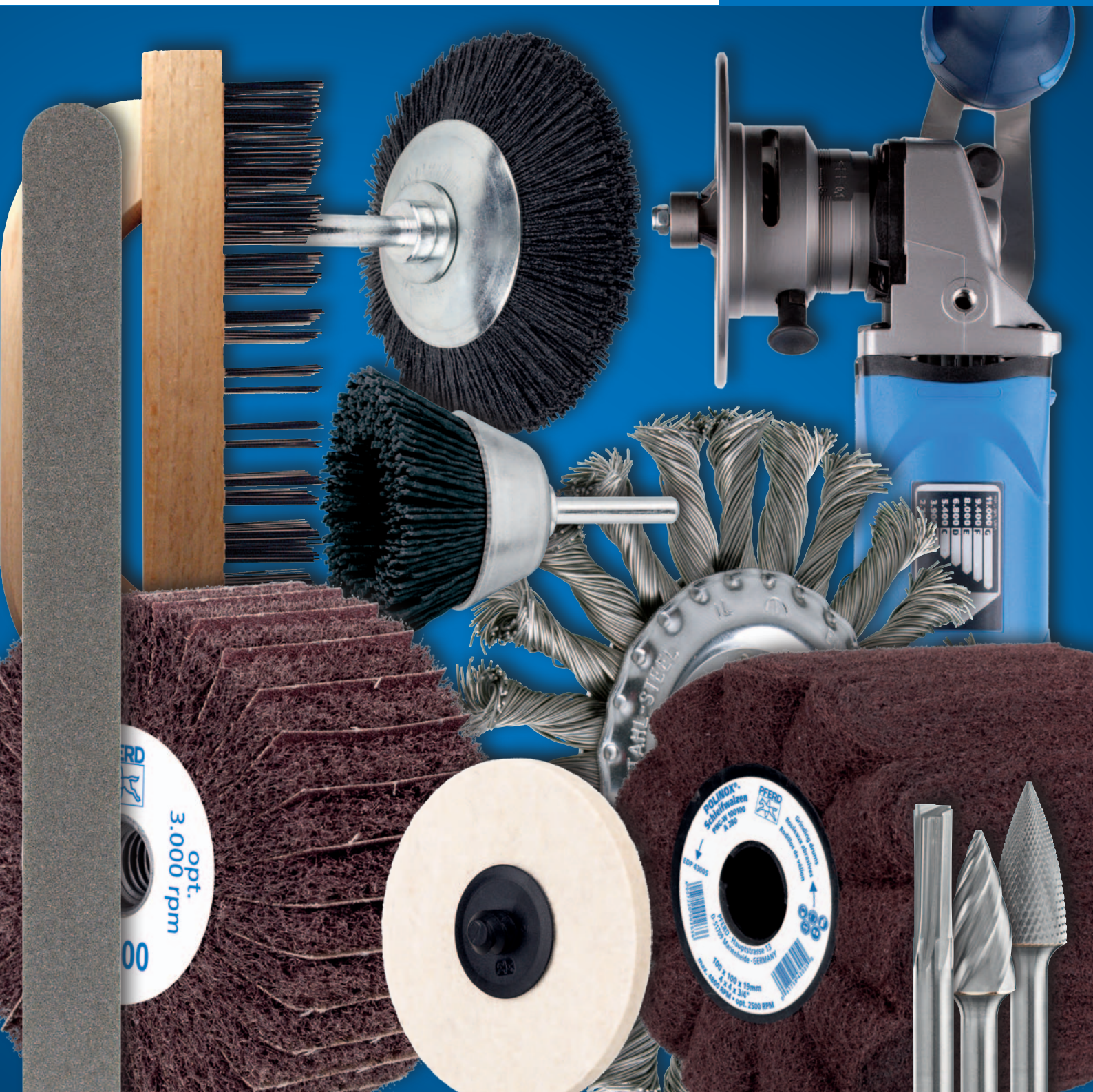


New in the PFERD product range



**TRUST BLUE**

New PFERD products and additions 2015  
to the range of the Tool Manual 22



# PFERD VALUE

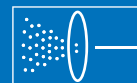
Your added value with **PFERD**



Vibration Filter



Noise Filter



Emission Filter



Haptic Filter



Energy Saving



Waste Saving



Time Saving



Resource Saving

**TRUST BLUE**

## Discover **PFERDERGONOMICS®** and **PFERDEFFICIENCY®**

You can be sure of **optimizing work processes** through the **use of powerful premium tools** and improving the **ergonomics, efficiency and sustainability** of your operations. Results from the **PFERD test laboratories** as well as from the product tests by **independent testing institutes** prove that: **PFERD tools offer a measurable added value.**

Visit our website for information about our innovative products and services.



[www.pferd.com](http://www.pferd.com)

This brochure contains all the new PFERD products and additions to the range which are not included in the PFERD Tool Manual 22. They are marked by a blue **N!** symbol and are shown in the respective product groups in catalogues 201–209.  
**N!** New in 2015

The gross prices for the new products can be found in the 2015 price list.

Content	Page
<b>Catalogue 202</b>	
EDGE FINISH system for work on edges	4–5
■ Cutting insert set 3 mm radius	5
■ Cutting insert set chamfer	5
■ Cutting insert holder 3 mm radius / 45° chamfer	5
■ Cutting insert holder 30° chamfer	5
■ Guide bearing 3 mm radius / 45° chamfer	5
■ Guide bearing 30° chamfer	5
■ Screw set for cutting inserts	5
TC burrs for aluminium/non-ferrous metals	6–7
■ Pointed tree shape SPG	7
■ Set 1603 ALU	7
TC burrs for GRP/CRP	8–9
■ Cylindrical shape ZYA	9
TC burrs for finishing	10–11
■ Pointed tree shape SPG	11
