



# PIONEER INTERTRADE

## PRODUCT CATALOGUE

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**SPITZNAS**  
Grinders  
are suitable  
for heavy duty  
grinding applications  
such as  
in Foundries



**THE STRONGEST & TOUGHEST TOOLS  
IN THE MARKET.**

**SPITZNAS** straight grinders are available in various power rates and speeds for every grinding job at 30, 45 or 80 m/s. All straight grinders feature excellent performance/weight ratio, High torque/speed with fast and sure acting speed-regulator. These grinders are almost vibration free through elastic connection of drive shaft and spindle. Robust extension with multi-gear clutch for Industrial Use. Low noise level.



**Straight Grinders**

**For Medium Duty**

One or two-hand operation  
Part No. 1 1454 0010 / 1 1454 0050  
Part No. 1 1484 0010 / 1 1484 0050  
Ball beared grinder spindle.  
Collets according to the list "Collets"  
Twist throttle with oiler and sensor.



Picture : Straight grinder 1 1454 0010

**Extensions**

Additional extensions to be mounted between motor body and spindle up to length of max. 1250 mm permit deep reaching grinding jobs.  
Dia. 24 x 100 mm Part No. 1 1433 7940      Dia. 30 x 2500 mm Part No. 1 1450 79430  
Dia 24 x 200 mm Part No. 1 1433 7940      Dia 30 x 500 mm Part No. 1 1450 7940

**Collets**

In addition to standard collets of 6 and 8 mm diameter (index number 0010 and 0050) collets 3 mm diameter (9 2912 0050) or collets 1/4" (9 2912 0060) are available.

**For Light Duty**

Neck diameter 24 mm.  
Extension up to approx. 1250 mm

Special Long Neck  
models for grinding  
in difficult castings

- Part No. 1 1450 0010 / 1 1450 0050
- Part No. 1 1451 0010 / 1 1451 0050
- Part No. 1 1452 0010 / 1 1452 0050
- Part No. 1 1453 0010 / 1 1453 0050
- Part No. 1 1480 0010 / 1 1480 0050
- Part No. 1 1481 0010 / 1 1481 0050
- Part No. 1 1482 0010 / 1 1482 0050
- Part No. 1 1483 0010 / 1 1483 0050



Twist throttle with oiler and sensor.

Picture : Straight grinder 1 1450 0010, extended to 500 mm

**Technical Specification 1 16..**

Performance data at an operating pressure / flow pressure of 6 bar.

Type	Grinding wheels Ø x thickness x bore	max. peripheral speed	Free speed	Power	Air consumption	Air connection	Hose ID	Length	Weight
Type	mm	m/s	rpm	kW	m <sup>3</sup> /min		mm	mm	kg
1 1625 0010	150x40x25 / 80x10	30	3800	1.5	1.5	R 3/4" m	15	530	5.3
1 1626 0010	125x30x25 / 60x10	30	4600	1.6	1.6	R 3/4" m	15	530	5.1
1 1627 0010	150x30x25	45	5800	1.8	1.8	R 3/4" m	15	530	5.3
1 1644 0010	150x30x25	80	10190	2.0	2.0	R 3/4" m	15	530	5.3

