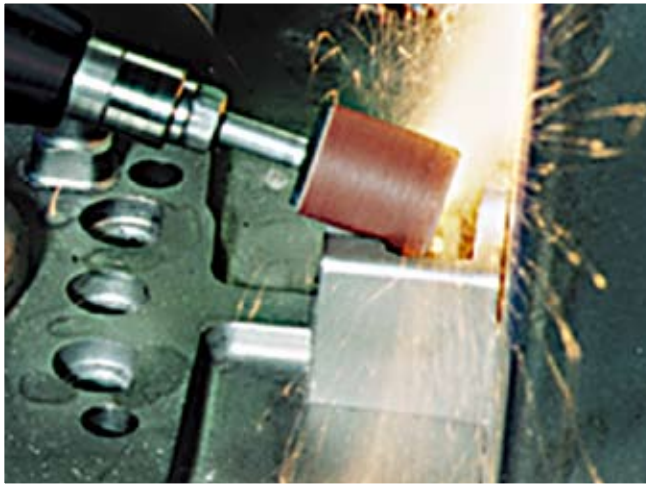


**Pneumatic Tools for Professionals:**  
Grinding, Filing and Deburring Tools



## Experts know why they prefer BIAX-PneumaticTools: Quality throughout!

**BIAX - The brand  
for professionals**



### **BIAX - Over 85 years of quality.**

Schmid & Wezel was one of the pioneers focussing on pneumatic tools. Since 85 years the company presents the highest standard of precision, quality and cooperation to the customer. Over the world, when people talk about pneumatic tools these days, the one brand they often mention first is BIAX.

This is of course due to the outstanding quality of our products and our endless drive for technical perfection. Both characteristics have been the source and guarantee of our success, since 1919.

### **BIAX - Partner of Industry.**

Companies developing and producing industrial tools need a „feel“ for the market. BIAX tools are always designed to meet the demands and wishes of our partners. It is of no surprise that BIAX has evaluated exciting innovations time and time again.

### **You can expect a lot from BIAX.**

And this is why our research and development centre is creating the products that will set the standards of tomorrow. We estimate ourselves more and more as „service professionals“, who can offer a complete package of services and solutions. We can confidently claim to be better, more progressive and more capable than the competition.





### **BIAX - superior technology and impressive quality.**

The superior technology of BIAX products does not only become obvious in the many well thought-out details, but also in the high-quality material used for all our products.

Look at the user-friendly design of our products, design that always incorporates the newest advances in ergonomics.

And of course the exceptional workmanship and guarantee of longterm use. For us, this is all a matter of fact - for you, indispensable!

BIAX-tools are simply the best that can be found on the market.

### **Into the future with BIAX.**

Much of what your business requires in terms of pneumatic and electric tools and accessories can be found in this publication. If you happen not to find what you are looking for, simply give us a call.

If it is in our line of business, we will find a solution.

This is what we can promise already today!

### **BIAX pneumatic tools -**

**since only the best is good enough for the manufacturing of your quality products!**

### **BIAX Pneumatic Tools.**

**In a Class of their own.**



## The high-speed Lubricant-free

### TVD 3-100/2

With a speed of 100.000 min<sup>-1</sup> and a flexible spindle bearing set, you can obtain optimal surface quality when dressing metallic materials and also keep the noise level to a minimum. With it's turbo drive, this machine can be operated without lubrication (oil-free!). The machine is easy to maintain since there is no need to change the lamellae.

### T 365/2

Due to the turbo drive, this machine can also be operated without lubrication. A coasting brake stops the tool immediately for optimum security. A centrifugal force regulator ensures a constant speed under variable loads and a reduction of air consumption.

A flexible spindle bearing set significantly improves the surface finish and reduces wear on the milling tool.

### TSD 385 / TSH 385

Due to the lamella motor, the lubricant-free drive of this grinder is thoroughly unique and patented. Similar to the turbo drive, this machine is lubricant-free yet still slim and easy to handle. The life cycle can be compared to lubricated lamella motors. A double bearing set allows the grinder to also be used for extreme applications.



TVD 3-100/2

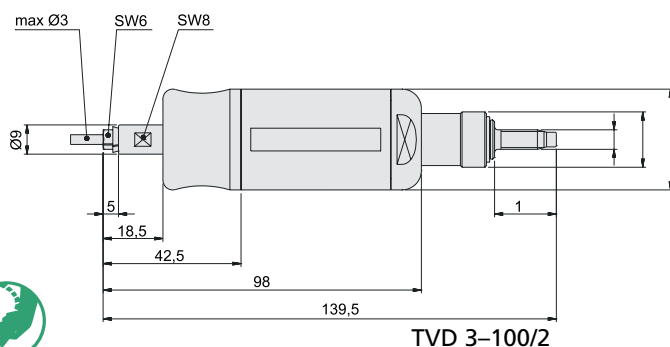


T 365/2

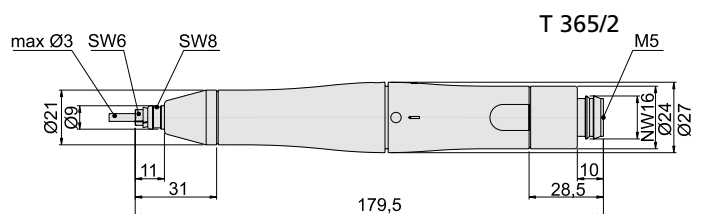
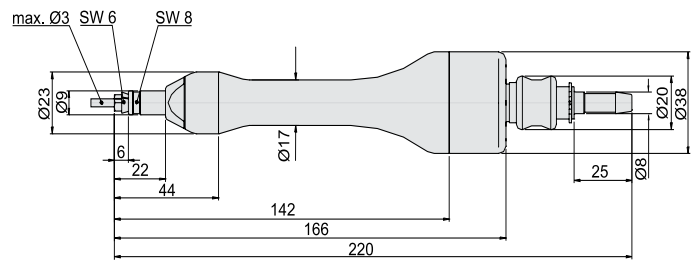


TSD 385  
TSH 385

| Designation:                           | TVD 3-100/2             | T 365/2                 | TSD 385                 | TSH 385                 |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Valve:                                 | Twist valve             | Push valve              | Twist valve             | Lever valve             |
| Exhaust air direction:                 | forwards                | backwards               | backwards               | backwards               |
| Front bearing set:                     | flexible                | flexible                | double                  | double                  |
| Rotational speed [min <sup>-1</sup> ]: | 100.000                 | 65.000                  | 85.000                  | 85.000                  |
| Power [Watt]:                          | 80                      | 80                      | 100                     | 100                     |
| Air consumption [l/min]:               | 180                     | 180                     | 170                     | 170                     |
| Noise level [db (A)]:                  | 70                      | 70                      | 74                      | 74                      |
| Weight [g]:                            | 250                     | 220                     | 190                     | 210                     |
| Max. Tool mounting. [mm]:              | 3                       | 3                       | 3                       | 3                       |
| Max. Tool-Ø [mm]:                      |                         |                         |                         |                         |
| Carbide tools:                         | 3                       | 6                       | 4                       | 4                       |
| Profile grinding wheels:               | 5                       | 8                       | 6                       | 6                       |
| Synthetic grinding wheels:             | -                       | -                       | -                       | -                       |
| Collet:                                | ZG 5/3 mm               | ZG 5/3 mm               | ZG 5/3 mm               | ZG 5/3 mm               |
| Hose unit:                             | 001 366 537<br>included | 001 366 594<br>included | 001 366 576<br>included | 001 366 576<br>included |
| Product ID:                            | 150 149 906             | 150 149 730             | 150 001 710             | 150 001 700             |



TVD 3-100/2



TSD 385

## The Fast. 85.000 min<sup>-1</sup>



SRD 3-85/2



SRH 3-85/2

### SRD 3-85/2 – SRH 3-85/2

This perfectly designed machine can be equipped with a high performance double bearing set in place of a single bearing and is therefore the ideal tool for extreme loads and prolonged use.

Despite this it remains light and fits in the hand as if tailor-made. Because of its high rotational speed, this grinder leaves a very accurate grinding pattern.

This machine is available in the following versions:

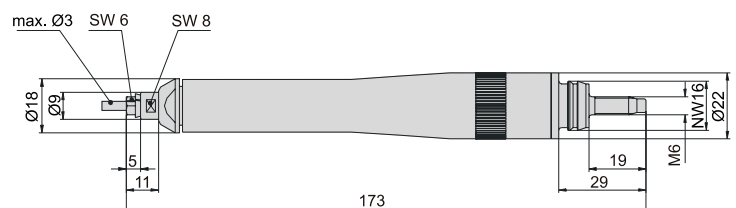
**Bearing set:** single or double  
**Valve:** Twist or lever valve  
**Exhaust air duct:** backwards or forwards

| Designation:                           | 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:                                 | Twist valve | Twist valve | Twist valve | Twist valve | Lever valve | Lever valve | Lever valve | Lever valve |
| Exhaust air direction:                 | backwards   | backwards   | forwards    | forwards    | backwards   | backwards   | forwards    | forwards    |
| Front bearing set:                     | single      | double      | single      | double      | single      | double      | single      | double      |
| Rotational speed [min <sup>-1</sup> ]: | 85.000      | 85.000      | 85.000      | 85.000      | 85.000      | 85.000      | 85.000      | 85.000      |
| Power [Watt]:                          | 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 mounting. [mm]:              | 3           | 3           | 3           | 3           | 3           | 3           | 3           | 3           |
| Max. Tool-Ø [mm]:                      |             |             |             |             |             |             |             |             |
| Carbide tools:                         | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           |
| Profile grinding wheels:               | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           |
| Synthetic grinding wheels:             | -           | -           | -           | -           | -           | -           | -           | -           |
| 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 |
|  | included    | included    | -           | -           | included    | included    | -           | -           |
| Product ID:                            | 150 001 060 | 150 001 035 | 150 001 085 | 150 001 080 | 150 001 065 | 150 001 040 | 150 001 070 | 150 001 075 |



BIAX pneumatic tools.

The lubricant-free High-Speeder for example. Professionals throughout the world value the excellent features and exemplary quality of our products.



