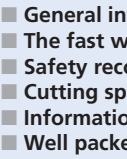
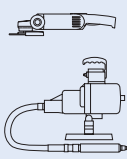
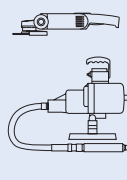
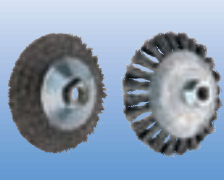
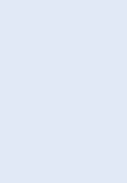
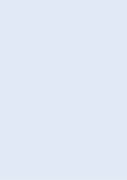
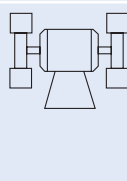
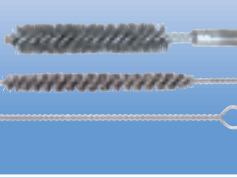
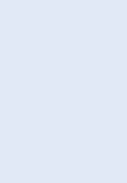
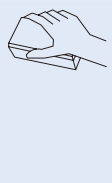
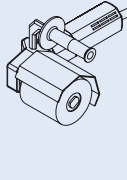
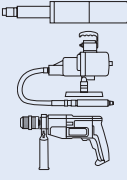
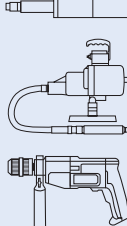
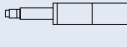
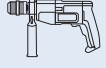
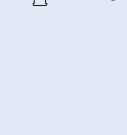




Tool drive	Contents	Page	Tool drive	Contents	Page	
	General information	3		Cup brushes with threaded hole	30-32	
	The fast way to the best tool	4-5		Performance line SG		
	Safety recommendations and dimensions	6		Special line SGP		
	Cutting speeds and application information	7				
	Information on processing stainless steel (INOX)	8				
	Well packed and presented	9				
	Wheel brushes with arbor hole	10-13		Flaring cup brushes with threaded hole	33-34	
	Performance line SG			Performance line SG		
	Special line SGP			Special line SGP		
	Wheel brushes for angle grinders	14		Disc brushes	35	
	Performance line SG			Performance line SG		
	Wheel brushes for pipeline	15-17		Brushes INOX-TOTAL	36-37	
	Performance line SG			Special line SGP		
	Wheel brushes deburring brushes	18		Interior brushes	38-39	
	Performance line SG			Performance line SG		
	Wheel brushes for stationary use	19-20		Scratch brushes	40-42	
	Performance line SG			Performance line SG		
	Wheel brushes for burnishing machines	21		Brush sets	42	
	Performance line SG			Adapters and accessories	43-44	
	Mounted pencil brushes	22-25		Manual applications	Drum grinders	
	Performance line SG				Straight grinders	Flexible shaft drives
	Special line SGP				Angle grinders	Stationary applications
	Mounted wheel brushes	26-28		Power drills	Robot applications	
	Performance line SG					
	Mounted cup brushes	29				
	Performance line SG					

PFERD industrial power brushes are quality tools for surface machining. We offer a comprehensive program of high-quality brushes for professional machining of various materials and applications. Within the PFERD program you can find the best brush for every application, for every machining problem and for every material.

Advantages of PFERD brushes

- Special quality wires (oil tempered wire) with high flexibility and bending fatigue strength give long tool life.
- High concentricity due to even distribution and secure fixing of the trim material.
- Optimum finishing result, due to close matching of brush body and visible trim length.
- Good value for money.

How to find the best tool?

In order to help you find the optimal brush quickly we have compiled a chart on the following pages including the most important application and the best brushes for your task.

① Select trim material

First, the optimum trim material for the brush application is chosen to suit the material to be machined. The trim materials are colour-coded for easier recognition:

Steel wire	–	grey
INOX wire	–	blue
Brass wire	–	yellow
Plastic (SiC)	–	red

② Select filling type

According to the desired brushing effect you can choose between the filling types crimped filament, knotted or vulcanised.

PFERD brush product lines

PFERD has two product lines to meet a variety of brushing tasks used in industry and crafts.

Performance line SG

Largest range of brushes for professional use in industry and crafts.

Special line SGP

The special line was developed for special industrial and high-performance applications. Everywhere where there are special demands, special line SGP brushes are the best choice. With the innovative knot-styles COMBITWIST® and SINGLETWIST®, PFERD offers you exclusive tool solutions to meet highest application demands.



③ Select tool

The best suitable tool can be found below your application.

Technical brushes are mainly used for:

- **Deburring**, especially removal of secondary burrs produced by milling, grinding, turning or drilling.
- **Surface machining**
 - Cleaning**
 - Removal of rust, removal of scale
 - Work on weld seams
 - Cleaning, removal of paint
 - Structuring surfaces**
 - Matt finishing, burnishing
 - Roughening, texturing
 - Grinding (with SiC brushes)



Industrial Power Brushes

Well Packed and Presented



Industrial packaging
PFERD provides industrial power brushes in part of new standard range in industrial value packaging.
All brushes produced in packaging units of 25 or 50 pieces each are delivered in this industrial packaging.

Advantages:
■ Better packaging suited to the product.
■ Order number and EAN-code on the packaging label.
■ Guidelines for safe use on each brush packaging.



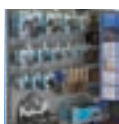
Individual packaging
PFERD also provides a selection of the most common industrial power brushes in individual value packaging.
All brushes listed in packaging units of 25 or 50 pieces are supplied in value-promoting individual packaging.

Advantages:
■ Better convenient standard packaging for optimum product presentation on your sales staff.
■ Order number and EAN-code on the packaging label.
■ Guidelines for safe use on each brush packaging.
■ PFERD brushes can be positioned effectively at a point of sale.



Brush sets
PFERD provides three brush sets in value-promoting display boxes for three customers. They can also be effectively positioned in very small spaces.

Order instructions
When ordering, please state the EAN or the complete order number.
Ordering example:
EAN: 4008811111111
SKU: 0000011111111



PFERD TOOL CENTER
All individually packed brushes can be presented together effectively using a PFERD TOOL CENTER.
The information and printed card system can be used for communicating all important information on PFERD brushes at the point of sale.
PFERD also offers a counter display as an attractive sales promotion.
Are you planning to present PFERD brushes in a special way on the particular larger projects? The information and printed card system can be used for communicating all important information on PFERD brushes at the point of sale.
Our sales advisors will be happy to help with recommendations for an appropriate brush selection.



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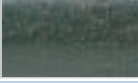
Special models

Should our comprehensive catalogue program prove insufficient for solving your particular application, we can produce quality, high-performance PFERD brushes on request.

We can produce for example other wire diameters and qualities, bores or threads or other dimensions as special designs. Please speak to our sales advisors! We are happy to help you!

Suitable tool drives

- **For hand-held use**
 - Power drills
 - Flexible shafts
 - Straight and angle grinders with air or electric motors
 - Please refer to catalogue 209 for detailed information and ordering data on suitable drive systems.
- **For stationary machines**
 - CNC systems
 - Bench-top grinding machines (e.g. wheel stand grinders)
- **For robotized machines**
 - mainly special types

① Selection of trim material From the processing to the trimming material			② Selection of trim type From the application to the trim type		③ Selection of tools			
Workpiece material	Trim material	Advantages/ characteristics	Fields of application	Trim type	Weld seam		Surface texturing	
						Page		Page
Construction steels, carbon steels, alloyed steels, non-alloyed steels, plastics	Steel wire (ST) Colour code: grey	- Tough, high tensile strength - Long service life - Suitable for high RPM - General purpose tool - Low cost	- Light surface finishing - Removal of burr on contours, break throughs and pipes, removal of rust, paint, scale and insulating materials	Individual filament, crimped 	 HBU	40	 WBU	21
			- Weld dressing - Removal of rust, slag, scale, etc.	Knotted  COMBITWIST® 	 RBG	28	 RBU	10-11
			Precise, localized rust removal, deburring and cleaning	Crimped, plastic-impregnated 	 RBG PIPE	15-16		
					 RBG PIPE CT	17		
Stainless steels (INOX), aluminium, other non-ferrous metals	INOX wire Colour code: blue	- Corrosion-resistant - Resistant to high thermal loads - Does not leave behind any corrosive residues on the workpiece - Can be used at lower RPM in contrast to steel wire - Brushes with INOX trims are usually degreased	- Light surface finishing - Removal of burrs on contours, break throughs and pipes, removal of rust, paint, scale and insulating materials from stainless steel surfaces	Individual filament, crimped 	 HBU	40	 WBU	21
			- Weld dressing - Removal of rust, slag, scale, etc. on stainless steel surfaces	Knotted  COMBITWIST® 	 HBU	40	 RBU	10-11
					 RBG	28		
					 RBG PIPE	15-16		
Brass, copper, other non-ferrous metals	Brass wire (MES) Colour code: yellow	- Works without sparking - Flexible - Fine surface finish on aluminium	- Easy surface finishing - Removal of corrosion paint, scale and insulating material - Cleaning of CU solder joints	Individual filament, crimped 	 HBU	40	 RBU	10
			- High flexibility permits work in hard-to-reach areas - Deburring, cleaning and grinding - Matt finishing, texturing and satin finishing of surfaces	Individual filament, crimped 			 WBU	21

③ Selection of tools									
Edge		Deburring			Cleaning				
									
Page		Page			Page		Page		
	RBU T 19		RBU 26		PBU 22		RBU 26		PBU 22
	KBU 33		RBU 10-11, 14, 18-19		PBUR 24		RBU 10-11, 14, 18-19		PBUR 24
	RBU 18-19		TBU 29-30		IBU 38-39		TBU 29-30		IBU 38-39
	KBG 33		RBG 12		PBGS 24		RBG 28		PBGS 24
	KBG CT 34		RBG CT 13		PBG 25		RBG RBG CT 12 13		PBG 25
	RBG T 20		RBG T 20				KBG KBG CT 33 34		
			TBG TBG CT 31 32				TBG TBG CT 31 32		
	RBV 28				PBV 23				PBV 23
	RBV PIPE 16								
	RBU T 19		RBU 26		PBU PBUIT 22 36		RBU RBUIT 26 37		PBU PBUIT 22 36
	KBU 33		RBUIT 37		IBU 38-39		RBU 10-11, 14, 18-19		IBU 38-39
	RBU 18-19		RBU 10-11, 14, 18-19		PBUR 24		TBU 29-30		PBUR 24
			TBU 29-30				KBU 33		
	KBG 33		RBG RBG CT 12 13		PBGS PBGSIT 24 36		RBG 28		PBGS PBGSIT 24 36
	KBG CT 34		RBG CT 37		PBG 25		RBG/RBG CT RBG CT 12, 13 37		PBG 25
			KBG KBG CT 33 34				KBG KBG CT 33 34		
			TBG TBG CT 31 32				TBG TBG CT 31 32		
			RBU 27		PBU 22		RBU 27		PBU 22
					IBU 38-39				IBU 38-39
	RBU 10, 18		RBU 10, 18, 27		PBU 22		RBU 10, 18, 27		PBU 22
			TBU 29-30		IBU 38-39		TBU 29-30		IBU 38-39
			DBU 35				DBU 35		



PFERD – Your partner for safe tools

PFERD industrial power brushes meet a high quality and safety standard which is constantly being inspected 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.

Never exceed the permitted maximum RPM

In order to guarantee operating safety, the maximum permitted RPM written either on the brush, the label and in the catalogue must never be exceeded!

Please observe the following before use:

The tool drive speed must not exceed the maximum permissible brush speed.

Please refer to our product information and product tables for further recommendations on optimum operating speeds. Here you can find the recommended speeds [RPM] for an optimum working result.

Read the safety recommendations!

Technical brushes must be used in a proper manner. For this reason, guidelines on the safe and economic use of PFERD brushes are in every packaging unit. They advise you how to increase your personal work safety.



= Wear gloves!



= Wear a respirator!



= Read the instructions!



= Wear hearing protection!



= Wear eye protection!

Use a protective machine cover!



Customer service

Should you have any questions, please contact your PFERD sales advisor. We can advise you locally free of charge and without obligation and will be happy to help you to find solutions to any application problems or answer any questions about the safe use of PFERD brushes.

Minimum arbor hole diameter according to EN 1083

Total dia. d_1 of the brush [mm]	Minimum arbor hole diameter $d_{2 \text{ min.}}$ [mm]
50	4,6
75	6,5
100	10
150	13
200	16
250	20
300	20
350	32

Conversion table [mm – inches]

Brush diameter		Arbor hole diameter		Trim width		Wire diameter	
d_1 [mm]	d_1 [inches]	d_2 [mm]	d_2 [inches]	b [mm]	b [inches]	d_6 [mm]	d_6 [inches]
70	2-3/4	6,4	1/4	3,2	1/8	0,10	.004
76	3	9,5	3/8	6,4	1/4	0,15	.006
89	3-1/2	12,7	1/2	9,5	3/8	0,20	.008
102	4	15,9	5/8	12,7	1/2	0,25	.010
127	5	19,0	3/4	15,9	5/8	0,30	.012
152	6	22,2	7/8	19,0	3/4	0,35	.014
178	7	25,4	1	22,2	7/8	0,40	.016
203	8	28,6	1-1/8	25,4	1	0,45	.018
254	10	31,8	1-1/4	28,6	1-1/8	0,50	.020
305	12	38,1	1-1/2	31,8	1-1/4	0,60	.023
356	14	44,5	1-3/4	38,1	1-1/2	0,65	.026
381	15	50,8	2	50,8	2	0,80	.032
406	16	76,2	3	76,2	3	0,90	.035
						1,00	.039

Determining the recommended speed

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

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

①	②
Pencil brushes	5 – 10 m/s
Cup brushes	25 – 35 m/s
Wheel brushes/ flaring cup brushes	see adjacent chart

The colour bars correspond to the colour code of the trim materials.

Recommended cutting speed [m/s] for wheel and flaring cup brushes											
Application	[m/s]	10	15	20	25	30	35	40	45	50	55
Deburring/ edge breaking											
Removal of scale/ rolling skin											
Cleaning/ roughening surfaces											
Weld dressing											

Solutions to problems

Problem	Solution
Inadequate brushing action	1. Increase RPM or use larger brush diameter at unchanged RPM. 2. Choose a brush with shorter trim. 3. Use a brush with thicker filaments.
Excessively strong brushing action	1. Reduce RPM or use smaller brush diameter at unchanged RPM. 2. Reduce contact pressure. 3. Choose a brush with longer trim. 4. Use a brush with thinner filaments.
Surface is too rough and irregular	1. Use a wider brush. 2. Select a brush with thinner filaments. 3. Reduce operating RPM.
Excessively fine finish/surface appears too polished	1. Select a brush with thicker filaments. 2. Use a brush with shorter trim. 3. Reduce operating RPM.
Secondary burr formation	1. Change brush-to-workpiece operating angle. 2. Select a brush with shorter trim. 3. Use a brush with thicker filaments.

③ Cutting speeds [m/s]

n [RPM]	Brushes dia. d ₁ [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	Example RBG 11512 Steel SG Clean surfaces Brush dia. d₁: 115 mm Cutting speed: 30 m/s Speed: 5.000 RPM $\varnothing$ (d₁) × π × Speed (n) 1.000 × 60	
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					
12.000	6	9	13	16	19	25	31	38	47	50	63	72	79						
14.000	7	11	15	18	22	29	37	44	55	59	73								
16.000	8	13	17	21	25	34	42	50	63	67									
20.000	10	16	21	26	31	42	52	63	79	Cutting speed (V)									
22.000	12	17	23	29	35	46	58	69											
25.000	13	20	26	33	39	52	65	79											

Example

RBG 11512 Steel SG
Clean surfaces

Brush dia. d₁: 115 mm

Cutting speed: 30 m/s

Speed: 5.000 RPM

$$\frac{\sigma(d_1) \times \pi \times \text{Speed} (n)}{1.000 \times 60}$$

Recommendation for use

Brush diameter

With hand-held tool drives, the brush diameter should never exceed 180 mm, regardless of the fill material.

Contact pressure and work position



incorrect (1)



correct (2)

Abrasion is done by the filament tips (fig. 2).

Exception:

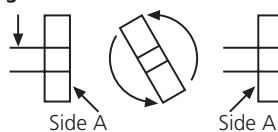
Brushes with SiC fill: approx. 2-3 mm of the filament tips grind. When using brushes on stationary machines, always operate below the brush centre line (see fig. 2).

Visible trim lengths

Short filaments give a stiffer fill surface, resulting in more aggressive brushing action. Longer filaments are more flexible, giving a softer brush performance that produces a more uniform finish, even on non-homogeneous surfaces.