TC burrs for steel and cast steel	12–16
■ Cylindrical shape ZYA	13
■ Cylindrical shape ZYAS with end cut	13
■ Ball shape KUD	13
■ Cylindrical shape with radius end WRC	14
■ Flame shape B	14
■ Pointed tree shape SPG	15
■ Conical shape with radius end KEL	15
■ Tree shape with radius end RBF	16
■ Set 1812 STEEL	16
<b>Catalogue 204</b>	
COMBICLICK® sets	17
COMBIDISC® felt discs	18
POLINOX® flap wheels with thread	
■ POLINOX® flap wheels PNL aluminium oxide	18
■ POLINOX® flap wheels PNZ aluminium oxide	19
■ POLINOX® flap wheels PNG aluminium oxide	19
POLINOX® grinding drums	
■ POLINOX® grinding drums PNG-W	20
Unmounted flap wheels for angle grinders	20
Flanges for POLINOX® convolute wheels PNK	21

Content	Page
<b>Catalogue 205</b>	
Flexible diamond files	21
<b>Catalogue 208</b>	
Wheel brushes	
■ Wheel brushes, knotted	22
■ Wheel brushes, knotted, COMBITWIST® type	23
Bevel brushes	
■ Shank mounted bevel brushes, crimped	24
■ Bevel brushes, knotted	28
■ Bevel brushes, knotted, COMBITWIST® type	29
Cup brushes	
■ Shank mounted cup brushes, crimped	25
■ Cup brushes, knotted	26
■ Cup brushes, knotted, COMBITWIST® type	27
Scratch brushes/block brushes with handle	30
Adapters	
■ Adapter pairs AM 51	30
<b>Catalogue 209</b>	
EDGE FINISH system for work on edges in transport case	31
■ EDGE FINISH UWER 18/110 EF-R3/45° TK 230V	31
■ EDGE FINISH UWER 18/110 EF-30° TK 230V	31
■ EDGE FINISH UWER 18/110 EF 230V	31
Accessories	
■ Guide plate	32
■ Guards	32

**PFERD** MobileMedia  
[www.pferd.com/mobilemedia](http://www.pferd.com/mobilemedia)



# New in the PFERD product range 202

## EDGE FINISH system for work on edges

In addition to a specially designed drive, the EDGE FINISH system for work on edges includes a cutting tool used for defined chamfering, edge breaking and producing rounded edges on medium to large-sized steel tools.