**Technical Specification / Accessories**

**Technical Specification 1 14..**

Performance data at an operating pressure / flow pressure of 6 bar

Free speed 10000 rpm			Free speed 12000 rpm			Length	Weight	Collet chuck	Collet dia.	for straight grinding wheels	Flange dia.	Bore of grinding wheel	Width of grinding wheel	for conical grinding wheels	Flange dia.	Bore of grinding wheel	Width of grinding wheel	Form grinding wheel	Neck dia.	Extended
Type	kW	m <sup>3</sup> /min	Type	kW	m <sup>3</sup> /min															
1 1454 0010	1.25	1.5	1 1484 0010	1.7	1.7	635	3.15	X	6											
1 1454 0020	1.25	1.5	1 1484 0020	1.7	1.7	615	3.40			X	34	20	20							
1 1454 0030	1.25	1.5	1 1484 0030	1.7	1.7	615	3.45			X	42	20	20							
1 1454 0040	1.25	1.5	1 1484 0040	1.7	1.7	600	3.15													M12
1 1454 0050	1.25	1.5	1 1484 0050	1.7	1.7	635	3.15	X	8											
1 1454 0060	1.25	1.5	1 1484 0060	1.7	1.7	615	3.20							X	50	20	25-32			
1 1454 0070	1.25	1.5	1 1484 0070	1.7	1.7	615	3.25							X	63	20	25-32			
1 1450 0010	1.25	1.5	1 1480 0010	1.7	1.7	1020	4.75	X	6											30 500
1 1450 0050	1.25	1.5	1 1480 0050	1.7	1.7	1020	4.75	X	8											30 500
1 1451 0010	1.25	1.5	1 1481 0010	1.7	1.7	1270	5.50	X	6											30 750
1 1451 0050	1.25	1.5	1 1481 0050	1.7	1.7	1270	5.50	X	8											30 750
1 1452 0010	1.25	1.5	1 1482 0010	1.7	1.7	1520	6.15	X	6											30 1000
1 1452 0050	1.25	1.5	1 1482 0050	1.7	1.7	1520	6.15	X	8											30 1000
1 1453 0010	1.25	1.5	1 1483 0010	1.7	1.7	1770	6.90	X	6											30 1250
1 1453 0050	1.25	1.5	1 1483 0050	1.7	1.7	1770	6.90	X	8											30 1250
1 1455 0010	1.25	1.5	1 1485 0010	1.7	1.7	622	4.40	X	6											24 138
1 1455 0050	1.25	1.5	1 1485 0050	1.7	1.7	622	4.40	X	8											24 138
1 1456 0010	1.25	1.5	1 1486 0010	1.7	1.7	722	4.70	X	6											24 238
1 1456 0050	1.25	1.5	1 1486 0050	1.7	1.7	722	4.40	X	8											24 238
1 1457 0010	1.25	1.5	1 1487 0010	1.7	1.7	922	5.25	X	6											24 438
1 1457 0050	1.25	1.5	1 1487 0050	1.7	1.7	922	5.25	X	8											24 438

Straight grinders of type series 1 14.. with air connection R1/2" female for hose I/D 13 mm.

**For Light Duty**

Neck diameter 24 mm.  
Extension up to approx. 500 mm  
Part No. 1 1455 0010 / 1 1455 0050  
Part No. 1 1456 0010 / 1 1456 0050  
Part No. 1 1457 0010 / 1 1457 0050  
Part No. 1 1485 0010 / 1 1485 0050  
Part No. 1 1486 0010 / 1 1486 0050  
Part No. 1 1487 0010 / 1 1487 0050



Grinder spindle in needle bearings.  
Collets according to the list "Collets"  
Twist throttle with oiler and sensor.

Picture :  
Straight grinder 1 1485 0010

**For Heavy Duty**

Part No. 1 1625 0010  
Part No. 1 1626 0010  
Part No. 1 1644 0010



For grinding wheels up to 150 mm  
Twist throttle with oiler and sensor.

Picture : Straight grinder 1 1625 0010



For grinding wheels up to 125 mm dia.

PartNo.1 43110010  
PartNo.1 43120010

Flange mounting and wheel guard.

Accessories:

Rough-grinding wheel 125 mm dia., exhaust air hose, bow



Picture : Angle grinder 1 4311 0010  
Design : Lever throttle with safety pawl

The Lower overall height of SPITZNAS Angle grinders allows also working in confined spaces.

Vertical Grinders are specially suitable for weld slag removal.

## Angle Grinders

For grinding wheels up to 125 mm dia.

Part No. 1 5031 0020 / 1 5032 0010  
Part No. 1 5035 0020 / 1 5036 0010  
Part No. 1 5039 0020\* / 1 5040 0010  
Part No. 1 5043 0020 / 1 5044 0010\*  
Part No. 1 1470 0020 / 1 1471 0010  
Part No. 1 1472 0020 / 1 1473 0010\*  
Part No. 1 1474 0020 / 1 1475 0010\*

Flange mounting and wheel guard.  
Accessories : Rough-grinding wheel 125 mm dia.  
Rubber backing pad, plated cup brush.



Picture : Angle grinder 1 5036 0010  
Design : Lever throttle with safety pawl

## TECHNICAL SPECIFICATION / ACCESSORIES

### TECHNICAL SPECIFICATION

Performance data at an operating pressure / flow pressure of 6 bar.

Type	Free speed rpm	Power kW	Air consumption m <sup>3</sup> /min	Air connection (female) mm	Hose ID mm	Valve type	Exhaust guide	Mounting Thread	Wheel guard for dia. mm	Rubber backing pad for dia. mm	Painted cup brush for dia. mm	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	120	120		295	1.95
1 5040 0010	8000	0.70	0.85	R 1/4"	10	Lever	lateral	22.2 / M14	120			262	1.90
1 5043 0020	8000	0.70	0.85	R 1/4"	10	Twist	lateral	22.2 / M14			80	295	1.95
1 5044 0010	8000	0.70	0.85	R 1/4"	10	Lever	seitlich	22.2 / M14			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		120		305	2.00
1 1473 0010	8000	1.00	1.25	R 1/4"	10	Lever	lateral	22.2 / M14	120			272	1.95
1 1474 0020	8000	1.00	1.25	R 1/4"	10	Twist	lateral	22.2 / M14			80	305	2.00
1 1475 0010	8000	1.00	1.25	R 1/4"	10	Lever	lateral	22.2 / M14			80	272	1.95
1 1440 0050	7200	1.00	1.40	R 1/2"	13	Twist	lateral twistable	22.2 / M14	178			464	3.95
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