Self-sharpening effect

Output shaft



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

Filament diameter

General rule:

Thicker filament = aggressive, powerful brushing action

Thinner filament = soft brushing action, finer surface finish

On a brush with thicker filaments, fewer filament ends are in contact with the workpiece surface at the same time. This results in a more aggressive brushing action and coarser surface finish. With thinner filaments, many filament ends are in contact. The result is a softer brushing action and finer surface finish. Generally, finer filament is more flexible and ensures a longer brush life.



Due to its particularly good forming and welding qualities, its resistance against corrosion and its attractive appearance, stainless steel (INOX) is becoming increasingly popular for various products. These properties also place special requirements and demands on the tools used to machine it.

PFERD wire qualities

In order to fulfil the particular requirements for machining INOX, PFERD uses a wire quality of 1.4310 (V2A) on all its INOX brushes. Practical experience gained from industrial use confirm that this wire quality achieves excellent corrosion resistance with optimum tool life.

The wire quality of 1.4310 in INOX brushes tends to become ferromagnetic after cold processing (can be attracted using magnets). The reason for this is a change in the microstructure caused through deformation (e.g. in wire drawing process). This change in microstructure and the resulting ferromagnetic qualities have no influence on the quality and corrosion resistance of the INOX wire. It retains its corrosion-resistant properties.

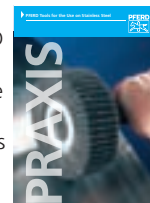
All PFERD brushes with INOX wire are marked blue and are suitable for use on all stainless steels (INOX), such as V4A.

PFERD brushes INOX-TOTAL type

We offer a range of PFERD "INOX-TOTAL" type brushes for the most demanding of operating conditions. These brushes have been specially developed for stainless steel work and are characterised by the fact that, all brush parts are made from stainless steel, quality 1.4310 (V2A), ensuring optimum corrosion protection. Please refer to pages 36-37 for detailed information and ordering data.

Stainless Steel (INOX) processing competence

PFERD provides a comprehensive range of tools which meet the demands for work on stainless steel. We are happy to help in finding solutions to your application problems. The PRAXIS "PFERD Tools for the Use on Stainless Steel" contains many valuable recommendations for use. Our experienced sales advisors are happy to answer your questions. Please contact us.



Standard INOX wire qualities

AISI	Short no. acc. to EN 10027-1	Material no. acc. to EN 10027-2
304	X5CrNi18-10	1.4301 (V2A)
301	X10CrNi18-8 (current standard)	1.4310 (V2A)
302	X12CrNi 17-7 (previous standard)	1.4310 (V2A)
316	X5CrNiMo17-12-2	1.4401 (V4A)
316	X3CrNiMo17-13-3	1.4436 (V4A)
316Ti	X6CrNiMoTi17-12-2	1.4571 (V4A)

Note

To avoid possible problems, it makes sense to run preliminary tests to check the corrosion-resistance of the workpiece.

Finishing

General cleaning of the workpieces after brushing is recommended to prevent loose particles sticking to the workpiece. For workpieces that are used in a heavily corrosive environment, processing with grinding tools or etching or passivation is recommended. This also applies when not only stainless steels but also non-alloyed steels are processed and it cannot be completely ruled out that particles will land on the stainless steel. For detailed information and ordering data on grinding and polishing tools please refer to catalogue 204.

Avoiding corrosion when brushing INOX components

Cause of corrosion	Solution
Structure changes through toothing heat build-up.	Avoid the heat build-up through: ■ Use of a lower speed. ■ Reduction in brushing pressure. ■ Oscillating brushing.
Apart from the trim all other brush parts are generally made of steel, (exception: INOX-TOTAL brush types), corrosion can occur through contact between these parts with the workpiece.	■ Use INOX-TOTAL type brushes. ■ Avoid contact between the side discs and workpiece. ■ Use pencil brushes with plastic coatings.
Using the same tool for work on steel and INOX.	■ Do not use brushes which have already been used on steel, copper or other metals. ■ Do not process steel near INOX.
Wire particle residues in the surface (crack corrosion).	■ Avoid a high brushing pressure. ■ Select a low speed.
Material removal rate is too low	Complete removal of structural changes by: ■ Extending brushing times. ■ Using grinding tools.



Industrial packaging

PFERD provides **industrial power brushes** as part of their standard range, in robust industrial packaging.

All brushes produced in packaging units of 5 or 10 pieces each are delivered in this industrial packaging.

Advantages:

- Robust packaging suited to the product.
- Order number and EAN-code on the packaging label.
- Guidelines for safe use in each brush package.



Individual packaging

PFERD also provides a selection of the most common **industrial power brushes** in individual sales promotion packaging.

All brushes listed in packaging units of 1 piece are supplied in sales-promoting individual packages.

Advantages:

- Useful European standard holepattern for optimum product presentation on your sales wall.
- Order number and EAN-code on the packaging label.
- Guidelines for safe use on each brush package.
- Popular types can be positioned effectively at a point-of-sale.



Brush sets

PFERD provides three brush sets in sales-promoting display boxes for shop counters. They can also be effectively positioned in very small spaces.

Order instructions

When ordering, please state the EAN or the complete order number.

Ordering example

EAN 4007220153017
RBU 3006/6 ST 0,20 SG

Explanation of order example

RBU	= Wheel brush, single filament type
30	= Brush dia. d_1 [mm]
06	= Trim width b [mm]
/6	= Shank dia. d_2 [mm]
ST	= Trim material steel
0,20	= Wire dia. d_6 [mm]
SG	= Performance line



PFERD TOOL CENTER

All individually-packed brushes can be presented highly effectively using a PFERD TOOL CENTER.

The information and symbol card system can be used to communicate all important information on PFERD brushes at the point-of-sale.

PFERD also offers a counter display as an attractive sales promotion.

Are you planning to present PFERD brushes in a special way or to a particular target group, perhaps you are planning a sales promotion? Our sales advisers will be happy to help with recommendations for an appropriate brush selection.

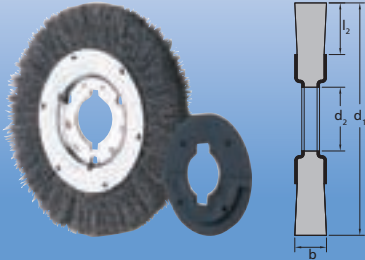


Wheel Brushes

Wheel Brushes with Arbor Hole, Individual Filament Type



RBU = Wheel brushes, individual filament type, slim type



Excellent for medium-duty brushing (hand-held or stationary) of large surface areas.

Packaging unit: 1 piece

Recommendation for use:

Tool contact pressure should be kept low. Ensure that workpiece contact is made by wire ends only. Please mind arbor hole diameter.

Ordering example:

EAN 4007220**597866**
RBU 10012/14,0 ST 0,15 SG



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	kg
RBU 10012/14,0 ST 0,15 SG	597866	0,15	100	12	24	14,0	14,0	4.000 - 6.000	8.000	0,225
RBU 10012/14,0 ST 0,30 SG	597873	0,30	100	12	24	14,0	14,0	4.000 - 6.000	8.000	0,225
RBU 12512/14,0 ST 0,30 SG	806791	0,30	125	12	32	14,0	14,0	4.000 - 6.000	8.000	0,248
RBU 15012/22,2 ST 0,25 SG	530412	0,25	150	12	28	22,2	31,8	3.000 - 4.500	6.000	0,429
RBU 18012/22,2 ST 0,30 SG	658734	0,30	180	12	43	22,2	31,8	3.000 - 4.500	6.000	0,521
RBU 20016/22,2 ST 0,25 SG	530436	0,25	200	16	44	22,2	31,8	3.000 - 4.500	6.000	0,730
RBU 25020/22,2 ST 0,25 SG	530443	0,25	250	20	70	22,2	31,8	1.800 - 2.700	3.600	1,152

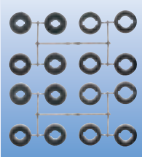
Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	kg
RBU 12512/14,0 INOX 0,30 SG	806807	0,30	125	12	32	14,0	14,0	3.200 - 5.200	8.000	0,248
RBU 15012/22,2 INOX 0,30 SG	597880	0,30	150	12	28	22,2	31,8	2.400 - 3.900	6.000	0,429
RBU 18012/22,2 INOX 0,30 SG	658796	0,30	180	12	43	22,2	31,8	2.400 - 3.900	6.000	0,521
RBU 20016/22,2 INOX 0,30 SG	597910	0,30	200	16	44	22,2	31,8	2.400 - 3.900	6.000	0,730
RBU 25020/22,2 INOX 0,30 SG	597927	0,30	250	20	70	22,2	31,8	1.400 - 2.300	3.600	1,152

Plastic (SiC), performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	kg
RBU 10012/12,0 SiC 80 1,00 SG	597903	1,00	100	12	22	12,0	12,0	3.200 - 5.200	8.000	0,160
RBU 10012/12,0 SiC 180 0,90 SG	220870	0,90	100	12	22	12,0	12,0	3.200 - 5.200	8.000	0,160
RBU 15016/12,0 SiC 80 1,00 SG	530467	1,00	150	16	32	12,0	31,8	2.400 - 3.900	6.000	0,356
RBU 15016/12,0 SiC 180 0,90 SG	220894	0,90	150	16	32	12,0	31,8	2.400 - 3.900	6.000	0,356
RBU 20016/22,2 SiC 80 1,00 SG	530474	1,00	200	16	32	22,2	31,8	1.800 - 2.900	4.500	0,790
RBU 20016/22,2 SiC 180 0,90 SG	220917	0,90	200	16	32	22,2	31,8	1.800 - 2.900	4.500	0,790
RBU 25016/22,2 SiC 80 1,00 SG	530481	1,00	250	16	38	22,2	31,8	1.400 - 2.300	3.600	1,402
RBU 25016/22,2 SiC 180 0,90 SG	220948	0,90	250	16	38	22,2	31,8	1.400 - 2.300	3.600	1,402



In order to change the arbor hole dia, please use the adapter set AK 32 (EAN 4007220**608593**).
Exception: brushes with dia. 100 and 125 mm cannot be used with adapter set AK 32.



BO 8/12-22,2 5-18 (EAN 4007220**751923**) is suitable for all slim brushes up to dia. 150 mm with arbor hole.

For safety reasons, the use of arbors is limited for brushes with max. dia. 150 mm!

Please refer to pages 43-44 for detailed information and ordering data on matching adapter systems and accessory parts.



Excellent for medium-duty brushing (hand-held or stationary) of large surface areas.

Packaging unit: 1 piece

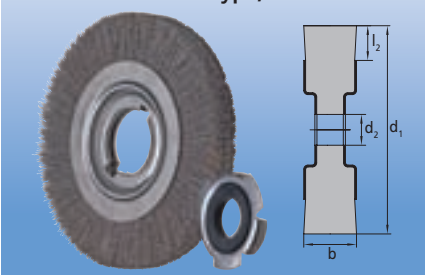
Recommendation for use:

Tool contact pressure should be kept low.
Ensure that workpiece contact is made by wire ends only.

Ordering example:

EAN 4007220**658710**
RBU 10020/14,0 ST 0,30 SG

RBU = Wheel brushes, individual filament type, extra wide



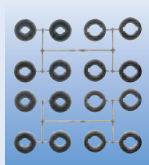
Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	kg
RBU 10020/14,0 ST 0,30 SG	658710	0,30	100	20	24	14,0	25,4	4.000 - 6.000	8.000	0,334
RBU 10028/14,0 ST 0,30 SG	153604	0,30	100	28	24	14,0	25,4	4.000 - 6.000	8.000	0,553
RBU 12520/14,0 ST 0,30 SG	806852	0,30	125	20	30	14,0	25,4	4.000 - 6.000	8.000	0,377
RBU 12528/14,0 ST 0,30 SG	806869	0,30	125	28	30	14,0	25,4	4.000 - 6.000	8.000	0,600
RBU 15025/AK32-2 ST 0,30 SG	658727	0,30	150	25	25	AK32-2	50,8	3.000 - 4.500	6.000	0,833
RBU 15038/AK32-2 ST 0,30 SG	153628	0,30	150	38	25	AK32-2	50,8	3.000 - 4.500	6.000	1,486
RBU 18025/AK32-2 ST 0,30 SG	658741	0,30	180	25	40	AK32-2	50,8	3.000 - 4.500	6.000	0,928
RBU 20025/AK32-2 ST 0,30 SG	658765	0,30	200	25	38	AK32-2	85,4	2.300 - 3.400	4.500	1,373
RBU 20038/AK32-2 ST 0,30 SG	153635	0,30	200	38	38	AK32-2	85,4	2.300 - 3.400	4.500	1,928
RBU 25030/AK32-2 ST 0,30 SG	658772	0,30	250	30	50	AK32-2	117,5	1.800 - 2.700	3.600	2,260
RBU 25048/AK32-2 ST 0,30 SG	220924	0,30	250	48	50	AK32-2	117,5	1.800 - 2.700	3.600	3,300
RBU 30040/50,8 ST 0,30 SG	616086	0,30	300	40	40	50,8	117,5	1.500 - 2.500	3.000	3,914

Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	kg
RBU 12520/14,0 INOX 0,30 SG	806876	0,30	125	20	30	14,0	25,4	3.200 - 5.200	8.000	0,377
RBU 12528/14,0 INOX 0,30 SG	806883	0,30	125	28	30	14,0	25,4	3.200 - 5.200	8.000	0,600
RBU 15025/AK32-2 INOX 0,30 SG	658789	0,30	150	25	25	AK32-2	50,8	2.400 - 3.900	6.000	0,833
RBU 15038/AK32-2 INOX 0,30 SG	220887	0,30	150	38	25	AK32-2	50,8	2.400 - 3.900	6.000	1,486
RBU 18025/AK32-2 INOX 0,30 SG	658871	0,30	180	25	40	AK32-2	50,8	2.400 - 3.900	6.000	0,928
RBU 20025/AK32-2 INOX 0,30 SG	658895	0,30	200	25	38	AK32-2	85,4	1.800 - 2.900	4.500	1,373
RBU 20038/AK32-2 INOX 0,30 SG	220900	0,30	200	38	38	AK32-2	85,4	1.800 - 2.900	4.500	1,928
RBU 25030/AK32-2 INOX 0,30 SG	658901	0,30	250	30	50	AK32-2	117,5	1.400 - 2.300	3.600	2,260
RBU 25048/AK32-2 INOX 0,30 SG	220931	0,30	250	48	50	AK32-2	117,5	1.400 - 2.300	3.600	3,300

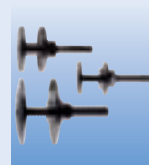


An adapter set AK 32-2 is included with each brush order. Arbor holes contained in set in mm (inches): 31,75/20/18/14/12/25,4 (1)/22,2 (7/8)/19,2 (.750)/16 (5/8), 12,7 (1/2).

Adapter set AM 51 can also be used on applications with high heat development and applications of force.

Exception: Brushes with dia. 100 and 125 mm are supplied with variable arbor holes 22,2/18 and 14 mm. It is not possible to use the adapter set AM 51.

RBU 30040 is supplied with arbor hole 50,8 mm. The arbor hole can be reduced to the required dimension using the adapter set AM 51. Please refer to pages 43-44 for detailed information and ordering data regarding appropriate adapter systems and accessory parts on pages 43-44.



BO 8/12-22,2 5-18 (EAN 4007220**751923**) is suitable for RBU 10020 and 12520, BO 8/22,2 5-10 (EAN 4007220**751930**) for RBU 10028 and 12528 and BO 12/22,2 10-30

(EAN 4007220**561317**) for RBU 15025 and 15038.

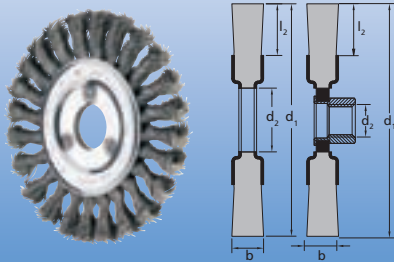
For safety reasons, the use of arbors is limited for brushes with max. dia. 150 mm.

Wheel Brushes

Wheel Brushes with Arbor Hole, Knotted Type



RBG = Wheel brushes, knotted type



For heavy-duty metalworking applications (descaling, rust removal, deburring, weld dressing, removal of adhesive residue).

The knotted type wire is more aggressive than crimped wire.

Packaging unit: 1 piece

Recommendation for use:

Optimal use with high-power output angle grinders.

