

Oil-free grinders - for finest deburring operations

TVD 3-100/2



T 3-65 S



T 365/2



T 6-50 S



TSD 385



(TSH 385 - but with lever valve)

TVD 3-100/2

100.000 rpm and an elastic spindle support mean you achieve an optimal surface quality when working on metallic materials. Noise emissions are also low. Thanks to the turbo drive it can be operated without lubrication (oil-free). No chatter marks also with finest deburring jobs.

T 3-65 S

This newly developed, low-maintenance turbine drive is very powerful and runs at 65.000 rpm. The motor requires absolutely no oil. Thanks to the double support, clean surfaces can be achieved quickly and easily. Persuasive due to smooth and gentle mode.

T 365/2

The turbo drive means that this machine needs no lubrication either. A brake run provides a high level of safety. A governor valve ensures that the speed remains constant whatever the load and serves to reduce air consumption. An elastic spindle support considerably improves the surface quality and reduces the wear of the milling tool.

T 6-50 S

With the same ergonomic design like the turbo grinder T 3-65 S and also oil-free and silent pneumatic actuator. Developed specifically for use with shaft diameters up to 6 mm. Thus ideal for spotting of molds.

TSD 385 / TSH 385

This grinder, with its multi-disc motor, has a unique and patented oil-free drive. As with turbo drives, the machine needs no lubrication and is nevertheless slim and handy. It has the same durability of lubricated multi-disc motors. A double row of bearings means that this grinder is even suited to extreme applications.

Name	TVD 3-100/2	T 3-65 S	T 365/2	TSD 385	TSH 385	T 6-50 S
Valve	Rotary valve	Rotary valve	Slide valve	Rotary valve	Lever valve	Rotary valve
Exhaust air direction	forwards	backwards	backwards	backwards	backwards	backwards
Front bearing set	elastic	pair	elastic	pair	pair	pair
Revolutions per minute [min ⁻¹]	100.000	65.000	65.000	85.000	85.000	50.000
Power [watts]	80	80	80	100	100	150
Air consumption [l/min]	180	250	180	170	170	270
Noise level [db (A)]	70	70	70	74	74	70
Weight [g]	250	390	220	190	210	400
Max. tool shank Ø [mm]	3	3	3	3	3	6
Max. tool Ø [mm]						
- HM tools	3	3	6	4	4	6
- Profile grinding body	5	6	8	6	6	10
Synthetic grinding discs	-	-	-	-	-	-
Collet	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm	ZG 4/6 mm
Hose unit	001 366 537 inclusive	001 367 502 inclusive	001 366 594 inclusive	001 366 576 inclusive	001 366 576 inclusive	001 367 503 inclusive
Order no.	150 149 906	150 149 810	150 149 730	150 001 710	150 001 700	150 149 820

We will send you measurement and exploded drawings on request.

For fine grinding, milling and engraving works. 85.000 rpm

SRD 3-85/2 – SRH 3-85/2

This perfectly constructed machine can be also fitted at the front with a pair of high-performance supports instead of a single one and is, therefore, the ideal tool for extreme and long-term use.

It is nevertheless light and sits snugly in your hand. Due to the high speed of this grinder it creates a very clean pattern, which makes it ideal for fine grinding, milling and engraving jobs.

The following variants of the machine are available:

- Support:** Single or pair
- Valve:** Rotary or lever valve
- Exhaust air direction:** Backwards or forwards

SRD 3-85/2

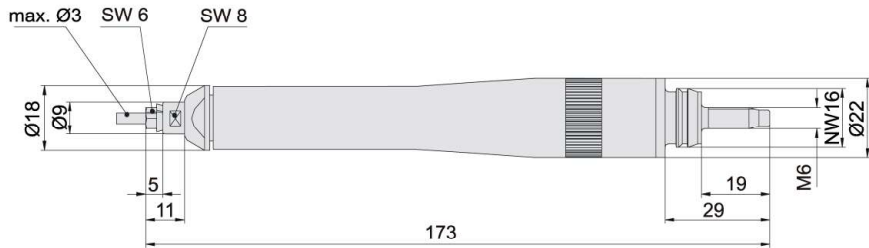


SRH 3-85/2



BIAX Compressed air tools

For example, the lubrication-free high speed products. Professionals from all over the world appreciate the excellent product characteristics and exemplary quality.