Through the selection of the appropriate tungsten carbide cutting inserts and matching tool mounting, exact edge shapes can be created with either 30° or 45° chamfering, or with a defined radius of 3.0 mm. The desired chamfer height is adjustable from 1 to 6 mm. The special tungsten carbide cutting inserts have a high quality coating and achieve the best stock removal results.

Among other things, rounding edges is a precautionary measure for anti-corrosion protection according to:

- ISO 12944-3
- ISO 8501-3
- SOLAS XII/6.3 (Ref. T4/3.01 MSC.1/Circ. 1198)

### Safety notes:

- Never use damaged cutting inserts! There is a risk of breaking!



= Wear eye protection!



= Wear gloves!



= Wear hearing protection!



= Read the safety instructions!



= Observe the recommended rotational speed!

### Advantages:

- Large time savings by producing defined edges in a one-step operation
- Highest working comfort and optimum guidance thanks to the ergonomically optimized design and very good haptics
- Best stock removal rate and long tool life thanks to the specially coated cutting inserts
- Chamfer height individually adjustable up to 6 mm
- Fatigue-free working thanks to the anti-vibration handle SENSOHANDLE

### Application examples:

- Rounding edges in preparation for application of anti-corrosion coatings in shipbuilding, on crane systems and other medium to large-sized steel constructions which are exposed to corrosion loading
- Chamfering of the weld seam preparation of medium to large-sized components (V-shaped seam 60° according to ISO 9692-1)
- Chamfering for edge breaking (45° visible edge)

### Recommendations for use:

- Set the EDGE FINISH system to **speed range 7,100 to 8,700 RPM**
- Run the EDGE FINISH system over the workpiece in reverse rotation, to prevent damage to the tool and to avoid chatter marks on the workpiece
- Machine highly uneven burn ridges beforehand using reinforced grinding wheels or POLIFAN® flap discs, to avoid damage to the cutting inserts and to achieve better guidance
- Increase the tool life of drive and tool by appropriate maintenance and proper storage



**PFERDERGONOMICS®** recommends the EDGE FINISH system as an innovative tool solution for comfortable working with reduced vibration, good haptics and optimized tool guidance.



**PFERDEFFICIENCY®** recommends the EDGE FINISH system for long, fatigue-free and resource saving work, with perfect results in the shortest possible time.



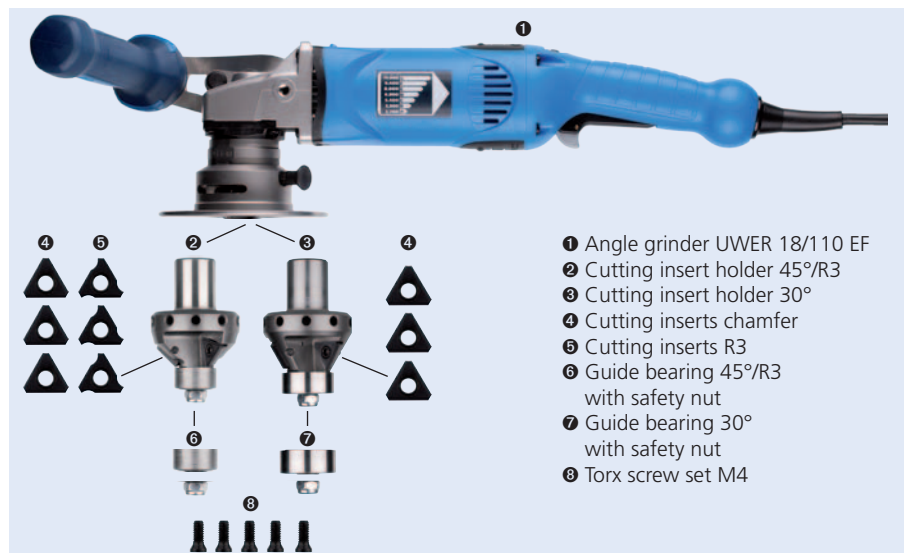
### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)