Ordering example:

EAN 4007220658970

RBG 10012/M14 ST 0,50 SG



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole/thread dia.	Recom. speed [RPM]	Max. speed [RPM]	kg
RBG 10012/M14 ST 0,50 SG	658970	0,50	22	100	12	28	M14x2	10.000 - 15.000	20.000	0,283
RBG 11512/22,2 ST 0,50 SG	153512	0,50	24	115	12	28	22,2	6.300 - 12.500	12.500	0,322
RBG 11512/M14 ST 0,50 SG	658987	0,50	24	115	12	28	M14x2	6.300 - 12.500	12.500	0,322
RBG 12512/22,2 ST 0,50 SG	530597	0,50	24	125	12	33	22,2	5.500 - 11.000	11.000	0,546
RBG 12512/M14 ST 0,50 SG	658994	0,50	24	125	12	33	M14x2	5.500 - 11.000	11.000	0,546
RBG 15013/22,2 ST 0,60 SG	597996	0,60	30	150	13	30	22,2	5.000 - 10.000	10.000	0,596
RBG 17813/22,2 ST 0,50 SG	153413	0,50	30	178	13	42	22,2	4.500 - 8.500	9.000	0,751
RBG 17813/M14 ST 0,50 SG	659007	0,50	30	178	13	42	M14x2	4.500 - 8.500	9.000	0,751
RBG 17813/22,2 ST 0,80 SG	578940	0,80	30	178	13	42	22,2	4.500 - 8.500	9.000	0,751

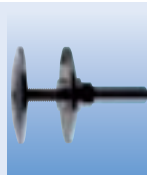
Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole/thread dia.	Recom. speed [RPM]	Max. speed [RPM]	kg
RBG 11512/22,2 INOX 0,35 SG	220795	0,35	24	115	12	28	22,2	5.000 - 12.500	12.500	0,322
RBG 11512/M14 INOX 0,35 SG	659014	0,35	24	115	12	28	M14x2	5.000 - 12.500	12.500	0,322
RBG 12512/22,2 INOX 0,35 SG	530788	0,35	24	125	12	33	22,2	4.400 - 11.000	11.000	0,546
RBG 12512/M14 INOX 0,35 SG	659021	0,35	24	125	12	33	M14x2	4.400 - 11.000	11.000	0,546
RBG 17813/22,2 INOX 0,35 SG	220733	0,35	30	178	13	42	22,2	3.600 - 8.500	9.000	0,751
RBG 17813/M14 INOX 0,35 SG	659038	0,35	30	178	13	42	M14x2	3.600 - 8.500	9.000	0,751



BO 8/22,2 5-10 (EAN 4007220751930) is suitable for all knotted type wheel brushes (RBG) up to dia. 125 mm with arbor hole 22,2 mm.



BO 12/22,2 10-30 (EAN 4007220561317) is suitable for all knotted type wheel brushes (RBG) dia. 150 mm and arbor hole 22,2 mm.

For safety reasons, the use of the arbors is limited for brushes with max. dia. 150 mm!

Please refer to pages 43-44 for detailed information and ordering data regarding matching adapter systems and accessory parts.



For heavy brushing work in metal construction e.g. scale removal, rust removal, deburring, cleaning of weld seams, removal of adhesives. The knotted type wire is more aggressive than crimped wire.

Advantages of the COMBITWIST® knot style:

- Smooth operation, even on corners and edges.
- No "recoiling" of the brush on edges.
- Enhanced tool life.
- Increased stock removal rate.
- Prevention of the knotting becoming "unravelling" in use.

Packaging unit: 1 piece

Recommendation for use:

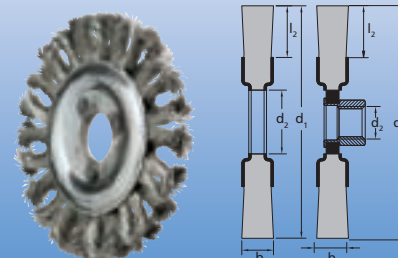
Optimal use with high-power output angle grinders.

Ordering example:

EAN 4007220**593356**

RBG 11512/22,2 CT ST 0,50 SGP

RBG CT = Wheel brushes, knotted type, COMBITWIST®



Steel wire – COMBITWIST® knot style, special line SGP

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole/thread dia.	Recom. speed [RPM]	Max. speed [RPM]	kg
RBG 11512/22,2 CT ST 0,50 SGP	593356	0,50	24	115	12	28	22,2	6.300 - 12.500	12.500	0,322
RBG 11512/M14 CT ST 0,50 SGP	806814	0,50	24	115	12	28	M14x2	6.300 - 12.500	12.500	0,322
RBG 12512/22,2 CT ST 0,50 SGP	593363	0,50	24	125	12	33	22,2	5.500 - 11.000	11.000	0,546
RBG 12512/M14 CT ST 0,50 SGP	806821	0,50	24	125	12	33	M14x2	5.500 - 11.000	11.000	0,546
RBG 17813/22,2 CT ST 0,50 SGP	593370	0,50	30	178	13	42	22,2	4.500 - 8.500	9.000	0,751
RBG 17813/22,2 CT ST 0,80 SGP	593394	0,80	30	178	13	42	22,2	4.500 - 8.500	9.000	0,751

Stainless steel (INOX) wire – COMBITWIST® knot style, special line SGP

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole/thread dia.	Recom. speed [RPM]	Max. speed [RPM]	kg
RBG 11512/22,2 CT INOX 0,35 SGP	593400	0,35	24	115	12	28	22,2	5.000 - 12.500	12.500	0,322
RBG 11512/M14 CT INOX 0,35 SGP	806838	0,35	24	115	12	28	M14x2	5.000 - 12.500	12.500	0,322
RBG 12512/22,2 CT INOX 0,35 SGP	593417	0,35	24	125	12	33	22,2	4.400 - 11.000	11.000	0,546
RBG 12512/M14 CT INOX 0,35 SGP	806845	0,35	24	125	12	33	M14x2	4.400 - 11.000	11.000	0,546
RBG 17813/22,2 CT INOX 0,35 SGP	593424	0,35	30	178	13	42	22,2	3.600 - 8.500	9.000	0,751



BO 8/22,2 5-10 (EAN 4007220**51930**) is suitable for all knotted type wheel brushes (RBG) up to dia. 125 mm with arbor hole 22,2 mm.

For safety reasons, the use of the arbors is limited for brushes with max. dia. 150 mm!

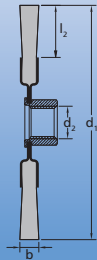
Please refer to pages 43-44 for detailed information and ordering data on appropriate adapter systems and accessory parts.

Wheel Brushes

Wheel Brushes for Angle Grinders, Individual Filament Type



RBU = Wheel brushes individual filament type, for use on angle grinders



Suitable for medium-heavy brushing (scale removal, rust removal, light deburring, cleaning of welding seams).

Individual filament type brushes are more flexible and produced a finer surface compared to knotted type. They are not as aggressive as knotted types.

Recommendation for use:

Suitable for use on angle grinders. For optimal performance, use RPM adjustable angle grinders.

Ordering example:

EAN 4007220**806968**

RBU 11512/ M14 ST 0,30 SG



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]		
RBU 11512/M14 ST 0,30 SG	806968	0,30	115	12	25	M14x2	6.300 - 12.500	12.500	1	0,258
RBU 12512/M14 ST 0,30 SG	806975	0,30	125	12	15	M14x2	5.500 - 11.000	11.000	1	0,403

Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degassed.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]		
RBU 11512/M14 INOX 0,30 SG	806982	0,30	115	12	25	M14x2	5.000 - 12.500	12.500	1	0,258
RBU 12512/M14 INOX 0,30 SG	806999	0,30	125	12	15	M14x2	4.400 - 11.000	11.000	1	0,403





Ideal for use in heavy brushing work for pipeline and container construction. This extra slim brush design is perfect for work in hard-to-reach places (e.g. root weld seams).

Highly aggressive and robust brush, which is able to withstand high mechanical loads.

Packaging unit: 10 pcs.
Wire dia. 0,50 mm

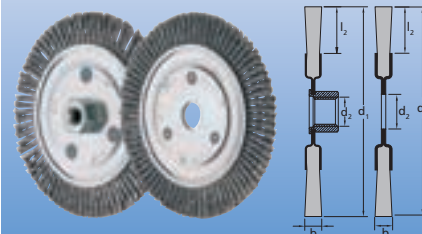
Recommendation for use:

Optimal use with high-power output angle grinders.

Ordering example:

EAN 4007220750810
RBG 10006/16,0 PIPE ST 0,50 SG

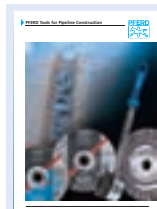
RBG PIPE = Wheel brushes, knotted type, pipeline



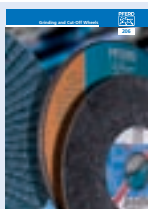
Steel wire, performance line SG

Order No.	EAN 4007220	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole/thread dia.	Recom. speed [RPM]	Max. speed [RPM]	kg
RBG 10006/16,0 PIPE ST 0,50 SG	750810	32	100	6	19	16,0	10.000 - 15.000	20.000	2,028
RBG 10006/M14 PIPE ST 0,50 SG	750872	32	100	6	19	M14x2	10.000 - 15.000	20.000	2,028
RBG 10006/5/8 PIPE ST 0,50 SG	750889	32	100	6	19	5/8-11	10.000 - 15.000	20.000	2,028
RBG 10006/M10x1,25 PIPE ST 0,50 SG	750896	32	100	6	19	M10x1,25	10.000 - 15.000	20.000	2,028
RBG 10006/M10x1,50 PIPE ST 0,50 SG	750919	32	100	6	19	M10x1,50	10.000 - 15.000	20.000	2,028
RBG 11506/22,2 PIPE ST 0,50 SG	750926	36	115	6	19	22,2	6.300 - 12.500	12.500	2,516
RBG 11506/M14 PIPE ST 0,50 SG	750933	36	115	6	19	M14x2	6.300 - 12.500	12.500	2,516
RBG 11506/5/8 PIPE ST 0,50 SG	750940	36	115	6	19	5/8-11	6.300 - 12.500	12.500	2,516
RBG 12506/22,2 PIPE ST 0,50 SG	750957	48	125	6	19	22,2	5.500 - 11.000	11.000	4,336
RBG 12506/M14 PIPE ST 0,50 SG	750995	48	125	6	19	M14x2	5.500 - 11.000	11.000	4,336
RBG 12506/5/8 PIPE ST 0,50 SG	751008	48	125	6	19	5/8-11	5.500 - 11.000	11.000	4,336
RBG 15006/22,2 PIPE ST 0,50 SG	751015	56	150	6	30	22,2	5.000 - 10.000	10.000	5,503
RBG 15006/M14 PIPE ST 0,50 SG	751022	56	150	6	30	M14x2	5.000 - 10.000	10.000	5,503
RBG 15006/5/8 PIPE ST 0,50 SG	751039	56	150	6	30	5/8-11	5.000 - 10.000	10.000	5,503
RBG 17804/22,2 PIPE ST 0,50 76Z SG	751046	76	178	4	28	22,2	4.500 - 8.500	9.000	7,054
RBG 17804/M14 PIPE ST 0,50 76Z SG	751053	76	178	4	28	M14x2	4.500 - 8.500	9.000	7,054
RBG 17804/5/8 PIPE ST 0,50 76Z SG	751060	76	178	4	28	5/8-11	4.500 - 8.500	9.000	7,054
RBG 17806/22,2 PIPE ST 0,50 56Z SG	751077	56	178	6	28	22,2	4.500 - 8.500	9.000	7,104
RBG 17806/M14 PIPE ST 0,50 56Z SG	751084	56	178	6	28	M14x2	4.500 - 8.500	9.000	7,104
RBG 17806/5/8 PIPE ST 0,50 56Z SG	751091	56	178	6	28	5/8-11	4.500 - 8.500	9.000	7,104
RBG 17806/22,2 PIPE ST 0,50 76Z SG	751107	76	178	6	28	22,2	4.500 - 8.500	9.000	7,574
RBG 17806/M14 PIPE ST 0,50 76Z SG	751114	76	178	6	28	M14x2	4.500 - 8.500	9.000	7,574
RBG 17806/5/8 PIPE ST 0,50 76Z SG	751121	76	178	6	28	5/8-11	4.500 - 8.500	9.000	7,574

Continued on next page.



Please refer to the brochure "Pferd Tools for Pipeline Construction" for more detailed information.



Please refer to catalogue 206 for detailed information and ordering data on PFERD reinforced grinding wheels for pipelines.

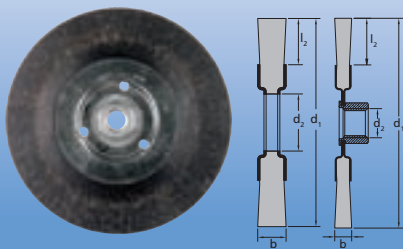
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Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole/thread dia.	Recom. speed [RPM]	Max. speed [RPM]	
RBG 10006/16,0 PIPE INOX 0,50 SG	751220	32	100	6	19	16,0	8.000 - 15.000	20.000	2,028
RBG 10006/M14 PIPE INOX 0,50 SG	751237	32	100	6	19	M14x2	8.000 - 15.000	20.000	2,028
RBG 10006/5/8 PIPE INOX 0,50 SG	751244	32	100	6	19	5/8-11	8.000 - 15.000	20.000	2,028
RBG 10006/M10x1,25 PIPE INOX 0,50 SG	751251	32	100	6	19	M10x1,25	8.000 - 15.000	20.000	2,028
RBG 10006/M10x1,50 PIPE INOX 0,50 SG	751268	32	100	6	19	M10x1,50	8.000 - 15.000	20.000	2,028
RBG 11506/22,2 PIPE INOX 0,50 SG	751275	36	115	6	19	22,2	5.000 - 12.500	12.500	2,516
RBG 11506/M14 PIPE INOX 0,50 SG	751305	36	115	6	19	M14x2	5.000 - 12.500	12.500	2,516
RBG 11506/5/8 PIPE INOX 0,50 SG	751312	36	115	6	19	5/8-11	5.000 - 12.500	12.500	2,516
RBG 12506/22,2 PIPE INOX 0,50 SG	751329	48	125	6	19	22,2	4.400 - 11.000	11.000	4,336
RBG 12506/M14 PIPE INOX 0,50 SG	751343	48	125	6	19	M14x2	4.400 - 11.000	11.000	4,336
RBG 12506/5/8 PIPE INOX 0,50 SG	751350	48	125	6	19	5/8-11	4.400 - 11.000	11.000	4,336
RBG 15006/22,2 PIPE INOX 0,50 SG	751367	56	125	6	30	22,2	4.000 - 10.000	10.000	5,503
RBG 15006/M14 PIPE INOX 0,50 SG	751374	56	150	6	30	M14x2	4.000 - 10.000	10.000	5,503
RBG 15006/5/8 PIPE INOX 0,50 SG	751381	56	150	6	30	5/8-11	4.000 - 10.000	10.000	5,503
RBG 17806/22,2 PIPE INOX 0,50 76Z SG	751398	76	178	6	28	22,2	3.600 - 8.500	9.000	7,574
RBG 17806/M14 PIPE INOX 0,50 76Z SG	751404	76	178	6	28	M14x2	3.600 - 8.500	9.000	7,574
RBG 17806/5/8 PIPE INOX 0,50 76Z SG	751411	76	178	6	28	5/8-11	3.600 - 8.500	9.000	7,574

RBV PIPE = Wheel brushes, knotted type, pipeline, encapsulated



The extremely slim brush design and hard encapsulation material [E4, E5] combine to provide high precision control and very aggressive grinding in hard-to-reach areas (e.g. when dressing root and cover passes of V-groove welds).

Packaging unit: 10 pcs.

Recommendation for use:

Suitable for use on angle grinders (up to 80 m/s).

Ordering example:

EAN 4007220751428

RBV 17806/22,2 PIPE ST 0,35 E4 SG



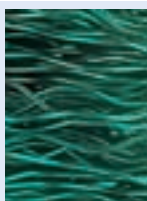
Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole/thread dia.	Recom. speed [RPM]	Max. speed [RPM]	
RBV 17806/22,2 PIPE ST 0,35 E4 SG	751428	0,35	178	6	28	22,2	4.500 - 8.500	9.000	2,304
RBV 17806/22,2 PIPE ST 0,35 E5 SG	751435	0,35	178	6	28	22,2	4.500 - 8.500	9.000	2,304
RBV 17806/M14 PIPE ST 0,35 E4 SG	751442	0,35	178	6	28	M14x2	4.500 - 8.500	9.000	2,304
RBV 17806/M14 PIPE ST 0,35 E5 SG	751459	0,35	178	6	28	M14x2	4.500 - 8.500	9.000	2,304
RBV 17806/5/8 PIPE ST 0,35 E4 SG	751466	0,35	178	6	28	5/8-11	4.500 - 8.500	9.000	2,304
RBV 17806/5/8 PIPE ST 0,35 E5 SG	751473	0,35	178	6	28	5/8-11	4.500 - 8.500	9.000	2,304

Hardness grade E3 (highly aggressive)

Aggressive enough for most applications. Best grade for general use.

