



# Industrial power brushes

8



8



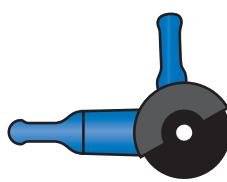


# Industrial power brushes

## Table of contents

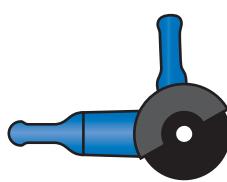
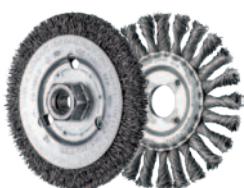
|   |           |
|---|-----------|
| <b>General information</b>                              | <b>4</b>  |
| <b>Filament materials and their application</b>         | <b>5</b>  |
| <b>The fast way to the best tool</b>                    | <b>6</b>  |
| <b>Safety notes and dimensions</b>                      | <b>8</b>  |
| <b>Cutting speeds and recommendations for use</b>       | <b>9</b>  |
| <b>Information on processing stainless steel (INOX)</b> | <b>10</b> |
| <b>Well packed and presented</b>                        | <b>11</b> |

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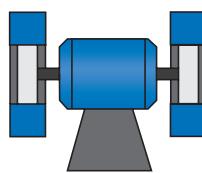
**Cup and bevel brushes**

**12**



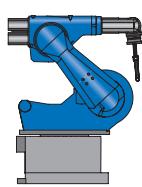
**Wheel brushes**

**17**



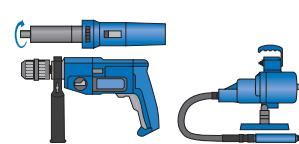
**Wheel brushes with arbor hole**

**21**



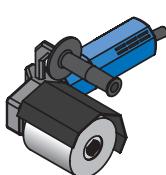
**Composite brushes**

**27**



**Shank-mounted brushes**

**32**



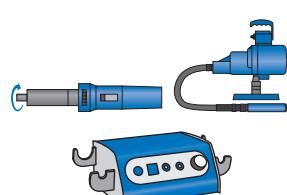
**Wheel brushes for burnishing machines**

**41**



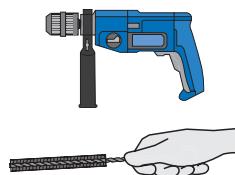
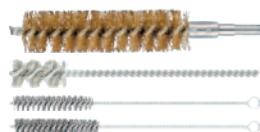
## INOX-TOTAL

42



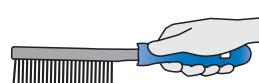
## Miniature brushes

45



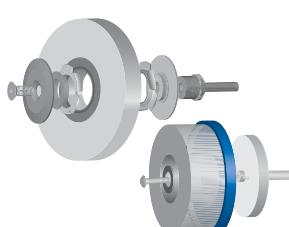
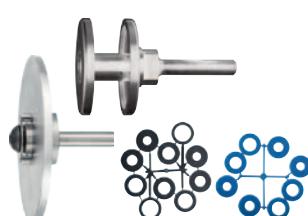
## Tube brushes

48



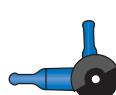
## Scratch brushes

53

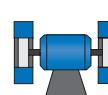


## Accessories

55



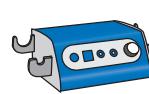
Angle grinder

Burnishing machine/  
drum grinder

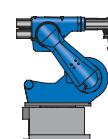
Machine tools



Flexible shaft drive



Micro motor



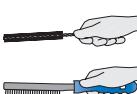
Robot



Power drill



Straight grinder



Manual application



All tools  
and more information:  
[www.pferd.com](http://www.pferd.com)



# Industrial power brushes

## General information

Industrial power brushes from PFERD are top-quality tools for work on surfaces. PFERD offers a wide range of high-quality brushes for professional work on a large variety of materials and for many different applications. PFERD always has the right brush for any use, any application problem and any material.

The quality of PFERD tools has been certified according to ISO 9001.

### Advantages:

- Long tool life due to PFERD special wires with high flexibility and bending fatigue strength.
- High concentricity due to even distribution and secure fixing of the filament material.
- Optimum finishing result due to close matching of main body and visible trim length.

### PFERD knotted wheel and bevel brushes

are manufactured using a special production process. The special fixing of the brush knots significantly improves performance.

### Advantage:

- Greater efficiency due to 25 % longer tool life compared with conventional knotted brushes.



## Ordering note

When ordering, please state the EAN or the complete description.

### Ordering example:

EAN 4007220153017  
RBU 3006/6 ST 0.20

### Ordering example explanation:

|      |  |
|------|--|
| RBU  | = Wheel brush, crimped                       |
| 30   | = Brush dia. D [mm]                          |
| 06   | = Filament width W <sub>F</sub> [mm]         |
| /6   | = Shank dia. D <sub>s</sub> [mm]             |
| ST   | = Filament material steel                    |
| 0.20 | = Filament material dia. D <sub>F</sub> [mm] |

## Customer support

Your PFERD representative can visit you to offer free and non-binding advice and will be happy to help resolve your application problem and answer any questions about using PFERD brushes safely.

## Products made to order

If you cannot find the solution for your particular application in our extensive catalogue range, we can produce brushes in premium PFERD quality specifically for your application on request. Products that can be made to order include different wire thicknesses and qualities, arbor holes or threads and other dimensions.

## PFERDVALUE – Your added value with PFERD

Results from the PFERD test laboratories as well as from the product tests by independent testing institutes prove: PFERD tools offer measurable added value.

Discover **PFERDERGONOMICS** and **PFERDEFFICIENCY**:

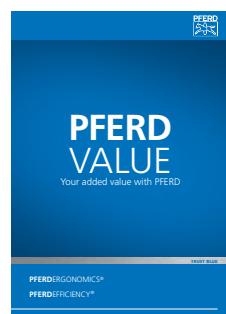
As part of **PFERDERGONOMICS**, PFERD offers ergonomically optimized tools and tool drives that contribute to greater safety and working comfort, and thus to health protection.



As part of **PFERDEFFICIENCY**, PFERD offers innovative, high-performance tool solutions and tool drives with outstanding added value.



For more information on this topic, please refer to our brochure "**PFERDVALUE** – Your added value with PFERD".



## The fast way to the best tool

To help you find the optimum tool for your needs easily, we have summarized the appropriate brushes for the most important applications on pages 6 to 7.

### ① Select the filament material

The material that you are working with is key to determining the optimum filament material.

|                      |   |        |
|----------------------|---|--------|
| Steel wire           | - | grey   |
| Stainless steel wire | - | blue   |
| Plastic filament     | - | red    |
| Brass wire           | - | yellow |
| Natural bristles     | - | brown  |

### ② Select the filament type

The brushing effect you want determines which filament type to choose.

### ③ Select the tool

The application and geometry of the work-piece indicate the optimum brush.

Industrial power brushes are mainly used for:

### ■ Deburring

- Especially removal of secondary burrs produced by milling, grinding, turning or drilling

### ■ Cleaning

- Derusting, descaling
- Work on weld seams
- Cleaning, removal of paint

### ■ Structuring surfaces

- Matt finishing, satinizing
- Roughening



### Wire filament

■ **Crimped brushes (wavy wire):** For work with particular requirements on the flexibility of the brushes, such as machining of highly contoured workpieces.

■ **Knotted brushes (straight wire):** For work that requires aggressive brushing behaviour, such as work on weld seams.

| Filament material  | Temperature resistance | Advantages/properties  |
|--|------------------------|--|
| Steel wire (ST)  | up to 300°C            | <ul style="list-style-type: none"> <li>■ PFERD special wire with high tensile strength and bending fatigue strength.</li> <li>■ Guarantees long tool life, even when used for extreme brushing applications.</li> </ul>  |
| Stainless steel wire (INOX)  | up to 450°C            | <ul style="list-style-type: none"> <li>■ Wire quality 1.4310 (V2A): stainless; does not leave corroding residues on the workpiece.</li> <li>■ Used with low rotational speeds, compared to steel wire.</li> <li>■ PFERD brushes with INOX filament are usually degreased.</li> </ul> |
| Stainless steel wire (INOX)/Diamond (DIA)  |                        | <ul style="list-style-type: none"> <li>■ Particularly well suited to applications that place particular demands on the aggressiveness of the brush.</li> <li>■ Primarily used on materials with high material strength.</li> </ul>   |
| Further information about working with stainless steel (INOX) can be found on page 10. |                        |  |
| Brass wire (MES)   | up to 180°C            | <ul style="list-style-type: none"> <li>■ Wire quality CuZn37: brass wire is softer than steel wire.</li> <li>■ It is non-sparking and produces fine surface finishes.</li> </ul>   |

### Plastic filament

■ Abrasive grains are embedded in flexible plastic filaments, which means that the filament works on the sides as well as at the tip.

■ **Round filament:** for applications that place particular demands on the flexibility of the brush.

■ **Rectangular filament (REC):** for applications that place particular demands on the aggressiveness of the brush.

■ Recommendation for use: Use coolant for applications where large amounts of heat are produced.

| Filament material        | Temperature resistance | Advantages/properties  |
|--------------------------|------------------------|--|
| Silicon carbide (SiC)    |                        | <ul style="list-style-type: none"> <li>■ Particularly well suited to deburring work and for improving surfaces.</li> </ul>   |
| Aluminium oxide (AO)     |                        | <ul style="list-style-type: none"> <li>■ Less sharp-edged and aggressive compared with SiC.</li> <li>■ Primarily suitable for polishing and smoothing for finishing on soft metals.</li> </ul>                                     |
| Ceramic oxide grain (CO) | up to 220°C            | <ul style="list-style-type: none"> <li>■ Offers good toughness and excellent sharpness.</li> <li>■ For high stock removal values and aggressive brushing behaviour.</li> </ul>   |
| Diamond (DIA)            |                        | <ul style="list-style-type: none"> <li>■ Particularly well suited to applications that place particular demands on the aggressiveness of the brush.</li> <li>■ Primarily used on materials with high material strength.</li> </ul> |
| Nylon                    |                        | <ul style="list-style-type: none"> <li>■ Particularly suited to working with materials that would otherwise be scratched or damaged, e.g. soft plastics.</li> </ul>  |

### Natural bristles (animal hair)

■ Primarily suitable for light cleaning and dust removal, as well as for polishing (in combination with polishing pastes).

| Filament material                    | Temperature resistance | Advantages/properties  |
|--------------------------------------|------------------------|--|
| White (SBW) and black (SBS) bristles | up to 150°C            | <ul style="list-style-type: none"> <li>■ Bristles are harder and less flexible than brushes with goat hair filaments.</li> </ul> |
| Goat hair (ZHW)                      |                        |  |

### Selecting the filament material

| Filament material                            | Material that can be worked |                        |                    |  |   |   | Cast iron | Plastics |  |  |
|--|-----------------------------|------------------------|--------------------|--|---|---|-----------|----------|--|--|
|  | Steel                       | Stainless steel (INOX) | Non-ferrous metals |  |   | Hard non-ferrous metals<br>Titanium, bronze, nickel-based and cobalt-based alloys |           |          |  |  |
|  |                             |                        | Aluminium          | Soft non-ferrous metals<br>Brass, copper, zinc | Hard non-ferrous metals<br>Titanium, bronze, nickel-based and cobalt-based alloys |   |           |          |  |  |
| Steel wire (ST)                              | ●                           | -                      | -                  | -  | -   | -   | ●         | ○        |  |  |
| Stainless steel wire (INOX)                  | ○                           | ●                      | ●                  | ○  | ○   | -   | -         | -        |  |  |
| Stainless steel wire (INOX)<br>Diamond (DIA) | ○                           | -                      | -                  | -  | ●   | ●   | ●         | ●        |  |  |
| Brass wire (MES)                             | -                           | -                      | -                  | ●  | -   | -   | -         | -        |  |  |
| Silicon carbide (SiC)                        | ●                           | ●                      | ●                  | -  | ○   | ●   | ●         | ●        |  |  |
| Aluminium oxide (AO)                         | ○                           | ○                      | ●                  | -  | -   | ○   | ○         | ○        |  |  |
| Ceramic oxide grain (CO)                     | ●                           | ○                      | ○                  | -  | ●   | ●   | -         | -        |  |  |
| Diamond (DIA)                                | ○                           | -                      | -                  | -  | ●   | ●   | ●         | ●        |  |  |
| Nylon  | -                           | -                      | ○                  | ○  | -   | -   | -         | ●        |  |  |
| Bristle and goat hair (with polishing paste) | ●                           | ●                      | ●                  | ●  | ●   | ●   | ●         | ●        |  |  |

● = highly suitable   ○ = suitable   - = not suitable



# Industrial power brushes

The fast way to the best tool

| Materials that can be worked | Steel, cast iron, plastics                |   |   |           | Stainless steel (INOX), aluminium, other non-ferrous metals     |
|------------------------------|---|---|---|-----------|---|
| Filament material            | Steel wire (ST)<br>Colour code: grey      |   |   |           | Stainless steel wire (INOX)<br>Colour code: blue                |
| Filament type                |   |   |   |           |   |
| Desired effect               | Aggressive brushing effect, less flexible |   | Light brushing effect, flexible   |           | Very aggressive brushing effect, not flexible                   |
| Weld seam                    |   | RBG p. 18–19     RBG PIPE p. 20–21                              | HBU p. 53     HBK p. 53   | RBV p. 39 | RBG p. 18–19     RBG PIPE p. 20–21                              |
| Structuring surfaces         |   | RBU p. 22–26     RBU SC p. 17     WBU p. 41                     |   |           |   |
| Edge deburring               |   | KBG p. 15–16     RBG p. 18–19     RBG p. 40                     | KBU p. 15, 37     RBU p. 17, 22, 24–26     RBU p. 38     RBU p. 47          | RBV p. 39 | KBG p. 15–16     RBG p. 18–19     RBG p. 40                     |
| Surface deburring            |   | TBG p. 13–14  | TBU p. 12     TBU p. 36   |           | TBG p. 13–14  |
| Interior deburring           |   | PBG p. 35   | PBU p. 32–34     PBU p. 45     TBU p. 46     IBU p. 48, 50, 52              | PBV p. 33 | PBG p. 35   |
| Surface cleaning             |   | TBG p. 13–14     KBG p. 15–16     RBG p. 18–19<br><br>RBG p. 40 | TBU p. 12     KBU p. 15, 37     RBU p. 38     HBU p. 53<br><br>RBU p. 22–26 |           | TBG p. 13–14     KBG p. 15–16     RBG p. 18–19<br><br>RBG p. 40 |
| Interior cleaning            |   | PBG p. 35   | PBU p. 32–34     PBU p. 45     TBU p. 46     IBU p. 48, 50, 52              | PBV p. 33 | PBG p. 35   |
| Polishing                    |   |   |   |           |   |



| Stainless steel (INOX), aluminium, other non-ferrous metals   | Steel, stainless steel (INOX), aluminium, non-ferrous metals, titanium, cast, plastics, wood              | Brass, copper, other non-ferrous metals  | Steel, stainless steel (INOX), non-ferrous metals, cast iron   |   |  |   |   |   |  |   |  |   |  |
|---|---|--|--|---|--|---|---|---|--|---|--|---|--|
| <b>Stainless steel wire (INOX)</b><br>Colour code: blue   | <b>Plastic filament (SiC, CO, nylon)</b><br>Colour code: red  | <b>Brass wire (MES)</b><br>Colour code: yellow   | <b>Natural materials</b><br>Colour code: brown   |   |  |   |   |   |  |   |  |   |  |
| <br>crimped                      | <br>crimped              | <br>crimped            | <br>crimped                 |   |  |   |   |   |  |   |  |   |  |
| <b>Light brushing effect, flexible</b>  | <b>Grinding brushing effect, very flexible</b>  | <b>Light brushing effect, flexible</b>   | <b>Light brushing effect (use with polishing pastes)</b>   |   |  |   |   |   |  |   |  |   |  |
| <br>HBU<br>p. 53                 | <br>HBK<br>p. 53         |  | <br>HBU<br>p. 53            |   |  |   |   |   |  |   |  |   |  |
| <br>RBU<br>p. 17, 22, 24–26      | <br>WBU<br>p. 41         | <br>RBU<br>p. 22–24, 26 | <br>RBUP<br>p. 27–28          | <br>WBU<br>p. 41                     |  |   |   |   |  |   |  |   |  |
| <br>KBU<br>p. 15, 37            | <br>RBU<br>p. 22, 24–26 | <br>RBU<br>p. 38       | <br>RBU<br>p. 47             | <br>RBU<br>p. 22–24, p. 27–28<br>26 | <br>RBUP<br>p. 27–28                 | <br>RBU<br>p. 39      | <br>RBU<br>p. 47            | <br>RBU<br>p. 38  | <br>RBU<br>p. 47             |   |  |   |  |
| <br>TBU<br>p. 12               | <br>TBU<br>p. 36       | <br>TBU<br>p. 12      | <br>DBU<br>p. 29–30         | <br>TBU<br>p. 36                   |  |   |   |   |  |   |  |   |  |
| <br>PBU<br>p. 32–34            | <br>PBU<br>p. 45       | <br>TBU<br>p. 46      | <br>IBU<br>p. 48, 50,<br>52 | <br>PBU<br>p. 31–32                | <br>PBU<br>p. 45                    | <br>TBU<br>p. 46     | <br>IBU<br>p. 48,<br>51–52 | <br>PBU<br>p. 32 | <br>PBU<br>p. 45            | <br>TBU<br>p. 46 | <br>IBU<br>p. 48, 50,<br>52 |   |  |
| <br>TBU<br>p. 12               | <br>KBU<br>p. 15, 37   | <br>RBU<br>p. 38      | <br>HBU<br>p. 53            | <br>TBU<br>p. 12                   | <br>RBU<br>p. 22–24, p. 27–28<br>26 | <br>RBUP<br>p. 29–30 | <br>DBU<br>p. 29–30        | <br>RBU<br>p. 38 | <br>HBU<br>p. 53            |   |  |   |  |
| <br>RBU<br>p. 17, 22,<br>24–26 |   | <br>TBU<br>p. 36      | <br>RBU<br>p. 39            |   |  |   |   |   |  |   |  |   |  |
| <br>PBU<br>p. 32–34            | <br>PBU<br>p. 45       | <br>TBU<br>p. 46      | <br>IBU<br>p. 48, 50,<br>52 | <br>PBU<br>p. 31–32                | <br>PBU<br>p. 45                    | <br>TBU<br>p. 46     | <br>IBU<br>p. 48,<br>51–52 | <br>PBU<br>p. 32 | <br>IBU<br>p. 48, 50,<br>52 | <br>PBU<br>p. 45 | <br>TBU<br>p. 46            |   |  |
|   |   |  |  |   |  |   |   |   |  | <br>RBU<br>p. 47 | <br>PBU<br>p. 45            | <br>TBU<br>p. 46 |  |





# Industrial power brushes

## Safety notes and dimensions

### PFERD – safe tools are our speciality

PFERD industrial power brushes meet a high standard of quality and safety, which is constantly monitored and further developed in our own laboratories. As one of the leading manufacturers of brush tools, PFERD fulfils the requirements of European standard EN 1083.

Guidelines on the safe and economic use of PFERD brushes are supplied with every packaging unit. They help you to increase your level of personal work safety.



### Safety notes:



= Wear eye protection!



= Wear hearing protection!



= Wear a dust mask!



= Wear gloves!



= Read the safety notes!



= Use a protective machine cover!

### Maximum permitted rotational speed

In order to guarantee operating safety, the maximum permitted rotational speed indicated on the brush, label and in this catalogue must never be exceeded!

Please refer to our product information and product tables for further recommendations regarding optimum operating speeds. These give details of the recommended rotational speeds [RPM] for an optimum working result.

### Brush diameter

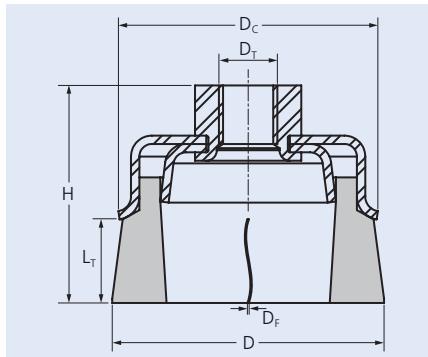
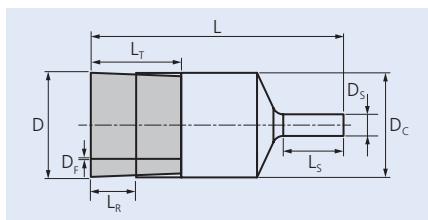
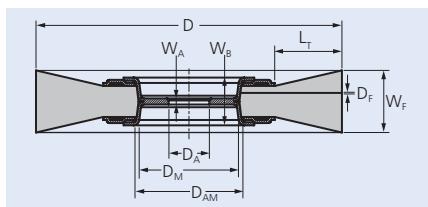
In the case of hand-held tool drives, the brush diameter should never exceed 180 mm, regardless of the filament material.

### Minimum arbor hole diameter according to EN 1083

Brushes must comply with the minimum arbor hole diameters ( $D_A$ ) listed below, depending on their total diameter (D).

| Total dia. D of the brush [mm] | Minimum arbor hole dia. D <sub>A</sub> [mm] |
|--------------------------------|---|
| 50                             | 4.6   |
| 75                             | 6.5   |
| 100                            | 10  |
| 150                            | 13  |
| 200                            | 16  |
| 250                            | 20  |
| 300                            | 20  |
| 350                            | 32  |

### Explanation of dimensions



| Abbreviation    | Unit | Description  |
|-----------------|------|--|
| D               | mm   | Nominal outer diameter of the brush or the working surface for end brushes   |
| D <sub>A</sub>  | mm   | Hole diameter  |
| D <sub>AM</sub> | mm   | Max. hole diameter in main body  |
| D <sub>C</sub>  | mm   | Max. diameter of the main body   |
| D <sub>F</sub>  | mm   | Nominal dimension of the filament material (wire thickness)  |
| D <sub>M</sub>  | mm   | Diameter in hole area  |
| D <sub>S</sub>  | mm   | Shank diameter in shank-mounted brushes, shaft diameter for wheel brushes for burnishing machines, stem diameter (core) for pipe brushes |
| D <sub>T</sub>  | mm   | Nominal thread designation   |
| H               | mm   | Nominal total height (incl. components for arbor hole or thread as well as shank)  |
| L               | mm   | Nominal total length for end brushes (without guide pins) and pipe brushes   |
| L <sub>S</sub>  | mm   | Usable length for shank or stem, total length of the mounting shaft, usable thread length  |
| L <sub>T</sub>  | mm   | Nominal length of the filament material (free length of the filament material)   |
| L <sub>R</sub>  | mm   | Total length of the filament material (free length without bridle)   |
| W <sub>A</sub>  | mm   | Width of the main body at the hole / thread  |
| W <sub>B</sub>  | mm   | Installation width, widest point of the main body  |
| W <sub>F</sub>  | mm   | Nominal dimensions of the working width  |



### Determining the recommended rotational speed

- ① Select brush type.
- ② Read the recommended cutting speed.
- ③ Determine the rotational speed using the brush diameter and cutting speed.

The recommended cutting speed ranges [m/s] depend on the respective application and lie below the maximum permitted cutting speed.

| ① Brush type                                 | ② Cutting speed   |
|--|-------------------|
| End brushes                                  | 5-15 m/s          |
| Cup brushes                                  | 15-45 m/s         |
| Shank-mounted wheel brushes                  | 15-40 m/s         |
| Wheel/bevel brushes with arbor hole/threaded | See diagram below |

### ② Recommended cutting speed [m/s] for wheel/bevel brushes with arbor hole/threaded

| Application                         | [m/s]   | 10 | 15 | 20        | 25        | 30        | 35        | 40        | 45 | 50 | 55 |
|-------------------------------------|---------|----|----|-----------|-----------|-----------|-----------|-----------|----|----|----|
| Deburring/<br>edge breaking         | knotted |    |    |           |           |           | 35-45 m/s |           |    |    |    |
|                                     | crimped |    |    |           |           | 30-40 m/s |           |           |    |    |    |
|                                     | knotted |    |    |           | 25-40 m/s |           |           |           |    |    |    |
|                                     | crimped |    |    | 15-30 m/s |           |           |           |           |    |    |    |
| Removal of scale/<br>mill scale     | knotted |    |    |           |           |           | 35-55 m/s |           |    |    |    |
|                                     | crimped |    |    |           |           | 30-40 m/s |           |           |    |    |    |
|                                     | knotted |    |    |           |           |           | 35-40 m/s |           |    |    |    |
|                                     | crimped |    |    |           |           | 30-35 m/s |           |           |    |    |    |
| Cleaning/<br>roughening of surfaces | knotted |    |    |           |           | 20-40 m/s |           |           |    |    |    |
|                                     | crimped |    |    |           | 15-35 m/s |           |           |           |    |    |    |
|                                     | knotted |    |    |           |           | 15-30 m/s |           |           |    |    |    |
|                                     | crimped |    |    |           |           |           | 35-55 m/s |           |    |    |    |
| Weld dressing                       | knotted |    |    |           |           |           | 30-40 m/s |           |    |    |    |
|                                     | crimped |    |    |           |           |           | 30-45 m/s |           |    |    |    |
|                                     | knotted |    |    |           |           |           |           | 25-40 m/s |    |    |    |
|                                     | crimped |    |    |           |           |           |           |           |    |    |    |

The colour bars correspond to the colour codes of the filament materials (see page 4).

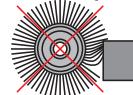
### ③ Recommended rotational speeds [RPM]

| n<br>[RPM] | Brush dia. D [mm] |    |    |    |    |    |    |    |    |    |     |     |     |                               |            |                   |     |     |
|------------|-------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-------------------------------|------------|-------------------|-----|-----|
|            | 10                | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | 80 | 100 | 115 | 125 | 150                           | 175        | 200               | 250 | 300 |
| 1,000      | 1                 | 1  | 1  | 1  | 2  | 2  | 3  | 3  | 4  | 4  | 5   | 6   | 7   | 8                             | 9          | 10                | 13  | 16  |
| 1,250      | 1                 | 1  | 1  | 2  | 2  | 3  | 3  | 4  | 5  | 5  | 7   | 8   | 8   | 10                            | 11         | 13                | 16  | 20  |
| 1,500      | 1                 | 1  | 2  | 2  | 2  | 3  | 4  | 5  | 6  | 6  | 8   | 9   | 10  | 12                            | 14         | 16                | 20  | 24  |
| 1,750      | 1                 | 1  | 2  | 2  | 3  | 4  | 5  | 5  | 7  | 7  | 9   | 11  | 11  | 14                            | 16         | 18                | 23  | 27  |
| 2,000      | 1                 | 2  | 2  | 3  | 3  | 4  | 5  | 6  | 8  | 8  | 10  | 12  | 13  | 16                            | 18         | 21                | 26  | 31  |
| 2,500      | 1                 | 2  | 3  | 3  | 4  | 5  | 7  | 8  | 10 | 10 | 13  | 15  | 16  | 20                            | 23         | 26                | 33  | 39  |
| 3,000      | 2                 | 2  | 3  | 4  | 5  | 6  | 8  | 9  | 12 | 13 | 16  | 18  | 20  | 24                            | 27         | 31                | 39  | 47  |
| 3,500      | 2                 | 3  | 4  | 5  | 5  | 7  | 9  | 11 | 14 | 15 | 18  | 21  | 23  | 27                            | 32         | 37                | 46  | 55  |
| 4,000      | 2                 | 3  | 4  | 5  | 6  | 8  | 10 | 13 | 16 | 17 | 21  | 24  | 26  | 31                            | 37         | 42                | 52  | 63  |
| 4,500      | 2                 | 4  | 5  | 6  | 7  | 9  | 12 | 14 | 18 | 19 | 24  | 27  | 29  | 35                            | 41         | 47                | 59  | 71  |
| 5,000      | 3                 | 4  | 5  | 7  | 8  | 10 | 13 | 16 | 20 | 21 | 26  | 30  | 33  | 39                            | 46         | 52                | 65  | 79  |
| 5,500      | 3                 | 4  | 6  | 7  | 9  | 12 | 14 | 17 | 22 | 23 | 29  | 33  | 36  | 43                            | 50         | 58                | 72  |     |
| 6,000      | 3                 | 5  | 6  | 8  | 9  | 13 | 16 | 19 | 24 | 25 | 31  | 36  | 39  | 47                            | 55         | 63                | 79  |     |
| 6,500      | 3                 | 5  | 7  | 9  | 10 | 14 | 17 | 20 | 26 | 27 | 34  | 39  | 43  | 51                            | 60         | 68                |     |     |
| 7,000      | 4                 | 5  | 7  | 9  | 11 | 15 | 18 | 22 | 27 | 29 | 37  | 42  | 46  | 55                            | 64         | 73                |     |     |
| 7,500      | 4                 | 6  | 8  | 10 | 12 | 16 | 20 | 24 | 29 | 31 | 39  | 45  | 49  | 59                            | 69         | 79                |     |     |
| 8,000      | 4                 | 6  | 8  | 10 | 13 | 17 | 21 | 25 | 31 | 34 | 42  | 48  | 52  | 63                            | 73         |                   |     |     |
| 10,000     | 5                 | 8  | 10 | 13 | 16 | 21 | 26 | 31 | 39 | 42 | 52  | 60  | 65  | 79                            |            | RBG 11512 ST      |     |     |
| 12,000     | 6                 | 9  | 13 | 16 | 19 | 25 | 31 | 38 | 47 | 50 | 63  | 72  | 79  |                               |            | Cleaning surfaces |     |     |
| 14,000     | 7                 | 11 | 15 | 18 | 22 | 29 | 37 | 44 | 55 | 59 | 73  |     |     | Brush dia. D: 115 mm          |            |                   |     |     |
| 16,000     | 8                 | 13 | 17 | 21 | 25 | 34 | 42 | 50 | 63 | 67 |     |     |     | Cutting speed: 39 m/s         |            |                   |     |     |
| 20,000     | 10                | 16 | 21 | 26 | 31 | 42 | 52 | 63 | 79 |    |     |     |     | Rotational speed: 6,500 RPM   |            |                   |     |     |
| 22,000     | 12                | 17 | 23 | 29 | 35 | 46 | 58 | 69 |    |    |     |     |     | dia. (D) x π x rot. speed (n) |            |                   |     |     |
| 25,000     | 13                | 20 | 26 | 33 | 39 | 52 | 65 | 79 |    |    |     |     |     | dia. (D) x π x rot. speed (n) | 1,000 x 60 |                   |     |     |

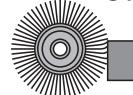
$$\text{Cutting speed (v)} = \frac{\text{dia. (D)} \times \pi \times \text{rot. speed (n)}}{1,000 \times 60}$$

### Recommendations for use:

#### Contact pressure and working position



Incorrect (1)  
Only use the wire tips (Fig. 2).



Correct (2)

#### Exception

In the case of brushes with plastic filament material, it is not only the wire tips that can be used, but 2-3 mm of the filaments.

In the case of stationary brushes, machining should be carried out under the middle of the brush (see Fig. 2).

#### Visible trim lengths

Short visible trim lengths give a stiffer trim surface, resulting in more aggressive brushing action. Longer trim lengths are more flexible, giving a softer brush performance that produces a more uniform finish, even on irregular surfaces.

#### Self-sharpening effect

The self-sharpening effect can be improved during use by changing the brush operating direction.

#### Filament diameters

##### Thick filament

An aggressive brushing effect with a coarse surface finish, as fewer wire tips are in contact with the surface of the workpiece at the same time.

##### Thin filament

A soft brushing effect with a fine surface finish, as many wire tips are in contact with the surface of the workpiece at the same time.

A longer tool life for the brush due to the higher level of flexibility of the filaments.

### Solutions to problems

| Problems                                 | Possible solutions  |
|--|---|
| Inadequate brushing effect               | <ul style="list-style-type: none"> <li>■ Increase rotational speed or use larger brush diameter at the same rotational speed.</li> <li>■ Choose a brush with shorter trim length.</li> <li>■ Use a brush with thicker filaments.</li> </ul>                                       |
| Brushing effect too great                | <ul style="list-style-type: none"> <li>■ Reduce rotational speed or use smaller brush diameter at the same rotational speed.</li> <li>■ Reduce the contact pressure.</li> <li>■ Choose a brush with longer trim length.</li> <li>■ Use a brush with thinner filaments.</li> </ul> |
| Surface is too rough and irregular       | <ul style="list-style-type: none"> <li>■ Use a wider brush.</li> <li>■ Use a brush with thinner filaments.</li> <li>■ Reduce the rotational speed.</li> </ul>   |
| Surface is too finely polished and shiny | <ul style="list-style-type: none"> <li>■ Use a brush with thicker filaments.</li> <li>■ Choose a brush with shorter trim length.</li> <li>■ Reduce the rotational speed.</li> </ul>   |
| Secondary burr formation                 | <ul style="list-style-type: none"> <li>■ Change the working position of the brush in relation to the workpiece.</li> <li>■ Choose a brush with shorter trim length.</li> <li>■ Use a brush with thicker filaments.</li> </ul>   |



# Industrial power brushes

Information on processing stainless steel (INOX)

## Expertise in working with stainless steel (INOX)

PFERD offers an extensive range of tools that meets the demands of working with stainless steel (INOX).