SRD 3-85/2

# BIAX-Power Light.

55.000 min<sup>-1</sup>

## SRD 3-55/2

The „feather-light weight“ and the proven, low-vibration SRD 355 motor can guarantee spot-on accuracy and a long service life. Lightness and ergonomic form avoid early fatigue and allow the finest deburring work. The twist valve insulation offers protection for the hands against the cold.

## SRD 3-55/2 S

The unique quick change system works with standard tools like the Tungsten Carbide burring tools or abrasive wheels.

- No annoying opening and closing of the collets with tool keys -you save time
- Wear-resistant collets -you save money
- No need to keep or search for tool keys -You increase productivity

## SRD 3-55/2 KE

The basis of this machine is the standard model. In addition, this tool is equipped with an adjustable attachment for chamfering edges. Various settings will effect the bevelling strength.



Standard

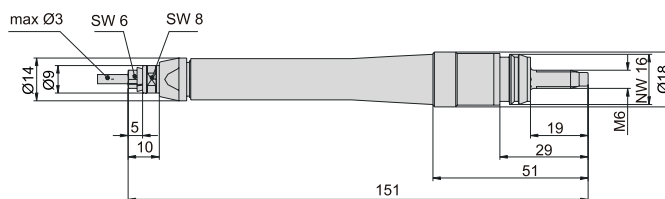


Auto-Lock



KE-System

|  |             |              |                   |
|--|-------------|--------------|-------------------|
| Designation:                           | SRD 3-55/2  | SRD 3-55/2 S | SRD 3-55/2 KE     |
| Valve:                                 | Twist valve | Twist valve  | Twist valve       |
| Exhaust air direction:                 | backwards   | backwards    | backwards         |
| Front bearing set:                     | single      | single       | single            |
| Rotational speed [min <sup>-1</sup> ]: | 55.000      | 55.000       | 55.000            |
| Power [Watt]:                          | 60          | 60           | 60                |
| Air consumption [l/min]:               | 170         | 170          | 170               |
| Noise level [db (A)]:                  | 74          | 74           | 74                |
| Weight [g]:                            | 93          | 103          | 95                |
| Max. Tool mounting [mm]:               | 3           | 3            | 3                 |
| Max. Tool-Ø [mm]:                      |             |              |                   |
| Carbide tools:                         | 6           | 4            | TCA 0303-63 incl. |
| Profile grinding wheels:               | 8           | 8            | -                 |
| Synthetic grinding wheels:             | -           | -            | -                 |
| Collet:                                | ZG 5/3 mm   | -            | ZG 5/3 mm         |
| Hose unit:                             | 001 366 595 | 001 366 595  | 001 366 595       |
|  | included    | included     | included          |
| Product ID:                            | 150 000 925 | 150 000 935  | 150 000 965       |



SRD 3-55/2

# High-Speed for Professionals.

45.000 min<sup>-1</sup>



SRD 6-45/2



SRD 6-45/2 SL  
*low vibration*



SRD 3-45/2

## SRD 6-45/2 SRH 6-45/2

This high-performance grinder is the optimised successor model of the proven straight grinder SRD 645. Despite the high operating speed of 45,000 rpm, it can reach a power output of 260 W. We have improved the relation of power to air consumption. The light weight and ergonomic design guarantees perfect handling.

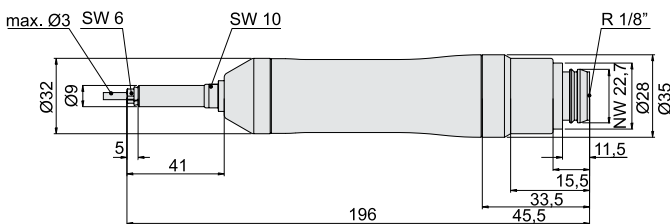
## SRD 6-45/2 SL

This BIAX grinder has a specific flexible bearing to prevent chatter marks and to produce an excellent surface quality.

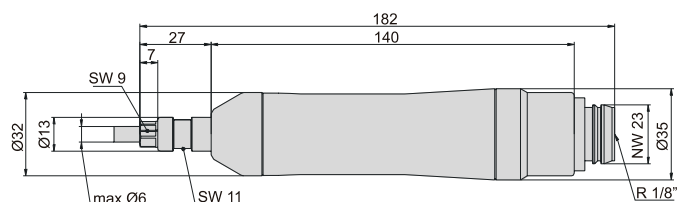
## SRD 3-45/2 SRH 3-45/2

Design similar to the SRD 6-45/2, however with a longer and thinner spindle so that work can also be done at workpieces with obstructions.

|  |             |             |               |               |             |             |
|--|-------------|-------------|---------------|---------------|-------------|-------------|
| Designation:                           | 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:                                 | Twist valve | Lever valve | Twist valve   | Lever valve   | Twist valve | Lever valve |
| Exhaust air direction:                 | backwards   | backwards   | backwards     | backwards     | backwards   | backwards   |
| Front bearing set:                     | single      | single      | floating      | floating      | single      | single      |
| Rotational speed [min <sup>-1</sup> ]: | 45.000      | 45.000      | 45.000        | 45.000        | 45.000      | 45.000      |
| Power [Watt]:                          | 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 mounting [mm]:               | 6           | 6           | 6             | 6             | 3           | 3           |
| Max. Tool-Ø [mm]:                      |             |             |               |               |             |             |
| Carbide tools:                         | 8           | 8           | 8             | 8             | 8           | 8           |
| Profile grinding wheels:               | 10          | 10          | 10            | 10            | 10          | 10          |
| Synthetic grinding wheels:             | -           | -           | -             | -             | -           | -           |
| 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 |
| Product ID:                            | 150 010 750 | 150 010 760 | 150 010 755   | 150 010 765   | 150 010 770 | on demand   |



SRD 3-45/2



SRD 6-45/2

# The Universal Genius.

30.000 min<sup>-1</sup>

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

Due to its rotational speed and high performance, this quality machine can be used in a large range of applications, e.g. collets for tools with a 3 - 8 mm shank diameter.

A truly convincing system - one that stands for power and endurance while meeting the demands for lightness and ease of use.

A version with a double bearing set is also available for tough applications.

**SBRD 830 SBRH 830**

Based on the SRD 8-30/2, this machine was designed for extreme loads:

The extended spindle allows two-handed use. The double bearing set extends service life.

**SVKH 630**

Ease of use and strength are superbly combined in this machine. It is also distinguished by its compact form, engine power and the forward exhaust air duct feature.



SRD 8-30/2

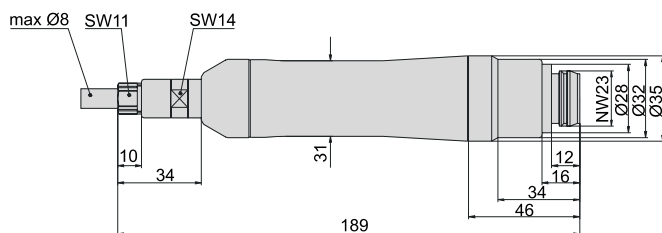


SBRD 830

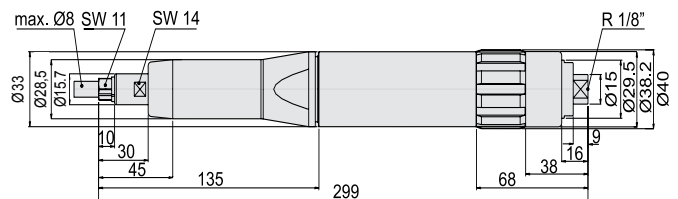


SVKH 630

| Designation:                           | SRD 8-30/2  | SRH 8-30/2  | SARD 830    | SARH 830    | SBRD 830    | SBRH 830    | SVKH 630    |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Valve:                                 | Twist valve | Lever valve | Twist valve | Lever valve | Twist valve | Lever valve | Lever valve |
| Exhaust air direction:                 | backwards   | backwards   | backwards   | backwards   | backwards   | backwards   | forwards    |
| Front bearing set:                     | single      | single      | double      | double      | double      | double      | single      |
| Rotational speed [min <sup>-1</sup> ]: | 30.000      | 30.000      | 30.000      | 30.000      | 30.000      | 30.000      | 30.000      |
| Power [Watt]:                          | 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 mounting [mm]:               | 8           | 8           | 8           | 8           | 8           | 8           | 8           |
| Max. Tool-Ø [mm]:                      |             |             |             |             |             |             |             |
| Carbide tools:                         | 10          | 10          | 10          | 10          | 10          | 10          | 10          |
| Profile grinding wheels:               | 16          | 16          | 16          | 16          | 16          | 16          | 16          |
| Synthetic grinding wheels:             | 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 |
| Product ID:                            | 150 010 920 | 150 010 925 | 150 012 005 | 150 012 015 | 150 012 022 | 150 012 032 | 150 011 850 |



SRD 8 - 30/2



SBRD 830



SRD 8-30/2 SL  
low vibration



SRD 6-30/2



SRD 3-30/2

#### SRD 8-30/2 SL

#### SRH 8-30/2 SL

This BIAX grinder has a special floating bearing to avoid chatter marks and to produce an excellent surface.

#### SRD 6-30/2

#### SRH 6-30/2

This high performing grinder is the optimized successor of the proven straight grinder SRD 630.

In spite of the high rotational speed of 30 000 min<sup>-1</sup> he is achieving a power of 150 W. With this development we focused on the relation of performance and air consumption.

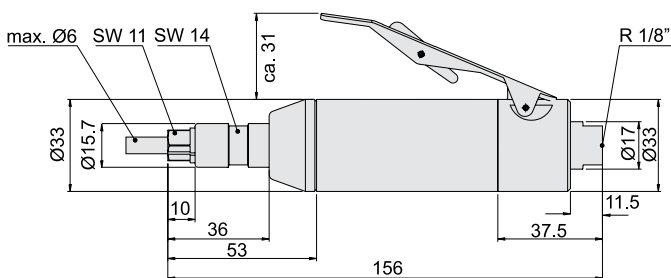
The easy weight and the ergonomic styling guarantee a perfect handling.