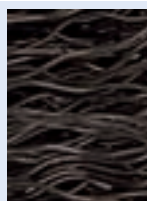
colour: green



Hardness grade E4 (extremely aggressive)

For higher pressure applications and excessive heat.

colour: black



Hardness grade E5 (extremely aggressive)

Super aggressive, tough cleaning, for most severe applications.

colour: blue



Suitable for heavy brushing work in pipeline and container construction.

The extra slim design of these brushes is perfect for work in hard-to-reach areas (e.g. root weld seams).

Highly aggressive and robust brush, which is able to withstand large mechanical loads.

Advantages of the COMBITWIST® knot style:

- Smooth operation, even on corners and edges.
- No "recoiling" of the brush on edges.
- Enhanced tool life.
- Increased stock removal rate.
- Prevention of the knotting becoming "unravelling" in use.

Packaging unit: 10 pcs.

Recommendation for use:

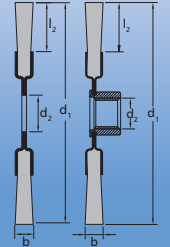
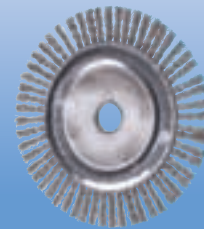
Optimal use with high-performance angle grinders.

Ordering example:

EAN 4007220**751138**

RBG 17806/22,2 PIPE CT ST 0,50 56Z SGP

RBG PIPE CT = Wheel brushes, knotted type, pipeline, COMBITWIST®

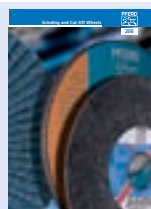


Steel wire – COMBITWIST® knot style, special line SGP

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole/thread dia.	Recom. speed [RPM]	Max. speed [RPM]	
RBG 17806/22,2 PIPE CT ST 0,50 56Z SGP	751138	0,50	56	178	6	28	22,2	4.500 - 8.500	9.000	7,104
RBG 17806/M14 PIPE CT ST 0,50 56Z SGP	751169	0,50	56	178	6	28	M14x2	4.500 - 8.500	9.000	7,104
RBG 17806/5/8 PIPE CT ST 0,50 56Z SGP	751183	0,50	56	178	6	28	5/8-11	4.500 - 8.500	9.000	7,104
RBG 17806/22,2 PIPE CT ST 0,50 72Z SGP	751190	0,50	72	178	6	28	22,2	4.500 - 8.500	9.000	7,574
RBG 17806/M14 PIPE CT ST 0,50 72Z SGP	751206	0,50	72	178	6	28	M14x2	4.500 - 8.500	9.000	7,574
RBG 17806/5/8 PIPE CT ST 0,50 72Z SGP	751213	0,50	72	178	6	28	5/8-11	4.500 - 8.500	9.000	7,574



Please refer to the brochure "Pferd Tools for Pipeline Construction" for more detailed information.



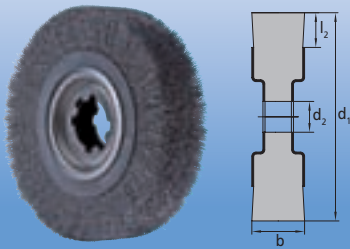
Please refer to catalogue 206 for detailed information and ordering data on PFERD reinforced grinding wheels for pipelines.

Wheel Brushes

Deburring Brushes, Individual Filament Type



RBU = Wheel brushes, individual filament type, deburring brush



Particularly suitable for deburring pipes, cut edges and small parts on stationary machines. Brushes with cord wire fillings (LIT = cord brass-plated steel wire) are suitable for heavy brushing work. In comparison to crimped filament type brushes, this special wire construction allows even more aggressive brushing.

Recommendation for use:

Suitable for use on all commercially available stationary deburring machines.

Ordering example:

EAN 4007220**807040**

RBU 25060/50,8 ST 0,20 SG



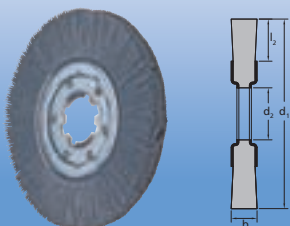
Steel wire, performance line SG

Order No.	Wire dia.d ₆ [mm]			Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,20	0,35	0,50									
	EAN 4007220											
RBU 25060/50,8 ST ... SG	807040	807057	807064	250	60	50	50,8	100	1.800 - 2.700	3.600	1	3,720
RBU 25060/50,8 LIT ST ... SG	-	807118	-	250	60	50	50,8	100	1.800 - 2.700	3.600	1	3,720
RBU 25080/50,8 ST ... SG	-	807071	807088	250	80	50	50,8	100	1.800 - 2.700	3.600	1	4,720
RBU 25080/50,8 LIT ST ... SG	-	807125	-	250	80	50	50,8	100	1.800 - 2.700	3.600	1	4,720
RBU 250100/50,8 ST ... SG	-	807095	807101	250	100	50	50,8	100	1.800 - 2.700	3.600	1	5,620

Stainless steel (INOX) wire, performance line SG

Order No.	Wire dia.d ₆ [mm]			Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,20	0,35	0,50									
	EAN 4007220											
RBU 25060/50,8 INOX ... SG	807132	807149	807156	250	60	50	50,8	100	1.400 - 2.300	3.600	1	3,720
RBU 25060/50,8 LIT INOX ... SG	-	807200	-	250	60	50	50,8	100	1.400 - 2.300	3.600	1	3,720
RBU 25080/50,8 INOX ... SG	-	807163	807170	250	80	50	50,8	100	1.400 - 2.300	3.600	1	4,720
RBU 25080/50,8 LIT INOX ... SG	-	807217	-	250	80	50	50,8	100	1.400 - 2.300	3.600	1	4,720
RBU 250100/50,8 INOX ... SG	-	807187	807194	250	100	50	50,8	100	1.400 - 2.300	3.600	1	5,620

RBU = Wheel brushes, individual filament type, deburring brush



Deburring brushes with SiC filling are particularly suitable for deburring complicated components e.g. cylinder heads or gear toothing. The longer trim length and therefore higher flexibility make this product ideal for work on complex components made of aluminium.

Recommendation for use:

Basically for use on stationary machines, machining centres and robots.



Plastic (SiC), performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
RBU 20013/50,8 SiC 120 0,55 SG	807248	0,55	200	13	43	50,8	2.400 - 3.900	6.000	1	0,720
RBU 20013/50,8 SiC 180 0,90 SG	807255	0,90	200	13	43	50,8	2.400 - 3.900	6.000	1	0,720
RBU 20013/50,8 SiC 320 0,55 SG	807262	0,55	200	13	43	50,8	2.400 - 3.900	6.000	1	0,720
RBU 25015/50,8 SiC 120 0,55 SG	807279	0,55	250	15	55	50,8	1.400 - 2.300	3.600	1	0,920
RBU 25015/50,8 SiC 180 0,90 SG	807286	0,90	250	15	55	50,8	1.400 - 2.300	3.600	1	0,920
RBU 25015/50,8 SiC 320 0,55 SG	807293	0,55	250	15	55	50,8	1.400 - 2.300	3.600	1	0,920



Suitable for light-to-medium brushing work in stationary machines.

Rugged wheel brush with short, dense fill for general shop use.

Packaging unit: 1 piece

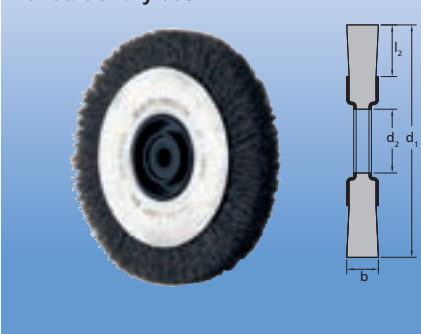
Recommendation for use:

Thanks to their variable arbor hole diameter these brushes can be mounted in any standard drive unit. Developed for use on bench grinders.

Ordering example:

EAN 4007220658918
RBU 15020 T/AK51 ST 0,20 SG

RBU T = Wheel brushes with variable arbor hole, individual filament type, for stationary use



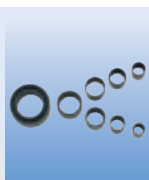
Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia. [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	kg
RBU 15020 T/AK51 ST 0,20 SG	658918	0,20	150	20	22	AK 51	50,8	3.000 - 4.500	6.000	0,769
RBU 15020 T/AK51 ST 0,35 SG	530498	0,35	150	20	22	AK 51	50,8	3.000 - 4.500	6.000	0,769
RBU 18020 T/AK51 ST 0,20 SG	806920	0,20	180	20	34	AK 51	50,8	3.000 - 4.500	6.000	0,856
RBU 18020 T/AK51 ST 0,35 SG	806937	0,35	180	20	34	AK 51	50,8	3.000 - 4.500	6.000	0,856
RBU 20020 T/AK51 ST 0,20 SG	658925	0,20	200	20	25	AK 51	50,8	2.300 - 3.400	4.500	1,171
RBU 20020 T/AK51 ST 0,35 SG	530504	0,35	200	20	25	AK 51	50,8	2.300 - 3.400	4.500	1,171

Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia. [mm]	Basic hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	kg
RBU 15020 T/AK51 INOX 0,20 SG	658932	0,20	150	20	22	AK 51	50,8	2.400 - 3.900	6.000	0,769
RBU 15020 T/AK51 INOX 0,35 SG	658949	0,35	150	20	22	AK 51	50,8	2.400 - 3.900	6.000	0,769
RBU 18020 T/AK51 INOX 0,20 SG	806944	0,20	180	20	34	AK 51	50,8	2.400 - 3.900	6.000	0,856
RBU 18020 T/AK51 INOX 0,35 SG	806951	0,35	180	20	34	AK 51	50,8	2.400 - 3.900	6.000	0,856
RBU 20020 T/AK51 INOX 0,20 SG	658956	0,20	200	20	25	AK 51	50,8	1.800 - 2.900	4.500	1,171
RBU 20020 T/AK51 INOX 0,35 SG	658963	0,35	200	20	25	AK 51	50,8	1.800 - 2.900	4.500	1,171



An adapter set AK 51 (EAN 4007220608609) is included with each brush order.

Arbor holes contained in set in mm (inch):

32, 20, 18, 14, 12
25,4 (1), 22,2 (7/8), 16 (5/8), 12,7 (1/2)

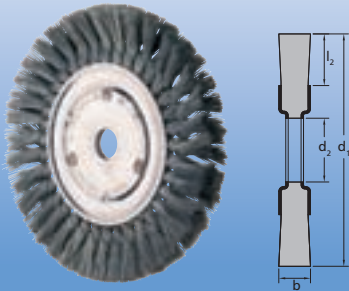
Please refer to pages 43-44 for detailed information and ordering data regarding appropriate adapter systems and accessory parts.

Wheel Brushes

Wheel Brushes with Arbor Hole, for Stationary Use, Knotted Type



RBG T = Wheel brushes, knotted type, for stationary use



Suitable for all medium-heavy brushing work in stationary and automated applications (e.g. deburring work).

Soft brush effect due to special knot style.

Packaging unit: 1 piece

Recommendation for use:

Suitable drive systems: stationary machines, bench grinders.

Ordering example:

EAN 4007220**530795**

RBG 15016 T/22,2 ST 0,30 SG



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d_2 [mm]	No. of knots	Brush dia. d_1 [mm]	Trim width b [mm]	Trim length l_2 [mm]	Arbor hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	
RBG 15016 T/22,2 ST 0,30 SG	530795	0,30	33	150	16	29	22,2	4.500 - 6.800	9.000	0,646
RBG 20016 T/22,2 ST 0,30 SG	530801	0,30	36	200	16	40	22,2	3.500 - 5.300	7.000	1,100
RBG 25019 T/22,2 ST 0,30 SG	530818	0,30	50	250	19	54	22,2	2.700 - 4.100	5.400	1,696





Ideal for surface structuring of large-area workpieces.

PFERD offers three different trim materials to suit different requirements:

Steel wire (cord wire):

Brushes with cord wire are suitable for very heavy brushing work. The special wire construction produces an aggressive brushing action.

Stainless steel (INOX) wire

Brushes with stainless steel (INOX) fillings are suitable for structuring stainless steel (INOX) workpieces.

Plastic (SiC)

Brushes with SiC fillings are suitable for structuring steel, stainless steel (INOX) and wood and are suitable for fine deburring of bores and cut outs on large-area parts.

Recommendation for use:

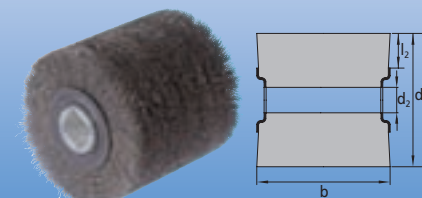
Optimum operation with burnishing machines.

Ordering example:

EAN 4007220773086

WBU 100100/19,1 ST 0,27 LIT SG

WBU = Wheel brushes for burnishing machines, individual filament type



Steel wire (cord wire), performance line SG

Arbor hole with four keyways. Steel wire = brass-plated steel wire

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]		
WBU 100100/19,1 ST 0,27 LIT SG	773086	0,27	100	100	26	19,1	3.000 - 4.500	6.000	1	1,329

Stainless steel (INOX) wire, performance line SG

Arbor hole with four keyways.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]		
WBU 100100/19,1 INOX 0,20 SG	773079	0,20	100	100	26	19,1	2.400 - 3.900	6.000	1	1,329

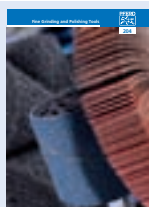
Plastic (SiC), performance line SG

Arbor hole with four keyways.

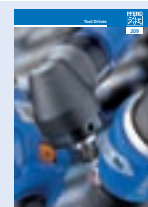
Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]		
WBU 100100/19,1 SiC 80 1,27 SG	773062	1,27	100	100	26	19,1	2.400 - 3.900	6.000	1	0,966



High-performance electric grinding drum drive in a set with PFERD tools for cleaning, dash-dot matting and finest grinding of large surfaces, particularly on stainless steel (INOX).



Please refer to catalogue 204 for detailed information and ordering data regarding further roller/drum tools and sets.



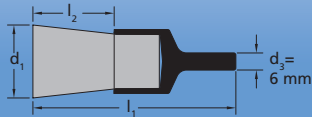
Please refer to catalogue 209 for detailed information and ordering data on suitable roll drives.

Mounted Pencil Brushes

Mounted Pencil Brushes, Individual Filament Type



PBU = Mounted pencil brushes, individual filament type



Suitable for all light-duty brushing tasks. The wires or filaments spread out (fill expands) as the brush rotates. Ideal for deburring, cleaning and rust removal of even hard-to-reach surfaces, e.g. inside bores and cavities, become accessible in this manner.

Recommendation for use:

Minimum recommended drive output 300 watts.

Ordering example:

EAN 4007220530887

PBU 1010/6 ST 0,20 SG

Please state the required wire dia.



Steel wire, performance line SG

Order No.	Wire dia. d ₆ [mm]			Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,20	0,35	0,50							
	EAN 4007220									
PBU 1010/6 ST ... SG	530887	153277	-	10	20	65	10,000 - 15,000	20,000	10	0,180
PBU 1212/6 ST ... SG	562574	562581	-	13	20	65	10,000 - 15,000	20,000	10	0,236
PBU 1516/6 ST ... SG	530894	153253	-	15	22	65	9,000 - 13,500	18,000	10	0,366
PBU 2020/6 ST ... SG	530900	-	153222	20	25	70	9,000 - 13,500	18,000	10	0,662
PBU 3029/6 ST ... SG	530917	-	153192	30	25	70	7,500 - 11,300	15,000	10	0,944

Stainless steel (INOX) wire, performance line SG

Delivery with plastic-covered brush bodies. All stainless steel (INOX) brushes are degreased.