The PRAXIS brochure "PFERD tools for use on stainless steel (INOX)" contains much valuable information on material properties and application recommendations.

## PFERD wire qualities

In order to fulfil the particular requirements for working with stainless steel (INOX), PFERD uses wire quality 1.4310 (V2A) for all INOX brushes. Practical experience from industry has shown that this offers excellent corrosion resistance with an optimum tool life.

All PFERD brushes with INOX filaments are colour-coded in blue and are suitable for use on all stainless steels (INOX), such as V4A.

### INOX and magnetism

The wire quality 1.4310 tends to become ferromagnetic in the case of cold working; i.e. it can be attracted using magnets. The reason for this is a change in the microstructure caused by deformation (e.g. during the wire drawing process). This does not have any impact on the quality and corrosion resistance of the INOX filament. The filament is still resistant to corrosion.

| AISI  | Code acc. to EN 10027-1 | Material no. acc. to EN 10027-2 |
|-------|-------------------------|---------------------------------|
| 304   | X5CrNi18-10             | 1.4301 (V2A)                    |
| 301   | X10CrNi18-8             | 1.4310 (V2A)                    |
| 316   | X5CrNiMo17-12-2         | 1.4401 (V4A)                    |
| 316   | X3CrNiMo17-13-3         | 1.4436 (V4A)                    |
| 316Ti | X6CrNiMoTi17-12-2       | 1.4571 (V4A)                    |

## INOX-TOTAL brushes

For extremely difficult operating conditions, PFERD offers a range of "INOX-TOTAL" (IT) brushes. These are characterized by the fact that all parts of the brush are made of stainless steel in quality 1.4310 (V2A), which ensures optimum corrosion protection.

Detailed information and ordering data can be found on pages 42–44.



## Recommendations for avoiding corrosion

| Cause of corrosion   | Solution   |
|--|--|
| Change in the microstructure due to too much heat build-up.                      | Avoid heat build-up through:<br>■ Lower rotational speed<br>■ Reduced contact pressure<br>■ Oscillating brushing   |
| Contact between the workpiece and the parts of the brush that are made of steel. | ■ Use INOX-TOTAL type brushes.<br>■ Avoid contact between the face plates and workpiece.<br>■ Use end brushes with plastic protection.                                       |
| Mixture of work on steel and stainless steel (INOX).                             | ■ Do not use brushes that have already been used to work on steel, copper or other metals.<br>■ Do not work on steel in the vicinity of stainless steel (INOX) applications. |
| Wire particles are introduced into the surface (crevice corrosion).              | ■ Avoid a high contact pressure.<br>■ Use a low rotational speed.  |
| Stock removal rate is too low.   | Removal of deep structural changes by:<br>■ Extending the brushing time<br>■ Using grinding tools  |

### Note

To avoid possible problems, it makes sense to run preliminary tests to check the corrosion resistance of the workpiece. General cleaning of the workpieces after brushing is recommended in order to prevent loose particles sticking to the workpiece.

For workpieces that are used in a heavily corrosive environment, processing with grinding tools and etching or passivation is recommended. This also applies when not only stainless steel (INOX) but also non-alloyed steels are processed and it cannot be completely ruled out that abrasion particles will land on the stainless steel.



For detailed information and ordering data for fine grinding and polishing tools, please see catalogue section 4.



## Industrial packaging

PFERD provides industrial brushes in industrial packaging as standard.

This symbol indicates all brushes in industrial packaging (IP).

### Advantages:

- Robust, damage-resistant packaging.

- Packaging label containing all the important information such as item number, description, EAN code and technical details.
- Information on safe use of brushes included in each packaging unit.



## POS packaging

PFERD provides wheel, cup, end and bevel brushes in sales-boosting individual packaging. Individually packed shank brushes are supplied in a practical cardboard box.

This symbol and the addition of "POS" in the description are used to indicate all brushes in POS packaging.

An overview of all brushes in POS packaging is available here: [www.pferd.com/pos-brushes](http://www.pferd.com/pos-brushes)

### Advantages:

- Functional European standard hole mounting for optimum product presentation on the sales wall.
- Packaging label containing all the important information such as item number, description, EAN code and technical details.
- Product is easily recognizable through the viewing window.



## PFERD TOOL-CENTER

You will find all the important information required in order to select the most appropriate tool on the **PFERD TOOL-CENTER**.

Your local retailer or PFERD sales representative will be glad to answer any questions you might have. To find an expert PFERD retailer near you, visit: [www.pferd.com](http://www.pferd.com)

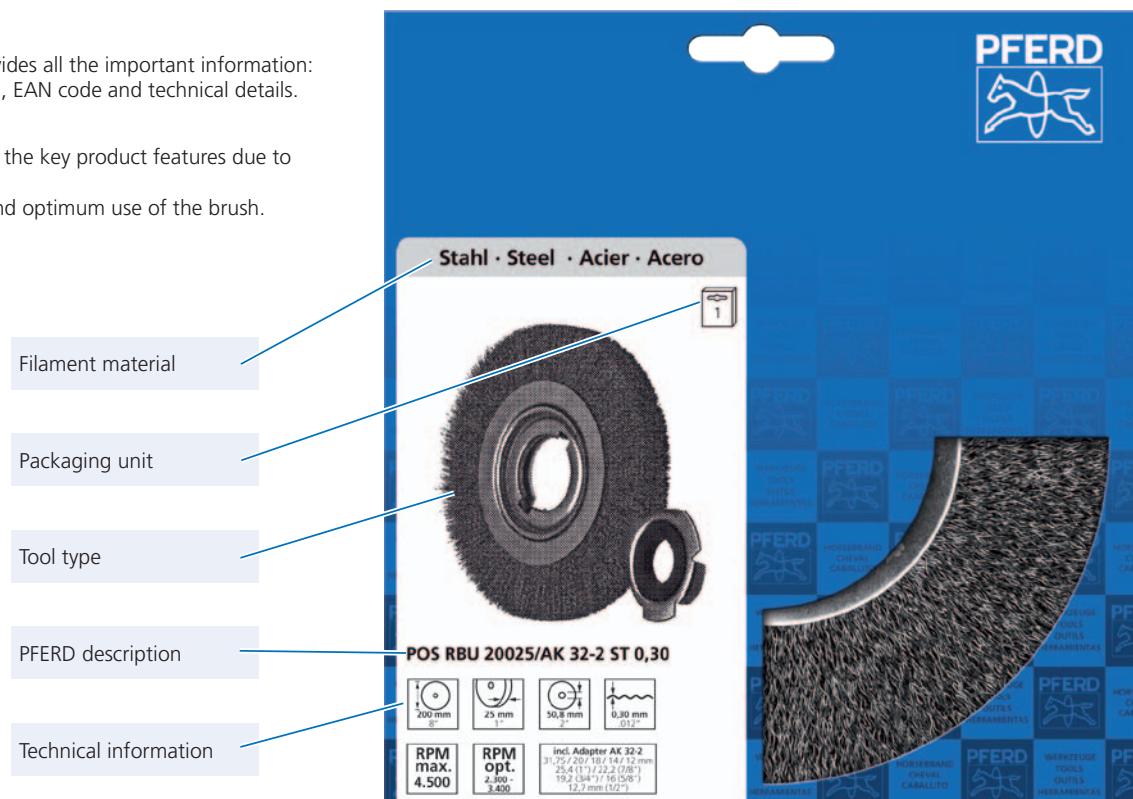


## Packaging label

The packaging label provides all the important information: item number, description, EAN code and technical details.

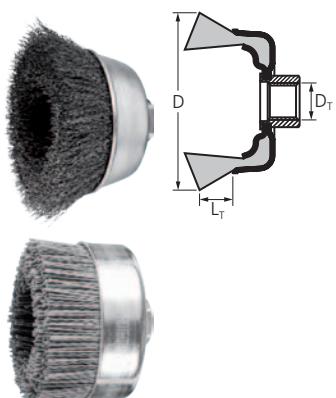
### Advantages:

- Quick identification of the key product features due to symbols.
- Information on safe and optimum use of the brush.





# Threaded cup brushes crimped



## TBU

Excellent for medium-duty brushing such as deburring, cleaning and derusting on large surfaces.

### Advantages:

- Highly flexible, enabling optimal adjustment to the workpiece contour.
- Creates fine surfaces.

### Recommendations for use:

- For optimum results, use on speed-adjustable angle grinders.

### Ordering notes:

- For the 5-piece packaging unit, please specify the description without "POS".

| D<br>[mm] | L <sub>T</sub><br>[mm] | D <sub>T</sub> | D <sub>F</sub><br>[mm] | Packaging               | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|----------------|------------------------|-------------------------|-------------|-------------|-------------|
|           |                        |                |                        | 1      5<br>EAN 4007220 |             |             |             |

#### Steel wire (ST)

|     |    |       |      |        |        |             |        |                         |
|-----|----|-------|------|--------|--------|-------------|--------|-------------------------|
| 60  | 20 | M14x2 | 0.30 | 153543 | 955192 | 6,300–9,400 | 12,500 | POS TBU 60/M14 ST 0,30  |
| 75  | 25 | M14x2 | 0.30 | 220849 | 955208 | 6,300–9,400 | 12,500 | POS TBU 75/M14 ST 0,30  |
| 100 | 25 | M14x2 | 0.30 | 153574 | -      | 4,300–6,400 | 8,500  | POS TBU 100/M14 ST 0,30 |

#### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |    |       |      |        |        |             |        |                           |
|-----|----|-------|------|--------|--------|-------------|--------|---------------------------|
| 60  | 20 | M14x2 | 0.30 | 721742 | 955215 | 5,000–8,100 | 12,500 | POS TBU 60/M14 INOX 0,30  |
| 75  | 25 | M14x2 | 0.30 | 220856 | 955222 | 5,000–8,100 | 12,500 | POS TBU 75/M14 INOX 0,30  |
| 100 | 25 | M14x2 | 0.30 | 220863 | -      | 3,400–5,500 | 8,500  | POS TBU 100/M14 INOX 0,30 |

#### Silicon carbide (SiC) plastic filament

|     |    |       |      |        |   |             |       |                              |
|-----|----|-------|------|--------|---|-------------|-------|------------------------------|
| 100 | 46 | M14x2 | 1.00 | 530856 | - | 2,400–3,900 | 6,000 | POS TBU 100/M14 SiC 120 1,00 |
|-----|----|-------|------|--------|---|-------------|-------|------------------------------|



## TBG

Aggressive brush. Excellent for heavy-duty brushing such as deburring, cleaning and derusting on large surfaces.

### Advantages:

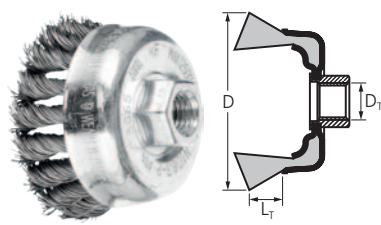
- Aggressive brushing effect due to the very stiff wire knots.

### Recommendations for use:

- For optimum results, use on powerful angle grinders.

### Ordering notes:

- For the 5-piece packaging unit, please specify the description without "POS".
- DIA type brushes are supplied with 1 piece per PU.
- Grit size DIA 270 = D 64, grit size DIA 400 = D 46



| D [mm] | L <sub>T</sub> [mm] | D <sub>T</sub> | D <sub>F</sub> [mm] | Knots [pcs.] | Packaging   | Opt. RPM | Max. RPM | Description |
|--------|---------------------|----------------|---------------------|--------------|-------------|----------|----------|-------------|
|        |                     |                |                     |              | 1           | 5        |          |             |
|        |                     |                |                     |              | EAN 4007220 |          |          |             |

### Steel wire (ST)

|     |    |       |      |    |        |        |              |        |                         |
|-----|----|-------|------|----|--------|--------|--------------|--------|-------------------------|
| 65  | 22 | M14x2 | 0.35 | 18 | 153437 | 955079 | 6,300–12,500 | 12,500 | POS TBG 65/M14 ST 0,35  |
|     |    |       | 0.50 | 18 | 579121 | 955086 | 6,300–12,500 | 12,500 | POS TBG 65/M14 ST 0,50  |
|     |    |       | 0.80 | 18 | 579138 | -      | 6,300–12,500 | 12,500 | POS TBG 65/M14 ST 0,80  |
| 80  | 20 | M14x2 | 0.50 | 20 | 806654 | 955093 | 5,000–10,000 | 10,000 | POS TBG 80/M14 ST 0,50  |
| 100 | 25 | M14x2 | 0.50 | 24 | 806661 | 955109 | 4,500–9,000  | 9,000  | POS TBG 100/M14 ST 0,50 |

### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |    |       |      |    |        |        |              |        |                           |
|-----|----|-------|------|----|--------|--------|--------------|--------|---------------------------|
| 65  | 22 | M14x2 | 0.35 | 18 | 220740 | 955116 | 5,000–12,500 | 12,500 | POS TBG 65/M14 INOX 0,35  |
|     |    |       | 0.50 | 18 | 598016 | 955123 | 5,000–12,500 | 12,500 | POS TBG 65/M14 INOX 0,50  |
| 80  | 20 | M14x2 | 0.35 | 20 | 806678 | 955130 | 4,000–10,000 | 10,000 | POS TBG 80/M14 INOX 0,35  |
|     |    |       | 0.50 | 20 | 003671 | 003688 | 4,000–10,000 | 10,000 | POS TBG 80/M14 INOX 0,50  |
| 100 | 25 | M14x2 | 0.35 | 24 | 806685 | 955147 | 3,600–9,000  | 9,000  | POS TBG 100/M14 INOX 0,35 |
|     |    |       | 0.50 | 24 | 003701 | 003718 | 3,600–9,000  | 9,000  | POS TBG 100/M14 INOX 0,50 |

### Stainless steel wire (INOX) Diamond (DIA)

|     |    |       |      |    |   |        |             |       |                               |
|-----|----|-------|------|----|---|--------|-------------|-------|-------------------------------|
| 100 | 38 | M14x2 | 0.50 | 24 | - | 107881 | 1,000–2,400 | 9,000 | TBG 100/M14 INOX 0,50 DIA 270 |
|     |    |       |      |    | - | 107874 | 1,000–2,400 | 9,000 | TBG 100/M14 INOX 0,50 DIA 400 |

## TBGR, with bridle

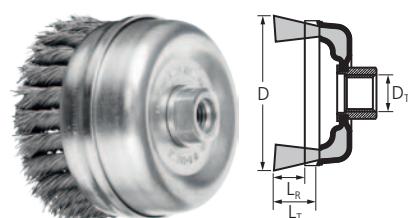
Aggressive brush with bridle. Excellent for heavy-duty brushing such as deburring, cleaning and derusting on large surfaces.

### Advantages:

- The bridle prevents the wires spreading out sideways.
- Particularly long tool life.
- The bridle enables the spreading out and flexibility of the brush filament to be controlled.

### Recommendations for use:

- For optimum results, use on powerful angle grinders.
- Remove the bridle once the filament is worn down. Then the rest of the filament can be used.
- Remove the bridle before starting work if you would like to achieve a large spreading diameter or access hard-to-reach areas.



| D [mm] | L <sub>R</sub> [mm] | L <sub>T</sub> [mm] | D <sub>T</sub> | D <sub>F</sub> [mm] | Knots [pcs.] | Packaging | Opt. RPM | Max. RPM | Description |
|--------|---------------------|---------------------|----------------|---------------------|--------------|-----------|----------|----------|-------------|
|        |                     |                     |                |                     |              |           | 1        |          |             |
|        |                     |                     |                |                     | EAN 4007220  |           |          |          |             |

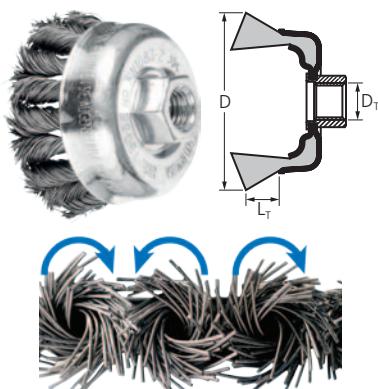
### Steel wire (ST)

|     |    |    |        |      |    |        |             |       |                      |
|-----|----|----|--------|------|----|--------|-------------|-------|----------------------|
| 80  | 25 | 40 | M14x2  | 0.50 | 22 | 153482 | 4,300–8,500 | 8,500 | TBGR 80/M14 ST 0,50  |
| 100 | 25 | 40 | M14x2  | 0.50 | 26 | 153505 | 4,300–8,500 | 8,500 | TBGR 100/M14 ST 0,50 |
|     |    |    | 5/8-11 | 0.50 | 26 | 598009 | 4,300–8,500 | 8,500 | TBGR 100/5/8 ST 0,50 |
| 125 | 25 | 30 | 5/8-11 | 0.50 | 32 | 584811 | 3,300–6,500 | 6,500 | TBGR 125/5/8 ST 0,50 |
| 150 | 20 | 40 | 5/8-11 | 0.50 | 40 | 584828 | 2,800–5,500 | 5,500 | TBGR 150/5/8 ST 0,50 |





# Threaded cup brushes knotted



## TBG CT, COMBITWIST

Very aggressive brush. Excellent for heavy-duty brushing such as deburring, cleaning and derusting on large surfaces.

### Advantages:

- Maximum economic efficiency due to the longest tool life and the highest stock removal.
- High level of comfort thanks to smooth running with no brush recoiling.
- Suitable for work on corners and edges as the knots are less likely to unravel.

### Recommendations for use:

- For optimum results, use on powerful angle grinders.

### Ordering notes:

- For the 5-piece packaging unit, please specify the description without "POS".

### PFERD VALUE:



| D<br>[mm] | L_T<br>[mm] | D_T | D_F<br>[mm] | Knots<br>[pcs.] | Packaging |   |             | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|-------------|-----|-------------|-----------------|-----------|---|-------------|-------------|-------------|-------------|
|           |             |     |             |                 | 1         | 5 | EAN 4007220 |             |             |             |

### Steel wire (ST) – COMBITWIST type

|     |    |       |      |    |        |        |              |        |                            |
|-----|----|-------|------|----|--------|--------|--------------|--------|----------------------------|
| 65  | 22 | M14x2 | 0.35 | 18 | 806692 | 955154 | 6,300–12,500 | 12,500 | POS TBG 65/M14 CT ST 0,35  |
|     |    |       | 0.50 | 18 | 806708 | 955161 | 6,300–12,500 | 12,500 | POS TBG 65/M14 CT ST 0,50  |
| 80  | 20 | M14x2 | 0.50 | 20 | 806715 | 955178 | 5,000–10,000 | 10,000 | POS TBG 80/M14 CT ST 0,50  |
| 100 | 25 | M14x2 | 0.50 | 24 | 806722 | 955185 | 4,500–9,000  | 9,000  | POS TBG 100/M14 CT ST 0,50 |

### Stainless steel wire (INOX) – COMBITWIST type

All INOX brushes are degreased.

|     |    |       |      |    |        |   |              |        |                              |
|-----|----|-------|------|----|--------|---|--------------|--------|------------------------------|
| 65  | 22 | M14x2 | 0.35 | 18 | 806739 | - | 5,000–12,500 | 12,500 | POS TBG 65/M14 CT INOX 0,35  |
|     |    |       | 0.50 | 18 | 806746 | - | 5,000–12,500 | 12,500 | POS TBG 65/M14 CT INOX 0,50  |
| 80  | 20 | M14x2 | 0.35 | 20 | 806753 | - | 4,000–10,000 | 10,000 | POS TBG 80/M14 CT INOX 0,35  |
|     |    |       | 0.50 | 20 | 003695 | - | 4,000–10,000 | 10,000 | POS TBG 80/M14 CT INOX 0,50  |
| 100 | 25 | M14x2 | 0.35 | 24 | 806760 | - | 3,600–9,000  | 9,000  | POS TBG 100/M14 CT INOX 0,35 |
|     |    |       | 0.50 | 24 | 003725 | - | 3,600–9,000  | 9,000  | POS TBG 100/M14 CT INOX 0,50 |





## KBU

Excellent for medium-duty brushing such as deburring, cleaning and derusting.

### Advantages:

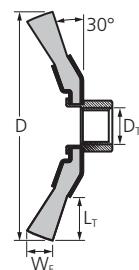
- Optimal access to hard-to-reach areas such as inner edges, grooves and keyways.
- Suitable for use on angle grinders up to 80 m/s.
- Highly flexible, enabling optimal adjustment to the workpiece contour.
- Creates fine surfaces.

### Recommendations for use:

- For optimum results, use on speed-adjustable angle grinders.

### Ordering notes:

- For the 5-piece packaging unit, please specify the description without "POS".



| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>t</sub> | D <sub>f</sub><br>[mm] | Packaging | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|----------------|------------------------|-----------|-------------|-------------|-------------|
|           |                        |                        |                |                        | 1 5       |             |             | EAN 4007220 |

### Steel wire (ST)

|     |    |    |       |      |        |        |              |        |                           |
|-----|----|----|-------|------|--------|--------|--------------|--------|---------------------------|
| 100 | 10 | 22 | M14x2 | 0.35 | 220832 | 955314 | 6,300–12,500 | 12,500 | POS KBU 10010/M14 ST 0,35 |
| 115 | 10 | 30 | M14x2 | 0.35 | 806777 | -      | 6,300–12,500 | 12,500 | POS KBU 11510/M14 ST 0,35 |
| 125 | 10 | 22 | M14x2 | 0.35 | -      | 104736 | 6,300–11,000 | 11,000 | POS KBU 12510/M14 ST 0,35 |

### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |    |    |       |      |        |        |              |        |                             |
|-----|----|----|-------|------|--------|--------|--------------|--------|-----------------------------|
| 100 | 10 | 22 | M14x2 | 0.35 | 531129 | 955321 | 5,000–12,500 | 12,500 | POS KBU 10010/M14 INOX 0,35 |
| 115 | 10 | 30 | M14x2 | 0.35 | 806784 | -      | 5,000–12,500 | 12,500 | POS KBU 11510/M14 INOX 0,35 |
| 125 | 10 | 22 | M14x2 | 0.35 | -      | 104743 | 5,000–11,000 | 11,000 | POS KBU 12510/M14 INOX 0,35 |

knotted

## KBG

Aggressive brush. Excellent for heavy-duty brushing such as deburring, cleaning and derusting.



### Advantages:

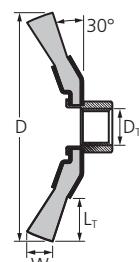
- Optimal access to hard-to-reach areas such as inner edges, grooves and keyways.

### Recommendations for use:

- For optimum results, use on powerful angle grinders.

### Ordering notes:

- For the 5-piece packaging unit, please specify the description without "POS".



| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>t</sub> | D <sub>f</sub><br>[mm] | Knots<br>[pcs.] | Packaging | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|----------------|------------------------|-----------------|-----------|-------------|-------------|-------------|
|           |                        |                        |                |                        |                 | 1 5       |             |             | EAN 4007220 |

### Steel wire (ST)

|     |    |    |       |      |    |        |        |               |        |                           |
|-----|----|----|-------|------|----|--------|--------|---------------|--------|---------------------------|
| 100 | 13 | 22 | M14x2 | 0.50 | 22 | 153529 | 955239 | 10,000–15,000 | 20,000 | POS KBG 10013/M14 ST 0,50 |
| 115 | 15 | 26 | M14x2 | 0.50 | 22 | 220818 | 955246 | 7,500–12,500  | 15,000 | POS KBG 11515/M14 ST 0,50 |
| 125 | 15 | 19 | M14x2 | 0.50 | 28 | 531167 | -      | 7,500–12,000  | 15,000 | POS KBG 12515/M14 ST 0,50 |

### Stainless steel wire (INOX)

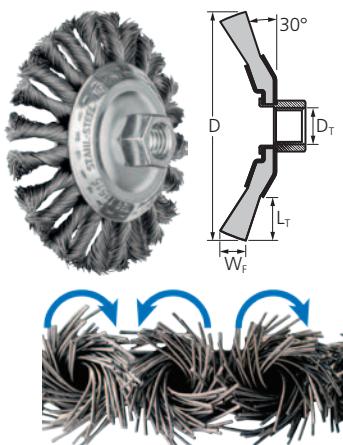
All INOX brushes are degreased.

|     |    |    |       |      |    |        |        |              |        |                             |
|-----|----|----|-------|------|----|--------|--------|--------------|--------|-----------------------------|
| 100 | 13 | 22 | M14x2 | 0.35 | 22 | 220801 | 955253 | 8,600–15,000 | 20,000 | POS KBG 10013/M14 INOX 0,35 |
|     |    |    |       | 0.50 | 22 | 003787 | 003763 | 8,600–15,000 | 20,000 | POS KBG 10013/M14 INOX 0,50 |
| 115 | 15 | 26 | M14x2 | 0.35 | 22 | 220825 | 955260 | 6,000–12,500 | 15,000 | POS KBG 11515/M14 INOX 0,35 |
|     |    |    |       | 0.50 | 22 | 003824 | 003800 | 6,000–12,500 | 15,000 | POS KBG 11515/M14 INOX 0,50 |
| 125 | 15 | 19 | M14x2 | 0.35 | 28 | 531174 | -      | 6,000–12,500 | 15,000 | POS KBG 12515/M14 INOX 0,35 |
|     |    |    |       | 0.50 | 28 | 003848 | -      | 6,000–12,500 | 15,000 | POS KBG 12515/M14 INOX 0,50 |





# Threaded bevel brushes knotted



## KBG CT, COMBITWIST

Very aggressive brush. Excellent for heavy-duty brushing such as deburring, cleaning and derusting.

### Advantages:

- Optimal access to hard-to-reach areas such as inner edges, grooves and keyways.
- Maximum economic efficiency due to the longest tool life and the highest stock removal.
- High level of comfort thanks to smooth running with no brush recoiling.
- Suitable for work on corners and edges as the knots are less likely to unravel.

### Recommendations for use:

- For optimum results, use on powerful angle grinders.

### Ordering notes:

- For the 5-piece packaging unit, please specify the description without "POS".

### PFERD VALUE:



| D<br>[mm]   | W_f<br>[mm] | L_f<br>[mm] | D_T | D_f<br>[mm] | Knots<br>[pcs.] | Packaging |   | Opt.<br>RPM | Max.<br>RPM | Description |
|-------------|-------------|-------------|-----|-------------|-----------------|-----------|---|-------------|-------------|-------------|
|             |             |             |     |             |                 | 1         | 5 |             |             |             |
| EAN 4007220 |             |             |     |             |                 |           |   |             |             |             |

### Steel wire (ST) – COMBITWIST type

|     |    |    |       |      |    |        |        |               |        |                              |
|-----|----|----|-------|------|----|--------|--------|---------------|--------|------------------------------|
| 100 | 13 | 22 | M14x2 | 0.50 | 22 | 593431 | 955277 | 10,000–15,000 | 20,000 | POS KBG 10013/M14 CT ST 0,50 |
| 115 | 15 | 26 | M14x2 | 0.50 | 22 | 593448 | 955284 | 7,500–12,500  | 15,000 | POS KBG 11515/M14 CT ST 0,50 |
| 125 | 15 | 19 | M14x2 | 0.50 | 28 | 593455 | -      | 7,500–12,500  | 15,000 | POS KBG 12515/M14 CT ST 0,50 |

### Stainless steel wire (INOX) – COMBITWIST type

All INOX brushes are degreased.

|     |    |    |       |      |    |        |        |              |        |                                |
|-----|----|----|-------|------|----|--------|--------|--------------|--------|--------------------------------|
| 100 | 13 | 22 | M14x2 | 0.35 | 22 | 593462 | 955291 | 8,000–15,000 | 20,000 | POS KBG 10013/M14 CT INOX 0,35 |
|     |    |    |       | 0.50 | 22 | 003794 | 003770 | 8,000–15,000 | 20,000 | POS KBG 10013/M14 CT INOX 0,50 |
| 115 | 15 | 26 | M14x2 | 0.35 | 22 | 593479 | 955307 | 6,000–12,500 | 15,000 | POS KBG 11515/M14 CT INOX 0,35 |
|     |    |    |       | 0.50 | 22 | 003831 | 003817 | 6,000–12,500 | 15,000 | POS KBG 11515/M14 CT INOX 0,50 |
| 125 | 15 | 19 | M14x2 | 0.35 | 28 | 593486 | -      | 6,000–12,500 | 15,000 | POS KBG 12515/M14 CT INOX 0,35 |
|     |    |    |       | 0.50 | 28 | 003855 | -      | 6,000–12,500 | 15,000 | POS KBG 12515/M14 CT INOX 0,50 |





## RBU, for angle grinders

Suitable for medium-duty brushing such as derusting, cleaning of weld seams and light deburring work.

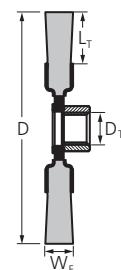


### Advantages:

- Suitable for use on angle grinders up to 80 m/s.
- Highly flexible, enabling optimal adjustment to the workpiece contour.
- Creates fine surfaces.

### Recommendations for use:

- For optimum results, use on speed-adjustable angle grinders.



| D<br>[mm] | W_F<br>[mm] | L_T<br>[mm] | D_T | D_F<br>[mm] | Packaging   | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|-------------|-------------|-----|-------------|-------------|-------------|-------------|-------------|
|           |             |             |     |             | 1           |             |             |             |
|           |             |             |     |             | EAN 4007220 |             |             |             |

#### Steel wire (ST)

|     |    |    |       |      |        |              |        |                           |
|-----|----|----|-------|------|--------|--------------|--------|---------------------------|
| 115 | 12 | 25 | M14x2 | 0.30 | 806968 | 6,300–12,500 | 12,500 | POS RBU 11512/M14 ST 0,30 |
| 125 | 12 | 15 | M14x2 | 0.30 | 806975 | 5,500–11,000 | 11,000 | POS RBU 12512/M14 ST 0,30 |

#### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |    |    |       |      |        |              |        |                             |
|-----|----|----|-------|------|--------|--------------|--------|-----------------------------|
| 115 | 12 | 25 | M14x2 | 0.30 | 806982 | 5,000–12,500 | 12,500 | POS RBU 11512/M14 INOX 0,30 |
| 125 | 12 | 15 | M14x2 | 0.30 | 806999 | 4,400–11,000 | 11,000 | POS RBU 12512/M14 INOX 0,30 |

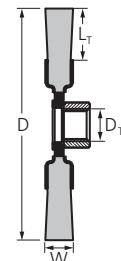
## RBU, POLISCRATCH

Excellent for processing and removing soft materials such as underseal and anti-drumming compound. Ideally suited to achieving rough, like sandblasted, surfaces due to the specific geometry of the filament material.



### Recommendations for use:

- Use only on speed-adjustable angle and straight grinders.
- Can be resharpened up to 10x. To do so, press the wire tips onto a sharpening block for around 2–3 seconds. Change the running direction to sharpen the tool.



#### Advantages:

- High cooling effect and no smearing or loading of the brush due to the open construction of the filament material.
- Longer tool life as the brush can be resharpened using a sharpening block.

#### PFERDVALUE:



| D<br>[mm] | W_F<br>[mm] | L_T<br>[mm] | D_T | D_F<br>[mm] | Packaging   | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|-------------|-------------|-----|-------------|-------------|-------------|-------------|-------------|
|           |             |             |     |             | 5x 1        |             |             |             |
|           |             |             |     |             | EAN 4007220 |             |             |             |

#### Steel wire (ST)

|     |    |    |       |      |        |             |       |                              |
|-----|----|----|-------|------|--------|-------------|-------|------------------------------|
| 100 | 20 | 18 | M14x2 | 0.60 | 892459 | 1,200–3,500 | 6,000 | POS RBU 10020/M14 SC ST 0,60 |
|-----|----|----|-------|------|--------|-------------|-------|------------------------------|



**Arbor BO 8/M14**  
(EAN 4007220900482)

**Safety note:** Exclusively for use with POLISCRATCH brushes.

#### For more information:

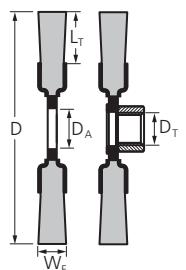
Detailed information on accessories can be found on pages 55 and 56.