SRD 3-85/2

Name	SRD 3-85/2	SRD 3-85/2D	SVD 3-85/2	SVD 3-85/2D	SRH 3-85/2	SRH 3-85/2D	SVH 3-85/2	SVH 3-85/2D
Valve	Rotary valve	Rotary valve	Rotary valve	Rotary valve	Lever valve	Lever valve	Lever valve	Lever valve
Exhaust air direction	backwards	backwards	forwards	forwards	backwards	backwards	forwards	forwards
Front bearing set	single	pair	single	pair	single	pair	single	pair
Revolutions per minute [min ⁻¹]	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Power [watts]	80	80	80	80	80	80	80	80
Air consumption [l/min]	170	170	170	170	170	170	170	170
Noise level [db (A)]	76	76	78	78	76	76	78	78
Weight [g]	130	140	180	190	170	170	210	220
Max. tool shank Ø [mm]	3	3	3	3	3	3	3	3
Max. tool Ø [mm]								
- HM tools	4	4	4	4	4	4	4	4
- Profile grinding body	6	6	6	6	6	6	6	6
Synthetic grinding discs	-	-	-	-	-	-	-	-
Collet	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm	ZG 5/3 mm
Hose unit	001 366 595	001 366 595	001 366 537	001 366 537	001 366 595	001 366 595	001 366 539	001 366 539
	inclusive	inclusive	-	-	inclusive	inclusive	-	-
Order no.	150 001 060	150 001 035	150 001 085	150 001 080	150 001 065	150 001 040	150 001 070	150 001 075

We will send you measurement and exploded drawings on request.

High-speed pencil grinders. 55.000 rpm

Standard



Auto-Lock



KE-System



SRD 3-55/2

Lightweight, with a proven, low-vibration SRD 355 motor; it ensures high precision and a long operating life. Its lightness and ergonomic form means that you don't tire quickly and allows you to carry out delicate deburring. It can be guided like a pencil and is also qualified for fine grinding, milling and engraving operations.

SRD 3-55/2 S

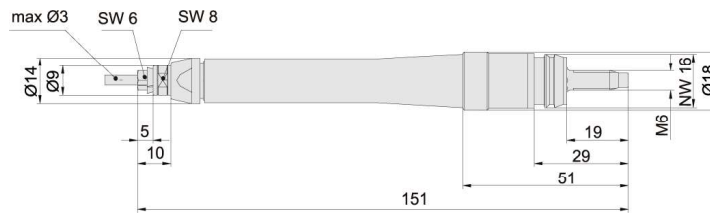
The unique quick-change system works with standard tools such as HM cutters or grinding bodies.

- No opening and shutting the collet with tool keys — you save time and increase productivity
- No collet wear — you save money.

SRD 3-55/2 KE

The basis of the machine is the standard model. This tool also has an adjustable attachment for cutting edges.

Different settings create different chamfer values. A very fast and consistent chamfering is the result.



SRD 3-55/2

Name	SRD 3-55/2	SRD 3-55/2 S	SRD 3-55/2 KE
Valve	Rotary valve	Rotary valve	Rotary valve
Exhaust air direction	backwards	backwards	backwards
Front bearing set	single	single	single
Revolutions per minute [min ⁻¹]	55.000	55.000	55.000
Power [watts]	60	60	60
Air consumption [l/min]	170	170	170
Noise level [db (A)]	74	74	74
Weight [g]	93	103	95
Max. tool shank Ø [mm]	3	3	3
Max. tool Ø [mm]			
- HM tools	6	4	TCA 0303-63 incl.
- Profile grinding body	8	8	-
Synthetic grinding discs	-	-	-
Collet	ZG 5/3 mm	-	ZG 5/3 mm
Hose unit	001 366 595 inclusive	001 366 595 inclusive	001 366 595 inclusive
Order no.	150 000 925	150 000 935	150 000 965

We will send you measurement and exploded drawings on request.

