1.95	
1 5036 0010	12000	0,70	0.85	R 1/4"	10	Lever	lateral	22.2 / M14	125		262	1.90	
1 5039 0020	8000	0,70	0.85	R 1/4"	10	Twist	lateral	22.2 / M14	125	120	295	1.95	
1 5040 0010	8000	0,70	0.85	R 1/4"	10	Lever	lateral	22.2 / M14	125	120	262	1.90	
1 5043 0020	8000	0,70	0.85	R 1/4"	10	Twist	lateral	22.2 / M14	125	80	295	1.95	
1 5044 0010	8000	0,70	0.85	R 1/4"	10	Lever	lateral	22.2 / M14	125	80	262	1.90	
1 1470 0020	8000	1,00	1.25	R 1/4"	10	Twist	lateral	22.2 / M14	125		305	2.00	
1 1471 0010	8000	1,00	1.25	R 1/4"	10	Lever	lateral	22.2 / M14	125		272	1.95	
1 1472 0020	8000	1,00	1.25	R 1/4"	10	Twist	lateral	22.2 / M14	125	120	305	2.00	
1 1473 0010	8000	1,00	1.25	R 1/4"	10	Lever	lateral	22.2 / M14	125	120	272	1.95	
1 1474 0020	8000	1,00	1.25	R 1/4"	10	Twist	lateral	22.2 / M14	125		80	305	2.00
1 1475 0010	8000	1,00	1.25	R 1/4"	10	Lever	lateral	22.2 / M14	125		80	272	1.95
1 1488 0010	7200	1,00	1.40	R 1/2"	13	Twist	lateral twistable	22.2 / M14	178		485	4.30	
1 1488 0110	7200	1,00	1.40	R 1/2"	13	Lever	lateral twistable	22.2 / M14	178		485	4.30	
1 2140 0010	6500	3,60	3.90	R 3/4"	15	Lever	rear	22.2	230		360	5.90	
1 2150 0010	8500	3,60	3.90	R 3/4"	15	Lever	rear	22.2	178		360	5.90	

Type : Collet with flange, wheel flange and protection hood. Additional collets on request.

VERTICAL GRINDERS

TECHNICAL SPECIFICATION

Performance data at an operating pressure / flow pressure of 6 bar.
Subject to technical changes.

Grinding wheels up to 230 mm dia.

Type	Grinding wheel mm	Free speed rpm	Power kW	Air consumption m ³ /min	Air connection (male) R 1/2"	Hose I/D mm	Height mm	Weight kg
1 1834 0010	125x2-10x22	12200	1.2	1.25	R1/2"	13	160.5	2.56
1 1840 0010	178x4-10x22	8500	1.0	1.25	R1/2"	13	166.0	2.90
1 2034 0010	178x2,5-10x22	8500	2.7	2.60	R3/4"	15	180.0	4.40
1 2040 0010	230x2,5-10x22	6500	2.3	2.30	R3/4"	15	180.0	4.70

Additional collets on request.

Grinding wheels up to 300 mm dia.

Type	Grinding wheel mm	Free speed rpm	Power kW	Air consumption m ³ /min	Air connection (male) R 3/4"	Hose I/D mm	Height mm	Weight kg
1 2122 0010	300x3x22	5100	3.75	3.20	R3/4"	19	205	8.40



Pic.: Vertical grinder 1 1840 0010
with sensor lever valve



Pic.: Vertical grinder 1 2122 0010
with sensor lever valve

ACCESSORIES

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Description	Thread / Size	Part No.
Hand hose, length 2.5 m with automatic oiler R 1/4"	R 1/4" male	9 3610 0180
Hand hose, length 2.5 m with automatic oiler R 1/2"	R 1/2" male	9 3610 0350
Hand hose, length 2,5 m only	R 1/4" male	9 3610 0200
Service unit with filter and oiler	R 1/2" female	9 2406 0050
Service unit with filter, oiler and pressure regulator	R 1/2" female	9 2406 0140
Service unit with filter and oiler	R 3/4" female	9 2406 0080
Service unit with filter, oiler and pressure regulator	R 3/4" female	9 2406 0170
Service unit with protective housing, filter, oiler and pressure regulator	R 1/2" male	9 2406 0630
Service unit with protective housing, filter, oiler and pressure regulator	R 3/4" male	9 2406 0650
Open-ended spanner DIN 894	WS 24	9 1301 0100
Pin spanner	11-60 (dia. 4) mm	9 1417 0080
Rubber disc for angle grinder Type 1 50..., 1 1470... - 1 1474...	dia. 125 mm	9 2818 0010
Bow handle for angle grinder Type 1 4311, 1 4312	dia. 178 mm	9 2818 0020
		1 4310 6900



Pic.: Service unit



Pic.: Service unit with protective housing

Description	for Type	Part No.
Transport box	1 2140...	9 9910 0050
	1 2122...	9 9910 0060
	1 18..., 1 20...	9 9910 0070
	1 1470... - 1 1475..., 1 43..., 1 50...	9 9910 0090
	1 1488... - 1 1490...	5 1212 9000



Offset roughing wheels, abrasive cut-off wheels, abrasive flap wheels, fibre discs for rubber backing pads and painted cup brushes on request.

ADDITIONAL GRINDERS

DIE GRINDERS

Straight die grinders are available with different collets from 3 mm to 8 mm. Front or rear exhaust.

With short or extended grinding spindle or also with neck.

Two valve designs are available :

- Twist valve with self-resetting
- Lever valve with safety pawl

Common to all tools :

Almost vibration-free by elastic connection of drive shaft and spindle.
Low noise level.

Please find detailed information in our brochure „DIE GRINDERS“.

STRAIGHT GRINDERS

Straight grinders are available in various power rates and speeds, suitable for every grinding job at 30, 45 or 80 m/s.

Common to all tools :

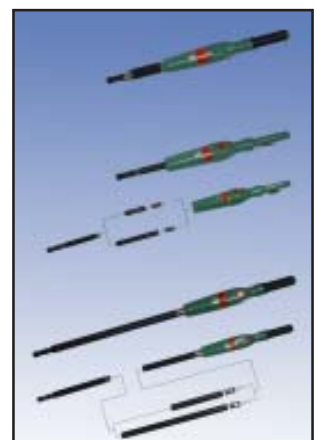
Excellent performance / weight ratio and clamping attachments for standard wheel sizes. We supply on request clamping flanges to suit your wheel size in order to accomplish any grinding job efficiently.

Two valve types are available :

- Twist valve with self-resetting
 - Lever valve with safety pawl
- ...each can be supplied with lubricator.

High torque / speed with fast and safe acting speed regulator. Almost vibration-free by elastic connection of drive shaft and spindle. Robust extension with multi gear clutch for industrial use. Advantageous power/weight ratio. Low noise level.

Please find detailed information in our brochure „STRAIGHT GRINDERS“.



SPITZNAS

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