# Wheel brushes

## knotted



### RBG

Aggressive brush. Suitable for heavy-duty brushing in metalwork such as descaling, derusting, deburring, cleaning of weld seams and removal of adhesive residues.

#### Advantages:

- Aggressive brushing effect due to the very stiff wire knots.

#### Recommendations for use:

- For optimum results, use on powerful angle grinders.

#### Ordering notes:

- For the 10-piece packaging unit, please specify the description without "POS".

| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>a</sub> / D <sub>T</sub> | D <sub>f</sub><br>[mm] | Knots<br>[pcs.] | Packaging |             | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|---------------------------------|------------------------|-----------------|-----------|-------------|-------------|-------------|-------------|
|           |                        |                        |                                 |                        |                 | 1  10     | EAN 4007220 |             |             |             |

#### Steel wire (ST)

|     |    |    |       |      |    |        |        |               |        |                            |
|-----|----|----|-------|------|----|--------|--------|---------------|--------|----------------------------|
| 100 | 12 | 28 | M14x2 | 0.50 | 22 | 658970 | -      | 10,000–15,000 | 20,000 | POS RBG 10012/M14 ST 0,50  |
| 115 | 12 | 22 | 22.2  | 0.50 | 24 | 153512 | 954966 | 6,300–12,500  | 12,500 | POS RBG 11512/22,2 ST 0,50 |
|     |    |    | M14x2 | 0.50 | 24 | 658987 | -      | 6,300–12,500  | 12,500 | POS RBG 11512/M14 ST 0,50  |
| 125 | 12 | 28 | 22.2  | 0.50 | 24 | 530597 | 952702 | 5,500–12,500  | 12,500 | POS RBG 12512/22,2 ST 0,50 |
|     |    |    | M14x2 | 0.50 | 24 | 658994 | -      | 5,500–12,500  | 12,500 | POS RBG 12512/M14 ST 0,50  |
| 150 | 13 | 26 | 22.2  | 0.60 | 30 | 597996 | -      | 5,000–10,000  | 10,000 | POS RBG 15013/22,2 ST 0,60 |
| 178 | 13 | 38 | 22.2  | 0.50 | 30 | 153413 | 954973 | 4,500–8,500   | 9,000  | POS RBG 17813/22,2 ST 0,50 |
|     |    |    | M14x2 | 0.50 | 30 | 659007 | -      | 4,500–8,500   | 9,000  | POS RBG 17813/M14 ST 0,50  |
|     |    |    | 22.2  | 0.80 | 30 | 578940 | -      | 4,500–8,500   | 9,000  | POS RBG 17813/22,2 ST 0,80 |

#### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |    |    |       |      |    |        |        |              |        |                              |
|-----|----|----|-------|------|----|--------|--------|--------------|--------|------------------------------|
| 115 | 12 | 22 | 22.2  | 0.35 | 24 | 220795 | 954980 | 5,000–12,500 | 12,500 | POS RBG 11512/22,2 INOX 0,35 |
|     |    |    | 22.2  | 0.50 | 24 | 003732 | 003459 | 5,000–12,500 | 12,500 | POS RBG 11512/22,2 INOX 0,50 |
|     |    |    | M14x2 | 0.35 | 24 | 659014 | -      | 5,000–12,500 | 12,500 | POS RBG 11512/M14 INOX 0,35  |
|     |    |    | M14x2 | 0.50 | 24 | 003749 | -      | 5,000–12,500 | 12,500 | POS RBG 11512/M14 INOX 0,50  |
| 125 | 12 | 28 | 22.2  | 0.35 | 24 | 530788 | 954997 | 4,400–12,500 | 12,500 | POS RBG 12512/22,2 INOX 0,35 |
|     |    |    | 22.2  | 0.50 | 24 | 003510 | 003565 | 4,400–12,500 | 12,500 | POS RBG 12512/22,2 INOX 0,50 |
|     |    |    | M14x2 | 0.35 | 24 | 659021 | -      | 4,400–12,500 | 12,500 | POS RBG 12512/M14 INOX 0,35  |
|     |    |    | M14x2 | 0.50 | 24 | 003527 | -      | 4,400–12,500 | 12,500 | POS RBG 12512/M14 INOX 0,50  |
| 178 | 13 | 38 | 22.2  | 0.35 | 30 | 220733 | 955000 | 3,600–8,500  | 9,000  | POS RBG 17813/22,2 INOX 0,35 |
|     |    |    | 22.2  | 0.50 | 30 | 003619 | 003657 | 3,600–8,500  | 9,000  | POS RBG 17813/22,2 INOX 0,50 |
|     |    |    | M14x2 | 0.35 | 30 | 659038 | -      | 3,600–8,500  | 9,000  | POS RBG 17813/M14 INOX 0,35  |
|     |    |    | M14x2 | 0.50 | 30 | 003626 | -      | 3,600–8,500  | 9,000  | POS RBG 17813/M14 INOX 0,50  |



**Arbor BO 8/22,2 100-125**  
(EAN 4007220751930):

For knotted wheel brushes up to a diameter of 125 mm with a D<sub>a</sub> of 22.2 mm.

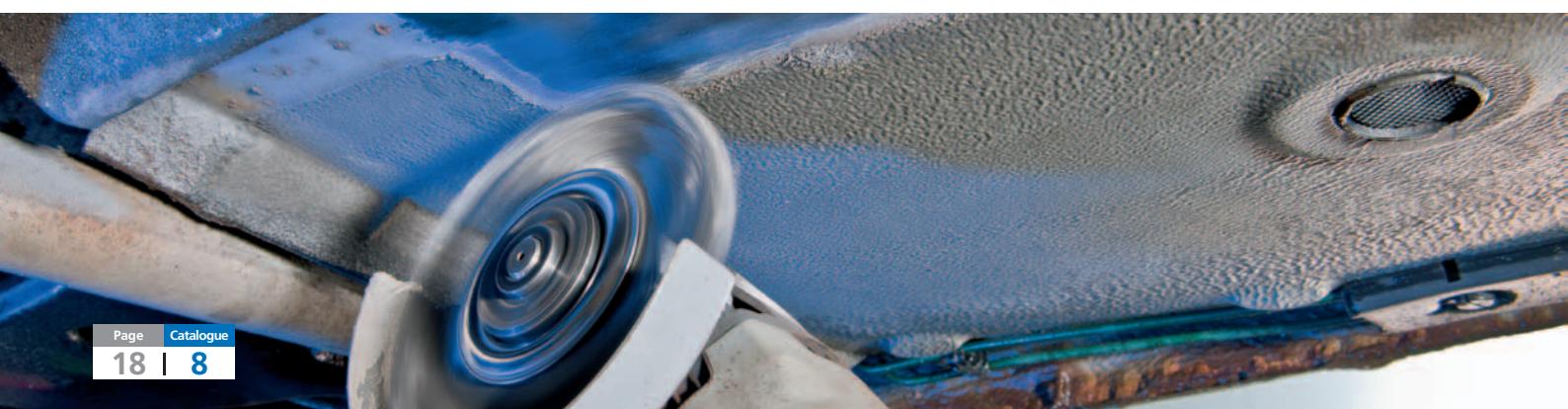


**BO 12/22,2 150-180**  
(EAN 4007220107850):

For knotted and crimped wheel brushes with a diameter of 150–180 mm and a D<sub>a</sub> of 22.2 mm.

#### For more information:

Detailed information on accessories can be found on pages 55 and 56.





## RBG CT, COMBITWIST

Very aggressive brush. Suitable for heavy-duty brushing in metalwork such as descaling, derusting, deburring, cleaning of weld seams and removal of adhesive residues.


**Advantages:**

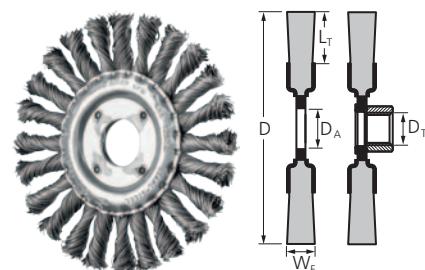
- Maximum economic efficiency due to the longest tool life and the highest stock removal.
- High level of comfort thanks to smooth running with no brush recoiling.
- Suitable for work on corners and edges as the knots are less likely to unravel.

**Recommendations for use:**

- For optimum results, use on powerful angle grinders.

**Ordering notes:**

- For the 10-piece packaging unit, please specify the description without "POS".

**PFERD VALUE:**


| D<br>[mm] | W <sub>F</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>A</sub> / D <sub>T</sub> | D <sub>F</sub><br>[mm] | Knots<br>[pcs.] | Packaging |             | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|---------------------------------|------------------------|-----------------|-----------|-------------|-------------|-------------|-------------|
|           |                        |                        |                                 |                        |                 | 1         | 10          |             |             |             |
|           |                        |                        |                                 |                        |                 |           | EAN 4007220 |             |             |             |

**Steel wire (ST) – COMBITWIST type**

|     |    |    |       |      |    |        |        |              |        |                               |
|-----|----|----|-------|------|----|--------|--------|--------------|--------|-------------------------------|
| 115 | 12 | 22 | 22.2  | 0.50 | 24 | 593356 | 955017 | 6,300–12,500 | 12,500 | POS RBG 11512/22,2 CT ST 0,50 |
|     |    |    | M14x2 | 0.50 | 24 | 806814 | -      | 6,300–12,500 | 12,500 | POS RBG 11512/M14 CT ST 0,50  |
| 125 | 12 | 28 | 22.2  | 0.50 | 24 | 593363 | 955024 | 5,500–12,500 | 12,500 | POS RBG 12512/22,2 CT ST 0,50 |
|     |    |    | M14x2 | 0.50 | 24 | 806821 | -      | 5,500–12,500 | 12,500 | POS RBG 12512/M14 CT ST 0,50  |
| 178 | 13 | 38 | 22.2  | 0.50 | 30 | 593370 | 955031 | 4,500–8,500  | 9,000  | POS RBG 17813/22,2 CT ST 0,50 |
|     |    |    |       | 0.80 | 30 | 593394 | -      | 4,500–8,500  | 9,000  | POS RBG 17813/22,2 CT ST 0,80 |

**Stainless steel wire (INOX) – COMBITWIST type**

All INOX brushes are degreased.

|     |    |    |       |      |    |        |        |              |        |                                 |
|-----|----|----|-------|------|----|--------|--------|--------------|--------|---------------------------------|
| 115 | 12 | 22 | 22.2  | 0.35 | 24 | 593400 | 955048 | 5,000–12,500 | 12,500 | POS RBG 11512/22,2 CT INOX 0,35 |
|     |    |    | 22.2  | 0.50 | 24 | 003756 | 003480 | 5,000–12,500 | 12,500 | POS RBG 11512/22,2 CT INOX 0,50 |
|     |    |    | M14x2 | 0.35 | 24 | 806838 | -      | 5,000–12,500 | 12,500 | POS RBG 11512/M14 CT INOX 0,35  |
|     |    |    | M14x2 | 0.50 | 24 | 003466 | -      | 5,000–12,500 | 12,500 | POS RBG 11512/M14 CT INOX 0,50  |
| 125 | 12 | 28 | 22.2  | 0.35 | 24 | 593417 | 955055 | 4,400–12,500 | 12,500 | POS RBG 12512/22,2 CT INOX 0,35 |
|     |    |    | 22.2  | 0.50 | 24 | 003541 | 003602 | 4,400–12,500 | 12,500 | POS RBG 12512/22,2 CT INOX 0,50 |
|     |    |    | M14x2 | 0.35 | 24 | 806845 | -      | 4,400–12,500 | 12,500 | POS RBG 12512/M14 CT INOX 0,35  |
|     |    |    | M14x2 | 0.50 | 24 | 003572 | -      | 4,400–12,500 | 12,500 | POS RBG 12512/22,2 CT INOX 0,50 |
| 178 | 13 | 38 | 22.2  | 0.35 | 30 | 593424 | 955062 | 3,600–8,500  | 9,000  | POS RBG 17813/22,2 CT INOX 0,35 |
|     |    |    |       | 0.50 | 30 | 003633 | 003664 | 3,600–8,500  | 9,000  | POS RBG 17813/22,2 CT INOX 0,50 |


**Arbor BO 8/22,2 100-125**

(EAN 4007220751930):  
For knotted wheel brushes up to a diameter of 125 mm with a D<sub>A</sub> of 22.2 mm.


**BO 12/22,2 150-180**

(EAN 4007220107850):  
For knotted and crimped wheel brushes with a diameter of 150–180 mm and a D<sub>A</sub> of 22.2 mm.

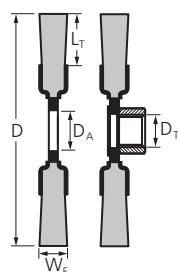
**For more information:**

Detailed information on accessories can be found on pages 55 and 56.



# Wheel brushes

## Pipeline



### RBG PIPE, Pipeline

Aggressive and robust brush that is able to withstand high mechanical loads. Perfect for heavy-duty brushing in pipeline and container construction.



#### Advantages:

- Extra-slim design enables optimal access to hard-to-reach areas such as root weld seams.
- Aggressive brushing effect due to the very stiff wire knots.

#### Recommendations for use:

- For optimum results, use on powerful angle grinders.

| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>A</sub> / D <sub>T</sub> | Knots<br>[pcs.] | D <sub>f</sub><br>[mm] | Packaging | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|---------------------------------|-----------------|------------------------|-----------|-------------|-------------|-------------|
|           |                        |                        |                                 |                 |                        | 10<br>    |             |             | EAN 4007220 |

#### Steel wire (ST)

|     |   |    |       |    |      |        |               |        |                                 |
|-----|---|----|-------|----|------|--------|---------------|--------|---------------------------------|
| 100 | 6 | 19 | 16.0  | 32 | 0.50 | 750810 | 10,000–15,000 | 20,000 | RBG 10006/16,0 PIPE ST 0,50     |
| 115 | 6 | 21 | 22.2  | 36 | 0.50 | 750926 | 6,300–12,500  | 12,500 | RBG 11506/22,2 PIPE ST 0,50     |
|     |   |    | M14x2 | 36 | 0.50 | 750933 | 6,300–12,500  | 12,500 | RBG 11506/M14 PIPE ST 0,50      |
| 125 | 6 | 18 | 22.2  | 48 | 0.50 | 750957 | 6,300–12,500  | 12,500 | RBG 12506/22,2 PIPE ST 0,50     |
|     |   |    | M14x2 | 48 | 0.50 | 750995 | 6,300–12,500  | 12,500 | RBG 12506/M14 PIPE ST 0,50      |
| 150 | 6 | 27 | 22.2  | 56 | 0.50 | 751015 | 5,000–10,000  | 10,000 | RBG 15006/22,2 PIPE ST 0,50     |
|     |   |    | M14x2 | 56 | 0.50 | 751022 | 5,000–10,000  | 10,000 | RBG 15006/M14 PIPE ST 0,50      |
| 178 | 6 | 28 | 22.2  | 56 | 0.50 | 751077 | 4,500–8,500   | 9,000  | RBG 17806/22,2 PIPE ST 0,50 56Z |
|     |   |    | M14x2 | 56 | 0.50 | 751084 | 4,500–8,500   | 9,000  | RBG 17806/M14 PIPE ST 0,50 56Z  |
|     |   |    | 22.2  | 76 | 0.50 | 751107 | 4,500–8,500   | 9,000  | RBG 17806/22,2 PIPE ST 0,50 76Z |
|     |   |    | M14x2 | 76 | 0.50 | 751114 | 4,500–8,500   | 9,000  | RBG 17806/M14 PIPE ST 0,50 76Z  |

#### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |   |    |       |    |      |        |              |        |                                   |
|-----|---|----|-------|----|------|--------|--------------|--------|-----------------------------------|
| 100 | 6 | 19 | 16.0  | 32 | 0.50 | 751220 | 8,000–15,000 | 20,000 | RBG 10006/16,0 PIPE INOX 0,50     |
| 115 | 6 | 21 | 22.2  | 36 | 0.50 | 751275 | 5,000–12,500 | 12,500 | RBG 11506/22,2 PIPE INOX 0,50     |
|     |   |    | M14x2 | 36 | 0.50 | 751305 | 5,000–12,500 | 12,500 | RBG 11506/M14 PIPE INOX 0,50      |
| 125 | 6 | 18 | 22.2  | 48 | 0.50 | 751329 | 5,000–12,500 | 12,500 | RBG 12506/22,2 PIPE INOX 0,50     |
|     |   |    | M14x2 | 48 | 0.50 | 751343 | 5,000–12,500 | 12,500 | RBG 12506/M14 PIPE INOX 0,50      |
| 150 | 6 | 27 | 22.2  | 56 | 0.50 | 751367 | 4,000–10,000 | 10,000 | RBG 15006/22,2 PIPE INOX 0,50     |
|     |   |    | M14x2 | 56 | 0.50 | 751374 | 4,000–10,000 | 10,000 | RBG 15006/M14 PIPE INOX 0,50      |
| 178 | 6 | 28 | 22.2  | 76 | 0.50 | 751398 | 3,600–8,500  | 9,000  | RBG 17806/22,2 PIPE INOX 0,50 76Z |
|     |   |    | M14x2 | 76 | 0.50 | 751404 | 3,600–8,500  | 9,000  | RBG 17806/M14 PIPE INOX 0,50 76Z  |



For tools specially suited to pipeline construction, see the brochure "PFERD tools for pipeline construction".



For detailed information and ordering data on PFERD grinding wheels for pipeline construction, please refer to catalogue section 6.





## RBG PIPE CT, Pipeline COMBITWIST

Very aggressive and robust brush that is able to withstand high mechanical loads. Perfect for heavy-duty brushing in pipeline and container construction.

### Advantages:

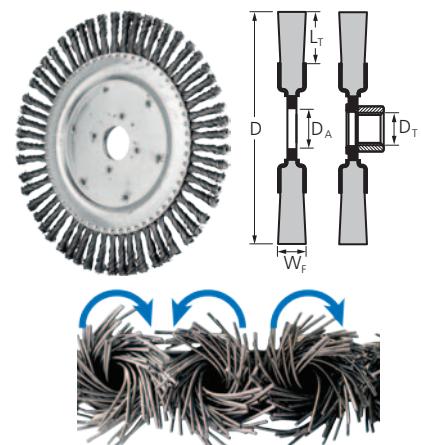
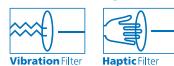
- Extra-slim design enables optimal access to hard-to-reach areas such as root weld seams.
- Maximum economic efficiency due to the longest tool life and the highest stock removal.
- High level of comfort thanks to smooth running with no brush recoiling.

■ Suitable for work on corners and edges as the knots are less likely to unravel.

### Recommendations for use:

- For optimum results, use on powerful angle grinders.

### PFERD VALUE:



| D<br>[mm] | W_f<br>[mm] | L_T<br>[mm] | D_A / D_T | Knots<br>[pcs.] | D_F<br>[mm] | Packaging   | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|-------------|-------------|-----------|-----------------|-------------|-------------|-------------|-------------|-------------|
|           |             |             |           |                 |             | 10          |             |             |             |
|           |             |             |           |                 |             | EAN 4007220 |             |             |             |

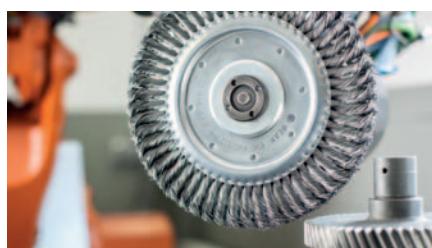
### Steel wire (ST) – COMBITWIST type

|     |   |    |       |    |      |        |              |        |                                    |
|-----|---|----|-------|----|------|--------|--------------|--------|------------------------------------|
| 125 | 6 | 18 | 22.2  | 48 | 0.50 | 107799 | 6,300–12,500 | 12,500 | RBG 12506/22,2 PIPE CT ST 0,50     |
|     |   |    | M14x2 | 48 | 0.50 | 107805 | 6,300–12,500 | 12,500 | RBG 12506/M14 PIPE CT ST 0,50      |
| 178 | 6 | 28 | 22.2  | 72 | 0.50 | 751190 | 4,500–8,500  | 9,000  | RBG 17806/22,2 PIPE CT ST 0,50 72Z |
|     |   |    | M14x2 | 72 | 0.50 | 751206 | 4,500–8,500  | 9,000  | RBG 17806/M14 PIPE CT ST 0,50 72Z  |

## Wheel brushes, knotted

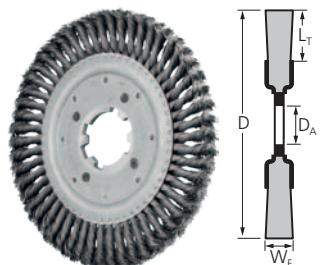
### RBG, stationary

Aggressive and robust brush that is able to withstand high mechanical loads. Suitable for all heavy-duty stationary and automated brushing, e.g. deburring work.



### Advantages:

- Aggressive brushing effect due to the very stiff wire knots.
- Can be used with all common stationary drive systems and bench grinders thanks to the variable arbor hole diameter.



### Ordering notes:

- Please complete the description with the desired filament material diameter ( $D_F$ ).
- Grit size DIA 270 =  $D$  64,  
grit size DIA 400 =  $D$  46

| D<br>[mm] | W_f<br>[mm] | L_T<br>[mm] | D_A<br>[mm] | Knots<br>[pcs.] | D_F [mm]    | Opt.<br>RPM | Max.<br>RPM | IP | Description |
|-----------|-------------|-------------|-------------|-----------------|-------------|-------------|-------------|----|-------------|
|           |             |             |             |                 | 0.35        |             |             |    |             |
|           |             |             |             |                 | 0.50        |             |             |    |             |
|           |             |             |             |                 | EAN 4007220 |             |             |    |             |

### Steel wire (ST)

|     |    |    |      |    |        |        |             |       |   |                       |
|-----|----|----|------|----|--------|--------|-------------|-------|---|-----------------------|
| 200 | 16 | 44 | 50.8 | 34 | 956540 | 956557 | 4,000–6,500 | 8,500 | 1 | RBG 20016/50,8 ST ... |
| 250 | 16 | 41 | 50.8 | 54 | 956564 | 956571 | 2,000–3,400 | 4,500 | 1 | RBG 25016/50,8 ST ... |

### Stainless steel wire (INOX) Diamond (DIA)

|     |    |    |      |    |   |        |             |       |   |                                      |
|-----|----|----|------|----|---|--------|-------------|-------|---|--------------------------------------|
| 190 | 30 | 50 | 22.2 | 24 | - | 107898 | 1,000–2,000 | 8,000 | 1 | POS RBG 19030/22,2 INOX 0,50 DIA 270 |
|     |    |    |      |    | - | 107911 | 1,000–2,000 | 8,000 | 1 | POS RBG 19030/22,2 INOX 0,50 DIA 400 |



**Arbor BO 12/22,2 200**  
(EAN 4007220107867):  
For knotted and crimped wheel brushes with a diameter of 200 mm and a  $D_A$  of 22.2 mm. **Note: Adapter pair APM 50,8/22,2-30** (EAN 4007220900390) is required to use the product with the arbor.



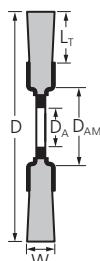
**Adapter pair APM 50,8/22,2-30** (EAN 4007220900390):  
Reduces the arbor hole diameters to the required dimensions. Suitable for knotted wheel brushes with a diameter of 200–250 mm and crimped wheel brushes designed as deburring brushes.

### For more information:

Detailed information on accessories can be found on pages 55 and 56.



# Wheel brushes crimped



## RBU, slim

Excellent for medium-duty hand-held or automated brushing of workpieces with large surfaces.

### Advantages:

- Can be used with all common stationary drive systems and bench grinders thanks to the variable arbor hole diameter.
- Can be packed as wide rollers without gaps because of their special design.

- Highly flexible, enabling optimal adjustment to the workpiece contour.

### Ordering notes:

- Please order adapter set AK 32 separately.
- Wheel brushes with diameters 100 and 125 mm cannot be used with adapter set AK 32.

| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>a</sub><br>[mm] | D <sub>AM</sub><br>[mm] | D <sub>f</sub><br>[mm] | Packaging        | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------|-------------|-------------|-------------|
|           |                        |                        |                        |                         |                        | 2<br>EAN 4007220 |             |             |             |

### Steel wire (ST)

|     |    |    |      |      |      |        |             |       |                        |
|-----|----|----|------|------|------|--------|-------------|-------|------------------------|
| 100 | 12 | 24 | 14.0 | -    | 0.15 | 597866 | 4,000–6,000 | 8,000 | RBU 10012/14,0 ST 0,15 |
|     |    |    |      |      | 0.30 | 597873 | 4,000–6,000 | 8,000 | RBU 10012/14,0 ST 0,30 |
| 125 | 12 | 32 | 14.0 | -    | 0.30 | 806791 | 4,000–6,000 | 8,000 | RBU 12512/14,0 ST 0,30 |
| 150 | 12 | 28 | 22.2 | 31.8 | 0.25 | 530412 | 3,000–4,500 | 6,000 | RBU 15012/22,2 ST 0,25 |
| 180 | 12 | 43 | 22.2 | 31.8 | 0.30 | 658734 | 3,000–4,500 | 6,000 | RBU 18012/22,2 ST 0,30 |
| 200 | 16 | 44 | 22.2 | 31.8 | 0.25 | 530436 | 3,000–4,500 | 6,000 | RBU 20016/22,2 ST 0,25 |
| 250 | 20 | 70 | 22.2 | 31.8 | 0.25 | 530443 | 1,800–2,700 | 3,600 | RBU 25020/22,2 ST 0,25 |

### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |    |    |      |      |      |        |             |       |                          |
|-----|----|----|------|------|------|--------|-------------|-------|--------------------------|
| 125 | 12 | 32 | 14.0 | -    | 0.30 | 806807 | 3,200–5,200 | 8,000 | RBU 12512/14,0 INOX 0,30 |
| 150 | 12 | 28 | 22.2 | 31.8 | 0.30 | 597880 | 2,400–3,900 | 6,000 | RBU 15012/22,2 INOX 0,30 |
| 180 | 12 | 43 | 22.2 | 31.8 | 0.30 | 658796 | 2,400–3,900 | 6,000 | RBU 18012/22,2 INOX 0,30 |
| 200 | 16 | 44 | 22.2 | 31.8 | 0.30 | 597910 | 2,400–3,900 | 6,000 | RBU 20016/22,2 INOX 0,30 |
| 250 | 20 | 70 | 22.2 | 31.8 | 0.30 | 597927 | 1,400–2,300 | 3,600 | RBU 25020/22,2 INOX 0,30 |

### Silicon carbide (SiC) plastic filament

|     |    |    |      |      |      |        |             |       |                             |
|-----|----|----|------|------|------|--------|-------------|-------|-----------------------------|
| 100 | 12 | 22 | 12.0 | -    | 1.00 | 597903 | 3,200–5,200 | 8,000 | RBU 10012/12,0 SiC 80 1,00  |
|     |    |    |      |      | 0.90 | 220870 | 3,200–5,200 | 8,000 | RBU 10012/12,0 SiC 180 0,90 |
| 150 | 16 | 32 | 12.0 | 31.8 | 1.00 | 530467 | 2,400–3,900 | 8,000 | RBU 15016/12,0 SiC 80 1,00  |
|     |    |    |      |      | 0.90 | 220894 | 2,400–3,900 | 8,000 | RBU 15016/12,0 SiC 180 0,90 |
| 200 | 16 | 32 | 22.2 | 31.8 | 1.00 | 530474 | 1,800–2,900 | 4,500 | RBU 20016/22,2 SiC 80 1,00  |
|     |    |    |      |      | 0.90 | 220917 | 1,800–2,900 | 4,500 | RBU 20016/22,2 SiC 180 0,90 |
| 250 | 16 | 38 | 22.2 | 31.8 | 1.00 | 530481 | 1,400–2,300 | 3,600 | RBU 25016/22,2 SiC 80 1,00  |
|     |    |    |      |      | 0.90 | 220948 | 1,400–2,300 | 3,600 | RBU 25016/22,2 SiC 180 0,90 |

### Ceramic oxide grain (CO) plastic filament

|     |    |    |      |      |      |        |             |       |                            |
|-----|----|----|------|------|------|--------|-------------|-------|----------------------------|
| 100 | 12 | 22 | 12.0 | -    | 1.10 | 837269 | 3,200–5,200 | 8,000 | RBU 10012/12,0 CO 120 1,10 |
| 150 | 16 | 28 | 12.0 | 31.8 | 1.10 | 837276 | 2,400–3,900 | 6,000 | RBU 15016/12,0 CO 120 1,10 |
| 200 | 16 | 38 | 22.2 | 31.8 | 1.10 | 837283 | 1,800–2,900 | 4,500 | RBU 20016/22,2 CO 120 1,10 |

### Nylon plastic filament

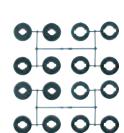
|     |    |    |      |      |      |        |             |       |                           |
|-----|----|----|------|------|------|--------|-------------|-------|---------------------------|
| 100 | 12 | 22 | 12.0 | -    | 0.40 | 899298 | 3,200–5,200 | 8,000 | RBU 10012/12,0 Nylon 0,40 |
| 150 | 16 | 32 | 12.0 | 31.8 | 0.40 | 899304 | 3,200–5,200 | 8,000 | RBU 15016/12,0 Nylon 0,40 |
| 200 | 16 | 32 | 22.2 | 31.8 | 0.40 | 899311 | 2,400–3,900 | 6,000 | RBU 20016/22,2 Nylon 0,40 |



**Arbor BO 8/12-14 100-125**  
(EAN 4007220107843): For crimped wheel brushes with a diameter of 100–125 mm and a  $D_a / D_{AM}$  of 12 mm and 14 mm.



**BO 12/22,2 200**  
(EAN 4007220107867): For knotted and crimped wheel brushes with a diameter of 200 mm and a  $D_a$  of 22.2 mm.



**Adapter set AK 32**  
(EAN 4007220608593): Arbor hole diameters contained in the set in mm (inch): 20 / 18 / 14 / 12 / 25.4 (1) / 22.2 (7/8) / 16 (5/8) / 12.7 (1/2).

**BO 12/22,2 150-180**  
(EAN 4007220107850): For knotted and crimped wheel brushes with a diameter of 150–180 mm and a  $D_a$  of 22.2 mm.

### For more information:

Detailed information on accessories can be found on pages 55 and 56.



## RBU, slim, stationary

Its plastic filament makes this product particularly suitable for deburring complicated components such as cylinder heads or gear toothings. Ideal for processing aluminium due to the longer trim length and higher degree of flexibility. Suitable for use on stationary machines, automated centres and robots.

### Advantages:

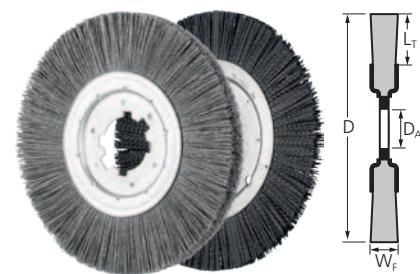
- Can be packed as wide rollers without gaps because of their special design.
- Highly flexible, enabling optimal adjustment to the workpiece contour.

### Recommendations for use:

- Use CO as the filament material for particularly aggressive work and a high workpiece surface quality.

### Ordering notes:

- Please complete the description with the desired grit size and filament material diameter ( $D_F$ ).



| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>A</sub><br>[mm] | Grit size / D <sub>F</sub> [mm] |             |             |             | Opt.<br>RPM | Max.<br>RPM | IP | Description |
|-----------|------------------------|------------------------|------------------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|----|-------------|
|           |                        |                        |                        | 120<br>0.55                     | 120<br>1.10 | 180<br>0.90 | 320<br>0.55 |             |             |    |             |
|           |                        |                        |                        | EAN 4007220                     |             |             |             |             |             |    |             |

#### Silicon carbide (SiC) plastic filament

|     |    |    |      |        |   |        |        |             |       |   |                        |
|-----|----|----|------|--------|---|--------|--------|-------------|-------|---|------------------------|
| 200 | 13 | 43 | 50.8 | 807248 | - | 807255 | 807262 | 2,400–3,900 | 6,000 | 1 | RBU 20013/50,8 SiC ... |
| 250 | 15 | 55 | 50.8 | 807279 | - | 807286 | 807293 | 1,400–2,300 | 3,600 | 1 | RBU 25015/50,8 SiC ... |

#### Ceramic oxide grain (CO) plastic filament

|     |    |    |      |   |        |   |   |             |       |   |                       |
|-----|----|----|------|---|--------|---|---|-------------|-------|---|-----------------------|
| 200 | 13 | 46 | 50.8 | - | 837290 | - | - | 2,400–3,900 | 6,000 | 1 | RBU 20013/50,8 CO ... |
| 250 | 15 | 63 | 50.8 | - | 837306 | - | - | 1,400–2,300 | 3,600 | 1 | RBU 25015/50,8 CO ... |



**Arbor BO 12/22,2 200**  
(EAN 4007220107867):  
For knotted and crimped wheel  
brushes with a diameter of  
200 mm and a  $D_A$  of 22.2 mm.