Order No.	Wire dia. d ₆ [mm]				Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,15	0,20	0,35	0,50							
	EAN 4007220										
PBU 1010/6 INOX ... SG	598023	530924	153291	-	10	20	65	8.000 - 13.000	20.000	10	0,180
PBU 1212/6 INOX ... SG	598030	562598	562604	-	13	20	65	8.000 - 13.000	20.000	10	0,236
PBU 1516/6 INOX ... SG	598047	530931	153260	-	15	22	65	7.200 - 11.700	18.000	10	0,366
PBU 2020/6 INOX ... SG	598054	530948	-	153246	20	25	70	7.200 - 11.700	18.000	10	0,662
PBU 3029/6 INOX ... SG	598061	530955	-	153215	30	25	70	6.000 - 9.800	15.000	10	0,944

Brass wire, performance line SG

Order No.	Wire dia. d ₆ [mm]		Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,30	0,50							
	EAN 4007220								
PBU 1010/6 MES ... SG	153284	-	10	20	65	8.000 - 13.000	20.000	10	0,180
PBU 1212/6 MES ... SG	562611	-	13	20	65	8.000 - 13.000	20.000	10	0,236
PBU 1516/6 MES ... SG	220672	-	15	22	65	7.200 - 11.700	18.000	10	0,366
PBU 2020/6 MES ... SG	-	153239	20	25	70	7.200 - 11.700	18.000	10	0,662
PBU 3029/6 MES ... SG	-	153208	30	25	70	6.000 - 9.800	15.000	10	0,944

Plastic (SiC), performance line SG

Order No.	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,90							
	EAN 4007220							
PBU 1010/6 SiC 180 ... SG	220696	10	20	65	8.000 - 13.000	20.000	10	0,140
PBU 1212/6 SiC 180 ... SG	562628	13	20	65	8.000 - 13.000	20.000	10	0,216
PBU 1516/6 SiC 180 ... SG	220689	15	22	65	7.200 - 11.700	18.000	10	0,276
PBU 2020/6 SiC 180 ... SG	220665	20	25	70	7.200 - 11.700	18.000	10	0,522
PBU 3029/6 SiC 180 ... SG	220658	30	25	70	6.000 - 9.800	15.000	10	0,674



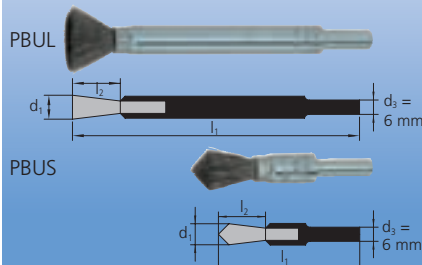
For particular applications, PFERD offers brushes in special shapes:

PBUL: Extra long version for use in hard-to-reach places.

PBUS: Pointed conical shape for highly focused brushing in difficult areas.

Ordering example:
 EAN 4007220**659199**
 PBUL 1010/6 ST 0,20 SG
 Please state the required wire dia.

PBUL = Mounted pencil brushes, individual filament type, long version
PBUS = Mounted pencil brushes, individual filament type, pointed version



Steel wire, performance line SG

Order No.	Wire dia. d ₆ [mm]		Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,20	0,30							
	EAN 4007220								
PBUL 1010/6 ST ... SG	659199	659205	10	20	120	4.000 - 9.500	20.000	10	0,569
PBUS 1010/6 ST ... SG	-	659243	10	20	60	10.000 - 15.000	20.000	10	0,170

Stainless steel (INOX) wire, performance line SG

Order No.	Wire dia. d ₆ [mm]		Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,20	0,30							
	EAN 4007220								
PBUL 1010/6 INOX ... SG	659212	659229	10	20	120	3.500 - 9.000	20.000	10	0,569
PBUS 1010/6 INOX ... SG	-	659250	10	20	60	8.000 - 13.000	20.000	10	0,170

Mounted Pencil Brushes, Encapsulated



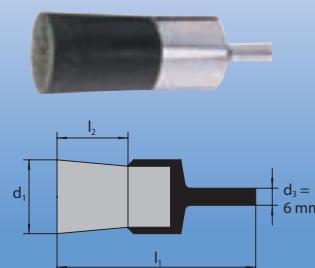
Suitable for medium-heavy brushing work. The brushes are used face side. This intensifies the brushing effect.

The brush should be used face down to achieve the best abrasive effect. Face-down spot grinding gives best access to recesses and bores (Hardness grade E3 for universal use). The steel fill is encapsulated in plastic for closely focused brushing.

Please refer to page 16 for detailed information on hardness grades.

Recommendation for use:
 Minimum recommended power 300 watts.

PBV = Mounted pencil brushes, encapsulated



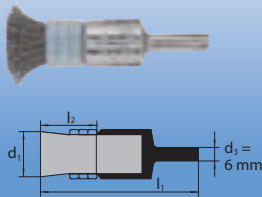
Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d_6 [mm]	Brush dia. d_1 [mm]	Trim length l_2 [mm]	Overall length l_1 [mm]	Recom. speed [RPM]	Max. speed [RPM]		
PBV 2222/6 ST 0,25 SG	153321	0,25	22	25	70	6.500 - 9.800	13.000	10	0,832
PBV 3030/6 ST 0,35 SG	531112	0,35	30	25	70	6.500 - 9.800	13.000	10	1,214

Mounted Pencil Brushes

Mounted Pencil Brushes, with Limiting Rings

PBUR = Mounted pencil brushes, individual filament type, with limiting rings



Suitable for light brushing and ideal for deburring, cleaning and rust removal. The removable plastic rings provide convenient control of fill spread and flexibility. The brush can thus be ideally focused on hard-to-reach spots, e.g. inside bores and cavities.

Recommendation for use:

Recommended drive power 300 watts.



Steel wire, special line SGP

Order No.	Wire dia.d ₆ [mm]		Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,20	0,35							
	EAN 4007220								
PBUR 1212/6 ST ... SGP	530962	530979	13	25	70	7.500 - 11.300	15.000	10	0,376
PBUR 2020/6 ST ... SGP	530986	530993	20	25	70	6.300 - 9.400	12.500	10	0,642
PBUR 2525/6 ST ... SGP	531006	531013	25	25	70	6.300 - 9.400	12.500	10	0,944

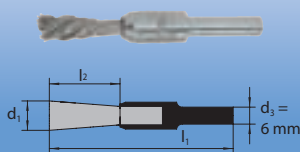
Stainless steel (INOX) wire, special line SGP

Delivery with plastic-covered brush bodies. All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
PBUR 1212/6 INOX ... SGP	531020	0,20	13	25	70	6.000 - 9.800	15.000	10	0,376
PBUR 2020/6 INOX ... SGP	531037	0,20	20	25	70	5.000 - 8.100	12.500	10	0,642
PBUR 2525/6 INOX ... SGP	531044	0,20	25	25	70	5.000 - 8.100	12.500	10	0,944

Mounted Pencil Brushes, Knotted Type

PBGS = Mounted pencil brushes, knotted type, SINGLETWIST®



Particularly flexible single-knot brush for special applications. Developed for work on inside corners.

The knot design is twisted against the brush running direction. This prevents the brush from unravelling during operation.

Ordering example:

EAN 4007220**659267**

PBGS 1010/6 ST 0,20 SGP

Please state required wire dia.



Steel wire - SINGLETWIST® knot style, special line SGP

Order No.	Wire dia.d ₆ [mm]			No. of knots	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,20	0,35	0,50								
	EAN 4007220										
PBGS 1010/6 ST ... SGP	659267	659274	659281	1	10	25	65	5.000 - 7.500	10.000	10	0,170
PBGS 1212/6 ST ... SGP	807002	-	-	1	12	28	71	5.000 - 7.500	10.000	10	0,200

Stainless steel (INOX) wire - SINGLETWIST® knot style, special line SGP

Delivery with plastic-covered brush bodies. All stainless steel (INOX) brushes are degreased.

Order No.	Wire dia.d ₆ [mm]			No. of knots	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,20	0,35	0,50								
	EAN 4007220										
PBGS 1010/6 INOX ... SGP	659298	659304	659311	1	10	25	65	4.000 - 6.500	10.000	10	0,170
PBGS 1212/6 INOX ... SGP	807019	-	-	1	12	28	71	4.000 - 6.500	10.000	10	0,200



Suitable for medium-light brushing and ideal for deburring, cleaning and rust removal.

The wires or filaments spread out (fill expands) as the brush rotates. Even hard-to-reach areas, e.g. inside bores and cavities, become accessible in this manner.

Recommendation for use:

Use adjustable RPM motors if possible for better splay control of the brush. Minimum recommended drive capacity 500 watts.

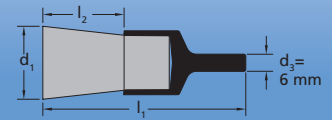
Ordering example:

EAN 4007220**153314**

PBG 1919/6 ST 0,35 SG

Please state required wire dia.

PBG = Mounted pencil brushes, knotted type



Steel wire, performance line SG

Order No.	Wire dia.d ₆ [mm]		No. of knots	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,35	0,50								
	EAN 4007220									
PBG 1919/6 ST ... SG	153314	531051	6	19	28	68	10.000 - 15.000	20.000	10	0,552
PBG 2525/6 ST ... SG	531068	531075	12	25	25	68	8.000 - 11.300	20.000	10	1,004

Stainless steel (INOX) wire, performance line SG

Delivery with plastic-covered brush bodies. All INOX brushes are degreased.

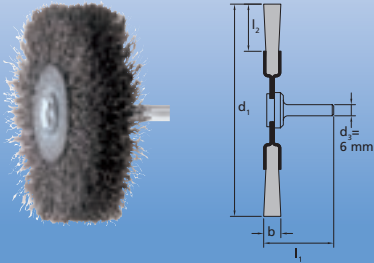
Order No.	Wire dia.d ₆ [mm]			No. of knots	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
	0,15	0,35	0,60								
	EAN 4007220										
PBG 1919/6 INOX ... SG	598078	220702	531082	6	19	28	68	8.000 - 13.000	20.000	10	0,552
PBG 2525/6 INOX ... SG	598085	531099	531105	12	25	25	68	6.000 - 9.800	20.000	10	1,004



Mounted Wheel Brushes

Mounted Wheel Brushes, Individual Filament Type

RBU = Mounted wheel brushes, individual filament type



Suitable for universal cleaning, rust removal, smoothing, descaling, weld dressing on cast iron, light deburring and removal of corrosion or coatings.

Recommendation for use:

Minimum recommended power 300 watts.

Ordering example:

EAN 4007220**152980**

RBU 2004/6 ST 0,20 SG



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
RBU 2004/6 ST 0,20 SG	152980	0,20	20	4	3	37	10.000 - 15.000	20.000	10	0,170
RBU 3006/6 ST 0,20 SG	153017	0,20	30	6	7	40	10.000 - 15.000	20.000	10	0,246
RBU 4009/6 ST 0,20 SG	153048	0,20	40	9	9	46	9.000 - 13.500	18.000	10	0,492
RBU 5004/6 ST 0,20 SG	806593	0,20	50	4	9	41	7.500 - 11.300	15.000	10	0,484
RBU 5015/6 ST 0,20 SG	153079	0,20	50	15	13	50	7.500 - 11.300	15.000	10	0,784
RBU 6015/6 ST 0,20 SG	658437	0,20	60	15	15	50	7.500 - 11.300	15.000	10	0,926
RBU 7004/6 ST 0,20 SG	806609	0,20	70	4	9	41	6.000 - 9.000	12.000	10	1,075
RBU 7010/6 ST 0,30 SG	658444	0,30	70	10	19	50	7.500 - 11.300	15.000	10	1,345
RBU 7015/6 ST 0,30 SG	153109	0,30	70	15	19	50	7.500 - 11.300	15.000	10	1,425
RBU 8004/6 ST 0,20 SG	806616	0,20	80	4	10	41	6.000 - 9.000	12.000	10	1,165
RBU 8015/6 ST 0,30 SG	153130	0,30	80	15	19	50	6.000 - 9.000	12.000	10	1,685
RBU 10010/6 ST 0,30 SG	658451	0,30	100	10	20	50	2.200 - 3.400	4.500	10	1,710

Stainless steel (INOX) wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
RBU 2004/6 INOX 0,20 SG	153000	0,20	20	4	3	37	8.000 - 13.000	20.000	10	0,170
RBU 3006/6 INOX 0,20 SG	153031	0,20	30	6	7	40	8.000 - 13.000	20.000	10	0,246
RBU 4009/6 INOX 0,20 SG	153062	0,20	40	9	9	46	7.200 - 11.700	18.000	10	0,492
RBU 5004/6 INOX 0,20 SG	806623	0,20	50	4	9	41	6.000 - 9.800	15.000	10	0,484
RBU 5015/6 INOX 0,20 SG	153093	0,20	50	15	13	50	6.000 - 9.800	15.000	10	0,784
RBU 6015/6 INOX 0,20 SG	658468	0,20	60	15	15	50	6.000 - 9.800	15.000	10	0,926
RBU 7004/6 INOX 0,20 SG	806630	0,20	70	4	9	41	4.800 - 7.800	12.000	10	1,075
RBU 7010/6 INOX 0,20 SG	597835	0,20	70	10	19	50	6.000 - 9.800	15.000	10	1,345
RBU 7015/6 INOX 0,15 SG	597842	0,15	70	15	19	50	6.000 - 9.800	15.000	10	1,425
RBU 7015/6 INOX 0,30 SG	153123	0,30	70	15	19	50	6.000 - 9.800	15.000	10	1,425
RBU 8004/6 INOX 0,20 SG	806647	0,20	80	4	10	41	4.800 - 7.800	12.000	10	1,165
RBU 8010/6 INOX 0,20 SG	578919	0,20	80	10	19	50	4.800 - 7.800	12.000	10	1,165
RBU 8015/6 INOX 0,15 SG	597859	0,15	80	15	19	50	4.800 - 7.800	12.000	10	1,685
RBU 8015/6 INOX 0,30 SG	153154	0,30	80	15	19	50	4.800 - 7.800	12.000	10	1,685
RBU 10010/6 INOX 0,30 SG	658475	0,30	100	10	20	50	1.800 - 2.900	4.500	10	1,710

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Brass wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
RBU 2004/6 MES 0,20 SG	152997	0,20	20	4	3	37	8.000 - 13.000	20.000	10	0,170
RBU 3006/6 MES 0,20 SG	153024	0,20	30	6	7	40	8.000 - 13.000	20.000	10	0,246
RBU 4009/6 MES 0,20 SG	153055	0,20	40	9	9	46	7.200 - 11.700	18.000	10	0,492
RBU 5015/6 MES 0,20 SG	153086	0,20	50	15	13	50	6.000 - 9.800	15.000	10	0,784
RBU 7015/6 MES 0,30 SG	153116	0,30	70	15	19	50	6.000 - 9.800	15.000	10	1,425
RBU 8015/6 MES 0,30 SG	153147	0,30	80	15	19	50	4.800 - 7.800	12.000	10	1,685

Plastic (SiC), performance line SG

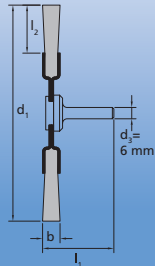
Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
RBU 5015/6 SiC 180 0,90 SG	220610	0,90	50	15	13	50	6.000 - 9.800	15.000	10	0,684
RBU 7015/6 SiC 180 0,90 SG	220627	0,90	70	15	19	50	6.000 - 9.800	15.000	10	1,205
RBU 8015/6 SiC 180 0,90 SG	220634	0,90	80	15	19	50	4.800 - 7.800	12.000	10	1,215



Mounted Wheel Brushes

Mounted Wheel Brushes, Knotted Type

RBG = Mounted wheel brushes, knotted type



For brushing in hard-to-reach grooves and recesses. Also suitable for cleaning, rust removal and weld finishing.

The knotted type wire is more aggressive than crimped wire.

Recommendation for use:

Minimum recommended drive output
500 watts.

Ordering example:

EAN 4007220153161
RBG 7006/6 ST 0,35 SG



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
RBG 7006/6 ST 0,35 SG	153161	0,35	18	76	6	16	42	12.500 - 18.800	25.000	10	1,256
RBG 7006/6 ST 0,50 SG	530177	0,50	18	76	6	16	42	12.500 - 18.800	25.000	10	1,256
RBG 7012/6 ST 0,35 SG	658482	0,35	18	76	12	16	42	12.500 - 18.800	25.000	10	1,495
RBG 7012/6 ST 0,50 SG	658680	0,50	18	76	12	16	42	12.500 - 18.800	25.000	10	1,495
RBG 10012/6 ST 0,35 SG	530351	0,35	22	100	12	19	42	10.000 - 15.000	20.000	10	2,450
RBG 10012/6 ST 0,50 SG	530399	0,50	22	100	12	19	42	10.000 - 15.000	20.000	10	2,450

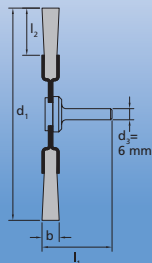
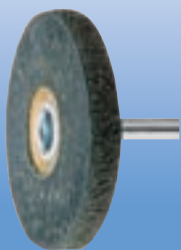
Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
RBG 7006/6 INOX 0,35 SG	220641	0,35	18	76	6	16	42	10.000 - 16.300	25.000	10	1,256
RBG 7006/6 INOX 0,50 SG	530603	0,50	18	76	6	16	42	10.000 - 16.300	25.000	10	1,256
RBG 7012/6 INOX 0,35 SG	658697	0,35	18	76	12	16	42	10.000 - 16.300	25.000	10	1,495
RBG 7012/6 INOX 0,50 SG	659472	0,50	18	76	12	16	42	10.000 - 16.300	25.000	10	1,495
RBG 10012/6 INOX 0,35 SG	530405	0,35	22	100	12	19	42	8.000 - 13.000	20.000	10	2,450
RBG 10012/6 INOX 0,50 SG	530610	0,50	22	100	12	19	42	8.000 - 13.000	20.000	10	2,450

Mounted Wheel Brushes, Encapsulated

RBV = Mounted wheel brushes, encapsulated



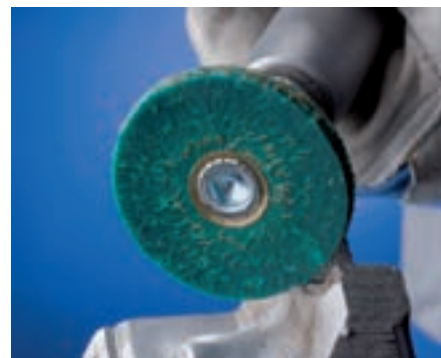
For medium-duty localized brushing. Particularly suitable for use in closely focused brushing.