High-power grinders. 45.000 rpm

SRD 6-45/2 – SRH 6-45/2

This high-performance grinder is the improved successor of the proven straight grinder SRD 645. Despite the high speed of 45.000 rpm, it consumes just 260 W of power. This design required a further improvement of the ratio of performance to air consumption. The lightweight and ergonomic shape also ensure perfect handling.



SRD 6-45/2

SRD 6-45/2 SL

This BIAX grinder has a special **floating** support which prevents chatter marks, and guarantees an excellent surface quality. Furthermore it operates with reduced noise level.



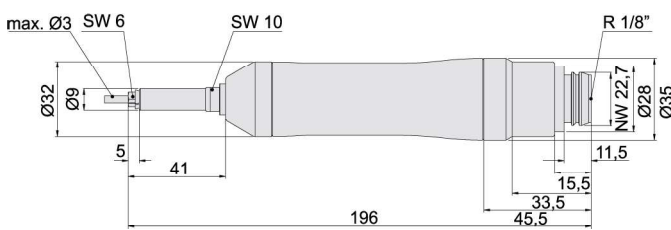
SRD 6-45/2 **SL**
low vibration

SRD 3-45/2 – SRH 3-45/2

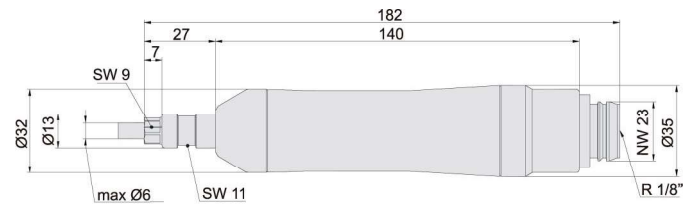
A finish similar to that achieved with the SRD 6-45/2, but using a long, thin tool spindle to reach more difficult to access areas.



SRD 3-45/2



SRD 3-45/2



SRD 6-45/2

Name	SRD 6-45/2	SRH 6-45/2	SRD 6-45/2 SL	SRH 6-45/2 SL	SRD 3-45/2	SRH 3-45/2
Valve	Rotary valve	Lever valve	Rotary valve	Lever valve	Rotary valve	Lever valve
Exhaust air direction	backwards	backwards	backwards	backwards	backwards	backwards
Front bearing set	single	single	floating	floating	single	single
Revolutions per minute [min ⁻¹]	45.000	45.000	45.000	45.000	45.000	45.000
Power [watts]	260	260	260	260	260	260
Air consumption [l/min]	380	380	380	380	380	380
Noise level [db (A)]	76	76	76	76	76	76
Weight [g]	310	360	590	610	310	360
Max. tool shank Ø [mm]	6	6	6	6	3	3
Max. tool Ø [mm]						
- HM tools	8	8	8	8	6	6
- Profile grinding body	10	10	10	10	10	10
Synthetic grinding discs	-	-	-	-	-	-
Collet	ZG 4/6 mm	ZG 4/6 mm	ZG 4/6 mm	ZG 4/6 mm	ZG 5/3 mm	ZG 5/3 mm
Hose unit	001 366 577	001 366 577	001 366 577	001 366 577	001 366 577	001 366 577
Order no.	150 010 750	150 010 760	150 010 755	150 010 765	150 010 770	auf Anfrage

We will send you measurement and exploded drawings on request.

High-power grinders. 30.000 rpm

SRD 8-30/2



SRD 8-30/2 SRH 8-30/2
SARD 830 SARH 830

Due to its revolution speed and high performance this quality machine can be used diversely, e.g. with a collet for tools of 3–8 mm diameter.