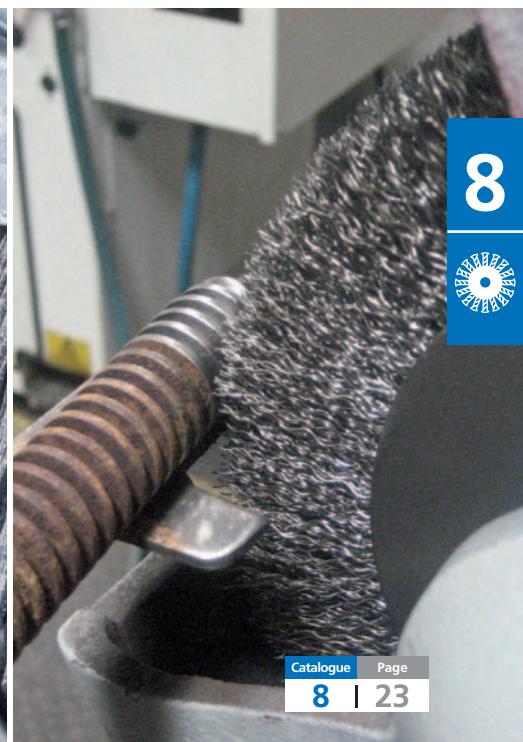
**Note: Adapter pair APM 50,8/22,2-30**  
(EAN 4007220900390) is required to use the  
product with the arbor.



**Adapter pair APM 50,8/22,2-30**  
(EAN 4007220900390):  
Reduces the arbor hole diameters to the required dimensions.  
Suitable for knotted wheel brushes with a  
diameter of 200–250 mm and crimped wheel  
brushes designed as deburring brushes.

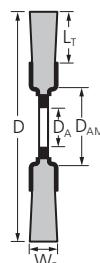
### For more information:

Detailed information on accessories can be found on pages 55 and 56.





# Wheel brushes crimped



## RBU, wide, universal use

Excellent for medium-duty hand-held or automated brushing of workpieces with large surfaces.  
Developed for universal use in the workshop.

### Advantages:

- Can be used with all common stationary drive systems and bench grinders thanks to the variable arbor hole diameter.

### Ordering notes:

- Diameters of 150–200 mm are supplied together with adapter set AK 32-2.
- Diameters of 100–125 mm are supplied with a variable arbor hole.

| D<br>[mm] | W <sub>F</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>A</sub><br>[mm] | D <sub>AM</sub><br>[mm] | D <sub>F</sub><br>[mm] | Packaging | Opt.<br>RPM | Max.<br>RPM | Description |             |
|-----------|------------------------|------------------------|------------------------|-------------------------|------------------------|-----------|-------------|-------------|-------------|-------------|
|           |                        |                        |                        |                         |                        |           |             |             | 1           | EAN 4007220 |

### Steel wire (ST)

|     |    |    |                    |      |      |        |             |       |                              |
|-----|----|----|--------------------|------|------|--------|-------------|-------|------------------------------|
| 100 | 20 | 25 | 12/14/18/22.2/25.4 | 30.0 | 0.30 | 956236 | 4,000–6,000 | 8,000 | POS RBU 10020/14,0 ST 0,30   |
|     | 28 | 25 | 12/14/18/22.2/25.4 | 30.0 | 0.30 | 956243 | 4,000–6,000 | 8,000 | POS RBU 10028/14,0 ST 0,30   |
| 125 | 20 | 30 | 12/14/18/22.2/25.4 | 30.0 | 0.30 | 956250 | 3,000–4,500 | 6,000 | POS RBU 12520/14,0 ST 0,30   |
|     | 28 | 30 | 12/14/18/22.2/25.4 | 30.0 | 0.30 | 956274 | 3,000–4,500 | 6,000 | POS RBU 12528/14,0 ST 0,30   |
| 150 | 25 | 25 | AK 32-2            | 50.8 | 0.20 | 956281 | 3,000–4,500 | 6,000 | POS RBU 15025/AK32-2 ST 0,20 |
|     | 25 | 25 | AK 32-2            | 50.8 | 0.30 | 956304 | 3,000–4,500 | 6,000 | POS RBU 15025/AK32-2 ST 0,30 |
|     | 38 | 25 | AK 32-2            | 50.8 | 0.20 | 956298 | 3,000–4,500 | 6,000 | POS RBU 15038/AK32-2 ST 0,20 |
|     | 38 | 25 | AK 32-2            | 50.8 | 0.30 | 956311 | 3,000–4,500 | 6,000 | POS RBU 15038/AK32-2 ST 0,30 |
| 180 | 25 | 40 | AK 32-2            | 50.8 | 0.20 | 956335 | 3,000–4,500 | 6,000 | POS RBU 18025/AK32-2 ST 0,20 |
|     | 25 | 40 | AK 32-2            | 50.8 | 0.30 | 956342 | 3,000–4,500 | 6,000 | POS RBU 18025/AK32-2 ST 0,30 |
|     | 38 | 40 | AK 32-2            | 50.8 | 0.30 | 956359 | 3,000–4,500 | 6,000 | POS RBU 18038/AK32-2 ST 0,30 |
| 200 | 25 | 50 | AK 32-2            | 50.8 | 0.20 | 956366 | 2,300–3,400 | 4,500 | POS RBU 20025/AK32-2 ST 0,20 |
|     | 25 | 50 | AK 32-2            | 50.8 | 0.30 | 956373 | 2,300–3,400 | 4,500 | POS RBU 20025/AK32-2 ST 0,30 |
|     | 38 | 50 | AK 32-2            | 50.8 | 0.30 | 956380 | 2,300–3,400 | 4,500 | POS RBU 20038/AK32-2 ST 0,30 |

### Stainless steel wire (INOX)

|     |    |    |                    |      |      |        |             |       |                                |
|-----|----|----|--------------------|------|------|--------|-------------|-------|--------------------------------|
| 100 | 20 | 25 | 12/14/18/22.2/25.4 | 30.0 | 0.30 | 956397 | 3,200–5,200 | 8,000 | POS RBU 10020/14,0 INOX 0,30   |
|     | 28 | 25 | 12/14/18/22.2/25.4 | 30.0 | 0.30 | 956403 | 3,200–5,200 | 8,000 | POS RBU 10028/14,0 INOX 0,30   |
| 125 | 20 | 30 | 12/14/18/22.2/25.4 | 30.0 | 0.30 | 956410 | 2,400–3,900 | 6,000 | POS RBU 12520/14,0 INOX 0,30   |
|     | 28 | 30 | 12/14/18/22.2/25.4 | 30.0 | 0.30 | 956434 | 2,400–3,900 | 6,000 | POS RBU 12528/14,0 INOX 0,30   |
| 150 | 25 | 25 | AK 32-2            | 50.8 | 0.20 | 956441 | 2,400–3,900 | 6,000 | POS RBU 15025/AK32-2 INOX 0,20 |
|     | 25 | 25 | AK 32-2            | 50.8 | 0.30 | 956465 | 2,400–3,900 | 6,000 | POS RBU 15025/AK32-2 INOX 0,30 |
|     | 38 | 25 | AK 32-2            | 50.8 | 0.20 | 956458 | 2,400–3,900 | 6,000 | POS RBU 15038/AK32-2 INOX 0,20 |
|     | 38 | 25 | AK 32-2            | 50.8 | 0.30 | 956472 | 2,400–3,900 | 6,000 | POS RBU 15038/AK32-2 INOX 0,30 |
| 180 | 25 | 40 | AK 32-2            | 50.8 | 0.20 | 956489 | 2,400–3,900 | 6,000 | POS RBU 18025/AK32-2 INOX 0,20 |
|     | 25 | 40 | AK 32-2            | 50.8 | 0.30 | 956496 | 2,400–3,900 | 6,000 | POS RBU 18025/AK32-2 INOX 0,30 |
|     | 38 | 40 | AK 32-2            | 50.8 | 0.30 | 956502 | 2,400–3,900 | 6,000 | POS RBU 18038/AK32-2 INOX 0,30 |
| 200 | 25 | 50 | AK 32-2            | 50.8 | 0.20 | 956519 | 1,800–2,900 | 4,500 | POS RBU 20025/AK32-2 INOX 0,20 |
|     | 25 | 50 | AK 32-2            | 50.8 | 0.30 | 956526 | 1,800–2,900 | 4,500 | POS RBU 20025/AK32-2 INOX 0,30 |
|     | 38 | 50 | AK 32-2            | 50.8 | 0.30 | 956533 | 1,800–2,900 | 4,500 | POS RBU 20038/AK32-2 INOX 0,30 |

### Silicon carbide (SiC) plastic filament

|     |    |    |         |      |      |        |             |       |                                   |
|-----|----|----|---------|------|------|--------|-------------|-------|-----------------------------------|
| 150 | 25 | 25 | AK 32-2 | 50.8 | 0.55 | 069707 | 2,400–3,900 | 6,000 | POS RBU 15025/AK32-2 SiC 120 0,55 |
|     |    |    |         |      | 1.10 | 069691 | 2,400–3,900 | 6,000 | POS RBU 15025/AK32-2 SiC 120 1,10 |
|     |    |    |         |      | 0.55 | 069714 | 2,400–3,900 | 6,000 | POS RBU 15025/AK32-2 SiC 320 0,55 |



- Arbor BO 8/12-14 100-125**  
(EAN 4007220107843):  
For crimped wheel brushes with a diameter of 100–125 mm and a  $D_A / D_{AM}$  of 12 mm and 14 mm.
- BO 12/22,2 150-180**  
(EAN 4007220107850):  
For knotted and crimped wheel brushes with a diameter of 150–180 mm and a  $D_A$  of 22.2 mm.



- BO 12/22,2 200**  
(EAN 4007220107867):  
For knotted and crimped wheel brushes with a diameter of 200 mm and a  $D_A$  of 22.2 mm.



- Adapter set AK 32-2**  
(4007220806890):  
Arbor hole diameters contained in the set in mm (inch): 31.75 / 20 / 18 / 14 / 12 / 25.4 (1) / 22.2 (7/8) / 19.2 (.750) / 16 (5/8) / 12.7 (1/2).

**Note:** Adapter pairs AM 50,8 for brushes with a  $D_{AM}$  of 50.8 mm can be used in applications involving high levels of heat and forces.



## RBU, wide, industrial use

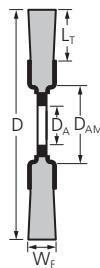
Excellent for medium-duty hand-held or automated brushing of workpieces with large surfaces.  
Developed specially for industrial use.

### Advantages:

- Can be used with all common stationary drive systems and bench grinders thanks to the variable arbor hole diameter.
- High economic efficiency due to very long tool life.

### Ordering notes:

- Diameters of 150–250 mm are supplied together with adapter set AK 32-2.
- The 100 mm diameter is supplied with a variable arbor hole.



| D<br>[mm] | W <sub>F</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>A</sub><br>[mm] | D <sub>AM</sub><br>[mm] | D <sub>F</sub><br>[mm] | Packaging   | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------|-------------|-------------|-------------|
|           |                        |                        |                        |                         |                        | 1           |             |             |             |
|           |                        |                        |                        |                         |                        | EAN 4007220 |             |             |             |

### Steel wire (ST)

|     |    |    |                |      |      |        |             |       |                          |
|-----|----|----|----------------|------|------|--------|-------------|-------|--------------------------|
| 100 | 20 | 24 | 14.0/18.0/22.2 | 25.4 | 0.30 | 658710 | 4,000–6,000 | 8,000 | RBU 10020/14,0 ST 0,30   |
|     | 28 | 24 | 14.0/18.0/22.2 | 25.4 | 0.30 | 153604 | 4,000–6,000 | 8,000 | RBU 10028/14,0 ST 0,30   |
| 150 | 25 | 25 | AK 32-2        | 50.8 | 0.30 | 658727 | 3,000–4,500 | 6,000 | RBU 15025/AK32-2 ST 0,30 |
|     | 38 | 25 | AK 32-2        | 50.8 | 0.30 | 153628 | 3,000–4,500 | 6,000 | RBU 15038/AK32-2 ST 0,30 |
| 180 | 25 | 40 | AK 32-2        | 50.8 | 0.30 | 658741 | 3,000–4,500 | 6,000 | RBU 18025/AK32-2 ST 0,30 |
| 200 | 25 | 38 | AK 32-2        | 50.8 | 0.30 | 658765 | 2,300–3,400 | 4,500 | RBU 20025/AK32-2 ST 0,30 |
|     | 38 | 38 | AK 32-2        | 50.8 | 0.30 | 153635 | 2,300–3,400 | 4,500 | RBU 20038/AK32-2 ST 0,30 |
| 250 | 30 | 50 | AK 32-2        | 50.8 | 0.30 | 658772 | 1,800–2,700 | 3,600 | RBU 25030/AK32-2 ST 0,30 |
|     | 48 | 50 | AK 32-2        | 50.8 | 0.30 | 220924 | 1,800–2,700 | 3,600 | RBU 25048/AK32-2 ST 0,30 |
| 300 | 40 | 40 |                | 50.8 | 0.30 | 616086 | 1,500–2,500 | 3,000 | RBU 30040/50,8 ST 0,30   |

### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |    |    |         |      |      |        |             |       |                            |
|-----|----|----|---------|------|------|--------|-------------|-------|----------------------------|
| 150 | 25 | 25 | AK 32-2 | 50.8 | 0.30 | 658789 | 2,400–3,900 | 6,000 | RBU 15025/AK32-2 INOX 0,30 |
|     | 38 | 25 | AK 32-2 | 50.8 | 0.30 | 220887 | 2,400–3,900 | 6,000 | RBU 15038/AK32-2 INOX 0,30 |
| 180 | 25 | 40 | AK 32-2 | 50.8 | 0.30 | 658871 | 2,400–3,900 | 6,000 | RBU 18025/AK32-2 INOX 0,30 |
| 200 | 25 | 38 | AK 32-2 | 50.8 | 0.30 | 658895 | 1,800–2,900 | 4,500 | RBU 20025/AK32-2 INOX 0,30 |
|     | 38 | 38 | AK 32-2 | 50.8 | 0.30 | 220900 | 1,800–2,900 | 4,500 | RBU 20038/AK32-2 INOX 0,30 |
| 250 | 30 | 50 | AK 32-2 | 50.8 | 0.30 | 658901 | 1,400–2,300 | 3,600 | RBU 25030/AK32-2 INOX 0,30 |
|     | 48 | 50 | AK 32-2 | 50.8 | 0.30 | 220931 | 1,400–2,300 | 3,600 | RBU 25048/AK32-2 INOX 0,30 |



### Arbor BO 8/12-14 100-125

(EAN 4007220107843):  
For crimped wheel brushes with a diameter of 100–125 mm and a  $D_A / D_{AM}$  of 12 mm and 14 mm.

### BO 12/22,2 150-180

(EAN 4007220107850):  
For knotted and crimped wheel brushes with a diameter of 150–180 mm and a  $D_A$  of 22.2 mm.



### BO 12/22,2 200

(EAN 4007220107867):  
For knotted and crimped wheel brushes with a diameter of 200 mm and a  $D_A$  of 22.2 mm.



### Adapter set AK 32-2

(4007220806890):  
Arbor hole diameters contained in the set in mm (inch): 31.75 / 20 / 18 / 14 / 12 / 25.4 (1) / 22.2 (7/8) / 19.2 (.750) / 16 (5/8) / 12.7 (1/2).

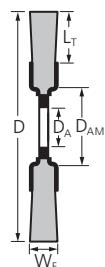
**Note: Adapter pairs AM 50,8** for brushes with a  $D_{AM}$  of 50.8 mm can be used in applications involving high levels of heat and forces.





# Wheel brushes

## crimped



### RBU, deburring brushes

Particularly suitable for deburring pipes, cut edges and small parts on stationary machines.

The special wire construction with cord wire filament (LIT) is particularly suitable for heavy-duty brushing and aggressive brushing.



#### Advantages:

- Individual check for imbalance guarantees smooth running.
- Longest tool life thanks to high filament density.

#### Ordering notes:

- Please complete the description with the desired filament material diameter ( $D_F$ ).
- Please order adapter pairs APM 50,8 separately.

| D<br>[mm]   | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>A</sub><br>[mm] | D <sub>AM</sub><br>[mm] | D <sub>F</sub> [mm] |      |      |      | Opt.<br>RPM | Max.<br>RPM | IP | Description |
|-------------|------------------------|------------------------|------------------------|-------------------------|---------------------|------|------|------|-------------|-------------|----|-------------|
|             |                        |                        |                        |                         | 0.20                | 0.35 | 0.50 | 1.10 |             |             |    |             |
| EAN 4007220 |                        |                        |                        |                         |                     |      |      |      |             |             |    |             |

#### Steel wire (ST)

LIT ST = stranded, brass-plated steel wire

|     |     |    |      |       |        |        |        |   |             |       |   |                           |
|-----|-----|----|------|-------|--------|--------|--------|---|-------------|-------|---|---------------------------|
| 250 | 60  | 50 | 50.8 | 100.0 | 807040 | 807057 | 807064 | - | 1,800–2,700 | 3,600 | 1 | RBU 25060/50,8 ST ...     |
|     | 60  | 50 | 50.8 | 100.0 | -      | 807118 | -      | - | 1,800–2,700 | 3,600 | 1 | RBU 25060/50,8 LIT ST ... |
|     | 80  | 50 | 50.8 | 100.0 | -      | 807071 | -      | - | 1,800–2,700 | 3,600 | 1 | RBU 25080/50,8 ST ...     |
|     | 80  | 50 | 50.8 | 100.0 | -      | 807125 | -      | - | 1,800–2,700 | 3,600 | 1 | RBU 25080/50,8 LIT ST ... |
|     | 100 | 50 | 50.8 | 100.0 | -      | 807095 | 807101 | - | 1,800–2,700 | 3,600 | 1 | RBU 250100/50,8 ST ...    |

#### Stainless steel wire (INOX)

LIT INOX = stranded INOX wire

|     |     |    |      |       |        |        |        |   |             |       |   |                             |
|-----|-----|----|------|-------|--------|--------|--------|---|-------------|-------|---|-----------------------------|
| 250 | 60  | 50 | 50.8 | 100.0 | 807132 | 807149 | 807156 | - | 1,400–2,300 | 3,600 | 1 | RBU 25060/50,8 INOX ...     |
|     | 60  | 50 | 50.8 | 100.0 | -      | 807200 | -      | - | 1,400–2,300 | 3,600 | 1 | RBU 25060/50,8 LIT INOX ... |
|     | 100 | 50 | 50.8 | 100.0 | -      | 807187 | 807194 | - | 1,400–2,300 | 3,600 | 1 | RBU 250100/50,8 INOX ...    |

#### Silicon carbide (SiC) plastic filament

|     |    |    |      |       |   |   |   |        |             |       |   |                            |
|-----|----|----|------|-------|---|---|---|--------|-------------|-------|---|----------------------------|
| 250 | 60 | 45 | 50.8 | 100.0 | - | - | - | 069738 | 1,400–2,300 | 3,600 | 1 | RBU 25060/50,8 SiC 120 ... |
|-----|----|----|------|-------|---|---|---|--------|-------------|-------|---|----------------------------|



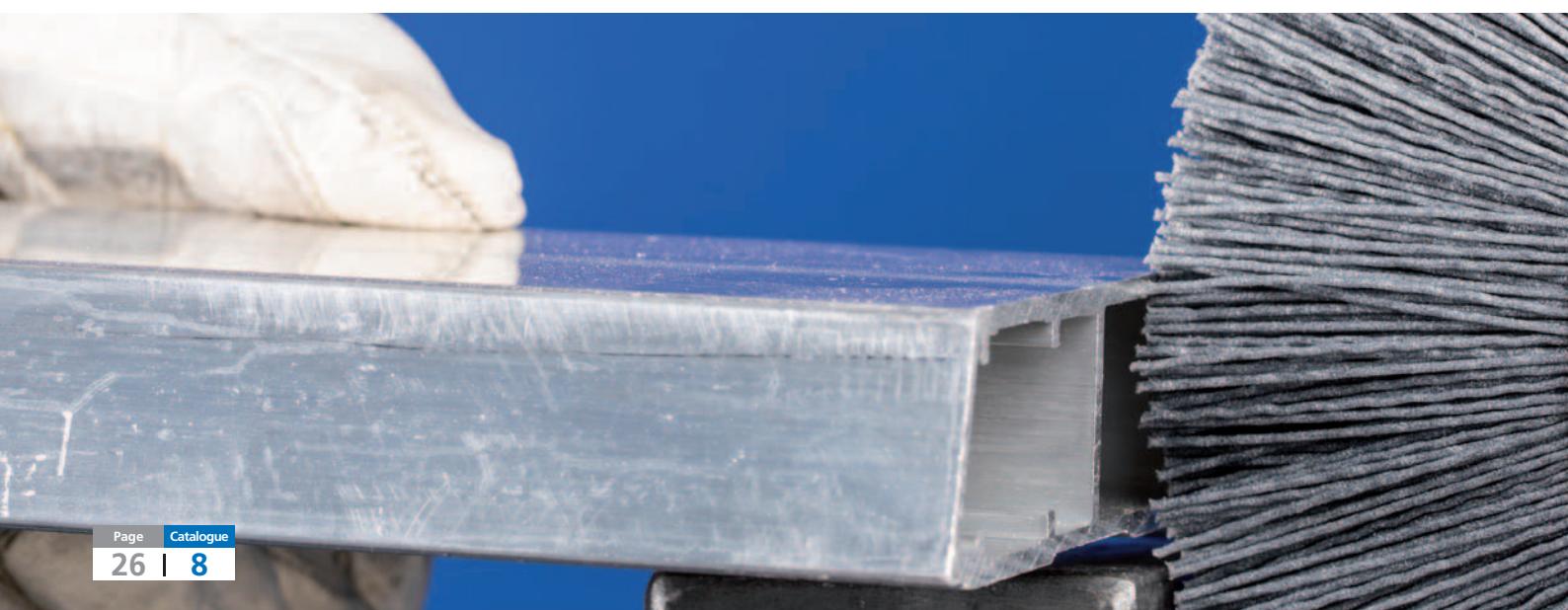
#### Adapter pair APM 50,8/22,2-30 (EAN 4007220900390):

Reduces the arbor hole diameters to the required dimensions.

Suitable for knotted wheel brushes with a diameter of 200–250 mm and crimped wheel brushes designed as deburring brushes.

#### For more information:

Detailed information on accessories can be found on pages 55 and 56.



Composite brushes from PFERD have been specifically developed for industrial, automated use. They are suitable for a variety of applications and their variable clamping options mean that they can be used on many different drive systems. This offers the advantage that the workpiece can be produced and finished on the same machine. As a result, labour-intensive, manual work is reduced and reproducible results are achieved with short cycle times.

The standard type of composite brushes is suitable for tasks requiring aggressive brushing behaviour. The FLEX type is more flexible than the standard type due to its longer trim length on wheel brushes and the special arrangement of the filament on composite disc brushes, and it is particularly well suited to work on irregular surfaces.

For efficient use, numerous application parameters such as the processing time and feed rate must be coordinated with each other and the suitable brush must be selected. PFERD offers a wide range of products for the various applications. Our experienced sales representatives and technical advisers will be happy to help or visit you. Our worldwide sales addresses can be found at: [www.pferd.com](http://www.pferd.com)



**Wheel brushes, crimped**

### RBUP

Particularly aggressive brush. Its plastic filament makes this product particularly suitable for deburring complicated components such as cylinder heads or gear toothing. Developed specially for industrial use.

#### Advantages:

- Long tool life and aggressive brushing effect due to a very high filament density.
- Extremely smooth operation due to even distribution of the filament material.

#### Recommendations for use:

- Use CO as the filament material for particularly aggressive work and a high workpiece surface quality.
- Select the REC type (rectangular filament) for aggressive work with SiC as the filament material.

#### Ordering notes:

- Please complete the description with the desired grit size and filament material diameter ( $D_f$ ).
- Please order adapter pairs APM 50,8 separately.

#### PFERDVALUE:



| D<br>[mm]   | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>A</sub><br>[mm] | Grit size / D <sub>f</sub> [mm] |            |             |             |             | Opt.<br>RPM | Max.<br>RPM |  | Description |
|-------------|------------------------|------------------------|------------------------|---------------------------------|------------|-------------|-------------|-------------|-------------|-------------|--|-------------|
|             |                        |                        |                        | 80<br>1.10                      | 80<br>1.14 | 120<br>0.55 | 120<br>1.10 | 320<br>0.55 |             |             |  |             |
| EAN 4007220 |                        |                        |                        |                                 |            |             |             |             |             |             |  |             |

#### Silicon carbide (SiC) plastic filament

|     |    |    |      |        |        |        |        |        |           |       |   |                             |
|-----|----|----|------|--------|--------|--------|--------|--------|-----------|-------|---|-----------------------------|
| 150 | 25 | 32 | 50.8 | -      | 956588 | -      | -      | -      | 900–1,500 | 3,600 | 1 | RBUP 15025/50,8 REC SiC ... |
|     |    |    |      | 956618 | -      | -      | 956649 | 956670 | 900–1,500 | 3,600 | 1 | RBUP 15025/50,8 SiC ...     |
| 200 | 25 | 32 | 50.8 | -      | 956595 | -      | -      | -      | 900–1,500 | 3,600 | 1 | RBUP 20025/50,8 REC SiC ... |
|     |    |    |      | 956625 | -      | -      | 956656 | 956687 | 900–1,500 | 3,600 | 1 | RBUP 20025/50,8 SiC ...     |
| 250 | 25 | 38 | 50.8 | -      | 956601 | -      | -      | -      | 900–1,500 | 3,600 | 1 | RBUP 25025/50,8 REC SiC ... |
|     |    |    |      | 956632 | -      | 039175 | 956663 | 956694 | 900–1,500 | 3,600 | 1 | RBUP 25025/50,8 SiC ...     |

#### Ceramic oxide grain (CO) plastic filament

|     |    |    |      |        |   |   |   |   |           |       |   |                        |
|-----|----|----|------|--------|---|---|---|---|-----------|-------|---|------------------------|
| 150 | 25 | 32 | 50.8 | 956700 | - | - | - | - | 900–1,500 | 3,600 | 1 | RBUP 15025/50,8 CO ... |
| 200 | 25 | 32 | 50.8 | 956717 | - | - | - | - | 900–1,500 | 3,600 | 1 | RBUP 20025/50,8 CO ... |
| 250 | 25 | 38 | 50.8 | 956724 | - | - | - | - | 900–1,500 | 3,600 | 1 | RBUP 25025/50,8 CO ... |



**Arbor BO 12/22,2 150-180**  
(EAN 4007220107850): For knotted and crimped wheel brushes with a diameter of 150–180 mm and a  $D_A$  of 22.2 mm.



**BO 12/22,2 200**  
(EAN 4007220107867): For knotted and crimped wheel brushes with a diameter of 200 mm and a  $D_A$  of 22.2 mm.



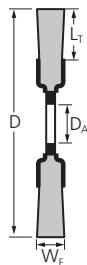
**Adapter pair AM 50,8/22,2**  
(EAN 4007220806906): Reduces the arbor hole diameters to the required dimensions. Suitable for wheel brushes with a brush diameter as from 150 mm in the wide and composite types.

**Note: Adapter pair AM 50,8/22,2**  
(EAN 4007220806906) is required to use the product with arbors.



# Composite

## Wheel brushes, crimped



### RBUP, FLEX

Particularly flexible brush. Its plastic filament makes this product particularly suitable for deburring complicated components such as cylinder heads or gear toothings. Developed specially for industrial use.

#### Advantages:

- Long tool life and aggressive brushing effect due to a very high filament density.
- Extremely smooth operation due to even distribution of the filament material.
- Highly flexible, enabling optimal adjustment to the workpiece contour and less heat build-up.

#### Recommendations for use:

- Use CO as the filament material for particularly aggressive work and a high workpiece surface quality.
- Select the REC type (rectangular filament) for aggressive work with SiC as the filament material.

#### Ordering notes:

- Please complete the description with the desired grit size and filament material diameter ( $D_f$ ).
- Packaging unit: 1 piece

#### PFERD VALUE:



| D<br>[mm] | W <sub>F</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>A</sub><br>[mm] | Keyway<br>[mm] | Grit size / D <sub>f</sub> [mm] |            |             |             |             | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|----------------|---------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
|           |                        |                        |                        |                | 80<br>1.10                      | 80<br>1.14 | 120<br>1.10 | 180<br>0.90 | 320<br>0.55 |             |             |             |
|           |                        |                        |                        |                | EAN 4007220                     |            |             |             |             |             |             |             |

#### Silicon carbide (SiC) plastic filament – FLEX type

|     |    |    |      |            |        |        |        |        |        |           |       |                                |
|-----|----|----|------|------------|--------|--------|--------|--------|--------|-----------|-------|--------------------------------|
| 200 | 25 | 57 | 50.8 | -          | -      | 039298 | -      | -      | -      | 900–1,500 | 3,600 | RBUP 20025/50,8 REC SiC...FLEX |
|     |    |    |      |            | 038840 | -      | 039151 | -      | 038895 | 900–1,500 | 3,600 | RBUP 20025/50,8 SiC ... FLEX   |
| 250 | 25 | 83 | 50.8 | -          | -      | 038505 | -      | -      | -      | 900–1,500 | 3,600 | RBUP 25025/50,8 REC SiC...FLEX |
|     |    | 83 | 50.8 | -          | 038499 | -      | 038871 | -      | 039168 | 900–1,500 | 3,600 | RBUP 25025/50,8 SiC ... FLEX   |
|     |    | 70 | 50.8 | 6.3 x 12.7 | -      | -      | -      | 038666 | -      | 900–1,500 | 3,600 | RBUP 25025/50,8 SiC ... FLEX   |
| 300 | 25 | 60 | 50.8 | 6.3 x 12.7 | 038772 | -      | 038765 | 038741 | -      | 500–800   | 1,800 | RBUP 30025/50,8 SiC ... FLEX   |
| 350 | 25 | 89 | 50.8 | 6.3 x 12.7 | 038710 | -      | -      | 038680 | -      | 500–800   | 1,800 | RBUP 35025/50,8 SiC ... FLEX   |

#### Ceramic oxide grain (CO) plastic filament – FLEX type

|     |    |    |      |            |        |   |        |   |   |         |       |                             |
|-----|----|----|------|------------|--------|---|--------|---|---|---------|-------|-----------------------------|
| 300 | 25 | 60 | 50.8 | 6.3 x 12.7 | 038796 | - | 038802 | - | - | 500–800 | 1,800 | RBUP 30025/50,8 CO ... FLEX |
| 350 | 25 | 89 | 50.8 | 6.3 x 12.7 | 038826 | - | 038819 | - | - | 500–800 | 1,800 | RBUP 35025/50,8 CO ... FLEX |



#### BO 12/22,2 200

(EAN 4007220107867):

For knotted and crimped wheel brushes with a diameter of 200 mm and a  $D_A$  of 22.2 mm.

**Note: Adapter pair AM 50,8/22,2** (EAN 4007220806906) is required to use the product with arbors.



#### Adapter pair AM 50,8/22,2

(EAN 4007220806906):

Reduces the arbor hole diameters to the required dimensions. Suitable for wheel brushes with a brush diameter as from 150 mm in the wide and composite versions.

#### For more information:

Detailed information on accessories can be found on pages 55 and 56.



### DBUR, with bridle

Particularly aggressive brush. Particularly suitable for deburring and work on surfaces on stationary machines.

#### Advantages:

- Long tool life and aggressive brushing effect due to a very high filament density.
- Extremely smooth operation due to even distribution of the filament material.

#### Recommendations for use:

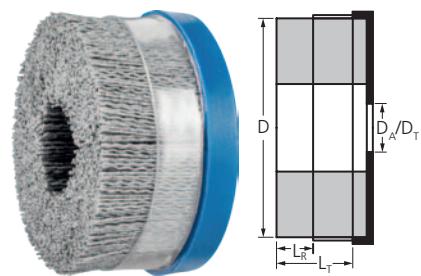
- Use CO as the filament material for particularly aggressive work and a high workpiece surface quality.
- Select the REC type (rectangular filament) for aggressive work with SiC as the filament material.
- Remove the bridle once the filament is worn down. Then the rest of the filament can be used.
- Remove the bridle before starting work if you would like to achieve a large spreading diameter or access hard-to-reach areas.