#### SRD 3-30/2

#### SRH 3-30/2

The construction is similar to SRD 6-30/2 with a long and thin spindle to achieve inaccessible areas.

|  |               |               |             |             |             |
|--|---------------|---------------|-------------|-------------|-------------|
| Designation:                           | SRD 8-30/2 SL | SRH 8-30/2 SL | SRD 6-30/2  | SRH 6-30/2  | SRD 3-30/2  |
| Valve:                                 | Twist valve   | Lever valve   | Twist valve | Lever valve | Twist valve |
| Exhaust air direction:                 | backwards     | backwards     | backwards   | backwards   | backwards   |
| Front bearing set:                     | floating      | floating      | double      | double      | double      |
| Rotational speed [min <sup>-1</sup> ]: | 30.000        | 30.000        | 30.000      | 30.000      | 30.000      |
| Power [Watt]:                          | 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 mounting [mm]:               | 8             | 8             | 6           | 6           | 3           |
| Max. Tool-Ø [mm]:                      |               |               |             |             |             |
| Carbide tools:                         | 10            | 10            | 8           | 8           | 6           |
| Profile grinding wheels:               | 16            | 16            | 12          | 12          | 10          |
| Synthetic grinding wheels:             | 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 |
| Product ID:                            | 150 010 922   | 150 010 926   | 150 011 520 | 150 011 510 | 150 011 522 |



SVKH 630

## For short or long ways:

20.000 min<sup>-1</sup>

### SRD 8-20/2 SL

### SRH 8-20/2 SL

Also this strong machine has a low vibration construction. The long-term employment also with heavy duty applications is improved clearly thereby.

### SRD 8-20/2 L 200

### SRH 8-20/2 L 200

The heart of this precisely-formed, ergonomic straight grinder series is the compact motor, which offers the same level of performance in all three configurations. These machines are available in short, medium (L100) and long (L200) models. All units have a noise-reducing exhaust air duct and are also available with a lever valve safety device.

These models are available with a conventional lamella motor as well as with the patented dry motor (upon request).



SRD 8-20/2

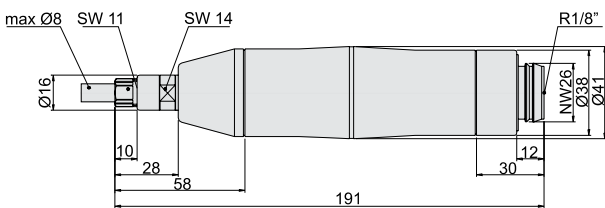


SRD 8-20/2 SL  
Low Vibration

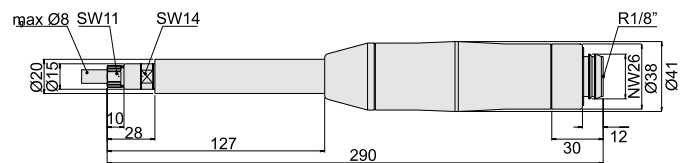


SRD 8-20/2 L100

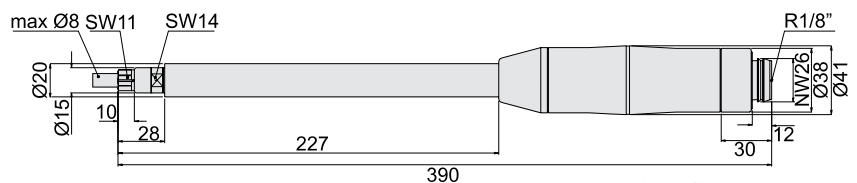
| Designation:                           | SRD 8-20/2  | SRH 8-20/2  | SRD 8-20/2 SL | SRH 8-20/2 SL | SRD 8-20/2 L100 | SRH 8-20/2 L100 | SRD 8-20/2 L200 | SRH 8-20/2 L200 |
|--|-------------|-------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|
| Valve:                                 | Twist valve | Lever valve | Twist valve   | Lever valve   | Twist valve     | Lever valve     | Twist valve     | Lever valve     |
| Exhaust air direction:                 | backwards   | backwards   | backwards     | backwards     | backwards       | backwards       | backwards       | backwards       |
| Front bearing set:                     | single      | single      | floating      | floating      | floating        | floating        | floating        | floating        |
| Rotational speed [min <sup>-1</sup> ]: | 20.000      | 20.000      | 20.000        | 20.000        | 20.000          | 20.000          | 20.000          | 20.000          |
| Power [Watt]:                          | 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 mounting [mm]:               | 8           | 8           | 8             | 8             | 8               | 8               | 8               | 8               |
| Max. Tool-Ø [mm]:                      |             |             |               |               |                 |                 |                 |                 |
| Carbide tools:                         | 12          | 12          | 12            | 12            | 12              | 12              | 12              | 12              |
| Profile grinding wheels:               | 24          | 24          | 24            | 24            | 24              | 24              | 24              | 24              |
| Synthetic grinding wheels:             | 40          | 40          | 40            | 40            | 40              | 40              | 40              | 40              |
| Collet:                                | ZG 7/6 mm   | ZG 7/6 mm   | ZG 7/6 mm     | ZG 7/6mm      | 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     |
| Product ID:                            | 150 020 700 | 150 020 800 | 150 020 705   | 150 020 805   | 150 020 710     | 150 020 810     | 150 020 720     | 150 020 820     |



SRD 8-20/2



SRD 8-20/2 L 100



SRD 8-20/2 L 200

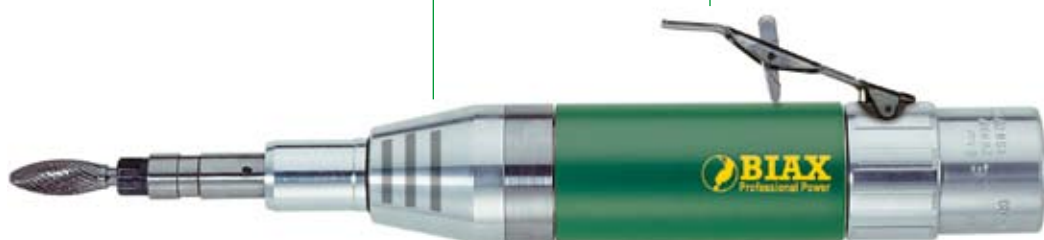
## The Robust. 20 000 [min<sup>-1</sup>]



SARD 820



SBRD 820



SVH 8-20/2

### SARD 820 SARH 820

This high-performance 20,000 rpm straight grinder is based on the SRD 8-20/2 (see page 9). The spindle uses a double bearing set to better cope with the higher strain.

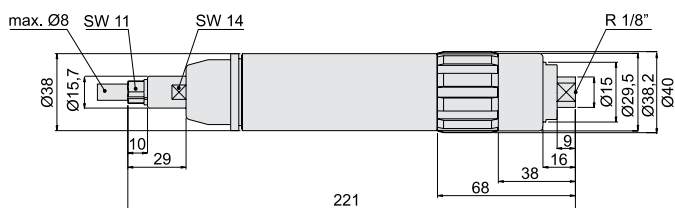
### SBRD 820 SBRH 820

Also this machine is based on the SRD 8-20/2. It is constructed for heavy duty demands. The extended spindle allows two-handed use. The double bearing set extends service life, even under the harshest conditions.

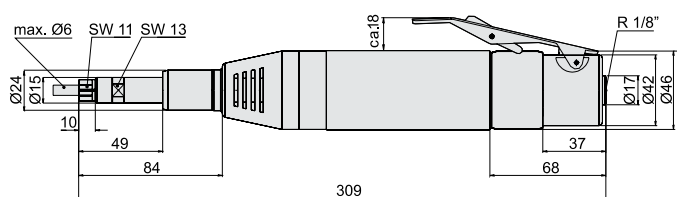
### SVH 8-20/2

A machine with a particularly powerful motor and front air exhaust. The extended spindle allows work to be done on hard to reach places. The flexible spindle bearing set ensures that the inserted milling tool is protected.

|  |             |             |             |             |             |
|--|-------------|-------------|-------------|-------------|-------------|
| Designation:                           | SARD 820    | SARH 820    | SBRD 820    | SBRH 820    | SVH 8-20/2  |
| Valve:                                 | Twist valve | Lever valve | Twist valve | Lever valve | Lever valve |
| Exhaust air direction:                 | backwards   | backwards   | backwards   | backwards   | forward     |
| Front bearing set:                     | double      | double      | double      | double      | elastic     |
| Rotational speed [min <sup>-1</sup> ]: | 20.000      | 20.000      | 20.000      | 20.000      | 20.000      |
| Power [Watt]:                          | 300         | 300         | 300         | 300         | 400         |
| Air consumption [l/min]:               | 500         | 500         | 500         | 500         | 700         |
| Noise level [db (A)]:                  | 73          | 73          | 73          | 73          | 75          |
| Weight [g]:                            | 770         | 830         | 1040        | 1100        | 1190        |
| Max. Tool mounting [mm]:               | 8           | 8           | 8           | 8           | 8           |
| Max. Tool-Ø [mm]:                      |             |             |             |             |             |
| Carbide tools:                         | 12          | 12          | 12          | 12          | 12          |
| Profile grinding wheels:               | 24          | 24          | 24          | 24          | 24          |
| Synthetic grinding wheels:             | 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   |
| Hose unit:                             | 001 366 505 | 001 366 505 | 001 366 505 | 001 366 505 | 001 366 918 |
| Product ID:                            | 150 021 105 | 150 021 125 | 150 021 135 | 150 021 115 | 150 022 020 |



SARD 820



SVH 8-20/2

## Heavy Duty Grinders:.

From 12.000 to 18.000 min<sup>-1</sup>

### SBRH 818

The ideal machine for very tough applications. This is guaranteed not only by the extremely powerful motor. Designed for two-handed operation and equipped with two high-performance bearing sets, this grinder will be your best companion.

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

One design, two speeds::

12.000 U/min<sup>-1</sup> or  
15.000 U/min<sup>-1</sup>.

If you can not put the countersink properly you can use the lever valve version BEG 309.

SRH 10-15/2 – with a flexible spindle bearing set to protect the milling tool.  
SRH 10-12/2 – with a rigid spindle bearing set for brushing. The machines in the SRH product line are all equipped with a lever valve safety device.