The wires are encapsulated in plastic (Hardness grade E3 for universal use). This provides a more precise operating focus.

Please refer to page 16 for detailed information on hardness grades.

Recommendation for use:

Minimum recommended power 300 watts.



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
RBV 6307/6 ST 0,30 SG	220955	0,30	63	7	20	40	7.500 - 11.300	15.000	1	0,088



Universally suitable for cleaning, rust removal, smoothing, descaling and removal of corrosion or coatings.

To be used face down with the entire brush face applied to the workpiece. Preferably for use on large and flat, easily accessible surfaces.

Recommendation for use:

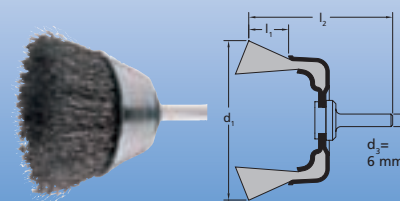
Minimum recommended power 300 watts.

Ordering example:

EAN 4007220153345

TBU 5010/6 ST 0,30 SG

TBU = Mounted cup brushes, individual filament type



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d_2 [mm]	Brush dia. d_1 [mm]	Trim width b [mm]	Trim length l_2 [mm]	Overall length l_1 [mm]	Recom. speed [RPM]	Max. speed [RPM]		
TBU 5010/6 ST 0,30 SG	153345	0,30	50	10	20	75	5.300 - 7.900	10.500	10	1,473
TBU 6015/6 ST 0,30 SG	153352	0,30	60	15	20	85	2.200 - 3.400	4.500	10	2,355

Stainless steel (INOX) wire, performance line SG

Delivery with plastic-covered brush bodies.

Order No.	EAN 4007220	Wire dia. d_2 [mm]	Brush dia. d_1 [mm]	Trim width b [mm]	Trim length l_2 [mm]	Overall length l_1 [mm]	Recom. speed [RPM]	Max. speed [RPM]		
TBU 5010/6 INOX 0,30 SG	579107	0,30	50	10	20	75	4.200 - 6.800	10.500	10	1,473
TBU 6015/6 INOX 0,30 SG	579114	0,30	60	15	20	85	1.800 - 2.900	4.500	10	2,355

Plastic (SiC), performance line SG

Order No.	EAN 4007220	Wire dia. d_2 [mm]	Brush dia. d_1 [mm]	Trim width b [mm]	Trim length l_2 [mm]	Overall length l_1 [mm]	Recom. speed [RPM]	Max. speed [RPM]		
TBU 5010/6 SiC 180 0,90 SG	220719	0,90	50	10	20	75	4.200 - 6.800	10.500	10	1,353
TBU 6015/6 SiC 180 0,90 SG	220726	0,90	60	15	20	85	1.800 - 2.900	4.500	10	1,495

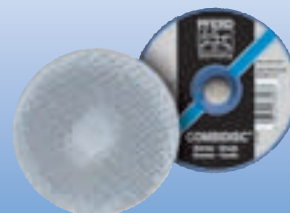


COMBIDISC® is a comprehensive range for surface machining. From rough stock removal and surface structuring right up to face-down mirror polishing, solutions can be found for the most complicated of machining problems.

The COMBIDISC® brush is perfectly suited for the removal of soft materials such as adhesive, underbody coatings and for cleaning contours and edges.

Please refer to catalogue 204 for detailed information and ordering data regarding COMBIDISC® brush.

COMBIDISC® brush

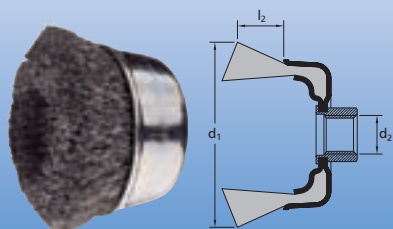


Cup Brushes with Threaded Hole

Cup Brushes with Threaded Hole, Individual Filament Type



TBU = Cup brushes,
individual filament type



Excellent for medium-duty brushing work,
mainly on large surfaces, and for deburring,
cleaning and rust removal jobs.

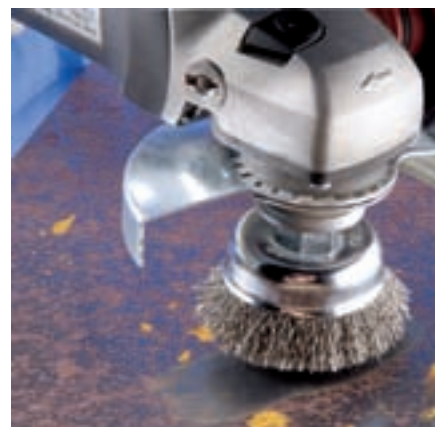
Recommendation for use:

Minimum recommended power 300 watts.

Ordering example:

EAN 4007220153543

TBU 60/M14 ST 0,30 SG



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d_6 [mm]	Brush dia. d_1 [mm]	Trim length l_2 [mm]	Thread d_2	Recom. speed [RPM]	Max. speed [RPM]		
TBU 60/M14 ST 0,30 SG	153543	0,30	60	20	M14x2	6.300 - 9.400	12.500	1	0,229
TBU 75/M14 ST 0,30 SG	220849	0,30	75	40	M14x2	6.300 - 9.400	12.500	1	0,313
TBU 100/M14 ST 0,30 SG	153574	0,30	100	25	M14x2	4.300 - 6.400	8.500	1	0,362

Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d_6 [mm]	Brush dia. d_1 [mm]	Trim length l_2 [mm]	Thread d_2	Recom. speed [RPM]	Max. speed [RPM]		
TBU 60/M14 INOX 0,30 SG	721742	0,30	60	20	M14x2	5.000 - 8.100	12.500	1	0,229
TBU 75/M14 INOX 0,30 SG	220856	0,30	75	40	M14x2	5.000 - 8.100	12.500	1	0,313
TBU 100/M14 INOX 0,30 SG	220863	0,30	100	25	M14x2	3.400 - 5.500	8.500	1	0,362

Plastic (SiC), performance line SG

Order No.	EAN 4007220	Wire dia. d_6 [mm]	Brush dia. d_1 [mm]	Trim length l_2 [mm]	Thread d_2	Recom. speed [RPM]	Max. speed [RPM]		
TBU 100/M14 SiC 120 1,00 SG	530856	1,00	100	46	M14x2	2.400 - 3.900	6.000	1	0,614
TBU 100/M14 SiC 180 0,90 SG	530870	0,90	100	46	M14x2	2.400 - 3.900	6.000	1	0,614



Cup Brushes with Threaded Hole

Cup Brushes with Threaded Hole, Knotted Type



Excellent for heavy-duty brushing, mainly on large surfaces, and for deburring, cleaning and rust removal.

Highly aggressive brush. The version with supporting ring prevents filaments from escaping sideways. The ring is removed once the fill is worn down to that level, whereupon the rest of the brush can be used up normally.

Recommendation for use:

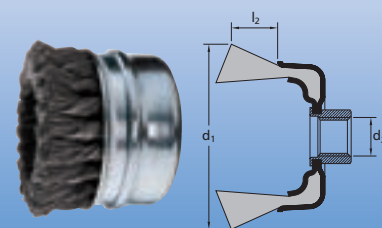
Optimal use with high power output angle grinders.

Ordering example:

EAN 4007220153437

TBG 65/M14 ST 0,35 SG

TBG = Cup brushes, knotted type
TBGR = Cup brushes, knotted type, with support ring



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]		
Without support ring										
TBG 65/M14 ST 0,35 SG	153437	0,35	18	65	22	M14x2	6.300 - 12.500	12.500	1	0,289
TBG 65/M14 ST 0,50 SG	579121	0,50	18	65	22	M14x2	6.300 - 12.500	12.500	1	0,289
TBG 65/M14 ST 0,80 SG	579138	0,80	18	65	22	M14x2	6.300 - 12.500	12.500	1	0,289
TBG 80/M14 ST 0,50 SG	806654	0,50	20	80	20	M14x2	5.000 - 10.000	10.000	1	0,425
TBG 100/M14 ST 0,50 SG	806661	0,50	24	100	25	M14x2	4.500 - 9.000	9.000	1	0,720
With support ring										
TBGR 80/M14 ST 0,50 SG	153482	0,50	22	80	25	M14x2	4.300 - 8.500	8.500	1	0,824
TBGR 100/M14 ST 0,50 SG	153505	0,50	26	100	25	M14x2	4.300 - 8.500	8.500	1	0,951
TBGR 100/5/8 ST 0,50 SG	598009	0,50	26	100	25	5/8-11	4.300 - 8.500	8.500	1	0,951
TBGR 125/5/8 ST 0,50 SG	584811	0,50	32	125	25	5/8-11	3.300 - 6.500	6.500	1	1,323
TBGR 150/5/8 ST 0,50 SG	584828	0,50	40	150	20	5/8-11	2.800 - 5.500	5.500	1	1,967

Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

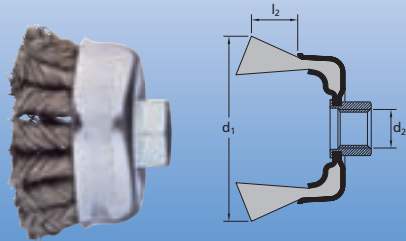
Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]		
Without support ring										
TBG 65/M14 INOX 0,35 SG	220740	0,35	18	65	22	M14x2	5.000 - 12.500	12.500	1	0,289
TBG 65/M14 INOX 0,50 SG	598016	0,50	18	65	22	M14x2	5.000 - 12.500	12.500	1	0,289
TBG 80/M14 INOX 0,35 SG	806678	0,35	20	80	20	M14x2	4.000 - 10.000	10.000	1	0,425
TBG 100/M14 INOX 0,35 SG	806685	0,35	24	100	25	M14x2	3.600 - 9.000	9.000	1	0,720



Cup Brushes with Threaded Hole

Cup Brushes with Threaded Hole, Knotted Type

TBG CT = Cup brushes, knotted type, COMBITWIST®



Excellent for difficult brushing work, mainly on large surfaces. Suitable for deburring, cleaning and rust removal.

Highly aggressive brush.

Advantages of the COMBITWIST® knot style:

- Smooth operation, even on corners and edges.
- No "recoiling" of the brush on edges.
- Enhanced tool life.
- Increased stock removal rate.
- Prevention of the knotting becoming "unravelling" in use.

Recommendation for use:

Optimal use with high power output angle grinders.

Ordering example:

EAN 4007220806692

TBG 65/M14 CT ST 0,35 SGP



Steel wire – COMBITWIST® knot style, special line SGP

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]		
Without support ring										
TBG 65/M14 CT ST 0,35 SGP	806692	0,35	18	65	22	M14x2	6.300 - 12.500	12.500	1	0,289
TBG 65/M14 CT ST 0,50 SGP	806708	0,50	18	65	22	M14x2	6.300 - 12.500	12.500	1	0,289
TBG 80/M14 CT ST 0,50 SGP	806715	0,50	20	80	20	M14x2	5.000 - 10.000	10.000	1	0,425
TBG 100/M14 CT ST 0,50 SGP	806722	0,50	24	100	25	M14x2	4.500 - 9.000	9.000	1	0,720

Stainless steel (INOX) wire – COMBITWIST® knot style, special line SGP

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]		
Without support ring										
TBG 65/M14 CT INOX 0,35 SGP	806739	0,35	18	65	22	M14x2	5.000 - 12.500	12.500	1	0,289
TBG 65/M14 CT INOX 0,50 SGP	806746	0,50	18	65	22	M14x2	5.000 - 12.500	12.500	1	0,289
TBG 80/M14 CT INOX 0,35 SGP	806753	0,35	20	80	20	M14x2	4.000 - 10.000	10.000	1	0,425
TBG 100/M14 CT INOX 0,35 SGP	806760	0,35	24	100	25	M14x2	3.600 - 9.000	9.000	1	0,720



Flaring Cup Brushes with Threaded Hole

Flaring Cup Brushes with Threaded Hole, Individual Filament



Excellent for medium-heavy brushing work. Suitable for deburring, cleaning and rust removal. The flaring cup shape of the brush body makes it easier to work in hard-to-reach areas e.g. inner edges, grooves, keyways.

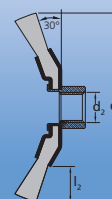
Recommendation for use:

Suitable for use on angle grinders (up to 80 m/s). Optimal operation with adjustable speed angle grinders.

Ordering example:

EAN 4007220220832
KBU 10010/M14 ST 0,35 SG

KBU = Flaring cup brushes, individual filament type



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]		
KBU 10010/M14 ST 0,35 SG	220832	0,35	100	10	22	M14x2	6.300 - 12.500	12.500	1	0,274
KBU 11510/M14 ST 0,35 SG	806777	0,35	115	10	30	M14x2	6.300 - 12.500	12.500	1	0,251

Stainless steel (INOX) wire, performance line SG

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]		
KBU 10010/M14 INOX 0,35 SG	531129	0,35	100	10	22	M14x2	6.300 - 12.500	12.500	1	0,274
KBU 11510/M14 INOX 0,35 SG	806784	0,35	115	10	30	M14x2	5.000 - 12.500	12.500	1	0,251

Flaring Cup Brushes with Threaded Hole, Knotted Type

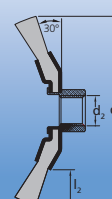


Perfect for heavy brushing work. Suitable for deburring, cleaning and rust removal. The conical shape of the brush body makes it easier to work in hard-to-reach areas. The knotted type wire is more aggressive than crimped wire. Packaging unit: 1 piece

Recommendation for use:

Optimal use with high-performance angle grinders.

KBG = Flaring cup brushes, knotted type



Steel wire, performance line SG

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]	
KBG 10013/M14 ST 0,50 SG	153529	0,50	22	100	13	22	M14x2	10.000 - 15.000	20.000	0,305
KBG 11515/M14 ST 0,50 SG	220818	0,50	22	115	15	26	M14x2	7.500 - 12.500	15.000	0,366
KBG 12515/M14 ST 0,50 SG	531167	0,50	28	125	15	19	M14x2	7.500 - 12.000	15.000	0,576

Stainless steel (INOX) wire, performance line SG

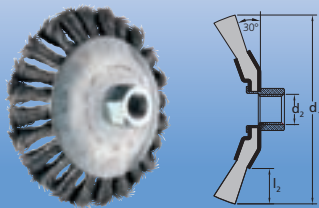
All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]	
KBG 10013/M14 INOX 0,35 SG	220801	0,35	22	100	13	22	M14x2	8.600 - 15.000	20.000	0,305
KBG 11515/M14 INOX 0,35 SG	220825	0,35	22	115	15	26	M14x2	6.000 - 12.500	15.000	0,366
KBG 12515/M14 INOX 0,35 SG	531174	0,35	28	125	15	19	M14x2	6.000 - 12.000	15.000	0,576

Flaring Cup Brushes with Threaded Hole

Flaring Cup Brushes with Threaded Hole, Knotted Type

KBG CT = Flaring cup brushes, knotted type, COMBITWIST®



Excellent for heavy-duty brushing, deburring, cleaning and rust removal.

Due to its conical shape, this product is ideal for work in hard-to-reach places. It is versatile and especially useful for difficult work. The knotted type wire is more aggressive than crimped wire.

Advantages of the COMBITWIST® knot style:

- Smooth operation, even on corners and edges.
- No "recoiling" of the brush on edges.
- Enhanced tool life.
- Increased stock removal rate.
- Prevention of the knotting becoming "unravelling" in use.

Packaging unit: 1 piece

Recommendation for use:

Optimal use with high-power output angle grinders.