A very impressive machine that stands for endurance and strength whilst meeting all ergonomic and weight requirements.

A version with a pair of supports for hard applications is also available.

SBRD 830



SBRD 830 SBRH 830

The machine was constructed using the SRD 8-30/2 as a basis, and is designed for extreme loads.

The extended spindle means you can use it with both hands.

The pair of bearing set increases the tool's life. Ideal for slight roughing of cast parts.

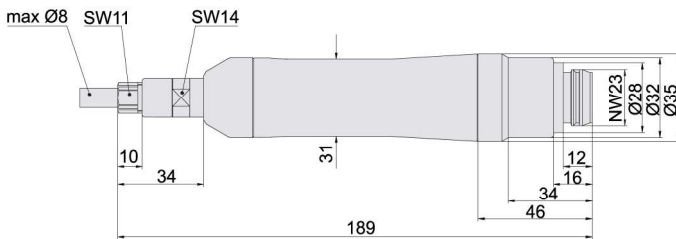
SVKH 630



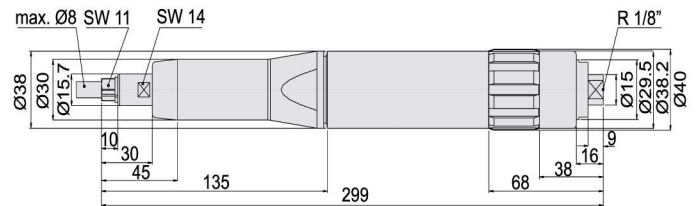
SVKH 630

Easy to handle and strong - these two characteristics come together perfectly in this machine.

Its compact size, high torque and the special forward exhaust air direction are additional features.



SRD 8-30/2



SBRD 830

Name	SRD 8-30/2	SRH 8-30/2	SARD 830	SARH 830	SBRD 830	SBRH 830	SVKH 630
Valve	Rotary valve	Lever valve	Rotary valve	Lever valve	Rotary valve	Lever valve	Lever valve
Exhaust air direction	backwards	backwards	backwards	backwards	backwards	backwards	forwards
Front bearing set	single	single	pair	pair	pair	pair	single
Revolutions per minute [min ⁻¹]	30.000	30.000	30.000	30.000	30.000	30.000	30.000
Power [watts]	240	240	260	260	260	260	280
Air consumption [l/min]	450	450	400	400	400	400	420
Noise level [db (A)]	76	76	75	75	75	75	78
Weight [g]	370	410	500	520	720	750	360
Max. tool shank Ø [mm]	8	8	8	8	8	8	8
Max. tool Ø [mm]							
- HM tools	10	10	10	10	10	10	10
- Profile grinding body	16	16	16	16	16	16	16
Synthetic grinding discs	32	32	32	32	32	32	32
Collet	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm
Hose unit	001 366 577	001 366 577	001 366 505	001 366 505	001 366 505	001 366 505	001 366 502
Order no.	150 010 920	150 010 925	150 012 005	150 012 015	150 012 022	150 012 032	150 011 850

We will send you measurement and exploded drawings on request.

SRD 8-30/2 SL SRH 8-30/2 SL

This BIAX grinder has a special **floating** support which prevents chatter marks and ensures a super surface quality.



SRD 8-30/2 SL
low vibration

SRD 6-30/2 SRH 6-30/2

This high-performance grinder is the improved successor of the proven straight grinder SRD 630. Despite its high speed of 30.000 rpm, it consumes just 150 W of power.

This design required further improvement of the ratio of performance to air consumption. The lightweight and ergonomic shape also ensure perfect handling.