SBRH 818

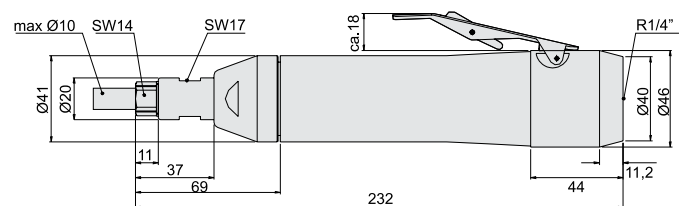


SRH 10-15/2  
SRH 10-12/2

|  |             |             |             |
|--|-------------|-------------|-------------|
| Designation:                           | SBRH 818    | SRH 10-15/2 | SRH 10-12/2 |
| Valve:                                 | Lever valve | Lever valve | Lever valve |
| Exhaust air direction:                 | backwards   | backwards   | backwards   |
| Front bearing set:                     | double      | flexible    | rigid       |
| Rotational speed[ $\text{min}^{-1}$ ]: | 18.000      | 15.000      | 12.000      |
| Power [Watt]:                          | 550         | 400         | 400         |
| Air consumption [l/min]:               | 750         | 700         | 700         |
| Noise level [db (A)]:                  | 79          | 80          | 79          |
| Weight [g]:                            | 1440        | 970         | 960         |
| Max. Tool mounting mm]:                | 8           | 10          | 10          |
| Max. Tool-Ø [ [mm]:                    |             |             |             |
| Carbide tools:                         | 15          | 15          | 15          |
| Profile grinding wheels:               | 30          | 24          | 24          |
| Synthetic grinding wheels:             | 40          | 40          | 40          |
| Collet:                                | ZG 7/6 mm   | ZG 8/6 mm   | ZG 8/6 mm   |
| Hose unit:                             | 001 366 528 | 001 366 580 | 001 366 580 |
| Product ID:                            | 150 021 210 | 150 010 955 | 150 010 950 |



Whether grinding, drilling, deburring or filing... the extensive BIAX program has the right machine for almost every application.



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

## When it runs out of space.



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

The angle head of this machine is very small. Accurate work in difficult to reach places is now much easier. Another advantage: The drive is located directly in the angle head. No gear is needed that would cause more weight and less parts are subject to wear.

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

These small but powerful angle grinders have a flat head and a robust gear mechanism. Thanks to the double gear bearing set, they are perfectly suited for the transfer of extreme torque.

Two versions are available:

- with grinding wheel 6 mm
- with chop spindle M10.

|  |             |             |              |              |               |               |
|--|-------------|-------------|--------------|--------------|---------------|---------------|
| Designation:                           | 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:                                 | Twist valve | Lever valve | Twist valve  | Lever valve  | Twist valve   | Lever valve   |
| Exhaust air direction:                 | backwards   | backwards   | backwards    | backwards    | backwards     | backwards     |
| Front bearing set:                     | double      | double      | double       | double       | double        | double        |
| Rotational speed [min <sup>-1</sup> ]: | 85.000      | 85.000      | 20.000       | 20.000       | 20.000        | 20.000        |
| Power [Watt]:                          | 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 mounting [mm]:               | 3           | 3           | 6            | 6            | M10           | M10           |
| Max. Tool-Ø [mm]:                      |             |             |              |              |               |               |
| Carbide tools:                         | 4           | 4           | 12           | 12           | -             | -             |
| Profile grinding wheels:               | 6           | 6           | 24           | 24           | -             | -             |
| Grinding plate:                        | -           | -           | 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 | 001 366 595 | 001 366 578  | 001 366 578  | 001 366 578   | 001 366 578   |
|  | included    | included    |              |              |               |               |
| Product ID:                            | 150 100 315 | 150 100 305 | 150 123 475  | 150 123 485  | 150 123 455   | 150 123 465   |



Professional tools must be durable, robust and reliable. BIAX pneumatic tools meet these requirements in every way.

## Angle Grinders.

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

This version of the angle grinder has a longer neck and a small angled head and is therefore well suited for work involving high performance and precision in areas which are difficult to reach. There are two versions available: Model with 90°-head (ZL 90), Model with 45°-head (ZL 45).

### WRH 14-13/2

Small and light, but extremely powerful. This BIAX pneumatic angle grinder has the drive placed directly in the angle head and functions without a breakdown-susceptible gear mechanism.

The consequence: The unit is lighter and avoids parts that are subject to wear.

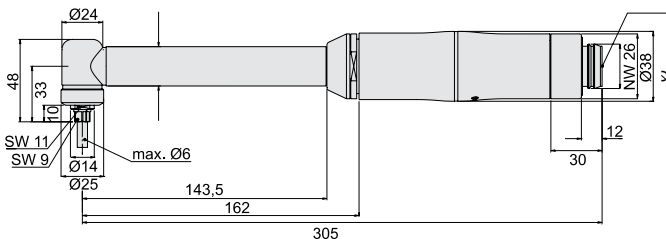


20.000 min<sup>-1</sup>

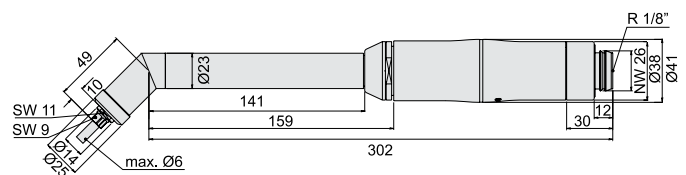
20.000 min<sup>-1</sup>

13.000 min<sup>-1</sup>

|  |                  |                  |                  |                  |             |
|--|------------------|------------------|------------------|------------------|-------------|
| Designation:                           | 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:                                 | Twist valve      | Lever valve      | Twist valve      | Lever valve      | Lever valve |
| Exhaust air direction:                 | backwards        | backwards        | backwards        | backwards        | backwards   |
| Front bearing set:                     | single           | single           | single           | single           | single      |
| Rotational speed [min <sup>-1</sup> ]: | 20.000           | 20.000           | 20.000           | 20.000           | 13.000      |
| Power [Watt]:                          | 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 mounting [mm]:               | 6                | 6                | 6                | 6                | M14         |
| Max. Tool-Ø [mm]:                      |                  |                  |                  |                  |             |
| Carbide tools:                         | 10               | 10               | 10               | 10               | -           |
| Profile grinding wheels:               | 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 |
| Product ID:                            | 150 123 430      | 150 123 440      | 150 123 490      | 150 123 500      | 150 912 010 |



WRD 6-20/2 ZL 90



WRD 6-20/2 ZL 45

## The selective grinders on the roll...



HBD 200



HB 12

### HBH 200 HBD 200

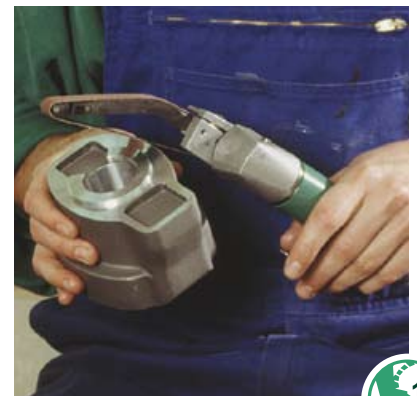
It is not only the rapid belt change feature that makes this belt grinder outstanding. Thanks to a locking screw, it is also easy to switch from flat grinding with a telescopic arm to selective grinding on the roll. In addition, the machine can be equipped with grinding arms for belt widths of 8, 15 or 20 mm. Change-outs are done simply and effortlessly.

### HB 12 HBD 12

The unique belt guiding system allows the use of even the smallest belt widths without having the belt spring from the roll. The clamping system ensures continuous belt tension and also keeps the belt guide secure. Available with either lever or twist valve.

| Designation:                           | HBH 200     | HBD 200     | HB 12       | HBD 12      |
|--|-------------|-------------|-------------|-------------|
| Valve:                                 | Lever valve | Twist valve | Lever valve | Twist valve |
| Exhaust air direction:                 | backwards   | backwards   | backwards   | backwards   |
| Front bearing set:                     | double      | double      | single      | single      |
| Rotational speed[ $\text{min}^{-1}$ ]: | 20.000      | 20.000      | 20.000      | 20.000      |
| Power [Watt]:                          | 300         | 300         | 300         | 300         |
| Air consumption                        | 500         | 500         | 500         | 500         |
| Noise level [db (A)]:                  | 78          | 78          | 78          | 78          |
| Gewicht [g]:                           | 870         | 840         | 1470        | 1420        |
| Max. Belt width [mm]:                  | 20          | 20          | 12          | 12          |
| Hose unit:                             | 001 366 578 | 001 366 578 | 001 366 505 | 001 366 505 |
| Product ID:                            | 150 123 770 | 150 123 780 | 150 123 100 | 150 123 110 |

Grinding arms are not included in delivery.



To remain a market leader,  
you must stay one step  
ahead of the competition...