Ordering example:

EAN 4007220**593431**

KBG 10013/M14 CT ST 0,50 SGP



Steel wire – COMBITWIST® knot style, special line SGP

Order No.	EAN 4007220	Wire dia. d ₅ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]	
KBG 10013/M14 CT ST 0,50 SGP	593431	0,50	22	100	13	22	M14x2	10.000 - 15.000	20.000	0,305
KBG 11515/M14 CT ST 0,50 SGP	593448	0,50	22	115	15	26	M14x2	7.500 - 12.500	15.000	0,366
KBG 12515/M14 CT ST 0,50 SGP	593455	0,50	28	125	15	19	M14x2	7.500 - 12.000	15.000	0,576

Stainless steel (INOX) wire – COMBITWIST® knot style, special line SGP

All INOX brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₅ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Thread d ₂	Recom. speed [RPM]	Max. speed [RPM]	
KBG 10013/M14 CT INOX 0,35 SGP	593462	0,35	22	100	13	22	M14x2	8.000 - 15.000	20.000	0,305
KBG 11515/M14 CT INOX 0,35 SGP	593479	0,35	22	115	15	26	M14x2	6.000 - 12.500	15.000	0,366
KBG 12515/M14 CT INOX 0,35 SGP	593486	0,35	28	125	15	19	M14x2	6.000 - 12.000	15.000	0,576





Particularly suitable for deburring and surface machining on stationary machines.

Recommendation for use:

Suitable power sources: mainly stationary use on CNC machines, machining centres and with robot systems. When processing surfaces disc brushes with round SiC filling should be used.

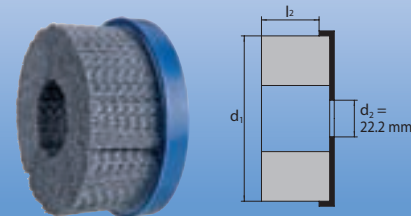
On applications which place particular demands on high brush aggressiveness, disc brushes with rectangular SiC fillings (REC) should be used. Suitable for work on aluminium.

Ordering example:

EAN 4007220**808740**

DBU 100/22,2 REC SiC 80 1,14 SG

DBU = Disc brushes, individual filament type



Plastic (SiC), performance line SG

All disc brushes are supplied with attachments arbor holes dia. 6,5 mm. Pitch circle dia. 31 mm.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Arbor hole dia d ₂ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
DBU 100/22,2 REC SiC 80 1,14 SG	808740	1,14x2,3	100	38	22,2	1.400 - 2.300	3.500	1	0,376
DBU 100/22,2 SiC 80 1,10 SG	808757	1,10	100	38	22,2	1.400 - 2.300	3.500	1	0,347
DBU 100/22,2 SiC 120 1,10 SG	808764	1,10	100	38	22,2	1.400 - 2.300	3.500	1	0,347
DBU 100/22,2 SiC 320 0,55 SG	808771	0,55	100	38	22,2	1.400 - 2.300	3.500	1	0,347
DBU 125/22,2 REC SiC 80 1,14 SG	808795	1,14x2,3	125	38	22,2	1.200 - 2.000	3.000	1	0,524
DBU 125/22,2 SiC 80 1,10 SG	808788	1,10	125	38	22,2	1.200 - 2.000	3.000	1	0,480
DBU 125/22,2 SiC 120 1,10 SG	808801	1,10	125	38	22,2	1.200 - 2.000	3.000	1	0,480
DBU 125/22,2 SiC 320 0,55 SG	808818	0,55	125	38	22,2	1.200 - 2.000	3.000	1	0,480
DBU 150/22,2 REC SiC 80 1,14 SG	808825	1,14x2,3	150	38	22,2	1.000 - 1.600	2.500	1	0,798
DBU 150/22,2 SiC 80 1,10 SG	808849	1,10	150	38	22,2	1.600 - 1.600	2.500	1	0,734
DBU 150/22,2 SiC 120 1,10 SG	808856	1,10	150	38	22,2	1.000 - 1.600	2.500	1	0,734
DBU 150/22,2 SiC 320 0,55 SG	808863	0,55	150	38	22,2	1.000 - 1.600	2.500	1	0,734

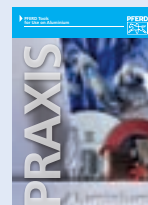


BO 12/22,2 6-13 (EAN 4007220**808887**) is suitable for all disc brushes (DBU) with dia. 100 mm.



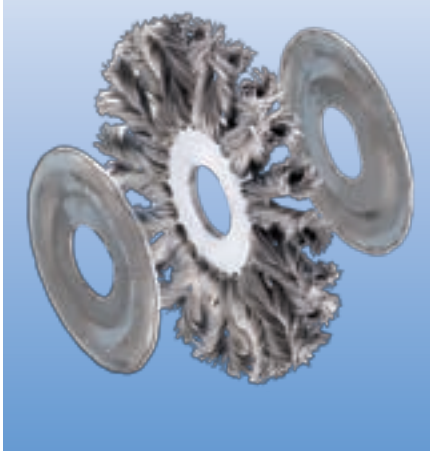
BO 12/22,2 6-16 (EAN 4007220**808894**) is suitable for all disc brushes (DBU) with dia. 125 and 150 mm.

Please refer to page 44 for detailed information and ordering data regarding arbors.



For detailed information please refer to the PRAXIS "Pferd Tools for Use on Aluminium".

**Wheel brush with arbor hole
INOX-TOTAL**



PFERD brushes INOX-TOTAL type

PFERD also offers brushes "INOX-TOTAL" as well as brushes with INOX fillings for machining stainless steel.

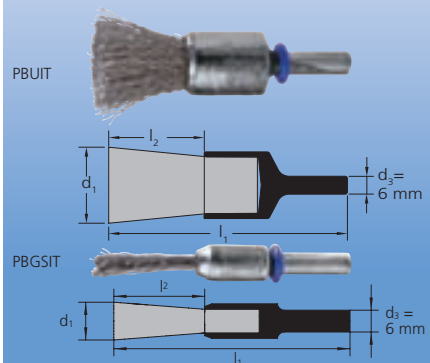
This design is characterised by the fact that not only the trim material, but rather all parts of the brush are made from stainless steel in quality 1.4310 (V2A). These brushes are perfectly suited for applications in extremely critical surroundings and for difficult conditions in the chemical and construction industries, or in the foodstuffs or nuclear industries.

Please refer to page 8 for further information on machining stainless steel (INOX) and PFERD brushes in the INOX-TOTAL type.

**Circular brush with shank
INOX-TOTAL**



**PBUIT = Mounted pencil brushes,
individual filament type
PBGST = Mounted pencil brushes,
knotted type**

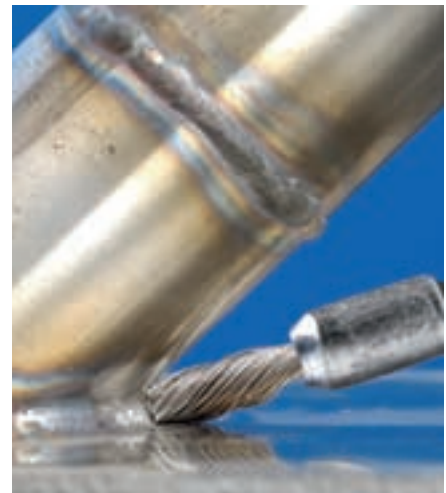


Pencil brushes suitable for work in hard-to-reach places such as bores, hollow space and inner corners.

Individual filament type pencil brushes, PBUIT design, are suitable for all light brushing work. As they rotate, the wires spread out (fill expands).

Knotted brushes, PBGST type, are mainly used to work on inside corners. The knot design is twisted against the brush running direction. This prevents the brush from unravelling during operation.

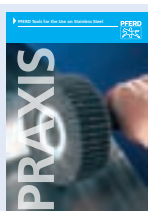
Ordering example:
EAN 4007220808382
PBUIT 1516/6 INOX 0,15 SGP



Stainless steel (INOX) wire, special line SGP

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Overall length l ₁ [mm]	Trim length l ₂ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
Individual filament type										
PBUIT 1516/6 INOX 0,15 SGP	808382	0,15	-	15	65	22	7.200 - 11.700	18.000	10	0,366
PBUIT 1516/6 INOX 0,20 SGP	808399	0,20	-	15	65	22	7.200 - 11.700	18.000	10	0,366
PBUIT 2020/6 INOX 0,15 SGP	808405	0,15	-	20	70	25	7.200 - 11.700	18.000	10	0,662
PBUIT 2020/6 INOX 0,20 SGP	808412	0,20	-	20	70	25	7.200 - 11.700	18.000	10	0,662
Knotted type										
PBGSIT 1010/6 INOX 0,20 SGP	808429	0,20	1	10	65	25	4.000 - 6.500	10.000	10	0,170
PBGSIT 1010/6 INOX 0,35 SGP	808436	0,35	1	10	65	25	4.000 - 6.500	10.000	10	0,170



Please refer to the PRAXIS
"PFERD Tools for Use on
Stainless Steel".

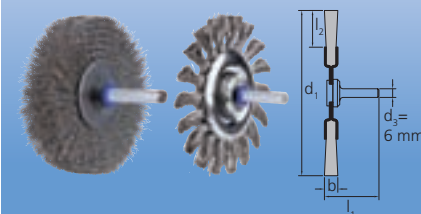


Universally suitable for cleaning, deburring and removal of annealing colour.

The knotted type wire is more aggressive than the crimped wire.

Ordering example:
EAN 4007220**808443**
RBUIT 300/6 INOX 0,20 SGP

RBUIT = Mounted wheel brushes, individual filament type
RBGIT = Mounted wheel brushes, knotted type



Stainless steel (INOX) wire, special line SGP

All stainless steel (INOX) brushes are degreased.

Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Recom. speed [RPM]	Max. speed [RPM]		
Individual filament type											
RBUIT 3006/6 INOX 0,20 SGP	808443	0,20	-	30	6	7	40	8.000 - 13.000	20.000	10	0,246
RBUIT 5015/6 INOX 0,20 SGP	808450	0,20	-	50	15	13	50	6.000 - 9.800	15.000	10	0,784
RBUIT 7015/6 INOX 0,15 SGP	808467	0,15	-	70	15	19	50	6.000 - 9.800	15.000	10	1,425
RBUIT 7015/6 INOX 0,30 SGP	808474	0,30	-	70	15	19	50	6.000 - 9.800	15.000	10	1,425
RBUIT 8015/6 INOX 0,15 SGP	808481	0,15	-	80	15	19	50	4.800 - 7.800	12.000	10	1,685
RBUIT 8015/6 INOX 0,30 SGP	808498	0,30	-	80	15	19	50	4.800 - 7.800	12.000	10	1,685
Knotted type											
RBGIT 7006/6 INOX 0,35 SGP	808504	0,35	18	70	6	16	42	10.000 - 16.300	25.000	10	1,256



Knotted type wheel brushes are suitable for heavy brushing work such as scale removal, rust removal, deburring and cleaning of weld seams. The slim design RBGIT PIPE is especially suitable for work in hard-to-reach areas e.g. root weld seams.

Advantages of the COMBITWIST® knot style:

- Smooth operation, even on corners and edges.
- No "recoiling" of the brush on edges.
- Enhanced tool life.
- Increased stock removal rate.
- Prevention of the knotting becoming "unravelling" in use.

Packaging unit: 1 piece

Recommendation for use:

Optimum operation with high power output, adjustable speed angle grinders.

Ordering example:
EAN 4007220**808511**
RBGIT 11506/22,2 CT INOX 0,50 PIPE SGP

RBGIT CT = Wheel brushes, knotted type
RBGIT PIPE CT = Wheel brushes, knotted type, pipeline, COMBITWIST®



Stainless steel (INOX) wire, special line SGP

All stainless steel (INOX) brushes are degreased.

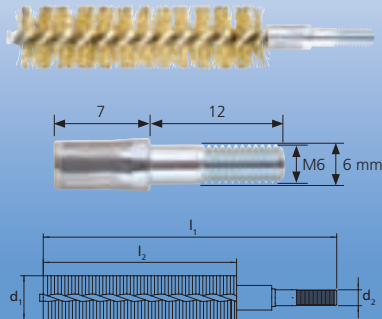
Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of knots	Brush dia. d ₁ [mm]	Trim width b [mm]	Trim length l ₂ [mm]	Arbor hole dia. [mm]	Recom. speed [RPM]	Max. speed [RPM]	
RBGIT 11506/22,2 PIPE CT INOX 0,50 SGP	808511	0,50	36	115	6	19	22,2	5.000 - 12.500	12.500	0,322
RBGIT 11512/22,2 CT INOX 0,35 SGP	808528	0,35	24	115	12	28	22,2	5.000 - 12.500	12.500	0,275

Interior Brushes

Interior Brushes



IBU = Interior brushes with threaded hole



Particularly suitable for deburring and cleaning of pipes, threads, coupling sleeves and cylinders.

In addition to the thread, interior brushes up to 20 mm have a shank fixture allowing them to be clamped into 6 mm collets. Interior brushes with 3/8 threads are also equipped with a shank fixture of 10 mm.

Recommendation for use:

Developed for applications with low speeds of up to 1.000 RPM.

Ordering example:

EAN 4007220659533

IBU 0880/M6 ST 0,15 SG

Please state required trim material and wire dia.

Wire dia. SiC = 1,00 mm.



Order No.	Wire material				Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]	Thread		
	Steel	INOX	Brass	SiC 180							
	EAN 4007220										
IBU 0880/M6 ... SG	659533	659540	659557	659564	0,15	8	80	120	M6	10	0,158
IBU 1080/M6 ... SG	659571	659588	659595	659601	0,15	10	80	120	M6	10	0,188
IBU 1280/M6 ... SG	659618	659625	659632	659649	0,15	12	80	120	M6	10	0,236
IBU 1380/M6 ... SG	660447	660454	660461	660478	0,20	13	80	120	M6	10	0,236
IBU 1580/M6 ... SG	660485	660515	660522	660539	0,20	15	80	120	M6	10	0,266
IBU 1680/M6 ... SG	660546	660553	660560	660577	0,20	16	80	120	M6	10	0,266
IBU 1880/M6 ... SG	660584	660591	660607	660614	0,20	18	80	120	M6	10	0,296
IBU 2080/M6 ... SG	660621	660638	660645	660652	0,20	20	80	120	M6	10	0,326
IBU 22100/3/8 BSW ... SG	660669	660676	660683	660690	0,20	22	100	170	3/8	10	0,538
IBU 25100/3/8 BSW ... SG	660706	660713	660720	660737	0,20	25	100	170	3/8	10	0,558
IBU 30100/3/8 BSW ... SG	660744	660751	660768	660775	0,20	30	100	170	3/8	10	0,695
IBU 32100/1/2 BSW ... SG	749425	749449	749456	-	0,25	32	100	170	1/2	10	0,925
IBU 38100/1/2 BSW ... SG	749463	749470	749487	-	0,30	38	100	170	1/2	10	0,975
IBU 40100/1/2 BSW ... SG	749494	749500	749517	-	0,30	40	100	170	1/2	10	1,025
IBU 44100/1/2 BSW ... SG	749524	749531	749548	-	0,30	44	100	170	1/2	10	1,120
IBU 50100/1/2 BSW ... SG	749555	-	-	-	0,35	50	100	170	1/2	5	0,955
IBU 57100/1/2 BSW ... SG	749562	-	-	-	0,35	57	100	170	1/2	5	1,000
IBU 63100/1/2 BSW ... SG	749579	-	-	-	0,35	63	100	170	1/2	5	1,025
IBU 69100/1/2 BSW ... SG	749586	-	-	-	0,35	69	100	170	1/2	5	1,100
IBU 75100/1/2 BSW ... SG	749593	-	-	-	0,35	75	100	170	1/2	1	0,494
IBU 82100/1/2 BSW ... SG	749609	-	-	-	0,35	82	100	170	1/2	1	0,498
IBU 101100/1/2 BSW ... SG	749616	-	-	-	0,50	101	100	170	1/2	1	0,556

SWG = Quick change handles



Suitable for manual work with interior brushes. Quick change handles can also be combined and supplemented with the IBUV extensions. Please refer to the table "Combination possibilities" on page 39 for the possible length combinations.

The quick change handle of SWG-6 contains a collet in which tools with a shank dia. of 6 mm can be clamped.

All collet group 10 collets can be used. Please refer to catalogue 209 for detailed information and ordering data regarding collets.

Ordering example:

EAN 4007220721803

SWG-M6

Please state the required thread.

Order No.	Thread				Overall length l ₁ [mm]		
	M6	3/8	1/2	Collet 6 mm			
	EAN 4007220						
SWG- ...	721803	723036	749333	-	135	1	0,119
SWG-6	-	-	-	723043	150	1	0.143



In order to work in hard-to-reach areas using interior brushes, extensions (IBUV) with wire stems (IBUS) or quick change handles (SWG) are used.