## Construction of EDGE FINISH system for work on edges

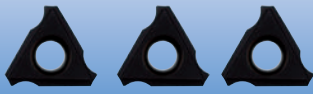
A powerful angle grinder with rotational speeds of 2,750 to 11,000 RPM provides the basis for this compelling system. Two different cutting insert holders are available and can, if necessary, be replaced at any time. They specify the desired angle of 30° or 45° and come with three tungsten carbide cutting inserts. In combination with a high-quality surface coating, these inserts allow outstanding stock removal rates and produce defined chamfers or radii depending on the type. The guide bearing ensures optimum guidance along the edges to be finished.

All of the described parts are available both as a complete system (see page 31) and separately. The available, robust transport case provides the best possible protection and has enough space for accessories (see page 5).



- 1 Angle grinder UWER 18/110 EF
- 2 Cutting insert holder 45°/R3
- 3 Cutting insert holder 30°
- 4 Cutting inserts chamfer
- 5 Cutting inserts R3
- 6 Guide bearing 45°/R3 with safety nut
- 7 Guide bearing 30° with safety nut
- 8 Torx screw set M4

**Cutting insert set  
3 mm radius**



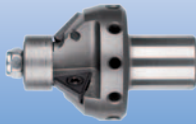
**Ordering example:**  
 EAN 4007220005118  
 EF-WSP-F

**Cutting insert set  
chamfer**



Description	EAN 4007220	Angle $\alpha$	Radius [mm]	Suitable for cutting insert holder	
<b>Cutting insert set 3 mm radius</b>					
<b>N!</b> EF-WSP-R3	005101	–	3.0	EF-WSP-A R3/45°	1
<b>Cutting insert set chamfer</b>					
<b>N!</b> EF-WSP-F	005118	45°/30°	–	EF-WSP-A R3/45°, EF-WSP-A 30°	1

**Cutting insert holder  
3 mm radius / 45° chamfer**



**Ordering example:**  
 EAN 4007220005170  
 EF-WSP-A 30°

**Ordering note:**  
 ■ The cutting inserts and matching screw sets are not included in the delivery. Please order separately.

**Cutting insert holder  
30° chamfer**



Description	EAN 4007220	Angle $\alpha$	Radius [mm]	Suitable for cutting inserts	Suitable for machine type	
<b>Cutting insert holder 3 mm radius / 45° chamfer</b>						
<b>N!</b> EF-WSP-A R3/45°	005200	45°	3.0	EF-WSP-R3, EF-WSP-F	UWER 18/110 EF	1
<b>Cutting insert holder 30° chamfer</b>						
<b>N!</b> EF-WSP-A 30°	005170	30°	–	EF-WSP-F	UWER 18/110 EF	1

**Guide bearing  
3 mm radius / 45° chamfer**



**Ordering example:**  
 EAN 4007220005132  
 EF-FL-30°

**Guide bearing  
30° chamfer**



Description	EAN 4007220	Suitable for cutting insert holder	
<b>N!</b> EF-FL-R3/45°	005163	EF-WSP-A R3/45°	1
<b>N!</b> EF-FL-30°	005132	EF-WSP-A 30°	1



**Ordering example:**  
 EAN 4007220005392  
 WSP-S-M4S

**Screw set for cutting inserts**



Description	EAN 4007220	Content of the set	Suitable for cutting inserts	
<b>N!</b> WSP-S-M4S	005392	5	EF-WSP-R3, EF-WSP-F	1

# New in the PFERD product range 202

## TC burrs for aluminium/non-ferrous metals

### Cut ALU



PFERD has further developed the ALU cut especially for stock removal on aluminium. This cut is characterized by its high stock removal performance.