## ...and the Right Accessories

### Grinding arms and belts



#### Grinding Arms for HBD/H 200

| Roller-Ø<br>width | 14,0 mm<br>4,5 mm | 14,0 mm<br>11,5 mm | 14,0 mm<br>15,5 mm |  |          |                         |
|-------------------|-------------------|--------------------|--------------------|--|----------|-------------------------|
| Designation       | S 8 B             | S 15 B             | S 20 B             |  |          |                         |
| Rubber<br>Roller  | 150 124 875       | 150 124 880        | 150 124 885        |  | 330 x 8  | 60<br>120<br>180<br>240 |
| Designation       | S 8 A             | S 15 A             | S 20 A             |  |          |                         |
| Steel<br>Roller   | 150 124 850       | 150 124 855        | 150 124 860        |  | 330 x 15 | 60<br>120<br>180<br>240 |
| Designation       |                   | S 15 C             | S 20 C             |  |          |                         |
| Steel<br>angled   |                   | 150 124 865        | 150 124 870        |  | 330 x 20 | 60<br>120<br>180<br>240 |

#### Grinding Belts

| Lenght<br>x Width | Grit | Product-ID   |
|-------------------|------|--------------|
|                   | 60   | 001 620 509  |
|                   | 120  | 001 620 511  |
|                   | 180  | 001 620 512  |
|                   | 240  | 001 620 513  |
|                   | 60   | 001 620 508  |
|                   | 120  | 001 620 516  |
|                   | 180  | 001 620 517  |
|                   | 240  | 001 620 518  |
|                   | 60   | 001 620 584  |
|                   | 120  | 001 620 586  |
|                   | 180  | upon request |
|                   | 240  | upon request |



#### Grinding Arms for HB 12, HBD 12

| Roller<br>type | Roller-Ø<br>width | Belt-<br>width | Designation | Product ID  |  | Lenght<br>x Width | Grit                    | Product ID   |
|----------------|-------------------|----------------|-------------|-------------|--|-------------------|-------------------------|--|
| Rubber         | 16 x 3            | 6              | HB 6163     | 150123320   |  | 610 x 6           | 60<br>120<br>180<br>240 | 001 620 559<br>001 620 561<br>001 620 562<br>001 620 570 |
| Rubber         | 25 x 9            | 6              | HB 6259     | 150 123 330 |  | 610 x 6           | 60<br>120<br>180<br>240 | 001 620 559<br>001 620 561<br>001 620 562<br>001 620 570 |
| Steel          | 8 x 9             | 12             | HB 1289     | 150 123 310 |  | 610 x 12          | 60<br>120<br>180<br>240 | 001 620 565<br>001 620 567<br>001 620 568<br>001 620 571 |
| Rubber         | 16 x 9            | 12             | HB 12169    | 150 123 300 |  | 610 x 12          | 60<br>120<br>180<br>240 | 001 620 565<br>001 620 567<br>001 620 568<br>001 620 571 |
| Rubber         | 18 x 12           | 12             | HB 121812   | 150 123 340 |  | 610 x 12          | 60<br>120<br>180<br>240 | 001 620 565<br>001 620 567<br>001 620 568<br>001 620 571 |

#### Grinding Belts

| Lenght<br>x Width | Grit | Product ID  |
|-------------------|------|-------------|
|                   | 60   | 001 620 559 |
|                   | 120  | 001 620 561 |
|                   | 180  | 001 620 562 |
|                   | 240  | 001 620 570 |
|                   | 60   | 001 620 559 |
|                   | 120  | 001 620 561 |
|                   | 180  | 001 620 562 |
|                   | 240  | 001 620 570 |
|                   | 60   | 001 620 565 |
|                   | 120  | 001 620 567 |
|                   | 180  | 001 620 568 |
|                   | 240  | 001 620 571 |
|                   | 60   | 001 620 565 |
|                   | 120  | 001 620 567 |
|                   | 180  | 001 620 568 |
|                   | 240  | 001 620 571 |

## Tools for Deburring.



BEW 309

for BEW 309



Countersink area Ø 2-6 mm  
(HSS) 001 950 293 (incl.)  
(Carbide) 001 950 299

Countersink area Ø 2,5-10 mm  
(HSS) 001 950 297  
Countersink area Ø 15 mm



BEW 605  
BEW 606

for BEW 606  
BEW 606 K

Countersink area Ø 3,5-14 mm  
Hexagon shank 6,3 mm  
001 950 294

for BEW 605  
BEW 605 K



Countersink area Ø 3,5-14 mm  
(HSS) 001 950 295  
Countersink area Ø 5-24 mm  
(HSS) 001 950 296



BEW 605 K  
BEW 606 K

|   |             |             |             |             |             |
|---|-------------|-------------|-------------|-------------|-------------|
| Designation:                                      | BEW 309     | BEW 605     | BEW 606     | BEW 605 K   | BEW 606 K   |
| Valve:  | Lever valve | Lever valve | Lever valve | Lever valve | Lever valve |
| Exhaust air direction:                            | backwards   | backwards   | backwards   | backwards   | backwards   |
| Rotational speed [min <sup>-1</sup> ]: adjustable | 0-900       | 0-500       | 0-600       | 0-500       | 0-600       |
| Power [Watt]:                                     | 20          | 80          | 80          | 80          | 80          |
| Air consumption [l/min]:                          | 150         | 300         | 300         | 300         | 300         |
| Noise level [db (A)]:                             | 71          | 71          | 71          | 71          | 71          |
| Weight [g]:                                       | 240         | 820         | 810         | 620         | 630         |
| Max. Tool mounting [mm]:                          | 3 Skt.      | 6           | 6,3 Skt.    | 6           | 6,3 Skt.    |
| Max. Bore hole-Ø [mm]:                            | 10          | 24          | 14          | 24          | 14          |
| Countersink Ø [mm]:                               | 8   12      | 15   25     | 15          | 15   25     | 15          |
| Head height A f. countersink Ø [mm]:              | 20,5   21,5 | 40   48     | 26,5        | 40   48     | 26,5        |
| Collet:   | -           | 6 mm        | -           | 6 mm        | -           |
| Hose unit:  | 001 366 549 | 001 366 548 | 001 366 548 | 001 366 548 | 001 366 548 |
|   | included    | included    | included    | included    | included    |
| Product ID:                                       | 150 800 725 | 150 810 930 | 150 810 925 | 150 810 931 | 150 810 927 |

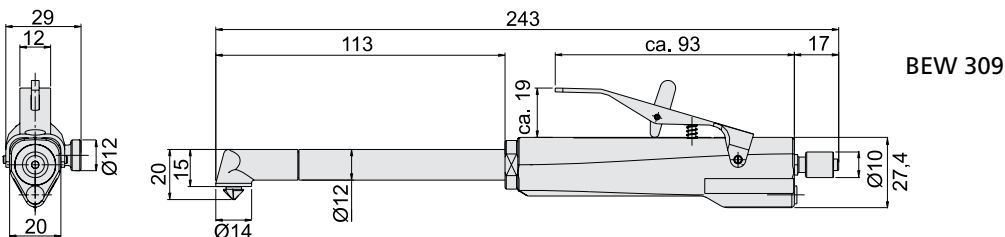
BEW 309

BEW 605 BEW 606

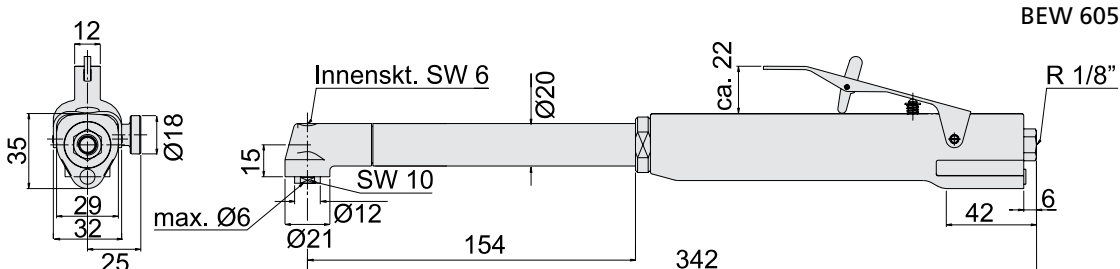
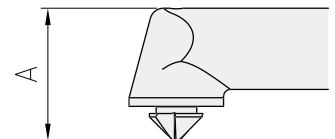
This angular designed machine allows deburring of bore holes in difficult to reach areas, e.g. slanted bore holes that need to be deburred from the inside. The scaled illustrations below show the various head sizes.

BEW 605 K BEW 606 K

This variant of the approved BIAx deburring tools has an improved force-lever balance due to the short design. It allows deburring with lower pressure.




BEW 309



BEW 605

## Tools for Deburring

für BE 309   
Senkbereich/Bohrungs-Ø 2-5,5 mm  
(HSS) 001 950 292

für BE 805   
Senkbereich/Bohrungs-Ø 3,5-14 mm  
(HSS) 001 950 290  
Senkbereich/Bohrungs-Ø 5-24 mm  
(HSS) 001 950 291



BE 309



BE 805



BEG 309

### BE 309 BE 805

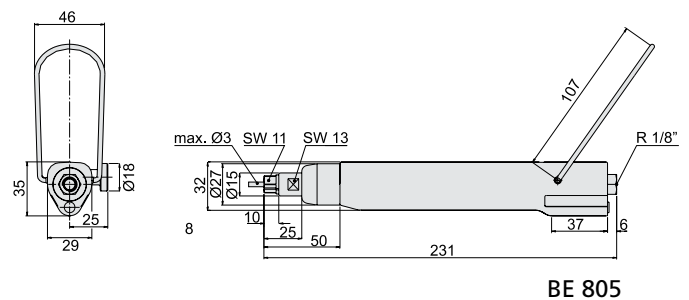
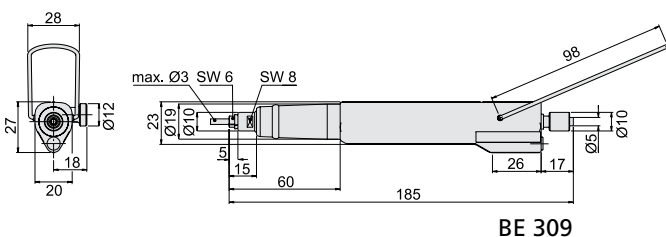
The straight drilling deburrer is available in two different sizes for various bore holes. The push-start feature eases handling.

It is also possible to regulate the rotational speed.

### BEG 309

If you can not put the countersink properly you can use this lever valve version BEG 309.

|   |                         |                         |                         |
|---|-------------------------|-------------------------|-------------------------|
| Designation:                                      | BE 309                  | BE 805                  | BEG 309                 |
| Valve:  | Push-start              | Push-start              | Lever valve             |
| Exhaust air direction:                            | backwards               | backwards               | backwards               |
| Rotational speed [min <sup>-1</sup> ]: adjustable | 0-900                   | 0-500                   | 0-900                   |
| Power [Watt]:                                     | 20                      | 80                      | 20                      |
| Air consumption [l/min]:                          | 150                     | 280                     | 150                     |
| Noise level [db (A)]:                             | 71                      | 71                      | 71                      |
| Weight [g]:                                       | 180                     | 520                     | 250                     |
| Max. Tool mounting [mm]:                          | 3                       | 8                       | 3                       |
| Max. Bore hole-Ø [mm]:                            | 5,5                     | 24                      | 5,5                     |
| Countersink Ø [mm]:                               | 6                       | 15/25                   | 6                       |
| Head heigh f. countersink Ø[mm]:                  | –                       | –                       | –                       |
| Collet:   | ZG 5/3 mm               | ZG 7/8 mm               | ZG 5/3 mm               |
| Hose unit:  | 001 366 549<br>included | 001 366 548<br>included | 001 366 549<br>included |
| Product ID:                                       | 150 800 710             | 150 810 901             | 150 800 745             |



## Tools for Brushing



BE 805 H



BWH 6-25/2 K 90

### BE 805 H

This unit is a variation of the BE 805 that has a lever valve instead of a push-start.