Brushes with a diameter of 75 mm with an M14 thread are suitable for use on speed-adjustable angle grinders.

#### Ordering notes:

- Please complete the description with the desired grit size and filament material diameter ( $D_f$ ).
- All composite disc brushes with a 22.2 mm diameter arbor hole are supplied with two drive pin holes with 6.5 mm diameter. Pitch circle diameter of 31 mm.

#### PFERDVALUE:



| D<br>[mm]   | L <sub>R</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>A</sub> / D <sub>T</sub> | Grit size / D <sub>f</sub> [mm] |            |             |             |             | Opt.<br>RPM | Max.<br>RPM |  | Description |
|-------------|------------------------|------------------------|---------------------------------|---------------------------------|------------|-------------|-------------|-------------|-------------|-------------|--|-------------|
|             |                        |                        |                                 | 80<br>1.10                      | 80<br>1.14 | 120<br>0.55 | 120<br>1.10 | 320<br>0.55 |             |             |  |             |
| EAN 4007220 |                        |                        |                                 |                                 |            |             |             |             |             |             |  |             |

#### Silicon carbide (SiC) plastic filament

|     |    |    |       |        |        |        |        |        |             |       |   |                           |
|-----|----|----|-------|--------|--------|--------|--------|--------|-------------|-------|---|---------------------------|
| 75  | 19 | 38 | 22.2  | -      | 032787 | -      | -      | -      | 2,400–3,900 | 4,500 | 1 | DBUR 75/22,2 REC SiC ...  |
|     |    |    | 22.2  | 032794 | -      | 033517 | 033500 | 033524 | 2,400–3,900 | 4,500 | 1 | DBUR 75/22,2 SiC ...      |
|     |    |    | M14x2 | -      | 899373 | -      | -      | -      | 2,400–3,900 | 6,000 | 1 | DBUR 75/M14 REC SiC ...   |
|     |    |    | M14x2 | 899380 | -      | -      | -      | -      | 2,400–3,900 | 6,000 | 1 | DBUR 75/M14 SiC ...       |
| 100 | 19 | 38 | 22.2  | -      | 808740 | -      | -      | -      | 1,400–2,300 | 3,500 | 1 | DBUR 100/22,2 REC SiC ... |
|     |    |    |       | 808757 | -      | -      | 808764 | 808771 | 1,400–2,300 | 3,500 | 1 | DBUR 100/22,2 SiC ...     |
| 125 | 19 | 38 | 22.2  | -      | 808795 | -      | -      | -      | 1,200–2,000 | 3,000 | 1 | DBUR 125/22,2 REC SiC ... |
|     |    |    |       | 808788 | -      | -      | 808801 | 808818 | 1,200–2,000 | 3,000 | 1 | DBUR 125/22,2 SiC ...     |
| 150 | 19 | 38 | 22.2  | 808849 | -      | -      | 808856 | 808863 | 1,000–1,600 | 2,500 | 1 | DBUR 150/22,2 SiC ...     |
|     |    |    |       | -      | 808825 | -      | -      | -      | 1,000–1,600 | 2,500 | 1 | DBUR 150/22,2 REC SiC ... |

#### Ceramic oxide grain (CO) plastic filament

|     |    |    |      |   |   |   |        |   |             |       |   |                      |
|-----|----|----|------|---|---|---|--------|---|-------------|-------|---|----------------------|
| 75  | 19 | 38 | 22.2 | - | - | - | 033593 | - | 2,400–3,900 | 4,500 | 1 | DBUR 75/22,2 CO ...  |
| 100 | 19 | 38 | 22.2 | - | - | - | 837221 | - | 1,400–2,300 | 3,500 | 1 | DBUR 100/22,2 CO ... |
| 125 | 19 | 38 | 22.2 | - | - | - | 837245 | - | 1,200–2,000 | 3,000 | 1 | DBUR 125/22,2 CO ... |
| 150 | 19 | 38 | 22.2 | - | - | - | 837252 | - | 1,000–1,600 | 2,500 | 1 | DBUR 150/22,2 CO ... |



#### Arbor BO 12/22,2 75-100 (EAN 400722080887):

For all composite disc brushes with a diameter of 75–100 mm and a  $D_A$  of 22.2 mm.

#### BO 12/22,2 125-150 (EAN 4007220808894):

For all composite disc brushes with a diameter of 125–150 mm and a  $D_A$  of 22.2 mm.

#### For more information:

Detailed information on accessories can be found on pages 55 and 56.



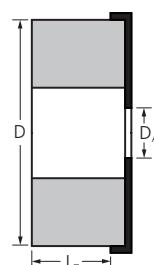
More PFERD tools and a large number of recommendations for use when working with aluminium can be found in our PRAXIS brochure, "PFERD tools for use on aluminium". Please contact us.





# Composite

## Composite disc brushes, crimped



### DBU, FLEX

Particularly flexible brush. Particularly suitable for deburring and work on surfaces on stationary machines.

#### Advantages:

- Long tool life and aggressive brushing effect due to a very high filament density.
- Extremely smooth operation due to even distribution of the filament material.
- Special arrangement of the filament enables optimal adjustment to the workpiece contour and less heat build-up.
- Select the REC type (rectangular filament) for aggressive work with SiC as the filament material.

#### Ordering notes:

- Please complete the description with the desired grit size and filament material diameter ( $D_F$ ).
- All composite disc brushes with a 22.2 mm diameter arbor hole are supplied with two drive pin holes with 6.5 mm diameter. Pitch circle diameter of 31 mm.

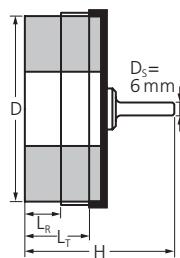
#### PFERDVALUE:



| D<br>[mm]   | L_T<br>[mm] | D_A<br>[mm] | Grit size / D_F [mm] |            |             |             | Opt.<br>RPM | Max.<br>RPM |  | Description |
|-------------|-------------|-------------|----------------------|------------|-------------|-------------|-------------|-------------|--|-------------|
|             |             |             | 80<br>1.10           | 80<br>1.14 | 120<br>1.10 | 320<br>0.55 |             |             |  |             |
| EAN 4007220 |             |             |                      |            |             |             |             |             |  |             |

#### Silicon carbide (SiC) plastic filament – FLEX type

|     |    |      |        |        |        |        |             |       |   |                               |
|-----|----|------|--------|--------|--------|--------|-------------|-------|---|-------------------------------|
| 75  | 38 | 22.2 | -      | 033647 | -      | -      | 2,400–3,900 | 4,500 | 1 | DBU 75/22,2 REC SiC ... FLEX  |
|     |    |      | 033678 | -      | 033685 | 033708 |             |       |   |                               |
| 100 | 38 | 22.2 | -      | 033715 | -      | -      | 1,400–2,300 | 3,500 | 1 | DBU 100/22,2 REC SiC ... FLEX |
|     |    |      | 033739 | -      | 033746 | 033760 | 1,400–2,300 | 3,500 | 1 | DBU 100/22,2 SiC ... FLEX     |
| 150 | 38 | 22.2 | -      | 033777 | -      | -      | 1,000–1,600 | 2,500 | 1 | DBU 150/22,2 REC SiC ... FLEX |
|     |    |      | 033791 | -      | 033807 | 033821 | 1,000–1,600 | 2,500 | 1 | DBU 150/22,2 SiC ... FLEX     |



### DBUR, shank-mounted, with bridle

Particularly aggressive brush. Particularly suitable for deburring and work on surfaces on stationary machines.

#### Advantages:

- Long tool life and aggressive brushing effect due to a very high filament density.
- Extremely smooth operation due to even distribution of the filament material.

#### Recommendations for use:

- Use CO as the filament material for particularly aggressive work and a high workpiece surface quality.
- Remove the bridle once the filament is worn down. Then the rest of the filament can be used.

- Remove the bridle before starting work if you would like to achieve a large spreading diameter or access hard-to-reach areas.

#### Ordering notes:

- Please complete the description with the desired filament material diameter ( $D_F$ ).

#### PFERDVALUE:



| D<br>[mm]   | L_R<br>[mm] | L_T<br>[mm] | H<br>[mm] | Grit size / D_F [mm] |             |             | Opt.<br>RPM | Max.<br>RPM |  | Description |
|-------------|-------------|-------------|-----------|----------------------|-------------|-------------|-------------|-------------|--|-------------|
|             |             |             |           | 120<br>0.55          | 120<br>1.00 | 120<br>1.10 |             |             |  |             |
| EAN 4007220 |             |             |           |                      |             |             |             |             |  |             |

#### Silicon carbide (SiC) plastic filament

|    |    |    |    |        |        |   |             |       |   |                       |
|----|----|----|----|--------|--------|---|-------------|-------|---|-----------------------|
| 50 | 19 | 38 | 80 | 101582 | 104262 | - | 1,500–3,500 | 5,000 | 1 | DBUR 50/6 SiC 120 ... |
| 63 | 19 | 38 | 80 | 104675 | 104682 | - | 1,500–3,500 | 5,000 | 1 | DBUR 63/6 SiC 120 ... |

#### Ceramic oxide grain (CO) plastic filament

|    |    |    |    |   |   |        |             |       |   |                      |
|----|----|----|----|---|---|--------|-------------|-------|---|----------------------|
| 50 | 19 | 38 | 80 | - | - | 104699 | 1,500–3,500 | 5,000 | 1 | DBUR 50/6 CO 120 ... |
| 63 | 19 | 38 | 80 | - | - | 104705 | 1,500–3,500 | 5,000 | 1 | DBUR 63/6 CO 120 ... |



**Arbor BO 12/22,2 75-100**  
(EAN 4007220808887):

For all composite disc brushes with a diameter of 75–100 mm and a  $D_A$  of 22.2 mm.



**BO 12/22,2 125-150**  
(EAN 4007220808894):

For all composite disc brushes with a diameter of 125–150 mm and a  $D_A$  of 22.2 mm.

#### For more information:

Detailed information on accessories can be found on pages 55 and 56.



### PBUPR, with bridle

Particularly suitable for deburring and work on surfaces on stationary machines.

#### Advantages:

- Long tool life and aggressive brushing effect due to a very high filament density.
- Extremely smooth operation due to even distribution of the filament material.
- Optimal access to hard-to-reach areas such as drilled holes and cavities as the wires spread out upon rotation.

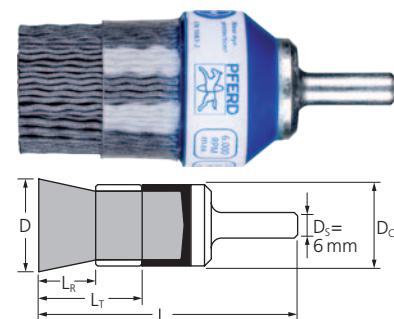
#### Recommendations for use:

- Use CO as the filament material for particularly aggressive work and a high workpiece surface quality.
- Remove the bridle once the filament is worn down. Then the rest of the filament can be used.
- Remove the bridle before starting work if you would like to ensure particularly flexible working, achieve a large spreading diameter or access hard-to-reach areas.

#### Ordering notes:

- Please complete the description with the desired grit size and filament material diameter ( $D_f$ ).
- All brushes are supplied with a bridle.

#### PFERDVALUE:



| D<br>[mm]   | D <sub>c</sub><br>[mm] | L <sub>r</sub><br>[mm] | L <sub>t</sub><br>[mm] | L<br>[mm] | Grit size / D <sub>f</sub> [mm] |      |      | Opt.<br>RPM | Max.<br>RPM | IP | Description |  |
|-------------|------------------------|------------------------|------------------------|-----------|---------------------------------|------|------|-------------|-------------|----|-------------|--|
|             |                        |                        |                        |           | 120                             | 120  | 120  |             |             |    |             |  |
|             |                        |                        |                        |           | 0.55                            | 1.00 | 1.10 |             |             |    |             |  |
| EAN 4007220 |                        |                        |                        |           |                                 |      |      |             |             |    |             |  |

#### Silicon carbide (SiC) plastic filament

|    |    |    |    |    |        |        |   |             |       |   |                      |
|----|----|----|----|----|--------|--------|---|-------------|-------|---|----------------------|
| 25 | 28 | 14 | 28 | 70 | 070383 | 070369 | - | 2,400–3,900 | 6,000 | 1 | PBUPR 2528/6 SiC ... |
| 38 | 38 | 14 | 28 | 77 | 070390 | 070376 | - | 2,000–3,200 | 5,000 | 1 | PBUPR 3838/6 SiC ... |

#### Ceramic oxide grain (CO) plastic filament

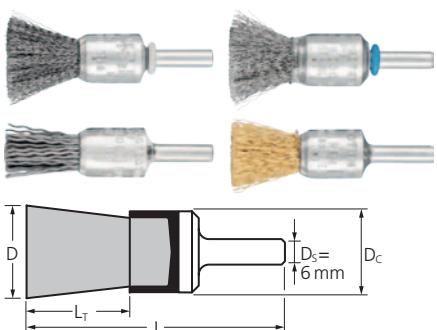
|    |    |    |    |    |   |   |        |             |       |   |                     |
|----|----|----|----|----|---|---|--------|-------------|-------|---|---------------------|
| 25 | 28 | 14 | 28 | 70 | - | - | 104712 | 2,400–3,900 | 6,000 | 1 | PBUPR 2528/6 CO ... |
| 38 | 38 | 14 | 28 | 77 | - | - | 104729 | 2,000–3,200 | 5,000 | 1 | PBUPR 3838/6 CO ... |





# Shank mounted end brushes

## crimped



### PBU

Suitable for light brushing such as deburring, cleaning and derusting.



#### Advantages:

- Optimal access to hard-to-reach areas such as drilled holes and cavities as the wires spread out upon rotation.

#### Recommendations for use:

- For the best results, use a tool drive with a minimum output of 300 watts.

#### Ordering notes:

- For POS type, please add "POS" to the description.

| D<br>[mm]   | D <sub>c</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>f</sub><br>[mm] | L<br>[mm] | Packaging |    | Opt.<br>RPM | Max.<br>RPM | Description |
|-------------|------------------------|------------------------|------------------------|-----------|-----------|----|-------------|-------------|-------------|
|             |                        |                        |                        |           | 10x       | 10 |             |             |             |
| EAN 4007220 |                        |                        |                        |           |           |    |             |             |             |

#### Steel wire (ST)

|    |    |    |      |    |        |        |               |        |                    |
|----|----|----|------|----|--------|--------|---------------|--------|--------------------|
| 10 | 10 | 20 | 0.20 | 65 | -      | 530887 | 10,000–15,000 | 20,000 | PBU 1010/6 ST 0,20 |
|    |    |    | 0.35 | 65 | -      | 153277 | 10,000–15,000 | 20,000 | PBU 1010/6 ST 0,35 |
| 13 | 12 | 20 | 0.20 | 65 | -      | 562574 | 10,000–15,000 | 20,000 | PBU 1312/6 ST 0,20 |
|    |    |    | 0.35 | 65 | -      | 562581 | 10,000–15,000 | 20,000 | PBU 1312/6 ST 0,35 |
| 15 | 16 | 22 | 0.20 | 65 | 894491 | 530894 | 9,000–13,500  | 18,000 | PBU 1516/6 ST 0,20 |
|    |    |    | 0.35 | 65 | 532256 | 153253 | 9,000–13,500  | 18,000 | PBU 1516/6 ST 0,35 |
| 20 | 22 | 25 | 0.20 | 70 | 894514 | 530900 | 9,000–13,500  | 18,000 | PBU 2022/6 ST 0,20 |
|    |    |    | 0.50 | 70 | 532263 | 153222 | 9,000–13,500  | 18,000 | PBU 2022/6 ST 0,50 |
| 30 | 29 | 25 | 0.20 | 70 | -      | 530917 | 7,500–11,300  | 15,000 | PBU 3029/6 ST 0,20 |
|    |    |    | 0.50 | 70 | -      | 153192 | 7,500–11,300  | 15,000 | PBU 3029/6 ST 0,50 |

#### Stainless steel wire (INOX)

Supplied with plastic-covered brush body. All INOX brushes are degreased.

|    |    |    |      |    |        |        |              |        |                      |
|----|----|----|------|----|--------|--------|--------------|--------|----------------------|
| 10 | 10 | 20 | 0.15 | 65 | -      | 598023 | 8,000–13,000 | 20,000 | PBU 1010/6 INOX 0,15 |
|    |    |    | 0.20 | 65 | -      | 530924 | 8,000–13,000 | 20,000 | PBU 1010/6 INOX 0,20 |
|    |    |    | 0.35 | 65 | -      | 153291 | 8,000–13,000 | 20,000 | PBU 1010/6 INOX 0,35 |
| 13 | 12 | 20 | 0.15 | 65 | -      | 598030 | 8,000–13,000 | 20,000 | PBU 1312/6 INOX 0,15 |
|    |    |    | 0.20 | 65 | -      | 562598 | 8,000–13,000 | 20,000 | PBU 1312/6 INOX 0,20 |
|    |    |    | 0.35 | 65 | -      | 562604 | 8,000–13,000 | 20,000 | PBU 1312/6 INOX 0,35 |
| 15 | 16 | 22 | 0.15 | 65 | -      | 598047 | 7,200–11,700 | 18,000 | PBU 1516/6 INOX 0,15 |
|    |    |    | 0.20 | 65 | 894545 | 530931 | 7,200–11,700 | 18,000 | PBU 1516/6 INOX 0,20 |
|    |    |    | 0.35 | 65 | 532287 | 153260 | 7,200–11,700 | 18,000 | PBU 1516/6 INOX 0,35 |
| 20 | 22 | 25 | 0.15 | 70 | -      | 598054 | 7,200–11,700 | 18,000 | PBU 2022/6 INOX 0,15 |
|    |    |    | 0.20 | 70 | 894552 | 530948 | 7,200–11,700 | 18,000 | PBU 2022/6 INOX 0,20 |
|    |    |    | 0.50 | 70 | 532294 | 153246 | 7,200–11,700 | 18,000 | PBU 2022/6 INOX 0,50 |
| 30 | 29 | 25 | 0.15 | 70 | -      | 598061 | 6,000–9,800  | 15,000 | PBU 3029/6 INOX 0,15 |
|    |    |    | 0.20 | 70 | -      | 530955 | 6,000–9,800  | 15,000 | PBU 3029/6 INOX 0,20 |
|    |    |    | 0.50 | 70 | -      | 153215 | 6,000–9,800  | 15,000 | PBU 3029/6 INOX 0,50 |

#### Brass wire (MES)

|    |    |    |      |    |   |        |              |        |                     |
|----|----|----|------|----|---|--------|--------------|--------|---------------------|
| 10 | 10 | 20 | 0.30 | 65 | - | 153284 | 8,000–13,000 | 20,000 | PBU 1010/6 MES 0,30 |
| 13 | 12 | 20 | 0.30 | 65 | - | 562611 | 8,000–13,000 | 20,000 | PBU 1312/6 MES 0,30 |
| 15 | 16 | 22 | 0.30 | 65 | - | 220672 | 7,200–11,700 | 18,000 | PBU 1516/6 MES 0,30 |
| 20 | 22 | 25 | 0.50 | 70 | - | 153239 | 7,200–11,700 | 18,000 | PBU 2022/6 MES 0,50 |
| 30 | 29 | 25 | 0.50 | 70 | - | 153208 | 6,000–9,800  | 15,000 | PBU 3029/6 MES 0,50 |

#### Silicon carbide (SiC) plastic filament

|    |    |    |      |    |        |        |              |        |                         |
|----|----|----|------|----|--------|--------|--------------|--------|-------------------------|
| 10 | 10 | 20 | 0.90 | 65 | -      | 220696 | 8,000–13,000 | 20,000 | PBU 1010/6 SiC 180 0,90 |
| 13 | 12 | 20 | 0.90 | 65 | -      | 562628 | 8,000–13,000 | 20,000 | PBU 1312/6 SiC 180 0,90 |
| 15 | 16 | 22 | 0.90 | 65 | 532348 | 220689 | 7,200–11,700 | 18,000 | PBU 1516/6 SiC 180 0,90 |
| 20 | 22 | 25 | 0.90 | 70 | 532355 | 220665 | 7,200–11,700 | 18,000 | PBU 2022/6 SiC 180 0,90 |
| 30 | 29 | 25 | 0.90 | 70 | -      | 220658 | 6,000–9,800  | 15,000 | PBU 3029/6 SiC 180 0,90 |

## PBUL, long / PBUS, tapered

Suitable for light brushing such as deburring, cleaning and derusting.  
Special versions for particular applications.

**PBUL:** Particularly long version to access deep gaps.

**PBUS:** Tapered tip for superb accuracy.

### Advantages:

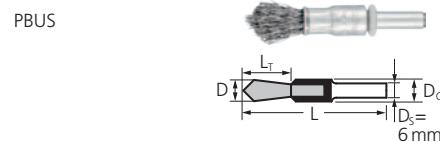
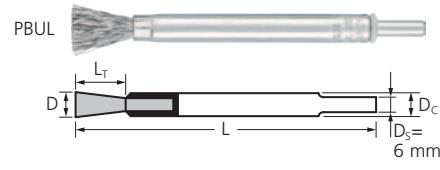
■ Optimal access to hard-to-reach areas.

### Recommendations for use:

■ For the best results, use a tool drive with a minimum output of 300 watts.

### Ordering notes:

■ Please complete the description with the desired filament material diameter ( $D_f$ ).



| D<br>[mm] | D_c<br>[mm] | L_T<br>[mm] | L<br>[mm] | D_f [mm]    |      | Opt.<br>RPM | Max.<br>RPM |  | Description |
|-----------|-------------|-------------|-----------|-------------|------|-------------|-------------|--|-------------|
|           |             |             |           | 0.20        | 0.30 |             |             |  |             |
|           |             |             |           | EAN 4007220 |      |             |             |  |             |

### Steel wire (ST)

|    |    |    |     |        |        |               |        |    |                    |
|----|----|----|-----|--------|--------|---------------|--------|----|--------------------|
| 10 | 10 | 20 | 120 | 659199 | 659205 | 4,000–9,500   | 20,000 | 10 | PBUL 1010/6 ST ... |
|    |    |    | 60  | -      | 659243 | 10,000–15,000 | 20,000 | 10 | PBUS 1010/6 ST ... |

### Stainless steel wire (INOX)

Supplied with plastic-covered brush body. All INOX brushes are degreased.

|    |    |    |     |        |        |              |        |    |                      |
|----|----|----|-----|--------|--------|--------------|--------|----|----------------------|
| 10 | 10 | 20 | 120 | 659212 | 659229 | 3,500–9,000  | 20,000 | 10 | PBUL 1010/6 INOX ... |
|    |    |    | 60  | -      | 659250 | 8,000–13,000 | 20,000 | 10 | PBUS 1010/6 INOX ... |

## PBV, encapsulated

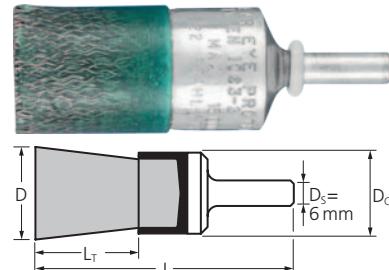
Suitable for medium-duty brushing such as deburring, cleaning and derusting.

### Advantages:

- Focused working thanks to high dimensional stability.
- Longest tool life as premature wire breakage is prevented.

### Recommendations for use:

- For the best results, use a tool drive with a minimum output of 300 watts.
- Use face-down for a particularly intensive brushing effect.



| D<br>[mm] | D_c<br>[mm] | L_T<br>[mm] | D_f<br>[mm] | L<br>[mm] | Packaging   | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|-------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------|
|           |             |             |             |           | 10          |             |             |             |
|           |             |             |             |           | EAN 4007220 |             |             |             |

### Steel wire (ST)

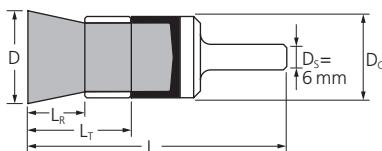
|    |    |    |      |    |        |             |        |                    |
|----|----|----|------|----|--------|-------------|--------|--------------------|
| 22 | 22 | 25 | 0.25 | 70 | 153321 | 6,500–9,800 | 13,000 | PBV 2222/6 ST 0,25 |
| 30 | 29 | 25 | 0.35 | 70 | 531112 | 6,500–9,800 | 13,000 | PBV 3029/6 ST 0,35 |





# Shank mounted end brushes

## crimped



### PBUR, with bridle

Suitable for light brushing such as deburring, cleaning and derusting.



#### Advantages:

- The bridle prevents the wires spreading out sideways.
- The bridle enables the spreading out and flexibility of the brush filament to be strictly controlled.
- Optimal access to hard-to-reach areas such as recesses and drilled holes.

#### Recommendations for use:

- For the best results, use a tool drive with a minimum output of 300 watts.

#### Ordering notes:

- Please complete the description with the desired filament material diameter ( $D_f$ ).

| D<br>[mm]   | D <sub>c</sub><br>[mm] | L <sub>r</sub><br>[mm] | L <sub>t</sub><br>[mm] | L<br>[mm] | D <sub>f</sub> [mm] |      | Opt.<br>RPM | Max.<br>RPM | IP | Description |
|-------------|------------------------|------------------------|------------------------|-----------|---------------------|------|-------------|-------------|----|-------------|
|             |                        |                        |                        |           | 0.20                | 0.35 |             |             |    |             |
| EAN 4007220 |                        |                        |                        |           |                     |      |             |             |    |             |

#### Steel wire (ST)

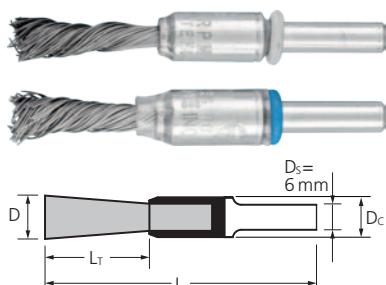
|    |    |    |    |    |        |        |              |        |    |                    |
|----|----|----|----|----|--------|--------|--------------|--------|----|--------------------|
| 13 | 16 | 13 | 25 | 70 | 530962 | 530979 | 7,500–11,300 | 15,000 | 10 | PBUR 1316/6 ST ... |
| 20 | 22 | 13 | 25 | 70 | 530986 | 530993 | 6,300–9,400  | 12,500 | 10 | PBUR 2022/6 ST ... |
| 25 | 30 | 13 | 25 | 70 | 531006 | 531013 | 6,300–9,400  | 12,500 | 10 | PBUR 2530/6 ST ... |

#### Stainless steel wire (INOX)

Supplied with plastic-covered brush body. All INOX brushes are degreased.

|    |    |    |    |    |        |   |             |        |    |                      |
|----|----|----|----|----|--------|---|-------------|--------|----|----------------------|
| 13 | 16 | 13 | 25 | 70 | 531020 | - | 6,000–9,800 | 15,000 | 10 | PBUR 1316/6 INOX ... |
| 20 | 22 | 13 | 25 | 70 | 531037 | - | 5,000–8,100 | 12,500 | 10 | PBUR 2022/6 INOX ... |
| 25 | 30 | 13 | 25 | 70 | 531044 | - | 5,000–8,100 | 12,500 | 10 | PBUR 2530/6 INOX ... |

## knotted



### PBGS, SINGLETWIST

Particularly flexible single-knot brush for special applications.



#### Advantages:

- Optimal access to hard-to-reach areas such as inside corners as the knot is less likely to unravel.

#### Recommendations for use:

- For optimum results, use on speed-adjustable tool drives.
- For the best results, use a tool drive with a minimum output of 300 watts.

#### Ordering notes:

- Please complete the description with the desired filament material diameter ( $D_f$ ).

| D<br>[mm]   | D <sub>c</sub><br>[mm] | L <sub>t</sub><br>[mm] | L<br>[mm] | D <sub>f</sub> [mm] |      |      | Opt.<br>RPM | Max.<br>RPM | IP | Description |
|-------------|------------------------|------------------------|-----------|---------------------|------|------|-------------|-------------|----|-------------|
|             |                        |                        |           | 0.20                | 0.35 | 0.50 |             |             |    |             |
| EAN 4007220 |                        |                        |           |                     |      |      |             |             |    |             |

#### Steel wire (ST) – SINGLETWIST type

|    |    |    |    |        |        |        |             |        |    |                    |
|----|----|----|----|--------|--------|--------|-------------|--------|----|--------------------|
| 10 | 10 | 25 | 65 | 659267 | 659274 | 659281 | 5,000–7,500 | 10,000 | 10 | PBGS 1010/6 ST ... |
| 12 | 10 | 28 | 71 | 807002 | -      | -      | 5,000–7,500 | 10,000 | 10 | PBGS 1210/6 ST ... |

#### Stainless steel wire (INOX) – SINGLETWIST type

Supplied with plastic-covered brush body. All INOX brushes are degreased.

|    |    |    |    |        |        |        |             |        |    |                      |
|----|----|----|----|--------|--------|--------|-------------|--------|----|----------------------|
| 10 | 10 | 25 | 65 | 659298 | 659304 | 659311 | 4,000–6,500 | 10,000 | 10 | PBGS 1010/6 INOX ... |
| 12 | 10 | 28 | 71 | 807019 | -      | -      | 4,000–6,500 | 10,000 | 10 | PBGS 1210/6 INOX ... |

**PBG**

Aggressive brush. Suitable for medium-duty brushing such as deburring, cleaning and derusting.

**Advantages:**

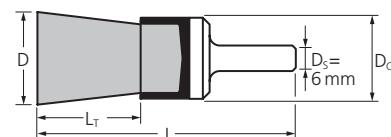
- Optimal access to hard-to-reach areas such as recesses and drilled holes.

**Ordering notes:**

- For POS type, please add "POS" to the description.

**Recommendations for use:**

- Use speed-adjustable tool drives to control the spread of the brush.
- For the best results, use a tool drive with a minimum output of 500 watts.



| D<br>[mm]   | D <sub>c</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>f</sub><br>[mm] | L<br>[mm] | Knots<br>[pcs.] | Packaging |    | Opt.<br>RPM | Max.<br>RPM | Description |
|-------------|------------------------|------------------------|------------------------|-----------|-----------------|-----------|----|-------------|-------------|-------------|
|             |                        |                        |                        |           |                 | 10x       | 10 |             |             |             |
| EAN 4007220 |                        |                        |                        |           |                 |           |    |             |             |             |

**Steel wire (ST)**

|    |    |    |      |    |    |        |        |               |        |                    |
|----|----|----|------|----|----|--------|--------|---------------|--------|--------------------|
| 19 | 19 | 28 | 0.25 | 68 | 6  | -      | 936580 | 10,000–15,000 | 20,000 | PBG 1919/6 ST 0,25 |
|    |    |    | 0.35 | 68 | 6  | 532416 | 153314 | 10,000–15,000 | 20,000 | PBG 1919/6 ST 0,35 |
|    |    |    | 0.50 | 68 | 6  | 894361 | 531051 | 10,000–15,000 | 20,000 | PBG 1919/6 ST 0,50 |
| 23 | 23 | 28 | 0.25 | 68 | 8  | -      | 936603 | 10,000–15,000 | 20,000 | PBG 2323/6 ST 0,25 |
|    |    |    | 0.35 | 68 | 8  | -      | 936610 | 10,000–15,000 | 20,000 | PBG 2323/6 ST 0,35 |
|    |    |    | 0.50 | 68 | 8  | -      | 936627 | 10,000–15,000 | 20,000 | PBG 2323/6 ST 0,50 |
| 30 | 28 | 25 | 0.25 | 68 | 12 | -      | 936672 | 8,000–11,300  | 20,000 | PBG 3028/6 ST 0,25 |
|    |    |    | 0.35 | 68 | 12 | 532423 | 531068 | 8,000–11,300  | 20,000 | PBG 3028/6 ST 0,35 |
|    |    |    | 0.50 | 68 | 12 | 894422 | 531075 | 8,000–11,300  | 20,000 | PBG 3028/6 ST 0,50 |

**Stainless steel wire (INOX)**

Supplied with plastic-covered brush body. All INOX brushes are degreased.