#### Advantages:

- Extremely high stock removal performance
- Large chips
- Reduced material adhesion
- Long tool life and smooth running
- Can be used with cutting speeds of up to 1,100 m/min

### Cut NON-FERROUS



PFERD has developed the NON-FERROUS cut for universal use on non-ferrous metals and fibre-reinforced plastics. This cut is characterized by its high stock removal performance.

#### Advantages:

- Universally suitable for coarse stock removal on non-ferrous metals, brass, copper, plastics and fibre-reinforced plastics

#### Notes:

- The use of burrs with PFERD HICOAT® coating HC-NFE prevents chips adhering during work on soft aluminium alloys. This increases the tool life and improves the surface quality of the workpiece.  
**For coated tungsten carbide burrs with ALU cut, please refer to tungsten carbide burrs with HICOAT® coating HC-NFE in the Tool Manual 22, Catalogue 202, pages 54 and following.**
- Alternatively, grinding oil can be used. More detailed information and ordering data for grinding oil 412 ALU can be found in the Tool Manual 22, Catalogue 204.

### Recommended rotational speed range

To determine the recommended cutting speed range [m/min], please proceed as follows:

- 1 Select the material group to be machined
- 2 Determine the type of application

- 3 Select the cut
- 4 Establish the cutting speed range

To determine the recommended rotational speed range, please proceed as follows:

- 5 Select the required burr diameter
- 6 The cutting speed range and the burr diameter determine the recommended rotational speed range

1 Material groups		2 Application		3 Cut	4 Cutting speed
Non-ferrous metals	Soft non-ferrous metals	Aluminium alloys	Coarse stock removal	ALU	600–1,100 m/min
			Fine stock removal		900–1,100 m/min
		Brass, copper, zinc	Coarse stock removal	ALU	600–1,100 m/min
			Fine stock removal	NON-FERROUS	450–600 m/min
	Hard non-ferrous metals	Hard aluminium alloys (high Si content)	Coarse stock removal	ALU	600–1,100 m/min
			Fine stock removal		900–1,100 m/min
		Titanium and titanium alloys	Coarse stock removal	ALU	450–600 m/min
			Fine stock removal		600–900 m/min
		Bronze	Coarse stock removal	ALU	600–1,100 m/min
			Fine stock removal	NON-FERROUS	600–1,100 m/min
Plastics, other materials	Fibre-reinforced plastics (GRP/CRP), thermoplastics	Coarse stock removal	NON-FERROUS	600–1,100 m/min	
		Fine stock removal	ALU	600–900 m/min	
			ALU	600–1,100 m/min	

#### Example:

TC burr,  
Cut ALU,  
Burr dia. 12 mm.  
Coarse stock removal on hard non-ferrous metals, e.g. bronze.  
Cutting speed: 600–1,100 m/min  
**Rotational speed: 16,000–30,000 RPM**

5 Burr dia. [mm]	6 Cutting speed [m/min]			
	450	600	900	1,100
Rotational speed [RPM]				
3	48,000	64,000	95,000	117,000
6	24,000	32,000	48,000	59,000
8	18,000	24,000	36,000	44,000
10	14,000	19,000	29,000	35,000
12	12,000	16,000	24,000	30,000
16	9,000	12,000	18,000	22,000



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



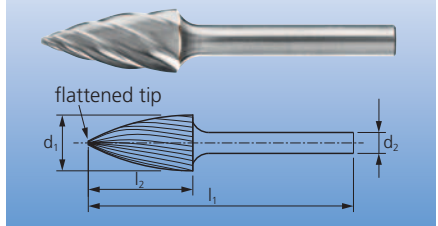
**PFERDVIDEO**  
You will receive more information here or at [www.pferd.com](http://www.pferd.com)





Pointed tree-shaped burr according to DIN 8032, flattened tip.