The control button on the side allows switching between clockwise and counterclockwise rotation.

The machine is perfectly suited for brushing bore holes.

Changing the direction of rotation will increase the lifespan of the brush considerably.

### BWH 6-25/2

Drilling or brushing in difficult to reach areas is no longer a problem when using this angled drilling machine with long spindle and small angle head.

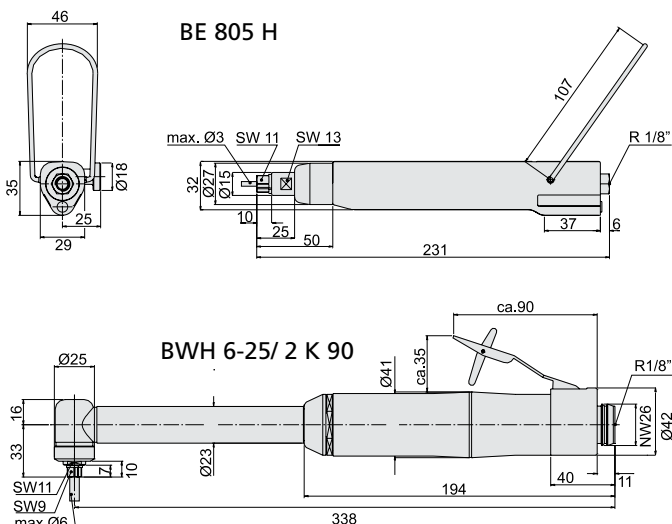
You can choose between the 90° or 45° versions.

The machine is however not only suited for drilling. Brushes can also be fixed into the robust angle head, which has an optimised gear bearing set.

You can therefore use this machine for cleaning, deburring and finishing surfaces made of metal, plastic and wood.

Truly multi-talented.

|  |             |                |                |
|--|-------------|----------------|----------------|
| Designation:                           | BE 805 H    | BWH 6-25/2 K90 | BWH 6-25/2 K45 |
| Valve:                                 | Lever valve | Lever valve    | Lever valve    |
| Exhaust air direction:                 | backwards   | backwards      | backwards      |
| Rotational speed [min <sup>-1</sup> ]: | 500         | 2500           | 2500           |
| Power [Watt]:                          | 80          | 300            | 300            |
| Air consumption [l/min]:               | 280         | 500            | 500            |
| Noise level [db (A)]:                  | 71          | 75             | 75             |
| Weight [g]:                            | 570         | 1220           | 1240           |
| Max. Tool mounting [mm]:               | 8           | 6              | 6              |
| Collet:                                | ZG 7/8 mm   | ZG 4/6 mm      | ZG 4/6 mm      |
| Hose unit:                             | 001 366 548 | 001 366 578    | 001 366 578    |
|  | included    |                |                |
| Product ID:                            | 150 810 915 | 150 222 310    | 150 222 320    |



To provide  
the right tool  
for every  
situation,  
BIAx offers  
a wealth  
of unit  
variations.



## Tools for Filing and Polishing

### FR 8-12

This unit is meant for small filing and deburring work.

### FLV 8-12

This brand new tool is meant for use in the same applications as the PLF 88 filer. The distinctive feature of this tool is its low-vibration operation.

According to the vibrations guideline 2002 / 44 / EG this patented vibration attenuation prevents person and tool.

\* Provided accessories for FLV 8-12

1 flat file (coarse) 001 620 204  
 1 half-round file (coarse) 001 620 207  
 1 flat file (medium) 001 620 201  
 1 round file (medium) 001 620 210  
 1 pointe round file (medium) 001 620 211  
 1 polishing shoe 35 x 25 mm 001 620 443  
 Abrasive tapes (one of each grain type)  
 Grain: 80, 120, 240, 400  
 4 different saw blades

### PLF 88

This high-performance multi-purpose tool is ideal for filing, deburring, sawing, polishing and cutting.



FR 8-12

New patented vibrations guideline



FLV 8-12



PLF 88

|   |                 |   |   |
|---|-----------------|---|---|
| Designation:  | FR 8-12         | FLV 8-12*   | PLF 88  |
| Power [Watt]:                                       | 280             | 300   | 300   |
| Valve:  | Lever valve     | Lever valve   | Lever valve   |
| Exhaust air direction:                              | backwards       | backwards   | backwards   |
| Strokes per minute: [min <sup>-1</sup> ] adjustable | 0-12.000        | 12.000  | 0-12.000  |
| Stroke length [mm]:                                 | 4-8 adjustable  | 4-9 adjustable  | 2-8 adjustable  |
| Air consumption [l/min]:                            | 250             | 250-300   | 250   |
| Noise level [db (A)]:                               | 73              | 70  | 71  |
| Weight [g]:   | 640             | 700   | 760   |
| Max. Tool mounting [mm]:                            | 4,0             | 6,0   | 6,0   |
| Tool holder:  | mounted by 4 mm | mounted by 4 mm   | mounted by 4 mm   |
| Hose unit:  | 001 974 552     | 001 974 552   | 001 974 552   |
|   | included        | included  | included  |
| Product ID:   | 150 322 850     | 150 322 870   | 150 322 860   |
| Accessories:  | Plastic case    | Plastic case<br>Tool holders<br>3, 4 and 6.0<br>Holder device | Plastic case<br>Tool holders<br>3, 4 and 6.0<br>Holder device |

## Tools for Filing and Deburring.



FR 10-5/2

### FR 10-5/2

The 6mm tool holding fixture, the stable design and the almost maintenance-free piston motor makes this filer indispensable as a tool, even under extreme stress.



FR 5-4

### FR 5-4

This tool has an extremely powerful motor. Stroke length and stroke rate are adjustable. This unit is available with a twist valve.



FR 8-2

### FR 8-2

An extremely robust tool. The stroke length is 8 mm; the unit is set to 2,000 strokes per minute.

|   |                   |                |             |
|---|-------------------|----------------|-------------|
| Designation:  | FR 10-5/2         | FR 5-4         | FR 8-2      |
| Valve:  | Lever valve       | Twist valve    | Lever valve |
| Exhaust air direction:                              | backwards         | backwards      | backwards   |
| Strokes per minute: [min <sup>-1</sup> ] adjustable | 5500              | 2000 – 4000    | 2000        |
| Stroke length [mm]:                                 | adjustable to 10  | 1-5 adjustable | 8           |
| Air consumption [l/min]:                            | 280               | 260            | 310         |
| Noise level [db (A)]:                               | 72                | 74             | 73          |
| Weight [g]:   | 750               | 940            | 1250        |
| Max. Tool mounting [mm]:                            | 6                 | 3              | 6           |
| Carbide tools:                                      |                   |                |             |
| Collet:   | Straining screw   | ZG 5/3 mm      | ZG 4/6 mm   |
| Hose unit:  | 001 964 528 incl. | 001 366 505    | 001 366 505 |
| Product ID:   | 150 930 220       | 150 310 810    | 150 322 611 |

## Tools for Polishing and Deburring.

### FR 5-8

This pistol filer distinguishes itself with very good handling. It is low in both vibration and noise. The stroke rate and the stroke length are adjustable. The file handle can be turned easily.



FR 5-8

### FR 3-8 und FR 5-8 N

The design of these two pistol filers is quite similar. While the stroke rate of the FR 3-8 is set to 3 mm, that of the FR 5-8 N is set to 5 mm.



FR 3-8  
FR 5-8 N



| Designation:                                       | FR 5-8          | FR 3-8          | FR 5-8 N        |
|--|-----------------|-----------------|-----------------|
| Valve:   | Lever valve     | Lever valve     | Lever valve     |
| Exhaust air direction:                             | backwards       | backwards       | backwards       |
| Strokes per minute [min <sup>-1</sup> ] adjustable | 0-8000          | 0-8000          | 0-8000          |
| Stroke length [mm]:                                | 1-5 regelbar    | 3               | 5               |
| Air consumption [l/min]:                           | 230             | 230             | 230             |
| Noise level [db (A)]:                              | 72              | 72              | 72              |
| Weight [g]:  | 800             | 720             | 720             |
| Max. Tool mounting [mm]:                           | 4               | 4               | 4               |
| Tool holder:                                       | Straining screw | Straining screw | Straining screw |
| Hose unit:   | 001 366 571     | 001 366 571     | 001 366 571     |
|  | uncluded        | uncluded        | uncluded        |
| Product ID:  | 150 322 830     | 150 322 730     | 150 322 735     |

## Tools

### for Chiseling, Engraving and Drilling.

|                    |   |   |
|--------------------|---|---|
| Chisel type MD 100 |  | flat chisel small 6 mm<br>Product ID: 001 963 529     |
|                    |  | flat chisel wide B 12,5 mm<br>Product ID: 001 963 531 |
|                    |  | flat chisel angular B 9 mm<br>Product ID: 001 963 530 |

|                   |   |   |  |
|-------------------|---|---|--|
| Chisel type GMD 3 |    | flat chisel small B 3 mm<br>Product ID: 003 000 730 | Chisel set complete<br>Product ID: 007 000 979 |
|                   |  | flat chisel wide B 5 mm<br>Product ID: 003 000 463  |  |
|                   |  | flute chisel B 1 mm<br>Product ID: 003 000 895      |  |
|                   |  | billet hexagonal 3 mm<br>Product ID: 003 000 979    |  |
|                   |  | engraving pin<br>Product ID: 007 001 184            |  |



#### MD 100

This more powerful Chisel is very useful in all kind of metal application. The tool is characterized by a forceful construction.



#### GMD 3

A tool used for engraving and chiselling. This following accessories are included in delivery. 1 carbide writing utensil, various chisels, a chisel blank and an extension tube.