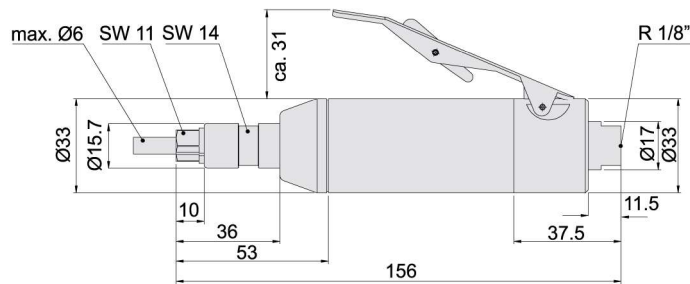
SRD 6-30/2

SRD 3-30/2

Achieves the same finish as the SRD 6-30/2, but with the use of a long, thin tool spindle to reach more difficult to access areas.



SRD 3-30/2



SVKH 630

(please see the table page 8)

Name	SRD 8-30/2 SL	SRH 8-30/2 SL	SRD 6-30/2	SRH 6-30/2	SRD 3-30/2
Valve	Rotary valve	Lever valve	Rotary valve	Lever valve	Rotary valve
Exhaust air direction	backwards	backwards	backwards	backwards	backwards
Front bearing set	floating	floating	double	double	double
Revolutions per minute [min ⁻¹]	30.000	30.000	30.000	30.000	30.000
Power [watts]	240	240	150	150	150
Air consumption [l/min]	450	450	370	370	370
Noise level [db (A)]	76	76	74	74	74
Weight [g]	500	540	335	390	345
Max. tool shank Ø [mm]	8	8	6	6	3
Max. tool Ø [mm]					
- HM tools	10	10	8	8	6
- Profile grinding body	16	16	12	12	10
Synthetic grinding discs	32	32	-	-	-
Collet	ZG 7/6 mm	ZG 7/6 mm	ZG 4/6 mm	ZG 4/6 mm	ZG 5/3 mm
Hose unit	001 366 577	001 366 577	001 366 577	001 366 577	001 366 577
Order no.	150 010 922	150 010 926	150 011 520	150 011 510	150 011 522

We will send you measurement and exploded drawings on request.

High-power grinders. 20.000 rpm

SRD 8-20/2



SRH 8-20/2 **SL**
low vibration



SRD 8-20/2 L 100



SRD 8-20/2 SRH 8-20/2

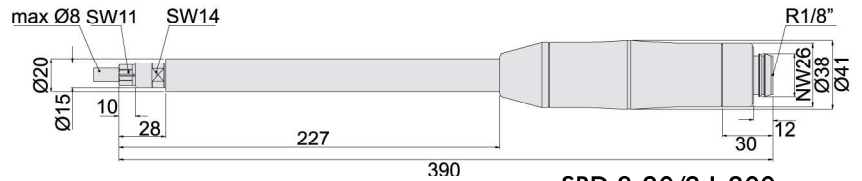
The basic version of this ergonomically precise straight grinder is available in three different types. all have a sound damping exhaust air direction and are also available with a safety lever valve.

SRD 8-20/2 **SL** SRH 8-20/2 **SL**

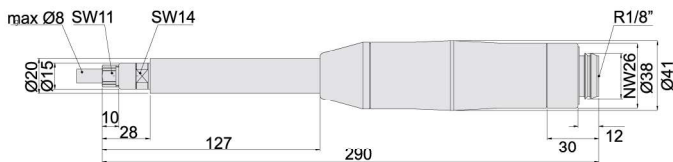
This powerful machine has been designed with floating bearing. Long-term use is significantly improved also for rough work.

SRD 8-20/2 L 100 bzw. L 200 SRH 8-20/2 L 100 bzw. L 200

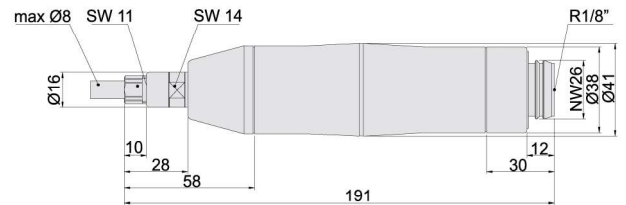
The machines are available in short, medium (L100) and long (L200) versions and thus ideal for jobs in hard to reach scopes.