**Ordering example:**  
EAN 4007220**003503**  
SPG 0618/6 ALU

### Pointed tree shape SPG



Description	Cut	Shank dia. d <sub>2</sub> [mm]	Burr dia. x length d <sub>1</sub> x l <sub>2</sub> [mm]	Overall length l <sub>1</sub> [mm]	
	ALU				
					
	EAN 4007220				

#### Shank dia. 3 mm

<b>N!</b> SPG 0307/3	003350	3	3 x 7	37	1
<b>N!</b> SPG 0313/3	003435	3	3 x 13	43	1
<b>N!</b> SPG 0613/3	003442	3	6 x 13	43	1

#### Shank dia. 6 mm

<b>N!</b> SPG 0618/6	003503	6	6 x 18	55	1
<b>N!</b> SPG 0820/6	003534	6	8 x 20	60	1
<b>N!</b> SPG 1020/6	003558	6	10 x 20	60	1
<b>N!</b> SPG 1225/6	003596	6	12 x 25	65	1

**Set 1603 ALU** contains ten tungsten carbide miniature burrs for work on aluminium in the most common shapes and dimensions. The sturdy plastic box protects the tools from dirt and damage.

**Contents:**  
10 tungsten carbide burrs,  
shank diameter 3 mm, cut ALU  
1 piece each:

SPG 0313/3 ALU	SPG 0613/3 ALU
ZYAS 0313/3 ALU	ZYAS 0613/3 ALU
RBF 0313/3 ALU	RBF 0613/3 ALU
WRC 0313/3 ALU	WRC 0613/3 ALU
KUD 0302/3 ALU	KUD 0605/3 ALU

### Set 1603 ALU



Description	Cut	
	ALU	
		
	EAN 4007220	

#### Shank dia. 3 mm

<b>N!</b> 1603 ALU	004401	1
--------------------	--------	---



# New in the PFERD product range 202

## TC burrs for GRP/CRP

Tungsten carbide burrs with PLAST, FVK and FVKS cuts are suitable for trimming and contour milling of a wide range of fibre-reinforced plastics (GRP/CRP).

Burrs with end cut (BS) or with center drill (ZBS) allow combined drilling and cutting tasks.

Burrs with end cut (STS) allow the drilling of holes with little burr formation. The version with flat end cut (FSTS) is used for milling grooves and pockets. Both versions are only for use on machines and on robots.

The special tooth geometry allows high feed rates due to the low resistance. In addition these burrs are characterized by smooth milling.

### Application examples:

- Trimming
- Contour milling
- Creating cut-outs
- Deburring
- Milling of slots (with FSTS)
- Drilling of blind holes (with FSTS)
- Milling with little burr formation (with STS)

### Recommendations for use:

- The design with special end cut (BS) is particularly suitable for machine and robot use, while the version with center drill (ZBS) is used for manual applications. It allows secure drilling on almost all surface conditions.
- The versions with end cut (STS) and flat end cut (FSTS) are exclusively for use on machines and on robots.
- Select a burr diameter greater than the thickness of the material to be machined, to avoid impacts and chattering with the risk of damaging or breaking the tool.
- Increase the rotational speed if the tool tends to chatter.
- If necessary, reduce the rotational speed and contact pressure if melting occurs.

### Cut PLAST



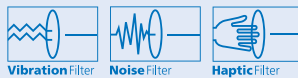
Tungsten carbide burrs with the PLAST cut are particularly suitable for use on less hard glass- and carbon-fibre-reinforced duroplastics (GRP and CRP  $\leq 40\%$  fibre content) and fibre-reinforced thermoplastics.

The cut (similar to PCD milling) minimizes delamination and fraying.