### ACCESSORIES

Description	Thread	Size	Part No.
Hand hose, length 2.5 m with automatic lubricator R 1/4"	R 1/4" male		9 3610 0180
Hand hose, length 2.5 m with automatic lubricator 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 lubricator	R 1/2" female		9 2406 0050
Service unit with filter, lubricator and pressure regulator	R 1/2" female		9 2406 0140
Service unit with filter and lubricator	R 3/4" female		9 2406 0080
Service unit with filter, lubricator and pressure regulator	R 3/4" female		9 2406 0170
Open-ended spanner DIN 984		24 mm	9 1301 0100
Pin spanner			9 1417 0080

### Offset roughing wheels

Bore dia.	Thickness	for	125 mm dia.	178 mm dia.	230 mm dia.
22 mm	6 mm	Steel	9 2826 0400	9 2826 0500	9 2826 0140
22 mm	6 mm	Aluminium	9 2826 0410	9 2826 0510	9 2826 0150
22 mm	6 mm	Grey cast iron	9 2826 0420	9 2826 0520	9 2826 0160
22 mm	6 mm	Stainless steel	9 2826 0430	9 2826 0630	

### Abrasive cut-off wheels

Bore dia.	Thickness	for	125 mm dia.	178 mm dia.	230 mm dia.
22 mm	2.5 mm	Stone	9 2815 0400	9 2815 0500	9 2815 0100
22 mm	2.5 mm	Aluminium	9 2815 0410	9 2815 0510	9 2815 0110
22 mm	2.5 mm	Steel / Casting	9 2815 0430	9 2815 0530	9 2815 0090
22 mm	2.5 mm	Stainless steel	9 2815 0420	9 2815 0520	

### Abrasive flap wheels

Bore dia.	Grit size	125 mm dia.	178 mm dia.	Bore dia.	Grit size	125 mm dia.	178 mm dia.
22 mm	40	9 2827 1200	9 2827 1300	22 mm	24	9 2819 0010	9 2819 0020
22 mm	60	9 2827 1210	9 2827 1310	22 mm	60	9 2819 0100	9 2819 0110
22 mm	80	9 2827 1220	9 2827 1320	22 mm	100	9 2819 0160	9 2819 0170
				Plastic		9 2830 0010	9 2830 0020

### Painted cup brushes

dia.	Thread	Speed, max.	Material	Part No.
65 mm	M 14	10400 rpm	Steel	9 2708 0140
80 mm	M 14	8400 rpm	Steel	9 2708 0010
80 mm	M 14	8400 rpm	Stainless steel	9 2709 0010

For grinding wheels up to 230 mm dia.\* / up to 178 mm dia.

Angle grinder with twist throttle (with lubricator) and sensor.

Part No. : 1 2140 0010\*  
Part No. : 1 2150 0010

Free speed 6500 rpm\* / 8500 rpm

Flange mounting and wheel guard.

Accessories :

Rough-grinding wheel 230 mm dia\* / 178 mm dia.



Picture : Angle grinder 1 2150 0010  
(Lever throttle with safety pawl)

SPITZNAS Two-hand grinders feature - Adjustable exhaust-air guide, easy exchange of clamping attachment for rubber backing pads, brushes and cup stones, sensitized safety valve in std. version and excellent performance/weight ratio.

Two hand model comes with large grinding wheel up to 300 mm dia.

For grinding wheels up to 230 mm dia.

Type	Grinding wheels mm	Free speed rpm	Power kW	Air consumption m <sup>3</sup> /min	Airconnection (male) mm	Hose ID 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	230x2.5-10x20	6500	2.3	2.30	R3/4"	15	180.0	4.70



Picture : Vertical grinder 1 1840 0010 with sensor lever throttle

For grinding wheels up to 300 mm dia.

Type	Grinding wheels mm	Free speed rpm	Power kW	Air consumption m <sup>3</sup> /min	Airconnection (male) mm	Hose ID mm	Height mm	Weight kg
1 2122 0010	300x3x22	5100	3.75	3.20	R3/4"	19	205	8.40



Picture : Vertical grinder 1 2122 0010 with sensor lever throttle

Other spindles with different diameters for additional grinding wheels on request.