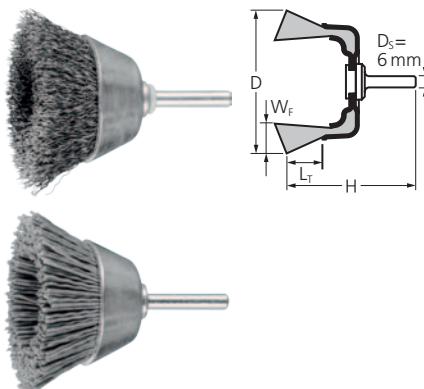
|    |    |    |      |    |    |        |        |              |        |                      |
|----|----|----|------|----|----|--------|--------|--------------|--------|----------------------|
| 19 | 19 | 28 | 0.15 | 68 | 6  | -      | 598078 | 8,000–13,000 | 20,000 | PBG 1919/6 INOX 0,15 |
|    |    |    | 0.25 | 68 | 6  | -      | 936597 | 8,000–13,000 | 20,000 | PBG 1919/6 INOX 0,25 |
|    |    |    | 0.35 | 68 | 6  | 532430 | 220702 | 8,000–13,000 | 20,000 | PBG 1919/6 INOX 0,35 |
|    |    |    | 0.60 | 68 | 6  | -      | 531082 | 8,000–13,000 | 20,000 | PBG 1919/6 INOX 0,60 |
| 23 | 23 | 28 | 0.15 | 68 | 8  | -      | 936634 | 8,000–13,000 | 20,000 | PBG 2323/6 INOX 0,15 |
|    |    |    | 0.25 | 68 | 8  | -      | 936641 | 8,000–13,000 | 20,000 | PBG 2323/6 INOX 0,25 |
|    |    |    | 0.35 | 68 | 8  | -      | 936658 | 8,000–13,000 | 20,000 | PBG 2323/6 INOX 0,35 |
|    |    |    | 0.60 | 68 | 8  | -      | 936665 | 8,000–13,000 | 20,000 | PBG 2323/6 INOX 0,60 |
| 30 | 28 | 25 | 0.15 | 68 | 12 | -      | 598085 | 6,000–9,800  | 20,000 | PBG 3028/6 INOX 0,15 |
|    |    |    | 0.25 | 68 | 12 | -      | 936689 | 6,000–9,800  | 20,000 | PBG 3028/6 INOX 0,25 |
|    |    |    | 0.35 | 68 | 12 | 532447 | 531099 | 6,000–9,800  | 20,000 | PBG 3028/6 INOX 0,35 |
|    |    |    | 0.60 | 68 | 12 | -      | 531105 | 6,000–9,800  | 20,000 | PBG 3028/6 INOX 0,60 |





# Shank mounted cup brushes

## crimped



### TBU

Universally suitable for cleaning, derusting and smoothing, as well as removal of corrosion and paint. Particularly suitable for brushing on large, flat and easily accessible surfaces due to face-down use with the entire brush face applied to the workpiece.

#### Advantages:

- Highly flexible, enabling optimal adjustment to the workpiece contour.

#### Ordering notes:

- For POS type, please add "POS" to the description.

#### Recommendations for use:

- For the best results, use a tool drive with a minimum output of 300 watts.

| D<br>[mm]          | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>f</sub><br>[mm] | H<br>[mm] | Packaging |         | Opt.<br>RPM | Max.<br>RPM | Description |
|--------------------|------------------------|------------------------|------------------------|-----------|-----------|---------|-------------|-------------|-------------|
|                    |                        |                        |                        |           | 5x        | 1<br>10 |             |             |             |
| <b>EAN 4007220</b> |                        |                        |                        |           |           |         |             |             |             |

#### Steel wire (ST)

|    |    |    |      |    |        |        |             |        |                    |
|----|----|----|------|----|--------|--------|-------------|--------|--------------------|
| 30 | 10 | 15 | 0.20 | 60 | -      | 004517 | 5,300–7,900 | 10,500 | TBU 3010/6 ST 0,20 |
| 40 | 15 | 20 | 0.20 | 70 | -      | 004524 | 5,300–7,900 | 10,500 | TBU 4015/6 ST 0,20 |
| 50 | 10 | 20 | 0.30 | 75 | 532171 | 153345 | 5,300–7,900 | 10,500 | TBU 5010/6 ST 0,30 |
| 60 | 15 | 20 | 0.30 | 85 | -      | 153352 | 2,200–3,400 | 4,500  | TBU 6015/6 ST 0,30 |
| 70 | 15 | 22 | 0.20 | 80 | -      | 004531 | 3,000–4,500 | 6,000  | TBU 7015/6 ST 0,20 |
|    |    |    | 0.30 | 80 | -      | 004555 | 3,000–4,500 | 6,000  | TBU 7015/6 ST 0,30 |

#### Stainless steel wire (INOX)

Supplied with plastic covered brush body.

|    |    |    |      |    |        |        |             |        |                      |
|----|----|----|------|----|--------|--------|-------------|--------|----------------------|
| 30 | 10 | 15 | 0.20 | 60 | -      | 004562 | 4,200–6,800 | 10,500 | TBU 3010/6 INOX 0,20 |
| 40 | 15 | 20 | 0.20 | 70 | -      | 004579 | 4,200–6,800 | 10,500 | TBU 4015/6 INOX 0,20 |
| 50 | 10 | 20 | 0.30 | 75 | 894651 | 579107 | 4,200–6,800 | 10,500 | TBU 5010/6 INOX 0,30 |
| 60 | 15 | 20 | 0.30 | 85 | -      | 579114 | 1,800–2,900 | 4,500  | TBU 6015/6 INOX 0,30 |
| 70 | 15 | 22 | 0.20 | 80 | -      | 004586 | 2,400–4,000 | 6,000  | TBU 7015/6 INOX 0,20 |
|    |    |    | 0.30 | 80 | -      | 004593 | 2,400–4,000 | 6,000  | TBU 7015/6 INOX 0,30 |

#### Silicon carbide (SiC) plastic filament

|    |    |    |      |    |        |        |             |        |                         |
|----|----|----|------|----|--------|--------|-------------|--------|-------------------------|
| 50 | 10 | 20 | 0.90 | 75 | 894668 | 220719 | 4,200–6,800 | 10,500 | TBU 5010/6 SiC 180 0,90 |
| 60 | 15 | 20 | 0.90 | 85 | -      | 220726 | 1,800–2,900 | 4,500  | TBU 6015/6 SiC 180 0,90 |

#### Ceramic oxide grain (CO) plastic filament

|    |    |    |      |    |   |        |             |        |                        |
|----|----|----|------|----|---|--------|-------------|--------|------------------------|
| 50 | 15 | 22 | 1.10 | 75 | - | 004609 | 4,200–6,800 | 10,500 | TBU 5015/6 CO 120 1,10 |
|----|----|----|------|----|---|--------|-------------|--------|------------------------|



**KBU**

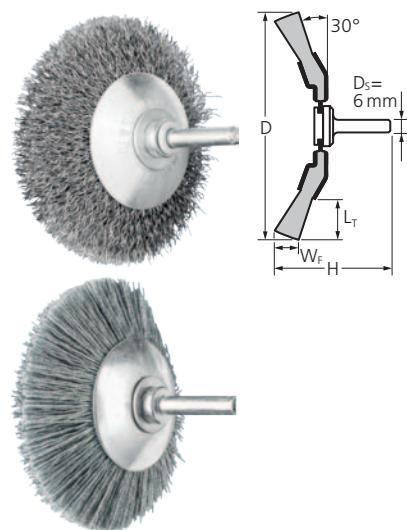
Excellent for medium-duty brushing such as deburring, cleaning and derusting.

**Advantages:**

- Optimal access to hard-to-reach areas such as inner edges, grooves and keyways.

**Recommendations for use:**

- For the best results, use a tool drive with a minimum output of 300 watts.



| D<br>[mm] | W_F<br>[mm] | L_T<br>[mm] | D_F<br>[mm] | H<br>[mm] | Packaging         | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|-------------|-------------|-------------|-----------|-------------------|-------------|-------------|-------------|
|           |             |             |             |           | 10<br>EAN 4007220 |             |             |             |

**Steel wire (ST)**

|    |    |    |      |    |        |              |        |                    |
|----|----|----|------|----|--------|--------------|--------|--------------------|
| 50 | 10 | 10 | 0.20 | 49 | 936351 | 7,500–11,300 | 15,000 | KBU 5010/6 ST 0,20 |
| 70 | 10 | 15 | 0.30 | 58 | 936368 | 7,500–11,300 | 15,000 | KBU 7010/6 ST 0,30 |
| 80 | 10 | 20 | 0.30 | 62 | 936375 | 6,000–9,000  | 12,000 | KBU 8010/6 ST 0,30 |
| 95 | 10 | 25 | 0.30 | 62 | 899397 | 6,000–9,000  | 12,000 | KBU 9510/6 ST 0,30 |

**Stainless steel wire (INOX)**

All INOX brushes are degreased.

|    |    |    |      |    |        |             |        |                      |
|----|----|----|------|----|--------|-------------|--------|----------------------|
| 50 | 10 | 10 | 0.20 | 49 | 936382 | 6,000–9,800 | 15,000 | KBU 5010/6 INOX 0,20 |
| 70 | 10 | 15 | 0.15 | 58 | 936399 | 6,000–9,800 | 15,000 | KBU 7010/6 INOX 0,15 |
|    |    |    | 0.20 | 58 | 936405 | 6,000–9,800 | 15,000 | KBU 7010/6 INOX 0,20 |
| 80 | 10 | 20 | 0.30 | 62 | 936412 | 4,800–7,800 | 12,000 | KBU 8010/6 INOX 0,30 |
| 95 | 10 | 25 | 0.30 | 62 | 899403 | 4,800–7,800 | 12,000 | KBU 9510/6 INOX 0,30 |

**Silicon carbide (SiC) plastic filament**

|    |    |    |      |    |        |             |        |                         |
|----|----|----|------|----|--------|-------------|--------|-------------------------|
| 70 | 10 | 15 | 0.55 | 58 | 004456 | 6,000–9,800 | 15,000 | KBU 7010/6 SiC 120 0,55 |
| 80 | 10 | 20 | 0.55 | 62 | 004470 | 4,800–7,800 | 12,000 | KBU 8010/6 SiC 120 0,55 |
| 95 | 10 | 25 | 1.10 | 62 | 004494 | 4,800–7,800 | 12,000 | KBU 9510/6 SiC 120 1,10 |

**Ceramic oxide grain (CO) plastic filament**

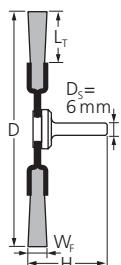
|    |    |    |      |    |        |             |        |                        |
|----|----|----|------|----|--------|-------------|--------|------------------------|
| 70 | 10 | 15 | 0.55 | 58 | 004463 | 6,000–9,800 | 15,000 | KBU 7010/6 CO 120 0,55 |
| 80 | 10 | 20 | 0.55 | 62 | 004487 | 4,800–7,800 | 12,000 | KBU 8010/6 CO 120 0,55 |
| 95 | 10 | 25 | 1.10 | 62 | 004500 | 4,800–7,800 | 12,000 | KBU 9510/6 CO 120 1,10 |





# Shank mounted wheel brushes

## crimped



### RBU

Universally suitable for cleaning, derusting, smoothing, cleaning of weld seams, light deburring, and removal of corrosion and paint.

#### Advantages:

- Highly flexible, enabling optimal adjustment to the workpiece contour.

#### Ordering notes:

- For POS type, please add "POS" to the description.

#### Recommendations for use:

- For the best results, use a tool drive with a minimum output of 300 watts.

| D<br>[mm] | W <sub>F</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>F</sub><br>[mm] | H<br>[mm] | Packaging      | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|-----------|----------------|-------------|-------------|-------------|
|           |                        |                        |                        |           | 10x<br>1<br>10 |             |             | EAN 4007220 |

#### Steel wire (ST)

|     |    |    |      |    |        |        |               |        |                     |
|-----|----|----|------|----|--------|--------|---------------|--------|---------------------|
| 20  | 4  | 3  | 0.20 | 37 | -      | 152980 | 10,000–15,000 | 20,000 | RBU 2004/6 ST 0,20  |
| 30  | 6  | 7  | 0.20 | 40 | 531808 | 153017 | 10,000–15,000 | 20,000 | RBU 3006/6 ST 0,20  |
|     | 9  | 7  | 0.20 | 42 | -      | 899250 | 10,000–15,000 | 20,000 | RBU 3009/6 ST 0,20  |
| 40  | 9  | 9  | 0.20 | 46 | -      | 153048 | 9,000–13,500  | 18,000 | RBU 4009/6 ST 0,20  |
| 50  | 4  | 9  | 0.20 | 41 | -      | 806593 | 7,500–11,300  | 15,000 | RBU 5004/6 ST 0,20  |
|     | 10 | 13 | 0.20 | 50 | -      | 104767 | 7,500–11,300  | 15,000 | RBU 5010/6 ST 0,20  |
|     | 15 | 13 | 0.20 | 50 | 531822 | 153079 | 7,500–11,300  | 15,000 | RBU 5015/6 ST 0,20  |
| 60  | 10 | 15 | 0.20 | 50 | -      | 104781 | 7,500–11,300  | 15,000 | RBU 6010/6 ST 0,20  |
|     | 15 | 15 | 0.20 | 50 | -      | 658437 | 7,500–11,300  | 15,000 | RBU 6015/6 ST 0,20  |
| 70  | 4  | 9  | 0.20 | 41 | -      | 806609 | 7,500–11,300  | 15,000 | RBU 7004/6 ST 0,20  |
|     | 10 | 19 | 0.30 | 50 | -      | 658444 | 7,500–11,300  | 15,000 | RBU 7010/6 ST 0,30  |
|     | 15 | 19 | 0.30 | 50 | 894606 | 153109 | 7,500–11,300  | 15,000 | RBU 7015/6 ST 0,30  |
| 80  | 4  | 10 | 0.20 | 41 | -      | 806616 | 6,000–9,000   | 12,000 | RBU 8004/6 ST 0,20  |
|     | 15 | 19 | 0.30 | 50 | -      | 153130 | 6,000–9,000   | 12,000 | RBU 8015/6 ST 0,30  |
| 100 | 10 | 25 | 0.30 | 50 | 894613 | 658451 | 6,000–9,000   | 12,000 | RBU 10010/6 ST 0,30 |

#### Stainless steel wire (INOX)

|     |    |    |      |    |        |        |              |        |                       |
|-----|----|----|------|----|--------|--------|--------------|--------|-----------------------|
| 20  | 4  | 3  | 0.20 | 37 | -      | 153000 | 8,000–13,000 | 20,000 | RBU 2004/6 INOX 0,20  |
| 30  | 6  | 7  | 0.20 | 40 | 531884 | 153031 | 8,000–13,000 | 20,000 | RBU 3006/6 INOX 0,20  |
|     | 9  | 7  | 0.20 | 42 | -      | 899267 | 8,000–13,000 | 20,000 | RBU 3009/6 INOX 0,20  |
| 40  | 9  | 9  | 0.20 | 46 | -      | 153062 | 7,200–11,700 | 18,000 | RBU 4009/6 INOX 0,20  |
| 50  | 4  | 9  | 0.20 | 41 | -      | 806623 | 6,000–9,800  | 15,000 | RBU 5004/6 INOX 0,20  |
|     | 10 | 13 | 0.20 | 50 | -      | 104774 | 6,000–9,800  | 15,000 | RBU 5010/6 INOX 0,20  |
|     | 15 | 13 | 0.20 | 50 | 531891 | 153093 | 6,000–9,800  | 15,000 | RBU 5015/6 INOX 0,20  |
| 60  | 10 | 15 | 0.20 | 50 | -      | 104798 | 6,000–9,800  | 15,000 | RBU 6010/6 INOX 0,20  |
|     | 15 | 15 | 0.20 | 50 | -      | 658468 | 6,000–9,800  | 15,000 | RBU 6015/6 INOX 0,20  |
| 70  | 4  | 9  | 0.20 | 41 | -      | 806630 | 6,000–9,800  | 15,000 | RBU 7004/6 INOX 0,20  |
|     | 10 | 19 | 0.20 | 50 | -      | 597835 | 6,000–9,800  | 15,000 | RBU 7010/6 INOX 0,20  |
|     | 15 | 19 | 0.15 | 50 | -      | 597842 | 6,000–9,800  | 15,000 | RBU 7015/6 INOX 0,15  |
|     | 15 | 19 | 0.30 | 50 | 894620 | 153123 | 6,000–9,800  | 15,000 | RBU 7015/6 INOX 0,30  |
| 80  | 4  | 10 | 0.20 | 41 | -      | 806647 | 4,800–7,800  | 12,000 | RBU 8004/6 INOX 0,20  |
|     | 10 | 19 | 0.20 | 50 | -      | 578919 | 4,800–7,800  | 12,000 | RBU 8010/6 INOX 0,20  |
|     | 15 | 19 | 0.15 | 50 | -      | 597859 | 4,800–7,800  | 12,000 | RBU 8015/6 INOX 0,15  |
|     | 15 | 19 | 0.30 | 50 | -      | 153154 | 4,800–7,800  | 12,000 | RBU 8015/6 INOX 0,30  |
| 100 | 10 | 25 | 0.30 | 50 | 894637 | 658475 | 4,800–7,800  | 12,000 | RBU 10010/6 INOX 0,30 |

#### Brass wire (MES)

|    |    |    |      |    |   |        |              |        |                     |
|----|----|----|------|----|---|--------|--------------|--------|---------------------|
| 20 | 4  | 3  | 0.20 | 37 | - | 152997 | 8,000–13,000 | 20,000 | RBU 2004/6 MES 0,20 |
| 30 | 6  | 7  | 0.20 | 40 | - | 153024 | 8,000–13,000 | 20,000 | RBU 3006/6 MES 0,20 |
| 40 | 9  | 9  | 0.20 | 46 | - | 153055 | 7,200–11,700 | 18,000 | RBU 4009/6 MES 0,20 |
| 50 | 15 | 13 | 0.20 | 50 | - | 153086 | 6,000–9,800  | 15,000 | RBU 5015/6 MES 0,20 |
| 70 | 15 | 19 | 0.30 | 50 | - | 153116 | 6,000–9,800  | 15,000 | RBU 7015/6 MES 0,30 |
| 80 | 15 | 19 | 0.30 | 50 | - | 153147 | 4,800–7,800  | 12,000 | RBU 8015/6 MES 0,30 |

Continued on next page

| D<br>[mm] | W <sub>F</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>F</sub><br>[mm] | H<br>[mm] | Packaging   | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|-----------|---|-------------|-------------|-------------|
|           |                        |                        |                        |           | 10x<br> 1<br> 10<br>EAN 4007220 |             |             |             |

#### Silicon carbide (SiC) plastic filament

|    |    |    |      |    |        |        |             |                                |
|----|----|----|------|----|--------|--------|-------------|--------------------------------|
| 50 | 4  | 10 | 0.55 | 50 | -      | 936511 | 6,000–9,800 | 15,000 RBU 5004/6 SiC 120 0,55 |
| 50 | 10 | 13 | 0.90 | 50 | -      | 104750 | 6,000–9,800 | 15,000 RBU 5010/6 SiC 180 0,90 |
|    | 15 | 13 | 0.90 | 50 | 531945 | 220610 | 6,000–9,800 | 15,000 RBU 5015/6 SiC 180 0,90 |
| 70 | 8  | 19 | 0.55 | 50 | -      | 936528 | 6,000–9,800 | 15,000 RBU 7008/6 SiC 120 0,55 |
|    | 15 | 19 | 0.90 | 50 | 894644 | 220627 | 6,000–9,800 | 15,000 RBU 7015/6 SiC 180 0,90 |
| 80 | 8  | 19 | 0.55 | 50 | -      | 936535 | 4,800–7,800 | 12,000 RBU 8008/6 SiC 120 0,55 |
|    | 15 | 19 | 0.90 | 50 | -      | 220634 | 4,800–7,800 | 12,000 RBU 8015/6 SiC 180 0,90 |

#### Ceramic oxide grain (CO) plastic filament

|    |    |    |      |    |   |        |             |                               |
|----|----|----|------|----|---|--------|-------------|-------------------------------|
| 50 | 4  | 10 | 0.55 | 50 | - | 936542 | 6,000–9,800 | 15,000 RBU 5004/6 CO 120 0,55 |
| 50 | 15 | 13 | 1.10 | 50 | - | 899342 | 6,000–9,800 | 15,000 RBU 5015/6 CO 120 1,10 |
|    | 15 | 13 | 1.10 | 50 | - | 936559 | 6,000–9,800 | 15,000 RBU 7008/6 CO 120 0,55 |
| 70 | 8  | 19 | 0.55 | 50 | - | 899359 | 6,000–9,800 | 15,000 RBU 7015/6 CO 120 1,10 |
|    | 15 | 19 | 1.10 | 50 | - | 936566 | 4,800–7,800 | 12,000 RBU 8008/6 CO 120 0,55 |
| 80 | 8  | 19 | 0.55 | 50 | - | 899366 | 4,800–7,800 | 12,000 RBU 8015/6 CO 120 1,10 |
|    | 15 | 19 | 1.10 | 50 | - |        |             |                               |

#### RBV, encapsulated

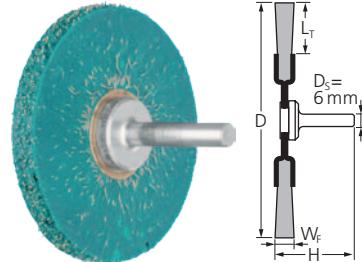
Suitable for medium-duty brushing such as deburring, cleaning and derusting.

##### Advantages:

- Focused working thanks to high dimensional stability.

##### Recommendations for use:

- For the best results, use a tool drive with a minimum output of 300 watts.



| D<br>[mm] | W <sub>F</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>F</sub><br>[mm] | H<br>[mm] | Packaging  | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|-----------|--|-------------|-------------|-------------|
|           |                        |                        |                        |           | 1<br> EAN 4007220 |             |             |             |

#### Steel wire (ST)

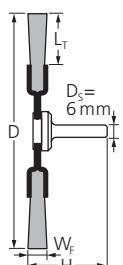
ST = brass-plated steel wire

|    |   |    |      |    |        |              |        |                    |
|----|---|----|------|----|--------|--------------|--------|--------------------|
| 63 | 7 | 20 | 0.30 | 40 | 220955 | 7,500–11,300 | 15,000 | RBV 6307/6 ST 0,30 |
|----|---|----|------|----|--------|--------------|--------|--------------------|





# Shank mounted wheel brushes knotted



## RBG

Aggressive brush for cleaning, derusting and work on weld seams.



### Advantages:

- Optimal access to hard-to-reach areas such as grooves and recesses.
- Aggressive brushing effect due to the very stiff wire knots.

### Recommendations for use:

- For the best results, use a tool drive with a minimum output of 500 watts.

### Ordering notes:

- For POS type, please add "POS" to the description.

| D<br>[mm]              | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>f</sub><br>[mm] | H<br>[mm] | Knots<br>[pcs.] | Packaging |   | Opt.<br>RPM | Max.<br>RPM | Description |
|------------------------|------------------------|------------------------|------------------------|-----------|-----------------|-----------|---|-------------|-------------|-------------|
|                        |                        |                        |                        |           |                 | 10x       | 1 |             |             |             |
| <b>Steel wire (ST)</b> |                        |                        |                        |           |                 |           |   |             |             |             |

|     |    |      |      |    |    |        |        |               |        |                     |
|-----|----|------|------|----|----|--------|--------|---------------|--------|---------------------|
| 76  | 6  | 16   | 0.35 | 42 | 18 | 531969 | 153161 | 12,500–18,800 | 25,000 | RBG 7006/6 ST 0,35  |
|     | 6  | 16   | 0.50 | 42 | 18 | 894569 | 530177 | 12,500–18,800 | 25,000 | RBG 7006/6 ST 0,50  |
|     | 12 | 16   | 0.35 | 42 | 18 | -      | 658482 | 12,500–18,800 | 25,000 | RBG 7012/6 ST 0,35  |
|     | 12 | 16   | 0.50 | 42 | 18 | -      | 658680 | 12,500–18,800 | 25,000 | RBG 7012/6 ST 0,50  |
| 100 | 12 | 19   | 0.35 | 42 | 22 | -      | 530351 | 10,000–15,000 | 20,000 | RBG 10012/6 ST 0,35 |
|     |    | 0.50 |      | 42 | 22 | -      | 530399 | 10,000–15,000 | 20,000 | RBG 10012/6 ST 0,50 |

### Stainless steel wire (INOX)

All INOX brushes are degreased.

|     |    |      |      |    |    |        |        |               |        |                       |
|-----|----|------|------|----|----|--------|--------|---------------|--------|-----------------------|
| 76  | 6  | 16   | 0.35 | 42 | 18 | 531976 | 220641 | 10,000–16,300 | 25,000 | RBG 7006/6 INOX 0,35  |
|     | 6  | 16   | 0.50 | 42 | 18 | -      | 530603 | 10,000–16,300 | 25,000 | RBG 7006/6 INOX 0,50  |
|     | 12 | 16   | 0.35 | 42 | 18 | -      | 658697 | 10,000–16,300 | 25,000 | RBG 7012/6 INOX 0,35  |
|     | 12 | 16   | 0.50 | 42 | 18 | -      | 659472 | 10,000–16,300 | 25,000 | RBG 7012/6 INOX 0,50  |
| 100 | 12 | 19   | 0.35 | 42 | 22 | -      | 530405 | 8,000–13,000  | 20,000 | RBG 10012/6 INOX 0,35 |
|     |    | 0.50 |      | 42 | 22 | -      | 530610 | 8,000–13,000  | 20,000 | RBG 10012/6 INOX 0,50 |

## Brush sets



## BSO

Set with different wheel, cup and end brushes with a 6 mm shank.

One BSO 5500 ST set contains 80 pieces:

- 10 x RBU 3006/6 ST 0,20
- 10 x RBU 4009/6 ST 0,20
- 10 x RBU 5015/6 ST 0,20
- 10 x RBU 7015/6 ST 0,30
- 10 x TBU 5010/6 ST 0,30
- 10 x PBU 1010/6 ST 0,35
- 10 x PBU 1516/6 ST 0,35
- 10 x PBU 2020/6 ST 0,50

One BSO 5600 ST set contains 23 pieces:

- 4 x TBU 5010/6 ST 0,30
- 10 x PBU 2020/6 ST 0,50
- 5 x RBU 5015/6 ST 0,20
- 4 x RBG 7006/6 ST 0,35

One BSO 5600 INOX set contains 23 pieces:

- 4 x TBU 5010/6 INOX 0,30
- 10 x PBU 2020/6 INOX 0,50
- 5 x RBU 5015/6 INOX 0,20
- 4 x RBG 7006/6 INOX 0,35

### Advantages:

- Selection of the most common types.
- Promotional display box.

| EAN<br>4007220 | IP | Description   |
|----------------|----|---------------|
| 220962         | 1  | BSO 5500 ST   |
| 808368         | 1  | BSO 5600 ST   |
| 808375         | 1  | BSO 5600 INOX |



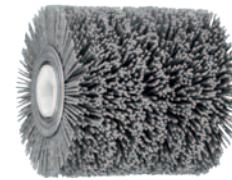
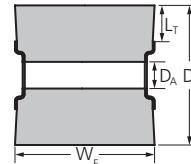
## WBU, for burnishing machines

Excellent for surface structuring work on workpieces with large surfaces.

The special wire construction with cord wire filament (LIT) is particularly suitable for heavy-duty brushing and aggressive brushing.

### Advantages:

- Can be used with all common burnishing machines thanks to the arbor hole with 4 keyways.



| D<br>[mm] | W <sub>F</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>A</sub><br>[mm] | D <sub>F</sub><br>[mm] | Packaging        | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|------------------------|------------------|-------------|-------------|-------------|
|           |                        |                        |                        |                        | 1<br>EAN 4007220 |             |             |             |

### Steel wire (LIT, ST)

LIT ST = stranded, brass-plated steel wire

|     |     |    |      |      |        |             |       |                             |
|-----|-----|----|------|------|--------|-------------|-------|-----------------------------|
| 100 | 100 | 26 | 19.1 | 0.27 | 773086 | 3,000–4,500 | 6,000 | WBU 100100/19,1 LIT ST 0,27 |
|-----|-----|----|------|------|--------|-------------|-------|-----------------------------|

### Stainless steel wire (INOX)

|     |     |    |      |      |        |             |       |                           |
|-----|-----|----|------|------|--------|-------------|-------|---------------------------|
| 100 | 100 | 26 | 19.1 | 0.20 | 773079 | 2,400–3,900 | 6,000 | WBU 100100/19,1 INOX 0,20 |
|-----|-----|----|------|------|--------|-------------|-------|---------------------------|

### Silicon carbide (SiC) plastic filament

|     |     |    |      |      |        |             |       |                             |
|-----|-----|----|------|------|--------|-------------|-------|-----------------------------|
| 100 | 100 | 26 | 19.1 | 1.27 | 773062 | 2,400–3,900 | 6,000 | WBU 100100/19,1 SiC 80 1,27 |
|-----|-----|----|------|------|--------|-------------|-------|-----------------------------|



For detailed information and ordering data on other drum tools and roller sets, please refer to catalogue section 4.



For detailed information and ordering data on matching drum grinders, please refer to catalogue section 9.





# INOX-TOTAL

## General information

In addition to brushes with a stainless steel filament, PFERD also offers brushes of the INOX-TOTAL type for work on stainless steel (INOX). It is particularly well suited to use in extremely critical environments.

Further information about working with stainless steel (INOX) and PFERD INOX-TOTAL brushes can be found on page 10.

### Advantages:

- Optimum protection against corrosion as all components are produced from stainless steel (INOX) in quality 1.4310 (V2A).

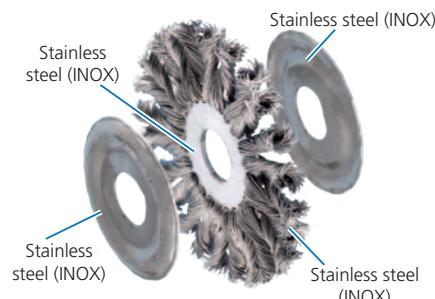


More PFERD tools and many valuable recommendations for working with stainless steel (INOX) can be found in our PRAXIS brochure "PFERD tools for use on stainless steel (INOX)". Please contact us for further details.

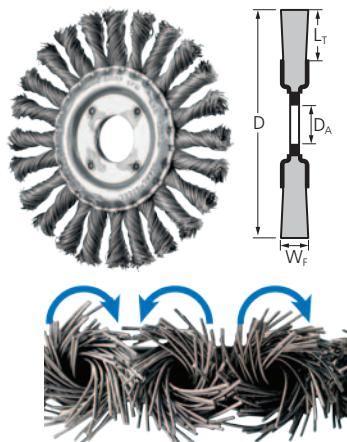
### Industries:

- Chemical and plant manufacturing
- Foodstuff industry
- Nuclear industry

### Structure of a wheel brush with arbor hole INOX-TOTAL



## Wheel brushes



### RBGIT CT, COMBITWIST / RBGIT PIPE CT, Pipeline, COMBITWIST

**RBGIT CT:** Very aggressive brush. Suitable for heavy-duty brushing such as removal of heat discolouration, deburring, cleaning of weld seams and removal of adhesive residues.

**RBGIT PIPE CT:** Very aggressive and robust brush that is able to withstand high mechanical loads. Perfect for heavy-duty brushing in pipeline and container construction.

### Advantages:

- Maximum economic efficiency due to the longest tool life and the highest stock removal.
- High level of comfort thanks to smooth running with no brush recoiling.
- Suitable for work on corners and edges as the knots are less likely to unravel.
- RBGIT PIPE CT: Extra-slim design enables optimal access to hard-to-reach areas such as root weld seams.

### Recommendations for use:

- For optimum results, use on powerful speed-adjustable angle grinders.

### PFERDVALUE:



| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>a</sub><br>[mm] | D <sub>f</sub><br>[mm] | Knots<br>[pcs.] | Packaging   |  | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|------------------------|-----------------|-------------|--|-------------|-------------|-------------|
|           |                        |                        |                        |                        | 1               | EAN 4007220 |  |             |             |             |

### Stainless steel wire (INOX) – COMBITWIST type

All INOX brushes are degreased.

|     |    |    |      |      |    |        |              |        |  |
|-----|----|----|------|------|----|--------|--------------|--------|--|
| 115 | 12 | 22 | 22.2 | 0.35 | 24 | 808528 | 5,000–12,500 | 12,500 | POS RBGIT 11512/22,2 CT INOX 0,35      |
|     | 6  | 21 | 22.2 | 0.50 | 36 | 808511 | 5,000–12,500 | 12,500 | POS RBGIT 11506/22,2 PIPE CT INOX 0,50 |



**Arbor BO 8/22,2 100-125**  
(EAN 4007220751930):

For knotted wheel brushes up to a diameter of 125 mm with a D<sub>a</sub> of 22.2 mm.

### For more information:

Detailed information on accessories can be found on pages 55 and 56.

### PBUI / PBGSIT, SINGLETWIST

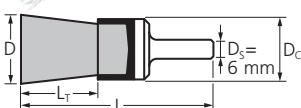
Suitable for light brushing such as deburring, cleaning, and removal of heat discolouration.