SRD 8-20/2 L 200



SRD 8-20/2 L 100



SRD 8-20/2

Name	SRD 8-20/2	SRH 8-20/2	SRD 8-20/2 SL	SRH 8-20/2 SL	SRD 8-20/2 L100	SRH 8-20/2 L100	SRD 8-20/2 L200	SRH 8-20/2 L200
Valve	Rotary valve	Lever valve	Rotary valve	Lever valve	Rotary valve	Lever valve	Rotary valve	Lever valve
Exhaust air direction	backwards	backwards	backwards	backwards	backwards	backwards	backwards	backwards
Front bearing set	single	single	floating	floating	elastic	elastic	elastic	elastic
Revolutions per minute [min ⁻¹]	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Power [watts]	300	300	300	300	300	300	300	300
Air consumption [l/min]	500	500	500	500	500	500	500	500
Noise level [db (A)]	74	74	74	74	74	74	74	74
Weight [g]	570	620	630	680	750	790	940	980
Max. tool shank Ø [mm]	8	8	8	8	8	8	8	8
Max. tool Ø [mm]								
- HM tools	12	12	12	12	12	12	12	12
- Profile grinding body	24	24	24	24	24	24	24	24
Synthetic grinding discs	40	40	40	40	40	40	40	40
Collet	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm
Hose unit	001 366 578	001 366 578	001 366 578	001 366 578	001 366 578	001 366 578	001 366 578	001 366 578
Order no.	150 020 700	150 020 800	150 020 705	150 020 805	150 020 710	150 020 810	150 020 720	150 020 820

We will send you measurement and exploded drawings on request.

High-power grinders. 20.000 rpm

SARD 820 SARH 820

This is a powerful 20.000 rpm straight grinder based on the SRD 8-20/2 (see page 10). To overcome the high load it is subjected to, the tool spindle has a double support.



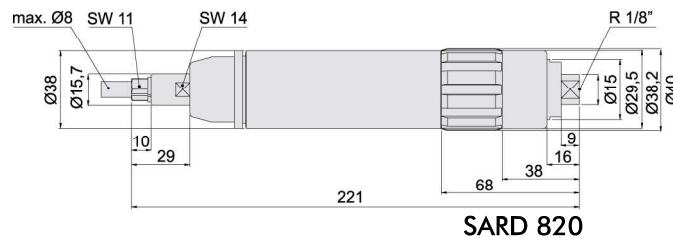
SARD 820

SBRD 820 SBRH 820

It has been designed for extreme loads. The elongated spindle allows use with both hands. The double support ensures a long life, even in the most difficult conditions - such as rough machining.



SBRD 820



Name	SARD 820	SARH 820	SBRD 820	SBRH 820
Valve	Rotary valve	Lever valve	Rotary valve	Lever valve
Exhaust air direction	backwards	backwards	backwards	backwards
Front bearing set	double	double	double	double
Revolutions per minute [min ⁻¹]	20.000	20.000	20.000	20.000
Power [watts]	300	300	300	300
Air consumption [l/min]	500	500	500	500
Noise level [db (A)]	73	73	73	73
Weight [g]	770	830	1040	1100
Max. tool shank Ø [mm]	8	8	8	8
Max. tool Ø [mm]				
- HM tools	12	12	12	12
- Profile grinding body	24	24	24	24
Synthetic grinding discs	40	40	40	40
Collet	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm	ZG 7/6 mm
Hose unit	001 366 505	001 366 505	001 366 505	001 366 505
Order no.	150 021 105	150 021 125	150 021 135	150 021 115

We will send you measurement and exploded drawings on request.