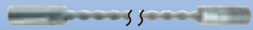
Please refer to the table "Combination possibilities" for the possible length combinations.

Outer dia. screw socket
M6 = 12 mm, 3/8 = 12 mm, 1/2 = 16 mm.

Ordering example:
EAN 4007220726884

IBUV M6 300
Please state required thread.

IBUV = Extension for interior brushes
IBUS = Wire stem for interior brushes

IBUV 

IBUS 

Order No.	Thread			Overall length I ₁ [mm]		
	M6	3/8	1/2			
	EAN 4007220					
IBUV ... 300	726884	726891	750032	300	1	0,230
IBUV ... 1000	660782	660799	750049	1000	1	0,358
IBUS ... 300	726907	726914	750094	300	1	0,219
IBUS ... 800	660805	660812	750100	800	1	0,108

Extension	SWG [mm]	IBUS 300 [mm]	IBUS 800 [mm]
without	135	300	800
IBUV 300	435	600	1.100
IBUV 1000	1.135	1.300	1.800

Combination possibilities

Interior brushes can be lengthened by extensions and wire stems.

IBUV extensions can be combined with one another to give an overall length of more than 1.800 mm.

Example:

Required total length 1.300 mm can be attained with IBUV 1000 (Extension) + IBUS 300 (wire stem).



Especially suitable for brushing work in hard-to-reach areas such as inner pipe surfaces, bores, nozzles etc. in manual applications.

Nylon filling without abrasive grit.

Ordering example:

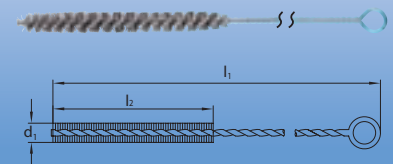
EAN 4007220748923

IBU 06100 ST 0,10 SG

Please state required wire material and wire dia.

Wire dia. nylon interior brushes
dia. 6 - 10 mm = 0,20 mm and
dia. 12 - 30 mm = 0,30 mm

IBU = Interior brushes, without thread



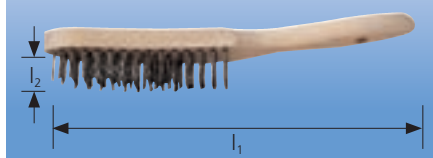
Order No.	Wire material				Wire dia. d ₆ [mm]	Brush dia. d ₁ [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]		
	Steel	INOX	Brass	Nylon						
	EAN 4007220									
IBU 06100 ... SG	748923	748930	748947	748961	0,15	6	100	300	10	0,234
IBU 08100 ... SG	748985	748992	749005	749012	0,15	8	100	300	10	0,284
IBU 10100 ... SG	749036	749050	749043	749067	0,15	10	100	300	10	0,361
IBU 12100 ... SG	749074	749081	749098	749104	0,15	12	100	300	10	0,371
IBU 15100 ... SG	749111	749128	749142	749159	0,15	15	100	300	10	0,387
IBU 20100 ... SG	749166	749173	749180	749197	0,15	20	100	300	10	0,557
IBU 25100 ... SG	749203	749210	749227	749708	0,15	25	100	300	10	0,648
IBU 30100 ... SG	749241	749258	749265	749272	0,15	30	100	300	10	0,698

Scratch Brushes

Scratch Brushes



HBU = Scratch brushes for general-use application



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

Ordering example:

EAN 4007220**659489**

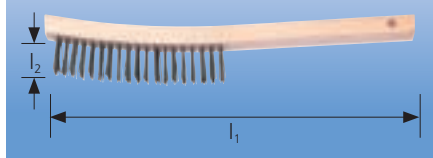
HBU 10 ST 0,35 SG

Please state required trim material.



Order No.	Wire material			No. of rows	Trim length l ₂ [mm]	Overall length l ₁ [mm]		
	Steel 0,35	INOX 0,30	Brass 0,30					
	EAN 4007220							
HBU 10 ... SG	659489	659496	-	1	25	290	10	1,060
HBU 20 ... SG	572191	572221	572528	2	25	290	10	1,210
HBU 30 ... SG	572207	572238	572535	3	25	290	10	1,520
HBU 40 ... SG	572214	572245	572542	4	25	290	10	1,800
HBU 50 ... SG	153741	572252	572559	5	25	290	10	1,850
HBU 60 ... SG	713341	713365	-	6	25	290	10	2,120
Bulk pack								
HBU 30 ... GP SG	808320	-	-	3	25	290	50	7,750
HBU 40 ... GP SG	808337	808351	-	4	25	290	50	9,150
HBU 50 ... GP SG	808344	-	-	5	25	290	50	9,400

HBU LH = Scratch brushes long handle (LH)



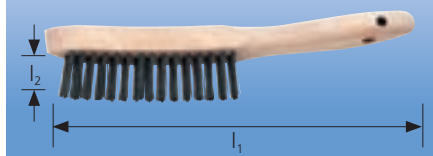
Cleaning of parts and surfaces, rust removal, weld dressing.

Extra-long handle.



Order No.	EAN 4007220	Wire dia. d_6 [mm]	No. of rows	Trim length l_2 [mm]	Overall length l_1 [mm]		
HBU 30 ST LH 0,35 SG	616840	0,35	3	25	350	10	1,920
HBU 40 ST LH 0,35 SG	616857	0,35	4	25	350	10	2,320

HBK = Scratch brushes for fillet welds



V-shaped for easy cleaning, dressing and rust removal on fillet and V-shaped welds.



Order No.	Wire material		Wire dia. d ₆ [mm]	No. of rows	Trim length l ₂ [mm]	Overall length l ₁ [mm]		
	Steel	INOX						
	EAN 4007220							
HBK 30 ... 0.35 SG	572481	572498	0.35	3	35	290	10	1,730



Excellent for cleaning in hard-to-reach areas, e.g. angles or corners, pipes, etc.

Steel = Brass-plated steel wire

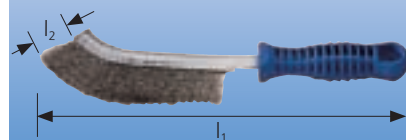
Ordering example:

EAN 4007220**153727**

HBG 10 ST 0,30 SG

Please state the required trim material.

HBG = Scratch brushes curved type



Order No.	Wire material			Wire dia. d ₆ [mm]	No. of rows	Trim length l ₂ [mm]	Overall length l ₁ [mm]		
	Steel	INOX	Brass						
	EAN 4007220								
HBG 10 ... 0.30 SG	153727	153734	572672	0.30	1	25	265	10	1,720

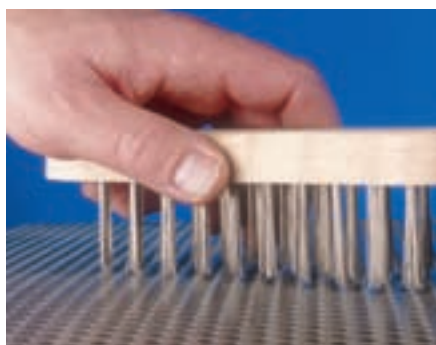


Particularly suitable for cleaning spark plugs, and for cleaning small workpieces and tools.

HBZ = Scratch brushes for spark plugs

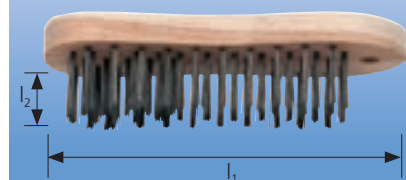


Order No.	EAN 4007220	Wire dia. d_s [mm]	No. of rows	Trim length l_2 [mm]	Overall length l_1 [mm]		
HBZ 30 MES 0,15 SG	572566	0,15	3	15	145	10	0,405



Perfect for cleaning and rust removal from surfaces.

Scratch brushes/block brushes



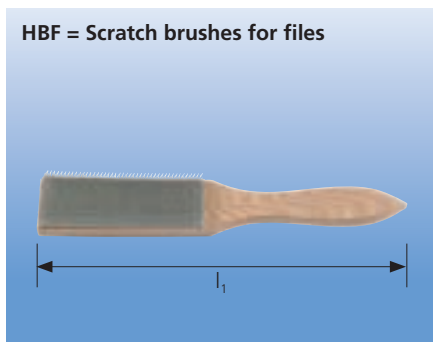
Order No.	Wire material		No. of rows	Trim length l ₂ [mm]	Overall length l ₁ [mm]		
	Steel 0,45	Brass 0,30					
	EAN 4007220						
HBB 50 ... SG	572504	573020	5	35	200	10	2,375

Scratch Brushes

Scratch Brushes



HBF = Scratch brushes for files



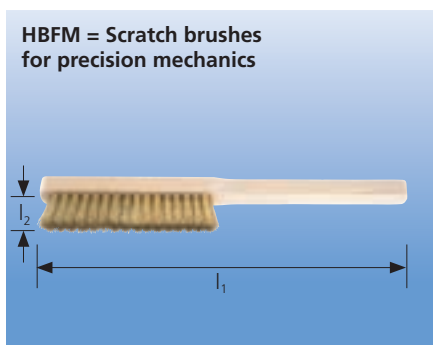
Suitable for cleaning files.

Hand brushes for files can also be found in catalogue 201.



Order No.	EAN 4007220	Wire dia. d ₆ [mm]	No. of rows	Trim length l ₂ [mm]	Overall length l ₁ [mm]		
HBF 10 ST 0,15 SG	015315	0,15	1	7	232	5	0,615

HBFM = Scratch brushes for precision mechanics



Perfect for light brushing work on fine surfaces.

The wire dia. 0,15 mm allows soft brushing action with a fine surface pattern.

Ordering example:
EAN 4007220**659502**
HBFM 40 ST 0,15 SG



Order No.	Wire material			Wire dia. d ₆ [mm]	No. of rows	Trim width b [mm]	Trim length l ₂ [mm]	Overall length l ₁ [mm]		
	Steel	INOX	Brass							
	EAN 4007220									
HBFM 40 ... 0,15 SG	659502	659519	659526	0,15	4	16	20	220	10	0,920

Brush Sets

Brush sets



BSO 5500 ST SG contents: 80 pcs.

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

BSO 5600 ST SG contents: 23 pcs.

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

BSO 5600 INOX SG contents: 23 pcs.

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

Order No.	EAN 4007220	Content		
BSO 5500 ST SG	220962	see above	1	6,192
BSO 5600 ST SG	808368	see above	1	2,135
BSO 5600 INOX SG	808375	see above	1	2,135

The adapters change the arbor hole sizes to the required dimensions. The brush is prevented from slipping through during operation due to the positive fit.

AK 32

With adapter set AK 32 wheel brushes (RBU), slim type, can be used on all standard machines.

Set comprises the following arbor holes in [mm (inch)]: 20, 18, 14, 12
25,4 (1), 22,2 (7/8), 16 (5/8), 12,7 (1/2)

Please refer to page 10 for detailed information and ordering data on the appropriate brushes.

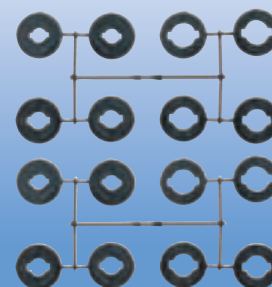
AK 32-2

With adapter set AK 32-2 wheel brushes (RBU), wide type, can be used on all standard machines.

Set comprises the following arbor holes in [mm (inch)]: 20, 18, 14, 12
25,4 (1), 22,2 (7/8), 19,2 (.750), 16 (5/8), 12,7 (1/2)

Please refer to page 11 for detailed information and ordering data on the appropriate brushes.

Adapter set AK 32



Order No.	EAN 4007220		
Adapterset AK 32	608593	1	0,126
Adapterset AK 32-2	806890	1	0,126

The adapters change the bores to the required dimension.

AM 51

With adapter set AM 51 wheel brushes (RBU), wide type, can be used on all standard power sources.
An adapter pair consists of 2 individual adapters.

Please refer to page 11 for detailed information and ordering data on the appropriate brushes.

Recommendation for use:

Particularly suitable for applications which produce a lot of heat and high pressure. For applications that generate less heat and low pressure, please use the adapter set AK 32-2.

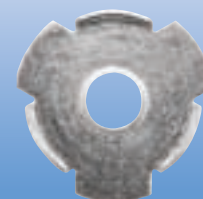
Exception:

Wheel brushes with dia. 100 and 125 mm cannot be used with the adapter pair.

Ordering example:

EAN 4007220**549803**
Adapter pair AM 51/14,0

Adapter pairs AM 51



Order No.	EAN 4007220	Arbor hole dia. [mm]		
Adapterpaar* AM 51/14,0	549803	14,0	1	0,030
Adapterpaar* AM 51/16,0	548486	16,0	1	0,030
Adapterpaar* AM 51/20,0	549834	20,0	1	0,030
Adapterpaar* AM 51/22,2	806906	22,2	1	0,030
Adapterpaar* AM 51/25,4	548509	25,4	1	0,030
Adapterpaar* AM 51/30,0	806913	30,0	1	0,030
Adapterpaar* AM 51/32,0	606605	32,0	1	0,030

*Adapterpaar = Adapter pair

The adapters change the arbor holes to the required dimensions.

AK 51

With adapter set AK 51 wheel brushes (RBU), stationary, can be used on all standard machines (bench grinders).

Set comprises the following arbor holes in [mm (inch)]: 32, 20, 18, 14, 12
25,4 (1), 22,2 (7/8), 16 (5/8), 12,7 (1/2)

Please refer to page 19 for detailed information and ordering data on the appropriate brushes.

Adapter set AK 51



Order No.	EAN 4007220		
Adapterset AK 51	608609	1	0,089

Arbor for wheel brushes

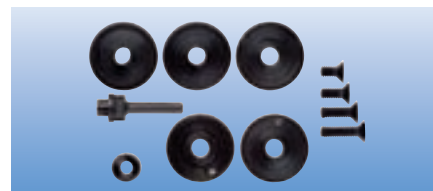
Allows the use of wheel brushes with holes to be fitted on drive units with collet chucks e.g. electric straight grinders, flexible shaft drives. Please refer to catalogue 209 for detailed information and ordering data regarding tool drives.

Arbor for wheel brushes BO 8/12-22,2 5-18



BO 8/12-22,2 5-18 is suitable for all:

- individual filament wheel brushes (RBU) up to dia. 150 mm, slim (page 10)
- individual filament wheel brushes (RBU) 10020, wide (page 11)
- individual filament wheel brushes (RBU) 12520, wide (page 11)



Order No.	EAN 4007220	Shank dia. [mm]	Clamping width [mm]		
BO 8/12-22,2 5-18	751923	8	5-18	1	0,396

Arbor for wheel brushes BO 8/22,2 5-10



BO 8/22,2 5-10 is suitable for all:

- knotted wheel brushes (RBG) up to dia. 125 mm with arbor hole 22,2 mm (pages 12, 13, 15, 16, 37)
- individual filament wheel brushes (RBU) 10028, wide (page 11)
- individual filament wheel brushes (RBU) 12528, wide (page 11)



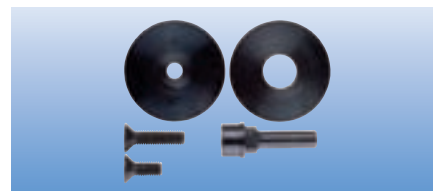
Order No.	EAN 4007220	Shank dia. [mm]	Clamping width [mm]		
BO 8/22,2 5-10	751930	8	5-10	1	0,136

Arbor for wheel brushes BO 12/22,2 10-30



BO 12/22,2 10-30 is suitable for all:

- knotted wheel brushes (RBG) dia. 150 mm (pages 12, 15, 16)
- individual filament wheel brushes (RBU) dia. 150 mm, wide (page 11)



Order No.	EAN 4007220	Shank dia. [mm]	Clamping width [mm]		
BO 12/22,2 10-30	561317	12	10-30	1	0,448

Arbor for disc brushes BO 12/22,2 6-13



BO 12/22,2 6-13 is suitable for all:

- disc brushes (DBU) with dia. 100 mm.

BO 12/22,2 6-16 is suitable for all:

- disc brushes (DBU) with dia. 125 up to 150 mm.

All arbors for disc brushes are supplied with two driving pins dia. 6,5 mm. Pitch circle dia. 31 mm.

Please refer to page 35 for further information and ordering data on the appropriate brushes.

Arbor for disc brushes BO 12/22,2 6-16



Order No.	EAN 4007220	Shank dia. [mm]	Clamping width [mm]		
BO 12/22,2 6-13	808887	12	6-13	1	0,444
BO 12/22,2 6-16	808894	12	6-16	1	0,802