#### Advantages:

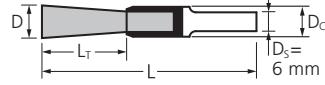
**PBUI:** Optimal access to hard-to-reach areas such as drilled holes and cavities as the wires spread out upon rotation.

**PBGSIT:** Optimal access to hard-to-reach areas such as inside corners as the knot is less likely to unravel.

PBUI



PBGSIT



| D<br>[mm] | D <sub>c</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>f</sub><br>[mm] | L<br>[mm] | Packaging   | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|-----------|---|-------------|-------------|-------------|
|           |                        |                        |                        |           | <br>EAN<br>4007220 |             |             |             |

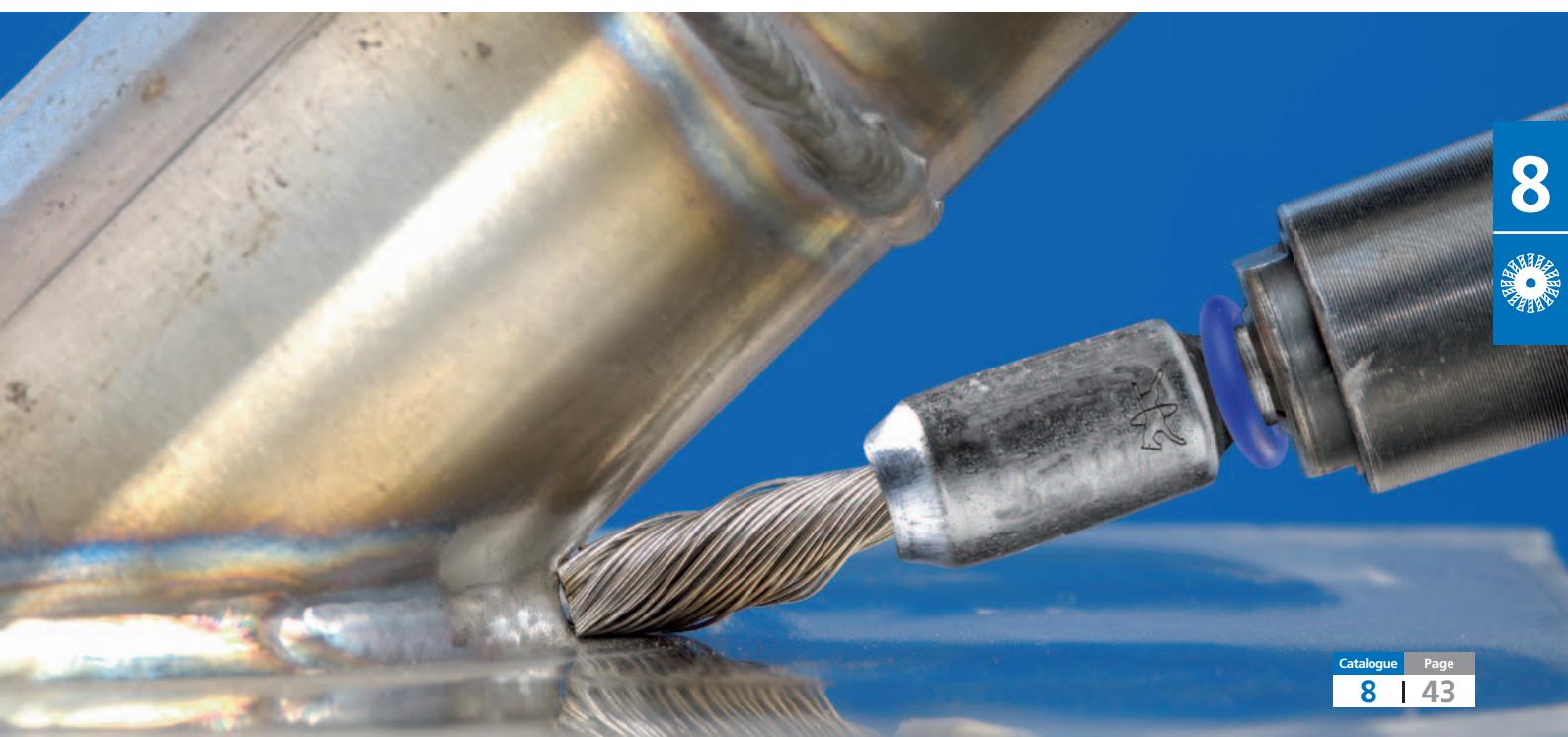
#### Stainless steel wire (INOX)

All INOX brushes are degreased.  
crimped

|    |    |    |      |    |        |              |        |                       |
|----|----|----|------|----|--------|--------------|--------|-----------------------|
| 15 | 16 | 22 | 0.15 | 65 | 808382 | 7,200–11,700 | 18,000 | PBUI 1516/6 INOX 0,15 |
|    |    |    | 0.20 | 65 | 808399 | 7,200–11,700 | 18,000 | PBUI 1516/6 INOX 0,20 |
| 20 | 22 | 25 | 0.15 | 70 | 808405 | 7,200–11,700 | 18,000 | PBUI 2022/6 INOX 0,15 |
|    |    |    | 0.20 | 70 | 808412 | 7,200–11,700 | 18,000 | PBUI 2022/6 INOX 0,20 |

knotted – SINGLETWIST knot

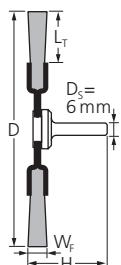
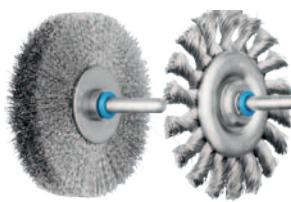
|    |    |    |      |    |        |             |        |                         |
|----|----|----|------|----|--------|-------------|--------|-------------------------|
| 10 | 10 | 25 | 0.20 | 65 | 808429 | 4,000–6,500 | 10,000 | PBGSIT 1010/6 INOX 0,20 |
|    |    |    | 0.35 | 65 | 808436 | 4,000–6,500 | 10,000 | PBGSIT 1010/6 INOX 0,35 |





# INOX-TOTAL

Shank mounted wheel brushes



## RBUIT / RBGIT

Universally suitable for cleaning, deburring, and removal of heat discolouration.

### Advantages:

- RBUIT:** Highly flexible, enabling optimal adjustment to the workpiece contour.

- RBGIT:** Aggressive brushing effect due to the very stiff wire knots.

| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>f</sub><br>[mm] | Knots<br>[pcs.] | H<br>[mm] | Packaging | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|-----------------|-----------|-----------|-------------|-------------|-------------|
|           |                        |                        |                        |                 |           | 10        |             |             | EAN 4007220 |

### Stainless steel wire (INOX)

All INOX brushes are degreased.  
crimped

|    |    |    |      |   |    |        |              |        |                        |
|----|----|----|------|---|----|--------|--------------|--------|------------------------|
| 30 | 6  | 7  | 0.20 | - | 40 | 808443 | 8,000–13,000 | 20,000 | RBUIT 3006/6 INOX 0,20 |
| 50 | 15 | 13 | 0.20 | - | 50 | 808450 | 6,000–9,800  | 15,000 | RBUIT 5015/6 INOX 0,20 |
| 70 | 15 | 19 | 0.15 | - | 50 | 808467 | 6,000–9,800  | 15,000 | RBUIT 7015/6 INOX 0,15 |
|    |    |    | 0.30 | - | 50 | 808474 | 6,000–9,800  | 15,000 | RBUIT 7015/6 INOX 0,30 |
| 80 | 15 | 19 | 0.15 | - | 50 | 808481 | 4,800–7,800  | 12,000 | RBUIT 8015/6 INOX 0,15 |
|    |    |    | 0.30 | - | 50 | 808498 | 4,800–7,800  | 12,000 | RBUIT 8015/6 INOX 0,30 |

knotted

|    |   |    |      |    |    |        |               |        |                        |
|----|---|----|------|----|----|--------|---------------|--------|------------------------|
| 76 | 6 | 16 | 0.35 | 18 | 42 | 808504 | 10,000–16,300 | 25,000 | RBGIT 7006/6 INOX 0,35 |
|----|---|----|------|----|----|--------|---------------|--------|------------------------|

## Shank mounted bevel brushes



## KBUIT

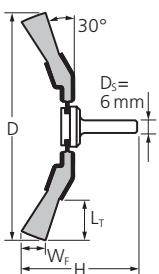
Excellent for medium-duty brushing such as deburring, cleaning, and removal of heat discolouration.

### Advantages:

- Optimal access to hard-to-reach areas such as inner edges, grooves and keyways.

### Recommendations for use:

- For the best results, use a tool drive with a minimum output of 300 watts.



| D<br>[mm] | W <sub>f</sub><br>[mm] | L <sub>t</sub><br>[mm] | D <sub>f</sub><br>[mm] | H<br>[mm] | Packaging | Opt.<br>RPM | Max.<br>RPM | Description |
|-----------|------------------------|------------------------|------------------------|-----------|-----------|-------------|-------------|-------------|
|           |                        |                        |                        |           | 10        |             |             | EAN 4007220 |

### Stainless steel wire (INOX)

All INOX brushes are degreased.

|    |    |    |      |    |        |             |        |                        |
|----|----|----|------|----|--------|-------------|--------|------------------------|
| 50 | 10 | 10 | 0.20 | 49 | 936474 | 6,000–9,800 | 15,000 | KBUIT 5010/6 INOX 0,20 |
| 70 | 10 | 15 | 0.15 | 58 | 936481 | 6,000–9,800 | 15,000 | KBUIT 7010/6 INOX 0,15 |
|    |    |    | 0.20 | 58 | 936498 | 6,000–9,800 | 15,000 | KBUIT 7010/6 INOX 0,20 |
| 80 | 10 | 20 | 0.30 | 62 | 936504 | 4,800–7,800 | 12,000 | KBUIT 8010/6 INOX 0,30 |

PFERD offers a wide range of miniature brushes for precision work. These can be used on flexible shaft drives, micro motors or electric grinders.

### Advantages:

- Outstanding precision and efficiency in work on delicate workpieces.

### Industries:

- Medical equipment
- Jewellery sector
- Electronics industry
- Aerospace industry
- Tool and mould construction



End brushes, crimped

### PBU

Suitable for light brushing such as deburring, cleaning and polishing.

#### Advantages:

- Optimal access to hard-to-reach areas such as drilled holes and cavities as the wires spread out upon rotation.

#### Recommendations for use:

- Use brushes with natural filaments with polishing paste to achieve the optimum polishing result. Detailed information and ordering data on polishing pastes can be found in catalogue section 4.

#### Ordering notes:

- Please complete the description with the desired shank diameter ( $D_s$ ).
- Grit size DIA 400 = D 46

#### Accessories:

- Polishing pastes



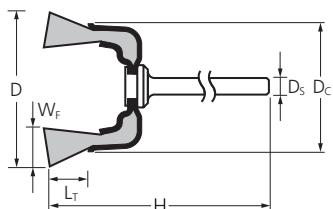
| D<br>[mm]                                     | D <sub>c</sub><br>[mm] | L <sub>T</sub><br>[mm] | D <sub>F</sub><br>[mm] | L<br>[mm] | D <sub>s</sub> [mm] |        | Opt.<br>RPM  | Max.<br>RPM | IP | Description               |  |  |  |
|---|------------------------|------------------------|------------------------|-----------|---------------------|--------|--------------|-------------|----|---------------------------|--|--|--|
|   |                        |                        |                        |           | 2.34                | 3      |              |             |    |                           |  |  |  |
|   |                        |                        |                        |           | EAN 4007220         |        |              |             |    |                           |  |  |  |
| <b>Steel wire (ST)</b>                        |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | 0.10                   | 45        | 032855              | 032978 | 5,000–15,000 | 25,000      | 10 | PBU 0505/... ST 0,10      |  |  |  |
| <b>Stainless steel wire (INOX)</b>            |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | 0.10                   | 45        | 032879              | 032985 | 4,000–10,000 | 25,000      | 10 | PBU 0505/... INOX 0,10    |  |  |  |
| <b>Brass wire (MES)</b>                       |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | 0.10                   | 45        | 032886              | 032992 | 4,000–10,000 | 25,000      | 10 | PBU 0505/... MES 0,10     |  |  |  |
| <b>Silicon carbide (SiC) plastic filament</b> |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | 0.55                   | 45        | 032954              | 033067 | 1,200–5,000  | 25,000      | 10 | PBU 0505/... SiC 320 0,55 |  |  |  |
|   |                        |                        | 0.25                   | 45        | 032961              | 033074 | 1,200–5,000  | 25,000      | 10 | PBU 0505/... SiC 800 0,25 |  |  |  |
| <b>Aluminium oxide (AO) plastic filament</b>  |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | 0.50                   | 45        | 032947              | 033050 | 1,200–5,000  | 25,000      | 10 | PBU 0505/... AO 320 0,50  |  |  |  |
|   |                        |                        | 0.30                   | 45        | 032930              | 033043 | 1,200–5,000  | 25,000      | 10 | PBU 0505/... AO 600 0,30  |  |  |  |
| <b>Diamond (DIA) plastic filament</b>         |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | 0.40                   | 45        | -                   | 072844 | 1,200–5,000  | 25,000      | 10 | PBU 0505/... DIA 400 0,40 |  |  |  |
| <b>Nylon plastic filament</b>                 |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | 0.20                   | 45        | 032923              | 033036 | 1,200–5,000  | 25,000      | 10 | PBU 0505/... Nylon 0,20   |  |  |  |
| <b>Natural bristles white (SBW)</b>           |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | -                      | 45        | 032893              | 033005 | 4,000–10,000 | 25,000      | 10 | PBU 0505/... SBW          |  |  |  |
| <b>Natural bristles black (SBS)</b>           |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | -                      | 45        | 032909              | 033012 | 4,000–10,000 | 25,000      | 10 | PBU 0505/... SBS          |  |  |  |
| <b>Natural bristles goat hair (ZHW)</b>       |                        |                        |                        |           |                     |        |              |             |    |                           |  |  |  |
| 5   | 5                      | 8                      | -                      | 45        | 032916              | 033029 | 4,000–10,000 | 25,000      | 10 | PBU 0505/... ZHW          |  |  |  |

Brushes with a shank diameter of 3.18 mm are available on request.



# Miniature brushes

## Cup brushes, crimped



### TBU

Suitable for light brushing such as deburring, cleaning and polishing. Particularly suitable for brushing on small surfaces due to face-down use with the entire brush face applied to the workpiece.



#### Advantages:

- Highly flexible, enabling optimal adjustment to the workpiece contour.

#### Recommendations for use:

- Use brushes with natural filaments with polishing paste to achieve the optimum polishing result. Detailed information and ordering data on polishing pastes can be found in catalogue section 4.

#### Ordering notes:

- Please complete the description with the desired shank diameter ( $D_s$ ).
- Grit size DIA 400 = D 46

#### Accessories:

- Polishing pastes

| D<br>[mm]                                     | Dc<br>[mm] | Wf<br>[mm] | Lt<br>[mm] | Df<br>[mm] | H<br>[mm] | Ds [mm] |        | Opt.<br>RPM  | Max.<br>RPM | IP | Description               |
|---|------------|------------|------------|------------|-----------|---------|--------|--------------|-------------|----|---------------------------|
|   |            |            |            |            |           | 2.34    | 3      |              |             |    |                           |
| EAN 4007220                                   |            |            |            |            |           |         |        |              |             |    |                           |
| <b>Steel wire (ST)</b>                        |            |            |            |            |           |         |        |              |             |    |                           |
| 15  | 8          | 3          | 5          | 0.10       | 45        | 033081  | 033289 | 5,000–10,000 | 20,000      | 10 | TBU 1503/... ST 0,10      |
| 18  | 10         | 3          | 6          | 0.10       | 45        | 033098  | 033296 | 5,000–10,000 | 18,000      | 10 | TBU 1803/... ST 0,10      |
| <b>Stainless steel wire (INOX)</b>            |            |            |            |            |           |         |        |              |             |    |                           |
| 15  | 8          | 3          | 5          | 0.10       | 45        | 033104  | 033302 | 4,000–10,000 | 20,000      | 10 | TBU 1503/... INOX 0,10    |
| 18  | 10         | 3          | 6          | 0.10       | 45        | 033111  | 033319 | 4,000–10,000 | 18,000      | 10 | TBU 1803/... INOX 0,10    |
| <b>Brass wire (MES)</b>                       |            |            |            |            |           |         |        |              |             |    |                           |
| 15  | 8          | 3          | 5          | 0.10       | 45        | 033128  | 033326 | 4,000–10,000 | 20,000      | 10 | TBU 1503/... MES 0,10     |
| 18  | 10         | 3          | 6          | 0.10       | 45        | 033135  | 033333 | 4,000–10,000 | 18,000      | 10 | TBU 1803/... MES 0,10     |
| <b>Silicon carbide (SiC) plastic filament</b> |            |            |            |            |           |         |        |              |             |    |                           |
| 18  | 10         | 3          | 6          | 0.55       | 45        | 033265  | 033456 | 1,200–5,000  | 18,000      | 10 | TBU 1803/... SiC 320 0,55 |
|   |            |            |            | 0.25       | 45        | 033272  | 033463 | 1,200–5,000  | 18,000      | 10 | TBU 1803/... SiC 800 0,25 |
| <b>Aluminium oxide (AO) plastic filament</b>  |            |            |            |            |           |         |        |              |             |    |                           |
| 18  | 10         | 3          | 6          | 0.50       | 45        | 033258  | 033449 | 1,200–5,000  | 18,000      | 10 | TBU 1803/... AO 320 0,50  |
|   |            |            |            | 0.30       | 45        | 033241  | 033432 | 1,200–5,000  | 18,000      | 10 | TBU 1803/... AO 600 0,30  |
| <b>Diamond (DIA) plastic filament</b>         |            |            |            |            |           |         |        |              |             |    |                           |
| 18  | 10         | 3          | 6          | 0.40       | 45        | -       | 072950 | 4,000–10,000 | 18,000      | 10 | TBU 1803/... DIA 400 0,40 |
| <b>Nylon plastic filament</b>                 |            |            |            |            |           |         |        |              |             |    |                           |
| 15  | 8          | 3          | 5          | 0.15       | 45        | 033203  | 033388 | 1,200–5,000  | 20,000      | 10 | TBU 1503/... Nylon 0,15   |
| 18  | 10         | 3          | 6          | 0.15       | 45        | 033210  | 033395 | 1,200–5,000  | 18,000      | 10 | TBU 1803/... Nylon 0,15   |
| <b>Natural bristles white (SBW)</b>           |            |            |            |            |           |         |        |              |             |    |                           |
| 15  | 8          | 3          | 5          | -          | 45        | 033142  | 033340 | 4,000–10,000 | 20,000      | 10 | TBU 1503/... SBW          |
| 18  | 10         | 3          | 6          | -          | 45        | 033159  | 033357 | 4,000–10,000 | 18,000      | 10 | TBU 1803/... SBW          |
| <b>Natural bristles black (SBS)</b>           |            |            |            |            |           |         |        |              |             |    |                           |
| 15  | 8          | 3          | 5          | -          | 45        | 033166  | 033364 | 4,000–10,000 | 20,000      | 10 | TBU 1503/... SBS          |
| 18  | 10         | 3          | 6          | -          | 45        | 033173  | 033371 | 4,000–10,000 | 18,000      | 10 | TBU 1803/... SBS          |
| <b>Natural bristles goat hair (ZHW)</b>       |            |            |            |            |           |         |        |              |             |    |                           |
| 15  | 8          | 3          | 5          | -          | 45        | 033227  | 033418 | 4,000–10,000 | 20,000      | 10 | TBU 1503/... ZHW          |
| 18  | 10         | 3          | 6          | -          | 45        | 033234  | 033425 | 4,000–10,000 | 18,000      | 10 | TBU 1803/... ZHW          |

Brushes with a shank diameter of 3.18 mm are available on request.



### RBU

Suitable for light brushing such as deburring, cleaning and polishing.



#### Advantages:

- Enables focused working in hard-to-reach areas.

#### Recommendations for use:

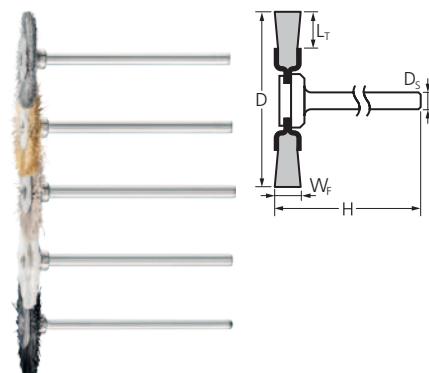
- Use brushes with natural filaments with polishing paste to achieve the optimum polishing result. Detailed information and ordering data on polishing pastes can be found in catalogue section 4.

#### Ordering notes:

- Please complete the description with the desired shank diameter ( $D_s$ ).
- Grit size DIA 400 = D 46

#### Accessories:

- Polishing pastes



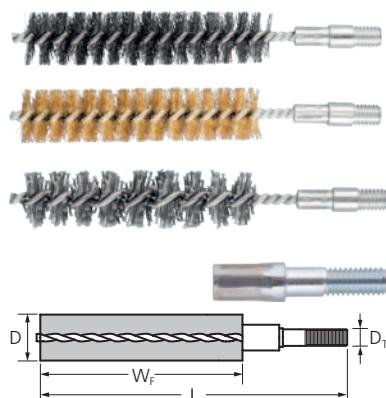
| D<br>[mm]                                     | W_F<br>[mm] | L_T<br>[mm] | D_F<br>[mm] | H<br>[mm] | D_s [mm]    |        | Opt.<br>RPM  | Max.<br>RPM |    | Description               |  |  |  |
|---|-------------|-------------|-------------|-----------|-------------|--------|--------------|-------------|----|---------------------------|--|--|--|
|   |             |             |             |           | 2.34        | 3      |              |             |    |                           |  |  |  |
|   |             |             |             |           | EAN 4007220 |        |              |             |    |                           |  |  |  |
| <b>Steel wire (ST)</b>                        |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 16  | 2           | 3           | 0.10        | 46        | 031957      | 032541 | 5,000–10,000 | 12,000      | 10 | RBU 1602/... ST 0,10      |  |  |  |
| 19  | 2           | 5           | 0.10        | 46        | 032022      | 032558 | 5,000–10,000 | 12,000      | 10 | RBU 1902/... ST 0,10      |  |  |  |
| 22  | 2           | 6           | 0.10        | 46        | 032244      | 032565 | 5,000–10,000 | 12,000      | 10 | RBU 2202/... ST 0,10      |  |  |  |
| 32  | 2           | 10          | 0.10        | 46        | -           | 107812 | 5,000–10,000 | 12,000      | 10 | RBU 3202/... ST 0,10      |  |  |  |
| <b>Stainless steel wire (INOX)</b>            |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 16  | 2           | 3           | 0.10        | 46        | 032251      | 032572 | 4,000–10,000 | 12,000      | 10 | RBU 1602/... INOX 0,10    |  |  |  |
| 19  | 2           | 5           | 0.10        | 46        | 032268      | 032589 | 4,000–10,000 | 12,000      | 10 | RBU 1902/... INOX 0,10    |  |  |  |
| 22  | 2           | 6           | 0.10        | 46        | 032275      | 032596 | 4,000–10,000 | 12,000      | 10 | RBU 2202/... INOX 0,10    |  |  |  |
| 32  | 2           | 10          | 0.10        | 46        | -           | 107829 | 4,000–10,000 | 12,000      | 10 | RBU 3202/... INOX 0,10    |  |  |  |
| <b>Brass wire (MES)</b>                       |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 16  | 2           | 3           | 0.10        | 46        | 032282      | 032619 | 4,000–10,000 | 12,000      | 10 | RBU 1602/... MES 0,10     |  |  |  |
| 19  | 2           | 5           | 0.10        | 46        | 032299      | 032626 | 4,000–10,000 | 12,000      | 10 | RBU 1902/... MES 0,10     |  |  |  |
| 22  | 2           | 6           | 0.10        | 46        | 032305      | 032602 | 4,000–10,000 | 12,000      | 10 | RBU 2202/... MES 0,10     |  |  |  |
| <b>Silicon carbide (SiC) plastic filament</b> |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 22  | 2           | 6           | 0.55        | 46        | 032527      | 032763 | 1,200–5,000  | 12,000      | 10 | RBU 2202/... SiC 320 0,55 |  |  |  |
|   |             |             | 0.25        | 46        | 032534      | 032770 | 1,200–5,000  | 12,000      | 10 | RBU 2202/... SiC 800 0,25 |  |  |  |
| <b>Aluminium oxide (AO) plastic filament</b>  |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 22  | 2           | 6           | 0.50        | 46        | 032510      | 032756 | 1,200–5,000  | 12,000      | 10 | RBU 2202/... AO 320 0,50  |  |  |  |
|   |             |             | 0.30        | 46        | 032497      | 032749 | 1,200–5,000  | 12,000      | 10 | RBU 2202/... AO 600 0,30  |  |  |  |
| <b>Diamond (DIA) plastic filament</b>         |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 22  | 2           | 6           | 0.40        | 46        | -           | 070628 | 1,200–5,000  | 12,000      | 10 | RBU 2202/... DIA 400 0,40 |  |  |  |
| <b>Nylon plastic filament</b>                 |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 22  | 2           | 6           | 0.15        | 46        | 032466      | 032718 | 1,200–5,000  | 12,000      | 10 | RBU 2202/... Nylon 0,15   |  |  |  |
| <b>Natural bristles white (SBW)</b>           |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 16  | 2           | 3           | -           | 46        | 032329      | 032633 | 4,000–10,000 | 12,000      | 10 | RBU 1602/... SBW          |  |  |  |
| 19  | 2           | 5           | -           | 46        | 032336      | 032640 | 4,000–10,000 | 12,000      | 10 | RBU 1902/... SBW          |  |  |  |
| 22  | 2           | 6           | -           | 46        | 032343      | 032657 | 4,000–10,000 | 12,000      | 10 | RBU 2202/... SBW          |  |  |  |
| <b>Natural bristles black (SBS)</b>           |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 16  | 2           | 3           | -           | 46        | 032350      | 032664 | 4,000–10,000 | 12,000      | 10 | RBU 1602/... SBS          |  |  |  |
| 19  | 2           | 5           | -           | 46        | 032367      | 032688 | 4,000–10,000 | 12,000      | 10 | RBU 1902/... SBS          |  |  |  |
| 22  | 2           | 6           | -           | 46        | 032374      | 032695 | 4,000–10,000 | 12,000      | 10 | RBU 2202/... SBS          |  |  |  |
| <b>Natural bristles goat hair (ZHW)</b>       |             |             |             |           |             |        |              |             |    |                           |  |  |  |
| 16  | 2           | 3           | -           | 46        | 032473      | 032725 | 4,000–10,000 | 12,000      | 10 | RBU 1602/... ZHW          |  |  |  |
| 22  | 2           | 6           | -           | 46        | 032480      | 032732 | 4,000–10,000 | 12,000      | 10 | RBU 2202/... ZHW          |  |  |  |

Brushes with a shank diameter of 3.18 mm are available on request.



# Tube brushes

## Tube brushes



### IBU, with thread

Particularly suitable for deburring and cleaning pipes, threads, coupling sleeves and cylinders.  
In addition to a thread, some versions also have a shank:

M6 thread = 6 mm shank  
3/8 thread = 10 mm shank

#### Advantages:

- Can be clamped in collets thanks to integrated shank.

#### Recommendations for use:

- Insert into the workpiece before it starts to rotate.
- Use with clockwise rotation.

#### Ordering notes:

- Brushes with an SiC filament have a filament material diameter of 1.00 mm.

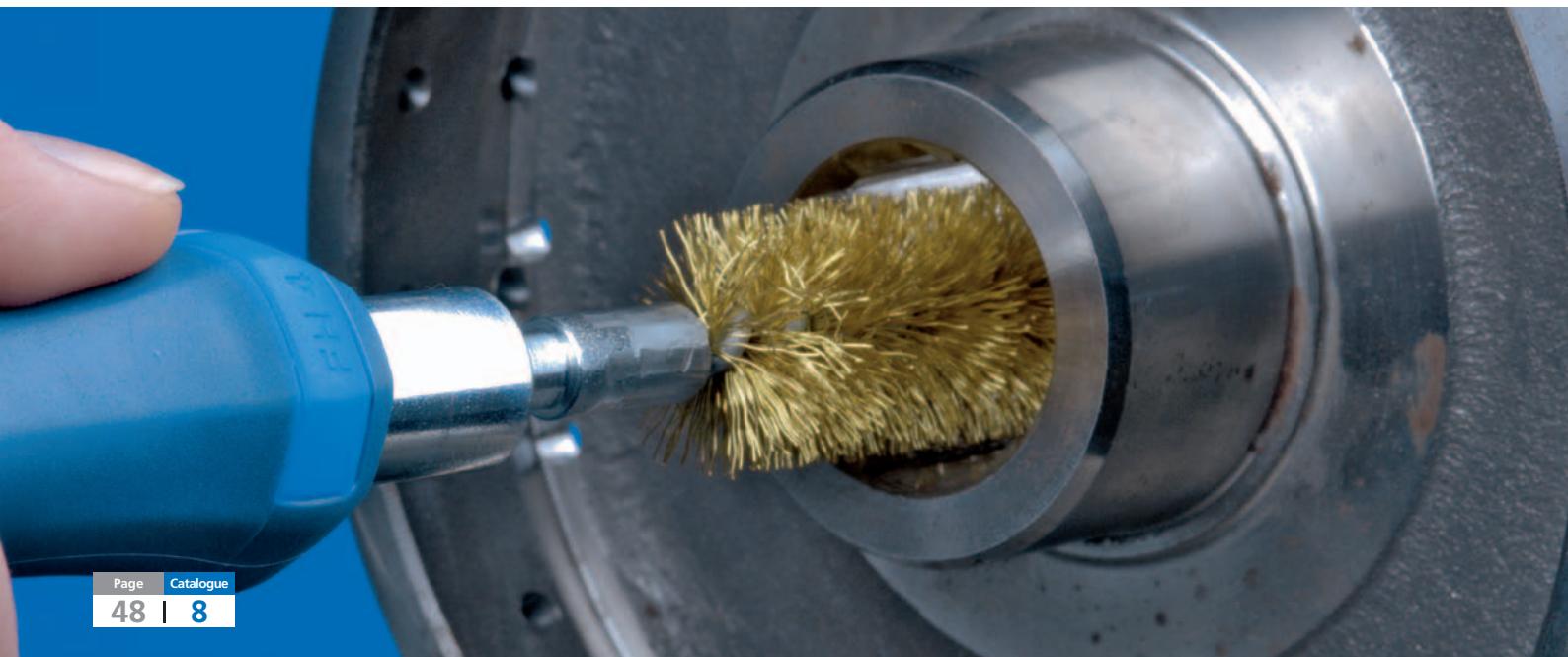
■ Please complete the description with the desired filament material and filament material diameter (D<sub>F</sub>).