Roughing and polishing grinders. 10.000 up to 18.000 rpm

SBRH 818



SBRH 818

The ideal machine for the hardest applications. This is guaranteed in particular by the extremely powerful motor. Designed for two-handed operation with two high-performance bearing sets, this grinder is a faithful servant.

SRH 10-12/2
SRH 10-15/2



SRH 10-12/2 SRH 10-15/2

One construction type, 2 speeds:
12.000 rpm or
15.000 rpm.

You can, therefore, pick the right one for your requirements. SRH 10-15/2 - elastic spindle support to take good care of the cutters.

SRH 10-12/2 - rigid spindle support for brushing.

The machines of the SRH series are equipped with a safety lever.

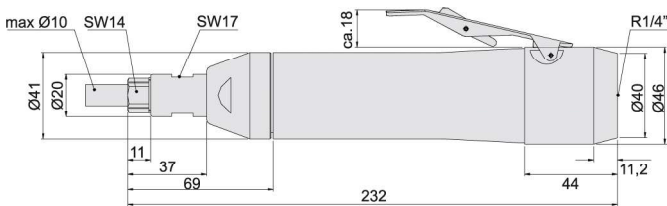
SRH 8-10



SRH 8-10

With the reduced speed of 10.000 rpm and the double bearing sets, this machine is perfectly suited to demanding polishing and grinding work.

The low weight and noise also make the user's experience more pleasant.



SRH 10-12/2
SRH 10-15/2



BIAX - Tungsten carbide tools for an efficient metal working.

Name	SBRH 818	SRH 10-15/2	SRH 10-12/2	SRH 8-10
Valve	Lever valve	Lever valve	Lever valve	Lever valve
Exhaust air direction	backwards	backwards	backwards	backwards
Front bearing set	double	elastic	single	double
Revolutions per minute [min ⁻¹]	18.000	15.000	12.000	10.000
Power [watts]	550	400	400	280
Air consumption [l/min]	750	700	700	300
Noise level [db (A)]	79	80	79	67
Weight [g]	1440	970	960	645
Max. tool shank Ø [mm]	8	10	10	8
Max. tool Ø [mm]				
- HM tools	15	15	15	16
- Profile grinding body	30	24	24	24
Synthetic grinding discs	40	40	40	40
Collet	ZG 7/6 mm	ZG 8/6 mm	ZG 8/6 mm	ZG 7/6 mm
Hose unit	001 366 528	001 366 580	001 366 580	001 366 505
Order no.	150 021 210	150 010 955	150 010 950	150 010 980

We will send you measurement and exploded drawings on request.

Angle grinders. 20.000 up to 85.000 rpm

WRD 3-85/2 WRH 3-85/2

The angle head of this machine is very small. Carrying out good work in very inaccessible places is now much easier. Another advantage: the drive is in the angle head. This means that gears are not required, meaning less weight and no wear.



WRH 3-85/2

WRD 6-20/3 Z WRH 6-20/3 Z WRD 10-20/3 S WRH 10-20/3 S

These small-powerful angle grinders have a flat head, robust gears and, with their double bearing sets, are superbly suited to transferring high torque.

You have the choice of two tool-receiving sockets:

- 6 mm collet
- M10 mounting thread



WRD 6-20/3 Z



WRH 10-20/3 S



Professional tools have to have a long life, be robust and operationally sound.

BIAX pneumatic tools meet all of these requirements.