#### BP 0,5-10 BP 3-10

This variants of BIAx Drilling machines are very useful for robust use. Suitably the two tools have 33,514 mmery good engine power.



|  |             |             |             |             |
|--|-------------|-------------|-------------|-------------|
| Designation:                           | MD 100      | GMD 3       | BP 3-10     | BP 0,5-10   |
| Valve:                                 | Twist valve | Twist valve | Push-start  | Push-start  |
| Exhaust air direction:                 | backwards   | forwards    | backwards   | backwards   |
| rokes per minute [min <sup>-1</sup> ]: | 3000        | 3000        |             |             |
| Rotational speed [min <sup>-1</sup> ]: |             |             | 3000        | 500         |
| Power [Watt]:                          |             |             | 250         | 220         |
| Air consumption [l/min]:               | 130         | 80          | 450         | 450         |
| Noise level[db (A)]:                   | 65          | 80          | 77          | 77          |
| Weight [g]:                            | 530         | 100         | 1250        | 1700        |
| Max. Tool mounting [mm]:               | 6 Skt.      | 3 Skt.      | 10          | 10          |
| Hose unit:                             | included    | 001 366 539 | 001 366 912 | 001 366 912 |
| Product ID:                            | 150 800 310 | 150 800 301 | 150 223 020 | 150 223 100 |

## BIAX Files

Straight Design /  
Min. order 5 units



Shank Ø 3,8 mm, Head length 60 mm

For use with the following BIAX pneumatic filers: FR 3-8, FR 5-8

|                |             |             |             |             |             |             |             |                                      |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| Profile:       | scale 1:1   |             |             |             |             |             |             | Filing set (1 unit of every profile) |
| Width x Height | mm          | 7 x 2       | 2,8 x 2,8   | 4 x 4       | 6 x 2,5     | 7,5 x 2     | ø 4         | -                                    |
| Cut 1 (coarse) | Product ID: | 001 620 837 | 001 620 838 | 001 620 839 | 001 620 840 | 001 620 841 | 001 620 842 | 300 000 500                          |
| Cut 3 (fine)   | Product ID: | 001 620 849 | 001 620 850 | 001 620 851 | 001 620 852 | 001 620 853 | 001 620 854 | 300 002 000                          |

Shank Ø 6 mm, Head length 80 mm

For use with the following BIAX pneumatic filers: FR 8-2, FR 10-5, FLV 8-12

|                |             |             |             |             |             |             |             |                                      |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| Profile:       | scale 1:2   |             |             |             |             |             |             | Filing set (1 unit of every profile) |
| Width x Height | mm          | 12 x 6      | 8 x 8       | 9 x 9       | 12 x 5      | 12 x 6      | ø 6         | -                                    |
| Cut 1          | Product ID: | 001 620 801 | 001 620 802 | 001 620 803 | 001 620 804 | 001 620 805 | 001 620 806 | 300 000 300                          |
| Cut 3          | Product ID: | 001 620 813 | 001 620 814 | 001 620 815 | 001 620 816 | 001 620 817 | 001 620 818 | 300 001 700                          |

## BIAX Files

Straight Design  
Min. order 10 units



Shank-Ø 4 mm

For use with the following BIAX pneumatic filers: FR 3-8, FR 5-8, FR 8-12, FLV 8-12, PLF 88

|                |             |             |             |             |             |             |             |             |                         |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------|
| Profile        | Maßstab 1:2 |             |             |             |             |             |             |             |                         |
| Length         | [mm]:       | 90          | 90          | 65          | 90          | 90          | 90          | 75          | 90                      |
| Width x Height | [mm]:       | 6,5 x 2     | 10 x 3      | 15 x 3      | ø 4         | ø 6         | 6,5 x 2,5   | 10 x 3      | 4,3 x 4,3               |
| Cut coarse     | Product ID: | 001 620 202 | 001 620 203 | 001 620 204 | 001620213   | -           | 001 620 207 | 001 620 205 | 001 620 209 001 620 212 |
| Cut medium     | Product ID: | 001 620 201 | -           | -           | 001 620 210 | 001 620 211 | 001 620 206 | -           | 001 620 208 -           |

## BIAX Files

Curved Design  
Min. order 5 units



Shank Ø 3,8 mm, Head length 65 mm

For use with the following BIAX pneumatic filers: FR 3-8, FR 5-8, FR 8-12, FLV 8-12, PLF 88

|                |             |             |             |             |             |             |             |                                      |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| Profile:       | Maßstab 1:1 |             |             |             |             |             |             | Filing set (1 unit of every profile) |
| Width x Height | [mm]:       | 7 x 2       | 3,5 x 3,5   | 4 x 4       | 6 x 2,5     | 7,5 x 2     | ø 4         | -                                    |
| Cut 2 (medium) | Product ID: | 001 620 879 | 001 620 880 | 001 620 881 | 001 620 882 | 001 620 883 | 001 620 884 | 300 000 700                          |
| Cut 1 (coarse) | Product ID: | 001-620-885 |             |             |             |             |             |                                      |

## BIAX Diamond-Coated Files

Straight Design  
Min. order 5 units



Shank Ø 3 mm, Head length 25 mm

For use with the following BIAX pneumatic filers: FR 3-8, FR 5-8, FR 5-4, FR 8-12, FLV 8-12, PLF 88

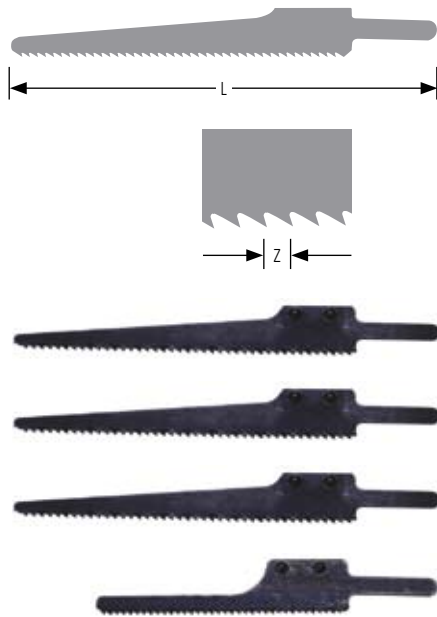
|                |             |             |             |             |             |             |             |                                      |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| Profile:       | scale 1:1   |             |             |             |             |             |             | Filing set (1 unit of every profile) |
| Width x Height | [mm]:       | 5 x 2       | 4 x 4       | 3 x 3       | 6 x 3       | ø 2         | ø 4         | -                                    |
| Grain D 100    | Product ID: | 001 620 861 | 001 620 862 | 001 620 863 | 001 620 864 | 001 620 865 | 001 620 866 | 300 000 600                          |



| Tool Holder for     | FR 8-12,    | PLF 88,     | FLV 8-12                |
|---------------------|-------------|-------------|-------------------------|
| Tool mounting [[mm] | 3           | 4           | 6,4                     |
| Product ID:         | 001 974 430 | 001 974 411 | 001 974 443 001 974 431 |

| Opposite Support for FR 8-12 | PLF 88      | FLV 8-12                |
|------------------------------|-------------|-------------------------|
| Product ID:                  | 001 974 418 | 001 974 542 001 974 623 |

When the filers are used as saws, the support is needed to sustain the machine against the work piece. The support is progressively adjustable, e.g. in order to limit the insertion depth of the saw blade



### Saw Blades (min. order 10 units)

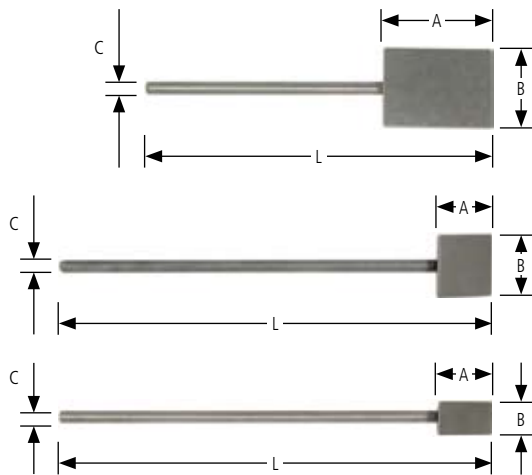
These saw blades

- set standards for service life and economic efficiency
- deliver maximum cutting performance
- are extremely flexible and stress resistant

The teeth are made of high quality HSS steel. The base material is made out of spring steel - selected and then immediately heat-treated - for the highest flexibility, toughness and wear resistance.

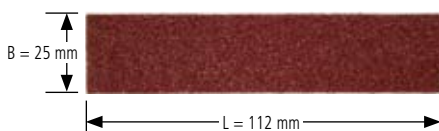
| Saw Blade Length [mm] | Teeth L interval [mm] | quantity Z tooth | Product ID  | Range of applications   |
|-----------------------|-----------------------|------------------|-------------|---|
| 96                    | 0,8                   | 32 tpi*          | 001 974 432 | All thin metal sheets, steel sheet to 1.0 mm                            |
| 96                    | 1,0                   | 24 tpi*          | 001 974 433 | Steel sheet to 3,0 mm, aluminium to 1,5 mm chrome steel sheet to 1,5 mm |
| 96                    | 1,8                   | 14 tpi*          | 001 974 434 | Heavy metals, aluminium, non-ferrous to 4 mm wood, chip boards          |
| 72                    | 1,4                   | 18 tpi*          | 001 974 435 | Special tighter curve radius for sawing                                 |

\* tooth per inch



### Polishing shoe

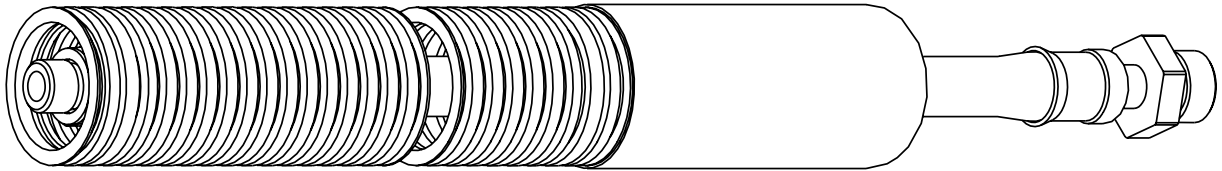
| Shoe length [mm] | Width [mm] | Total length [mm] | Shank C [mm] | Product ID: |
|------------------|------------|-------------------|--------------|-------------|
| 35               | 25         | 110               | 4            | 001 974 436 |
| 20               | 20         | 140               | 4            | 001 974 437 |
| 20               | 11         | 140               | 4            | 001 974 438 |