■ BSW = British Standard Whitworth

#### Safety notes:

- When using tube brushes inside pipes, holes, grooves, etc., deviations from the specified maximum permitted rotational speed are possible in consultation with PFERD.

| D<br>[mm] | W <sub>f</sub><br>[mm] | D <sub>T</sub> | D <sub>F</sub><br>[mm] | L<br>[mm] | Filament material |        |        |         | Max.<br>RPM | IP | Description            |
|-----------|------------------------|----------------|------------------------|-----------|-------------------|--------|--------|---------|-------------|----|------------------------|
|           |                        |                |                        |           | Steel             | INOX   | Brass  | SiC 180 |             |    |                        |
|           |                        |                |                        |           | EAN 4007220       |        |        |         |             |    |                        |
| 8         | 80                     | M6             | 0.15                   | 120       | 659533            | 659540 | 659557 | 659564  | 1,000       | 10 | IBU 0880/M6 ...        |
| 10        | 80                     | M6             | 0.15                   | 120       | 659571            | 659588 | 659595 | 659601  | 1,000       | 10 | IBU 1080/M6 ...        |
| 12        | 80                     | M6             | 0.15                   | 120       | 659618            | 659625 | 659632 | 659649  | 1,000       | 10 | IBU 1280/M6 ...        |
| 13        | 80                     | M6             | 0.20                   | 120       | 660447            | 660454 | 660461 | 660478  | 1,000       | 10 | IBU 1380/M6 ...        |
| 15        | 80                     | M6             | 0.20                   | 120       | 660485            | 660515 | 660522 | 660539  | 1,000       | 10 | IBU 1580/M6 ...        |
| 16        | 80                     | M6             | 0.20                   | 120       | 660546            | 660553 | 660560 | 660577  | 1,000       | 10 | IBU 1680/M6 ...        |
| 18        | 80                     | M6             | 0.20                   | 120       | 660584            | 660591 | 660607 | 660614  | 1,000       | 10 | IBU 1880/M6 ...        |
| 20        | 80                     | M6             | 0.20                   | 120       | 660621            | 660638 | 660645 | 660652  | 1,000       | 10 | IBU 2080/M6 ...        |
| 22        | 100                    | 3/8            | 0.20                   | 170       | 660669            | 660676 | 660683 | 660690  | 1,000       | 10 | IBU 22100/3/8 BSW ...  |
| 25        | 100                    | 3/8            | 0.20                   | 170       | 660706            | 660713 | 660720 | 660737  | 1,000       | 10 | IBU 25100/3/8 BSW ...  |
| 30        | 100                    | 3/8            | 0.20                   | 170       | 660744            | 660751 | 660768 | 660775  | 1,000       | 10 | IBU 30100/3/8 BSW ...  |
| 32        | 100                    | 1/2            | 0.25                   | 170       | 749425            | 749449 | 749456 | -       | 1,000       | 10 | IBU 32100/1/2 BSW ...  |
| 38        | 100                    | 1/2            | 0.30                   | 170       | 749463            | 749470 | 749487 | -       | 1,000       | 10 | IBU 38100/1/2 BSW ...  |
| 40        | 100                    | 1/2            | 0.30                   | 170       | 749494            | 749500 | 749517 | -       | 1,000       | 10 | IBU 40100/1/2 BSW ...  |
| 44        | 100                    | 1/2            | 0.30                   | 170       | 749524            | 749531 | 749548 | -       | 1,000       | 10 | IBU 44100/1/2 BSW ...  |
| 50        | 100                    | 1/2            | 0.35                   | 170       | 749555            | -      | -      | -       | 1,000       | 5  | IBU 50100/1/2 BSW ...  |
| 57        | 100                    | 1/2            | 0.35                   | 170       | 749562            | -      | -      | -       | 1,000       | 5  | IBU 57100/1/2 BSW ...  |
| 63        | 100                    | 1/2            | 0.35                   | 170       | 749579            | -      | -      | -       | 1,000       | 5  | IBU 63100/1/2 BSW ...  |
| 69        | 100                    | 1/2            | 0.35                   | 170       | 749586            | -      | -      | -       | 1,000       | 5  | IBU 69100/1/2 BSW ...  |
| 75        | 100                    | 1/2            | 0.35                   | 170       | 749593            | -      | -      | -       | 1,000       | 1  | IBU 75100/1/2 BSW ...  |
| 82        | 100                    | 1/2            | 0.35                   | 170       | 749609            | -      | -      | -       | 1,000       | 1  | IBU 82100/1/2 BSW ...  |
| 101       | 100                    | 1/2            | 0.50                   | 170       | 749616            | -      | -      | -       | 1,000       | 1  | IBU 101100/1/2 BSW ... |





## Quick-change handle SWG

Suitable for manual work with tube brushes.

The SWG-6 quick-change handle can be used with all group 10 collets to clamp additional shank diameters. Detailed information and ordering data can be found in catalogue section 9 "Tool drives".

### Advantages:

- Comfortable to use thanks to ergonomic shape.

### Recommendations for use:

- Combine with the IBUV extensions in order to access hard-to-reach areas. The available length combinations can be found below.

### Ordering notes:

- Please complete the description with the desired thread.
- BSW = British Standard Whitworth

### PFERDVALUE:



| L<br>[mm] | Thread      |         |         |             | IP | Description |
|-----------|-------------|---------|---------|-------------|----|-------------|
|           | M6          | 3/8 BSW | 1/2 BSW | Collet 6 mm |    |             |
|           | EAN 4007220 |         |         |             |    |             |
| 135       | 721803      | 723036  | 749333  | -           | 1  | SWG-...     |
| 150       | -           | -       | -       | 723043      | 1  | SWG-6       |



## Extension IBUV, wire stem IBUS

Suitable for work with tube brushes with a thread. Please note the outer diameter of the screw socket:

- M6 = 12 mm
- 3/8 = 12 mm
- 1/2 = 16 mm

| Extensi-  | SWG<br>[mm] | IBUS 300<br>[mm] | IBUV<br>1000 |
|-----------|-------------|------------------|--------------|
| without   | 135         | 300              | 1,000        |
| IBUV 300  | 435         | 600              | 1,300        |
| IBUV 1000 | 1,135       | 1,300            | 2,000        |

### Advantages:

- Optimal access to hard-to-reach areas.

### Recommendations for use:

- To achieve a larger overall length, combine the IBUV extensions and IBUS wire shanks with one another or with the SWG quick-change handles.

### Ordering notes:

- Please complete the description with the desired thread.

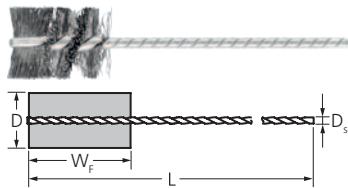


| L<br>[mm] | Thread |         |         |             | IP | Description   |
|-----------|--------|---------|---------|-------------|----|---------------|
|           | M6     | 3/8 BSW | 1/2 BSW | EAN 4007220 |    |               |
|           |        |         |         |             |    |               |
| 300       | 726884 | 726891  | 750032  |             | 1  | IBUV ... 300  |
| 1,000     | 660782 | 660799  | 750049  |             | 1  | IBUV ... 1000 |
| 300       | 726907 | 726914  | 750094  |             | 1  | IBUS ... 300  |
| 1,000     | 660805 | 660812  | 750100  |             | 1  | IBUS ... 1000 |



# Tube brushes

## Tube brushes



### IBU, shank-mounted

For light cleaning and deburring work on threaded holes or recesses, e.g. keyways.

#### Advantages:

- Highly flexible, enabling optimal adjustment to the workpiece contour.
- Longer tool life due to the design of the rotating wire.

#### Recommendations for use:

- Insert into the workpiece before it starts to rotate.
- Use with clockwise rotation.

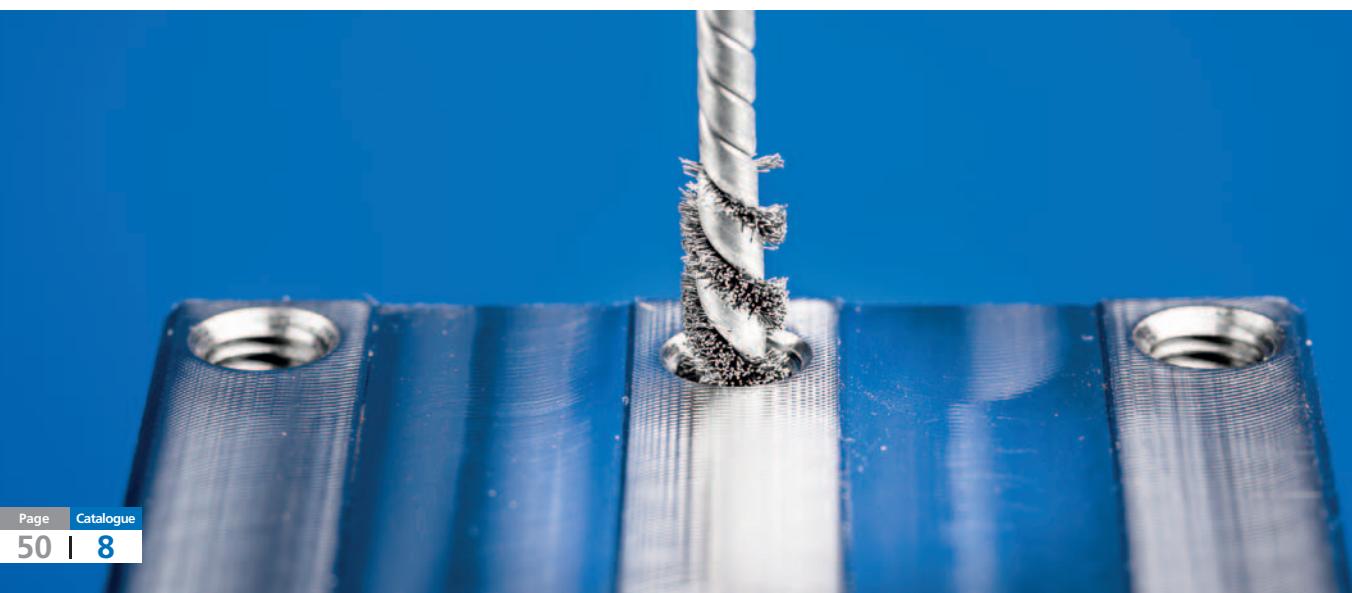
#### Ordering notes:

- Please complete the description with the desired filament material and filament material diameter ( $D_f$ ).

#### Safety notes:

- When using tube brushes inside pipes, holes, grooves, etc., deviations from the specified maximum permitted rotational speed are possible in consultation with PFERD.

| D<br>[mm] | W_f<br>[mm] | D_s | L<br>[mm] | Filament material / D_f [mm] |               |              |              | Max.<br>RPM | IP | Description      |
|-----------|-------------|-----|-----------|------------------------------|---------------|--------------|--------------|-------------|----|------------------|
|           |             |     |           | Steel<br>0.12                | Steel<br>0.20 | INOX<br>0.12 | INOX<br>0.20 |             |    |                  |
|           |             |     |           | EAN 4007220                  |               |              |              |             |    |                  |
| 6         | 25          | 3.2 | 90        | 036761                       | -             | 036938       | -            | 3,500       | 10 | IBU 0625/3,2 ... |
| 8         | 25          | 3.2 | 90        | 036778                       | -             | -            | -            | 3,500       | 10 | IBU 0825/3,2 ... |
| 10        | 25          | 3.2 | 90        | 036785                       | 036853        | 037065       | -            | 3,500       | 10 | IBU 1025/3,2 ... |
| 13        | 25          | 3.2 | 90        | 036792                       | 036860        | 036952       | -            | 3,500       | 10 | IBU 1325/3,2 ... |
| 16        | 25          | 3.2 | 90        | 036808                       | 036877        | 036969       | 037003       | 3,000       | 10 | IBU 1625/3,2 ... |
| 19        | 25          | 3.2 | 90        | 036815                       | 036884        | 036976       | 037010       | 3,000       | 10 | IBU 1925/3,2 ... |
| 22        | 25          | 3.8 | 90        | 036822                       | 036891        | 036983       | -            | 3,000       | 10 | IBU 2225/3,8 ... |
| 25        | 25          | 3.8 | 90        | 036846                       | 036907        | 036990       | 037027       | 3,000       | 10 | IBU 2525/3,8 ... |
| 29        | 25          | 3.8 | 90        | -                            | 036914        | -            | -            | 3,000       | 10 | IBU 2925/3,8 ... |
| 32        | 25          | 3.8 | 90        | -                            | 036921        | -            | 037034       | 3,000       | 10 | IBU 3225/3,8 ... |



### IBU, shank-mounted

For deburring and cleaning holes and cross holes.

#### Advantages:

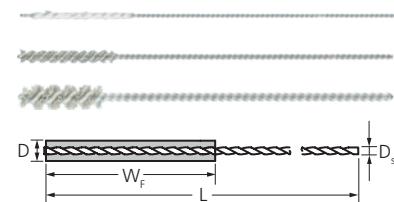
- Enable outstanding precision and efficiency in work on delicate workpieces.
- Highly flexible, enabling optimal adjustment to the workpiece contour.
- The dimensional accuracy of the workpieces remains unchanged.

#### Safety notes:

- When using tube brushes inside pipes, holes, grooves, etc., deviations from the specified maximum permitted rotational speed are possible in consultation with PFERD.

#### Recommendations for use:

- Insert into the workpiece before it starts to rotate.
- Use with clockwise rotation.

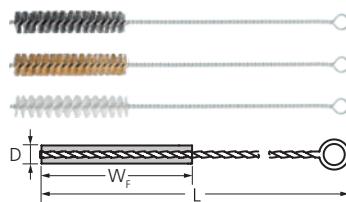


| D<br>[mm]  | W <sub>f</sub><br>[mm] | D <sub>s</sub><br>[mm] | D <sub>f</sub><br>[mm] | L<br>[mm] | Packaging | Max.<br>RPM | Description                 |
|--|------------------------|------------------------|------------------------|-----------|-----------|-------------|-----------------------------|
|  |                        |                        |                        |           | 10        |             |                             |
| <b>EAN 4007220</b>                                 |                        |                        |                        |           |           |             |                             |
| 0.7  | 12                     | 0.4                    | 0.20                   | 100       | 037089    | 1,000       | IBU 0,712/0,4 AO 2000 0,20  |
| <b>Silicon carbide (SiC) 1000 plastic filament</b> |                        |                        |                        |           |           |             |                             |
| 1.2  | 12                     | 0.5                    | 0.25                   | 100       | 037096    | 1,000       | IBU 1,212/0,5 SiC 1000 0,25 |
| 1.9  | 18                     | 0.7                    | 0.25                   | 100       | 037102    | 1,000       | IBU 1,918/0,7 SiC 1000 0,25 |
| 2.2  | 18                     | 0.9                    | 0.25                   | 100       | 037119    | 1,000       | IBU 2,218/0,9 SiC 1000 0,25 |
| 2.6  | 25                     | 1                      | 0.25                   | 100       | 037133    | 1,000       | IBU 2,625/1,0 SiC 1000 0,25 |
| 3.2  | 25                     | 1.7                    | 0.25                   | 100       | 037164    | 1,000       | IBU 3,225/1,7 SiC 1000 0,25 |
| 3.5  | 25                     | 1.7                    | 0.25                   | 100       | 037195    | 1,000       | IBU 3,525/1,7 SiC 1000 0,25 |
| <b>Aluminium oxide (AO) 600 plastic filament</b>   |                        |                        |                        |           |           |             |                             |
| 4.2  | 25                     | 2.2                    | 0.30                   | 125       | 037218    | 1,000       | IBU 4,225/2,2 AO 600 0,30   |
| 4.8  | 25                     | 2.2                    | 0.30                   | 125       | 037225    | 1,000       | IBU 4,825/2,2 AO 600 0,30   |
| 5.5  | 25                     | 2.2                    | 0.30                   | 125       | 037249    | 1,000       | IBU 5,525/2,2 AO 600 0,30   |
| 6.6  | 25                     | 2.9                    | 0.30                   | 125       | 037263    | 1,000       | IBU 6,625/2,9 AO 600 0,30   |
| 8.2  | 25                     | 2.9                    | 0.30                   | 125       | 037270    | 2,000       | IBU 8,225/2,9 AO 600 0,30   |
| 9.8  | 25                     | 3.2                    | 0.30                   | 125       | 037294    | 2,000       | IBU 9,825/3,2 AO 600 0,30   |
| 11.5   | 25                     | 3.2                    | 0.30                   | 125       | 037317    | 2,000       | IBU 11,525/3,2 AO 600 0,30  |
| 13   | 25                     | 3.7                    | 0.30                   | 125       | 037324    | 2,000       | IBU 1325/3,7 AO 600 0,30    |
| 16   | 25                     | 3.7                    | 0.30                   | 125       | 037386    | 2,000       | IBU 1625/3,7 AO 600 0,30    |
| 20   | 25                     | 4.7                    | 0.30                   | 125       | 037393    | 2,000       | IBU 2025/4,7 AO 600 0,30    |
| 25   | 25                     | 4.7                    | 0.30                   | 125       | 037409    | 2,000       | IBU 2525/4,7 AO 600 0,30    |



# Tube brushes

## Tube brushes



### IBU, with eyelet

Specially suited to brushing in manual applications.

#### Advantages:

- Enable outstanding precision and efficiency in work on delicate workpieces.
- Optimal access to hard-to-reach areas such as the inner surfaces of pipes and drilled holes.

#### Ordering notes:

- Please complete the description with the desired filament material and filament material diameter ( $D_f$ ).

| D<br>[mm]   | W <sub>f</sub><br>[mm] | L<br>[mm] | Filament material / D <sub>f</sub> [mm] |               |              |              |               |               |               |               |               |               | IP | Description   |
|-------------|------------------------|-----------|---|---------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|----|---------------|
|             |                        |           | Steel<br>0.10                           | Steel<br>0.15 | INOX<br>0.10 | INOX<br>0.15 | Brass<br>0.10 | Brass<br>0.15 | Nylon<br>0.10 | Nylon<br>0.15 | Nylon<br>0.20 | Nylon<br>0.30 |    |               |
| EAN 4007220 |                        |           |   |               |              |              |               |               |               |               |               |               |    |               |
| 3           | 100                    | 300       | 035740                                  | -             | 036198       | -            | 036570        | -             | 036617        | -             | -             | -             | 10 | IBU 03100 ... |
| 4           | 100                    | 300       | -                                       | 035801        | -            | 036501       | -             | 036587        | -             | 036624        | -             | -             | 10 | IBU 04100 ... |
| 5           | 100                    | 300       | -                                       | 035993        | -            | 036426       | -             | 036594        | -             | 036631        | -             | -             | 10 | IBU 05100 ... |
| 6           | 100                    | 300       | -                                       | 748923        | -            | 748930       | -             | 748947        | -             | -             | 748961        | -             | 10 | IBU 06100 ... |
| 8           | 100                    | 300       | -                                       | 748985        | -            | 748992       | -             | 749005        | -             | -             | 749012        | -             | 10 | IBU 08100 ... |
| 10          | 100                    | 300       | -                                       | 749036        | -            | 749050       | -             | 749043        | -             | -             | 749067        | -             | 10 | IBU 10100 ... |
| 12          | 100                    | 300       | -                                       | 749074        | -            | 749081       | -             | 749098        | -             | -             | -             | 749104        | 10 | IBU 12100 ... |
| 15          | 100                    | 300       | -                                       | 749111        | -            | 749128       | -             | 749142        | -             | -             | -             | 749159        | 10 | IBU 15100 ... |
| 18          | 100                    | 300       | -                                       | 036082        | -            | 036563       | -             | 036600        | -             | -             | -             | 036648        | 10 | IBU 18100 ... |
| 20          | 100                    | 300       | -                                       | 749166        | -            | 749173       | -             | 749180        | -             | -             | -             | 749197        | 10 | IBU 20100 ... |
| 25          | 100                    | 300       | -                                       | 749203        | -            | 749210       | -             | 749227        | -             | -             | -             | 749708        | 10 | IBU 25100 ... |
| 30          | 100                    | 300       | -                                       | 749241        | -            | 749258       | -             | 749265        | -             | -             | -             | 749272        | 10 | IBU 30100 ... |





PFERD offers an extensive range of scratch brushes with various shapes and filament materials.

### Advantages:

- Optimum presentation on the PFERDTOP CENTER using hanging hole and labelling with EAN number, description and filament material.

### Ordering note:

- Please complete the description with the desired filament material and filament diameter.



### HBU, universal use

General-use scratch brush for all light cleaning and rust removal jobs.

| Rows      | $L_T$<br>[mm] | L<br>[mm] | Filament material |           |            | IP | Description   |
|-----------|---------------|-----------|-------------------|-----------|------------|----|---------------|
|           |               |           | Steel 0.35        | INOX 0.30 | Brass 0.30 |    |               |
|           |               |           | EAN 4007220       |           |            |    |               |
| 1         | 25            | 290       | 659489            | 659496    | -          | 10 | HBU 10 ...    |
| 2         | 25            | 290       | 572191            | 572221    | 572528     | 10 | HBU 20 ...    |
| 3         | 25            | 290       | 572207            | 572238    | 572535     | 10 | HBU 30 ...    |
| 4         | 25            | 290       | 572214            | 572245    | 572542     | 10 | HBU 40 ...    |
| 5         | 25            | 290       | 153741            | 572252    | 572559     | 10 | HBU 50 ...    |
| 6         | 25            | 290       | 713341            | 713365    | -          | 10 | HBU 60 ...    |
| Bulk pack |               |           |                   |           |            |    |               |
| 3         | 25            | 290       | 808320            | -         | -          | 50 | HBU 30 GP ... |
| 4         | 25            | 290       | 808337            | 808351    | -          | 50 | HBU 40 GP ... |
| 5         | 25            | 290       | 808344            | -         | -          | 50 | HBU 50 GP ... |



### HBU LH, Long Handle

Suitable for cleaning, derusting, and cleaning of weld seams and surfaces. Extra-long handle.

| Rows | $L_T$<br>[mm] | L<br>[mm] | Filament material | IP | Description   |
|------|---------------|-----------|-------------------|----|---------------|
|      |               |           | Steel 0.35        |    |               |
|      |               |           | EAN 4007220       |    |               |
| 3    | 25            | 350       | 616840            | 10 | HBU LH 30 ... |
| 4    | 25            | 350       | 616857            | 10 | HBU LH 40 ... |



### HBK, for fillet welds

Suitable for cleaning and derusting fillet welds and V-shaped welds thanks to the V shape.

| Rows | $L_T$<br>[mm] | L<br>[mm] | Filament material |           | IP | Description |
|------|---------------|-----------|-------------------|-----------|----|-------------|
|      |               |           | Steel 0.35        | INOX 0.35 |    |             |
|      |               |           | EAN 4007220       |           |    |             |
| 3    | 35            | 290       | 572481            | 572498    | 10 | HBK 30 ...  |



### HBG, curved

Excellent for cleaning work in hard-to-reach areas, e.g. angles, corners and pipes.  
Steel = brass-plated steel wire.

| Rows | $L_T$<br>[mm] | L<br>[mm] | Filament material |           |            | IP | Description |
|------|---------------|-----------|-------------------|-----------|------------|----|-------------|
|      |               |           | Steel 0.30        | INOX 0.30 | Brass 0.30 |    |             |
|      |               |           | EAN 4007220       |           |            |    |             |
| 1    | 25            | 265       | 153727            | 153734    | 572672     | 10 | HBG 10 ...  |





# Scratch brushes

## Scratch brushes



### HBUP, plastic body

Universally suitable for all light cleaning and derusting work. The version with a stainless steel filament is approved for use in the foodstuff industry.

#### Advantages:

- Safe and ergonomic working thanks to curved two-component handle.

| Rows | L <sub>T</sub><br>[mm] | L<br>[mm] | Filament material |           |            | IP | Description |
|------|------------------------|-----------|-------------------|-----------|------------|----|-------------|
|      |                        |           | Steel 0.40        | INOX 0.40 | Brass 0.30 |    |             |
|      |                        |           | EAN 4007220       |           |            |    |             |
| 1    | 25                     | 290       | 906583            | 906743    | -          | 10 | HBUP 10 ... |
| 2    | 25                     | 290       | 906590            | 906750    | 906712     | 10 | HBUP 20 ... |
| 3    | 25                     | 290       | 906644            | 906767    | 906729     | 10 | HBUP 30 ... |
| 4    | 25                     | 290       | 906651            | 906774    | 906736     | 10 | HBUP 40 ... |
| 5    | 25                     | 290       | 906705            | 906781    | -          | 10 | HBUP 50 ... |



### HBZ, for spark plugs

Particularly suited to cleaning spark plugs, small workpieces and tools.

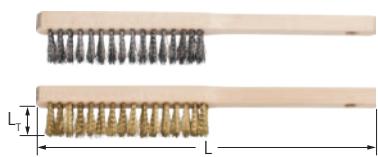
| Rows | L <sub>T</sub><br>[mm] | L<br>[mm] | Filament material |             | IP | Description |
|------|------------------------|-----------|-------------------|-------------|----|-------------|
|      |                        |           | Brass 0.15        | EAN 4007220 |    |             |
|      |                        |           | EAN 4007220       |             |    |             |
| 3    |                        | 15        | 145               | 572566      | 10 | HBZ 30 ...  |



### HBB, block brushes with a handle

Wire brush with handle for general cleaning work on large surfaces.

| Rows | L <sub>T</sub><br>[mm] | L<br>[mm] | Filament material |             | IP | Description |
|------|------------------------|-----------|-------------------|-------------|----|-------------|
|      |                        |           | Steel 0.45        | EAN 4007220 |    |             |
|      |                        |           | EAN 4007220       |             |    |             |
| 8    | 35                     | 235       | 647295            |             | 12 | HBB 80 ...  |



### HBFM, for precision mechanics

Excellent for light brushing on fine surfaces. The filament material diameter of 0.15 mm allows a smooth brushing action and produces a fine surface.

| Rows | L <sub>T</sub><br>[mm] | L<br>[mm] | Filament material |           |            | IP | Description |
|------|------------------------|-----------|-------------------|-----------|------------|----|-------------|
|      |                        |           | Steel 0.15        | INOX 0.15 | Brass 0.15 |    |             |
|      |                        |           | EAN 4007220       |           |            |    |             |
| 4    | 20                     | 220       | 659502            | 659519    | 659526     | 10 | HBFM 40 ... |



### HBF, for files

Suitable for cleaning files.

| Rows | L <sub>T</sub><br>[mm] | L<br>[mm] | Filament material |             | IP | Description    |
|------|------------------------|-----------|-------------------|-------------|----|----------------|
|      |                        |           | Steel             | EAN 4007220 |    |                |
|      |                        |           | EAN 4007220       |             |    |                |
| 1    |                        | 7         | 232               | 015315      | 5  | HBF 10 ST 0,15 |

To enable brushes with arbor holes to be used on tool drives with collets, PFERD supplies a corresponding arbor for each brush type.

### Advantages:

- Secure hold of the brush thanks to highly accurate fit.

### Examples of brushes with arbors

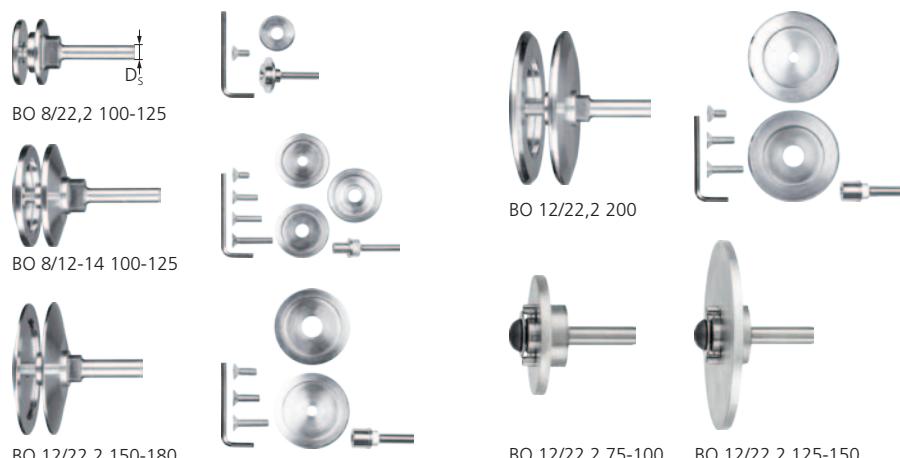


### BO

Enables the use of wheel and composite disc brushes with an arbor hole on tool drives with a collet, e.g. electric straight grinders and flexible shaft drives.

#### Safety notes:

- Arbors must only be used for brush diameters up to a maximum of 200 mm.



| $D_s$<br>[mm] | Suitable<br>for brush<br>diameter | Suitable<br>for hole<br>diameter<br>$D_A / D_M$ | Suitable for | Page | EAN<br>4007220 | IP | Description |
|---------------|-----------------------------------|---|--------------|------|----------------|----|-------------|
|---------------|-----------------------------------|---|--------------|------|----------------|----|-------------|

#### Arbors for wheel brushes

|    |         |       |   |   |                            |        |                    |
|----|---------|-------|---|---|----------------------------|--------|--------------------|
| 8  | 100–125 | 12/14 | Wheel brushes, crimped (RBU)                                  | 22, 24, 25  | 107843                     | 1      | BO 8/12-14 100-125 |
|    |         | 22.2  | Wheel brushes, knotted (RBG)                                  | 18, 19, 20, 21, 42  | 751930                     | 1      | BO 8/22,2 100-125  |
| 12 | 150–180 | 22.2  | Wheel brushes, crimped (RBU),<br>Wheel brushes, knotted (RBG) | 18, 19, 20, 21, 22, 24, 25, 27                                | 107850                     | 1      | BO 12/22,2 150-180 |
|    |         | 200   | 22.2  | Wheel brushes, crimped (RBU),<br>Wheel brushes, knotted (RBG) | 21, 22, 23, 24, 25, 27, 28 | 107867 | 1                  |

#### Arbors for composite disc brushes

|    |         |      |                              |        |        |   |                    |
|----|---------|------|------------------------------|--------|--------|---|--------------------|
| 12 | 75–100  | 22.2 | Composite disc brushes (DBU) | 29, 30 | 808887 | 1 | BO 12/22,2 75-100  |
|    | 125–150 | 22.2 | Composite disc brushes (DBU) | 29, 30 | 808894 | 1 | BO 12/22,2 125-150 |

### BO, POLISCRATCH

For attaching POLISCRATCH brushes to straight grinders, flexible shafts or power drills.

#### Safety notes:

- Exclusively for use with POLISCRATCH brushes.



| $D_T$ | $D_s$<br>[mm] | Suitable for                                     | Page | EAN<br>4007220 | IP | Description |
|-------|---------------|--|------|----------------|----|-------------|
| M14x2 | 8             | Wheel brushes crimped (RBU),<br>POLISCRATCH type | 17   | 900482         | 1  | BO 8/M14    |



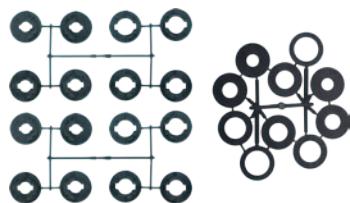
# Accessories

## Adapter

PFERD offers various adapter sets for wheel brushes with arbor holes.

### Advantages:

- Brushes can be used on all tool drives as the hole diameter is adjusted to the required dimension.
- Secure hold of the brush thanks to highly accurate fit.



### Adapter set AK 32 and AK 32-2

**AK 32:** Suitable for wheel brushes with a brush diameter as from 150 mm in the narrow type.

**AK 32-2:** Suitable for wheel brushes with a brush diameter as from 150 mm in the wide type.

#### Recommendations for use:

- Use for applications that produce little heat and require little pressure.

| Suitable for                   | Page   | Hole diameter D <sub>A</sub> included<br>[mm/inches]  | EAN<br>4007220 | IP | Description |
|--------------------------------|--------|---|----------------|----|-------------|
| RBU, narrow face ≥ dia. 150 mm | 22     | 20.0 / 18.0 / 14.0 / 12.0 / 25.4 (1) / 22.2 (7/8) / 16.0 (5/8) / 12.7 (1/2)                       | 608593         | 1  | AS AK 32    |
| RBU, wide face ≥ dia. 150 mm   | 24, 25 | 31.75 / 20.0 / 18.0 / 14.0 / 12.0 / 25.4 (1) / 22.2 (7/8) / 19.2 (.750) / 16.0 (5/8) / 12.7 (1/2) | 806890         | 1  | AS AK 32-2  |



### Adapter pairs AM 50.8 and APM 50.8

**AM 50.8:** Suitable for wheel brushes with a brush diameter as from 150 mm in the wide and composite type.

**APM 50.8:** Suitable for knotted wheel brushes with a diameter of 200–250 mm and crimped wheel brushes designed as deburring types.

#### Recommendations for use:

- Particularly suitable for applications which produce a lot of heat and involve high pressure.

#### Ordering notes:

■ **AM 50.8:** A set consists of 2 individual adapters.

■ **APM 50.8:** A set consists of 3 adapter pairs.

| Suitable for   | Page              | Hole diameter D <sub>A</sub> included<br>[mm/inches] | EAN<br>4007220 | IP | Description      |
|--|-------------------|--|----------------|----|------------------|
| RBU, wide type, ≥ dia. 150 mm,<br>RBUP, composite type, ≥ dia. 150 mm                      | 24, 25,<br>27, 28 | 14.0   | 549803         | 1  | AP AM 50,8/14,0  |
|  |                   | 16.0   | 548486         | 1  | AP AM 50,8/16,0  |
|  |                   | 20.0   | 549834         | 1  | AP AM 50,8/20,0  |
|  |                   | 22.2   | 806906         | 1  | AP AM 50,8/22,2  |
|  |                   | 25.4   | 548509         | 1  | AP AM 50,8/25,4  |
|  |                   | 30.0   | 806913         | 1  | AP AM 50,8/30,0  |
|  |                   | 32.0   | 606605         | 1  | AP AM 50,8/32,0  |
|  |                   | 35   | 004036         | 1  | AP AM 50,8/35,0  |
| RBG, knotted wheel brushes, dia. 200–250 mm,<br>RBU, deburring brush type, dia. 200–250 mm | 21, 23, 26        | 16.0/18.0/20.0                                       | 900376         | 1  | APM 50,8/16-20   |
|  |                   | 22.2/25.4/30.0                                       | 900390         | 1  | APM 50,8/22,2-30 |
|  |                   | 32.0/35.0/40.0                                       | 900406         | 1  | APM 50,8/32-40   |