Name	WRD 3-85/2	WRH 3-85/2	WRD 6-20/3 Z	WRH 6-20/3 Z	WRD 10-20/3 S	WRH 10-20/3 S
Valve	Rotary valve	Lever valve	Rotary valve	Lever valve	Rotary valve	Lever valve
Exhaust air direction	backwards	backwards	backwards	backwards	backwards	backwards
Front bearing set	pair	pair	pair	pair	pair	pair
Revolutions per minute [min ⁻¹]	85.000	85.000	20.000	20.000	20.000	20.000
Power [watts]	100	100	300	300	300	300
Air consumption [l/min]	170	170	500	500	500	500
Noise level [db (A)]	74	74	78	78	78	78
Weight [g]	260	230	730	770	880	920
Max. tool shank Ø [mm]	3	3	6	6	M10	M10
Max. tool Ø [mm]						
- HM tools	4	4	12	12	-	-
- Profile grinding body	6	6	24	24	-	-
Synthetic grinding discs	-	-	75	75	80	80
Collet	ZG 5/3 mm	ZG 5/3 mm	ZG 4/6 mm	ZG 4/6 mm	-	-
Hose unit	001 366 595 inclusive	001 366 595 inclusive	001 366 578	001 366 578	001 366 578	001 366 578
Order no.	150 100 315	150 100 305	150 123 475	150 123 485	150 123 455	150 123 465

We will send you measurement and exploded drawings on request.

Angle grinders. up to 20.000 rpm

WRD 6-20/2 ZL 90
20.000 rpm



WRD 6-20/2 ZL 45
20.000 rpm



WRH 14-13/2
13.000 rpm



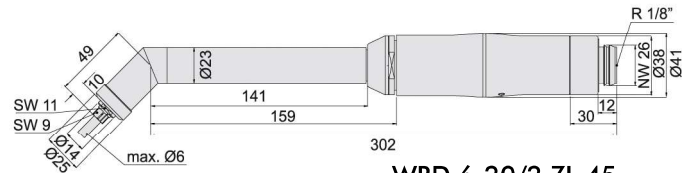
WRD 6-20/2 ZL 90 WRH 6-20/2 ZL 90
WRD 6-20/2 ZL 45 WRH 6-20/2 ZL 45

The finish of the angle grinder with elongated neck and a small angle head is particularly suited to working in not easy to reach places with a high degree of precision and performance.

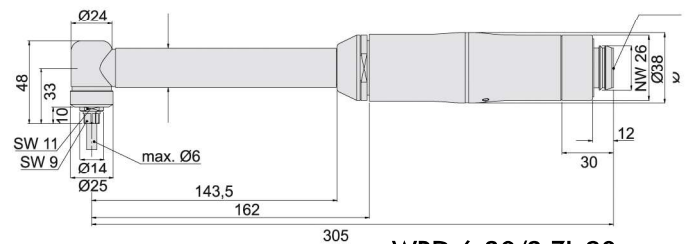
Two versions are available:
version with 90° head (ZL 90)
version with 45° head (ZL 45)

WRH 14-13/2

This BIAX pneumatic angle grinder has its drive in the angle head and works without fault-prone gears - and is very powerful.



WRD 6-20/2 ZL 45



WRD 6-20/2 ZL 90

Name	WRD 6-20/2 ZL 90	WRH 6-20/2 ZL 90	WRD 6-20/2 ZL 45	WRH 6-20/2 ZL 45	WRH 14-13/2
Valve	Rotary valve	Lever valve	Rotary valve	Lever valve	Lever valve
Exhaust air direction	backwards	backwards	backwards	backwards	backwards
Front bearing set	single	single	single	single	single
Revolutions per minute [min ⁻¹]	20.000	20.000	20.000	20.000	13.000
Power [watts]	300	300	300	300	600
Air consumption [l/min]	500	500	500	500	700
Noise level [db (A)]	78	78	78	78	80
Weight [g]	930	960	940	980	1760
Max. tool shank Ø [mm]	6	6	6	6	M14
Max. tool Ø [mm]					
- HM tools	10	10	10	10	-
- Profile grinding body	16	16	16	16	-
Grinding plate	50	50	50	50	115
Collet	ZG 4/6 mm	ZG 4/6 mm	ZG 4/6 mm	ZG 4/6 mm	-
Hose unit	001 366 578	001 366 578	001 366 578	001 366 578	001 366 580
Order no.	150 123 430	150 123 440	150 123 490	150 123 500	150 912 010

We will send you measurement and exploded drawings on request.