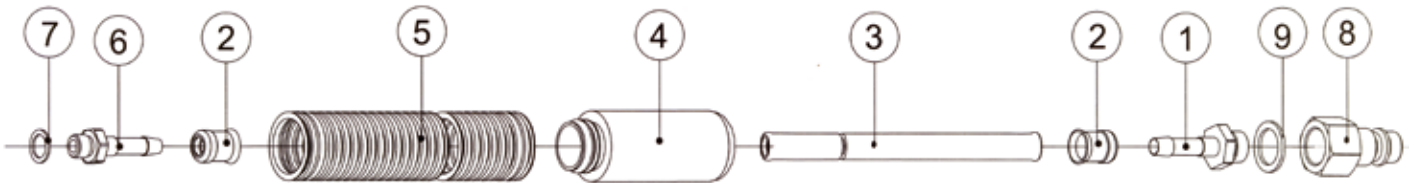
### Abrasive Tape for polishing shoes, self adhesive (min. order 10 units)

|             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|
| Grain       | 80          | 120         | 240         | 400         |
| Product ID: | 001 974 439 | 001 974 440 | 001 974 441 | 001 974 442 |

## Hose Units



|                              |             |             |             |             |             |             |             |             |             |             |             |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Complete hose unit:          | 001 366 505 | 001 366 516 | 001 366 528 | 001 366 594 | 001 366 595 | 001 366 548 | 001 366 549 | 001 366 577 | 001 366 578 | 001 366 580 | 001 366 576 |
| Plug-in nipple included (8): | 001 367 711 | 001 367 712 | 001 367 712 | 001 367 711 | 001 367 711 | 001 367 711 | 001 367 711 | 001 367 711 | 001 367 711 | 001 367 712 | -           |
| Washer included (9):         | 001 367 616 | 001 313 102 | 001 313 102 | 001 367 616 | 001 367 616 | 001 367 616 | 001 367 616 | 001 367 616 | 001 367 616 | 001 313 102 | -           |
| Hose nozzle (1):             | 001 366 207 | 001 366 202 | 001 366 202 | 001 366 207 | 001 366 216 | 001 366 207 | 001 366 216 | 001 366 207 | 001 366 207 | 001 366 202 | 001 366 610 |
| Hose clamp (2):              | 001 372 606 | 001 372 610 | 001 372 610 | 001 369 406 | 001 369 408 | 001 372 606 | 001 369 408 | 001 372 606 | 001 372 606 | 001 372 610 | 001 369 408 |
| Pressure hose (3):           | 001 366 357 | 001 366 320 | 001 366 320 | 001 366 357 | 001 366 308 | 001 366 357 | 001 366 308 | 001 366 357 | 001 366 357 | 001 366 320 | 001 366 308 |
| Silencer (4):                | 003 008 026 | -           | 001 365 014 | -           | 003 008 000 | -           | -           | 003 008 023 | 003 008 026 | 001 365 014 | 003 008 000 |
| Exhaust air hose (5):        | 001 331 142 | 001 331 147 | 001 331 142 | -           | 001 331 189 | 001 331 161 | 001 331 158 | 001 331 177 | 001 331 163 | 001 331 142 | 001 331 189 |
| External thread nozzle (6):  | 003 003 528 | 003 003 702 | 003 003 702 | -           | 003 003 447 | 001 366 204 | -           | 001 366 204 | 001 366 204 | 001 366 211 | 003 006 356 |
| Washer (7):                  | 001 312 005 | 001 313 103 | 001 313 103 | -           | -           | 001 312 205 | -           | 001 312 205 | 001 312 205 | 001 313 303 | 001 312 202 |
| Bulk Hosing:                 |             |             |             |             |             |             |             |             |             |             |             |
| Pressure hose:               | 001 366 356 | 001 366 318 | 001 366 318 | 001 366 356 | 001 366 309 | 001 366 356 | 001 366 309 | 001 366 356 | 001 366 356 | 001 366 318 | 001 366 309 |
| Exhaust air hose:            | 001 331 143 | 001 331 143 | 001 331 143 | -           | -           | 001 331 160 | 001 331 157 | 001 331 160 | 001 331 162 | 001 331 143 | -           |
| Technical data:              |             |             |             |             |             |             |             |             |             |             |             |
| Length [m]                   | 3           | 3           | 3           | 3           | 1,5         | 1,5         | 1,5         | 3           | 3           | 3           | 1,5         |
| Inner Ø [mm]                 | 7           | 10          | 10          | 7           | 4,5         | 7           | 4,5         | 7           | 7           | 10          | 4,5         |
| Weight [kg]                  | 0,5         | 0,5         | 0,7         | 0,24        | 0,11        | 0,21        | 0,1         | 0,4         | 0,4         | 0,7         | 0,11        |



## Collets



| Type                   | ZG 1        | ZG 1 A      | ZG 4        | ZG 5        | ZG 7        | ZG 8        |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                        | Order No.   | Order No..  | Order No.   | Order No.   | Order No.   | Order No.   |
| Inner Diameter 0,5 mm  | -           | -           | -           | 001 999 871 | -           | -           |
| Inner Diameter 1,0 mm  | -           | -           | 001 999 957 | 001 999 989 | 001 999 868 | -           |
| Inner Diameter 1,5 mm  | -           | -           | 001 999 960 | 001 999 988 | -           | -           |
| Inner Diameter 2,0 mm  | 001 999 932 | -           | 001 999 959 | 001 999 987 | 001 999 867 | -           |
| Inner Diameter 2,5 mm  | -           | -           | 001 999 952 | 001 999 986 | -           | -           |
| Inner Diameter 3,0 mm  | 001 999 999 | 001 999 995 | 001 999 991 | 001 999 985 | 001 999 982 | -           |
| Inner Diameter 3,5 mm  | -           | -           | 001 999 951 | -           | 001 999 924 | -           |
| Inner Diameter 4,0 mm  | 001 999 998 | 001 999 949 | 001 999 961 | -           | 001 999 973 | -           |
| Inner Diameter 5,0 mm  | 001 999 997 | -           | 001 999 958 | -           | 001 999 972 | -           |
| Inner Diameter 6,0 mm  | 001 999 996 | 001 999 994 | 001 999 990 | -           | 001 999 981 | 001 999 977 |
| Inner Diameter 7,0 mm  | -           | -           | -           | -           | 001 999 971 | -           |
| Inner Diameter 8,0 mm  | -           | 001 999 993 | -           | -           | 001 999 980 | 001 999 976 |
| Inner Diameter 10,0 mm | -           | 001 999 992 | -           | -           | -           | 001 999 975 |
| Inner Diameter 1/8 "   | -           | -           | 001 999 964 | 001 999 983 | 001 999 979 | -           |
| Inner Diameter 1/4 "   | -           | -           | 001 999 965 | -           | 001 999 978 | -           |
| Inner Diameter 3/32 "  | -           | -           | 001 999 970 | 001 999 984 | -           | -           |

Further special versions on request

## Oil Supply Units

## Special oil



|                                |             |             |                                 |               |                  |
|--------------------------------|-------------|-------------|---------------------------------|---------------|------------------|
| Order No.                      | 001 367 022 | 001 367 024 | 001 367 023                     | 001 367 045   | Order No. (0,5l) |
| Connection thread:             | R 1/4"      | R 1/4"      | R 1/4"                          | R 1/2"/R 3/8" | 001 365 602      |
| Max. Working pressure [bar]:   | 10          | 10          | 10                              | 10            |                  |
| Rate of flow at 6 bar [l/min]: | 550         | 800         | 500                             | 1900          | Order No. (5,0L) |
| Range of adjustment [bar]:     | 0,5-8       | 0,5-10      | 0,5-10                          | 0,5-8         | 001 365 605      |
| Weight [kg]:                   | 0,83        | 0,81        | 0,5                             | 1,9           |                  |
|                                |             |             | For oil-free<br>pneumatic tools |               |                  |

## Single-hand Coupling



|                    |             |             |             |             |             |             |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Connection thread: | R 1/4"      | R 3/8"      | R 1/4" i    | -           | -           | -           | R 1/8"      | R 1/4"      | -           | -           |
| For hose widths:   | -           | -           | -           | 7           | 10          | 4,5         | 4,5         | 4,5         | 7           | 10          |
| Order No.          | 001 366 706 | 001 366 709 | 001 366 717 | 001 366 707 | 001 366 711 | 001 366 215 | 001 366 216 | 001 369 408 | 001 369 401 | 001 369 403 |

## Hose Nozzle



## External Thread Nozzle



|                    |             |             |             |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Connection thread: | -           | -           | -           | R 1/8"      | R 1/4"      | R 1/4"      | R 3/8"      |
| For hose widths:   | 4,5         | 7           | 10          | 7           | 7           | 10          | 10          |
| Order No.          | 001 366 610 | 001 366 603 | 001 366 607 | 001 366 204 | 001 366 207 | 001 366 211 | 001 366 202 |

## Nipple with external thread



## Nipple with internal thread



## Verteilerblock mit Kupplungen



|                    |             |             |             |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Connection thread: | R 1/8"      | R 1/4"      | R 3/8"      | R 1/4" i    | R 3/8" i    | R 3/8" i    | R 1/4" i    |
| Order No.          | 001 367 703 | 001 367 710 | 001 367 706 | 001 367 711 | 001 367 712 | 001 367 211 | 001 367 212 |

## Double Nipple



## Reducing Nipple



## Sealing Ring



|                    |                 |                 |                 |                 |                 |             |             |             |
|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|-------------|-------------|
| Connection thread: | R 1/4" x R 1/4" | R 3/8" x R 3/8" | R 1/4" x R 1/8" | R 3/8" x R 1/4" | R 1/2" x R 3/8" | R 1/8"      | R 1/4"      | R 3/8"      |
| Order No.          | 001 367 101     | 001 367 102     | 001 370 901     | 001 370 902     | 001 370 903     | 001 312 205 | 001 367 616 | 001 313 102 |



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