### Advantages:

- Particularly suitable for GRP and CRP  $\leq 40\%$  fibre content
- Minimizes delamination and fraying due to the special cut that is similar to PCD mills
- Very suitable for machine use and robot use
- Very low cutting force
- High feed rates

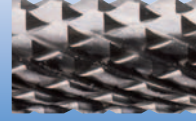
**PFERDERGONOMICS®** recommends burrs with PLAST cut as an innovative tool solution for comfortable working with significantly reduced vibration and lower noise.



**PFERDEFFICIENCY®** recommends burrs with PLAST cut for long, fatigue-free and resource saving work, with perfect results in the shortest possible time.



### Cut FVK



### Cut FVKS



Tungsten carbide burrs with FVK and FVKS cuts can be used on hard glass- and carbonfibre-reinforced duroplastics (GRP and CRP  $> 40\%$  fibre content).

Due to its high concentricity, the FVK cut is suitable for tool machines and manual applications.

The FVKS cut is suitable for use on machines and robots with high feed rates. It is characterized by smooth milling and produces a smooth cut edge.

### Advantages:

- Particularly suitable for GRP and CRP  $> 40\%$  fibre content
- The FVKS cut produces smooth edges and is characterized by smooth milling



More PFERD tools and a large number of application tips on working with plastics can be found in our PRAXIS brochure "PFERD tools for use on plastics". Please contact us.



### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)

### Recommended rotational speed range

To determine the recommended rotational speed range, please proceed as follows:

- 1 Select the material group to be machined
- 2 Select the cut
- 3 Refer to the table for the cutting speed range

- 4 Select the required burr diameter
- 5 The cutting speed range and the burr diameter determine the recommended rotational speed range

1 Material groups	Application	2 Cut	3 Cutting speed
Plastics, other materials	Trimming, contour milling, creating cut-outs, deburring	PLAST	450–900 m/min
		FVK	
		FVKS	

### Example:

TC burr,  
Cut PLAST,  
Burr dia. 8 mm.  
Trimming of plastics.  
Cutting speed: 450–900 m/min  
**Rotational speed: 18,000–36,000 RPM**

4 Burr dia. [mm]	5 Cutting speed [m/min]	
	450	900
Rotational speed [RPM]		
6	24,000	48,000
8	18,000	36,000





Cylindrical burr.

**Ordering example:**  
 EAN 4007220**003107**  
 ZYA 0625/6 STS PLAST  
 Please complete the description with the desired cut.

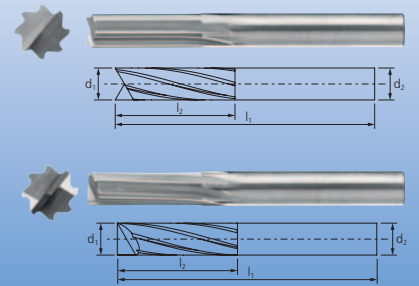
**PFERDERGONOMICS®:**





**PFERDEFFICIENCY®:**



Cylindrical shape ZYA



Description	Cut	Shank dia. d <sub>2</sub> [mm]	Burr dia. x length d <sub>1</sub> x l <sub>2</sub> [mm]	Overall length l <sub>1</sub> [mm]	
	PLAST  EAN 4007220				
<b>Shank dia. 6 mm with end cut</b>					
<b>N!</b> ZYA 0625/6 STS	003107	6	6 x 25	65	1
<b>Shank dia. 8 mm with end cut</b>					
<b>N!</b> ZYA 0825/8 STS	003121	8	8 x 25	65	1
<b>Shank dia. 6 mm with flat end cut</b>					
<b>N!</b> ZYA 0625/6 FSTS	003138	6	6 x 25	65	1
<b>Shank dia. 8 mm with flat end cut</b>					
<b>N!</b> ZYA 0825/8 FSTS	003152	8	8 x 25	65	1



# New in the PFERD product range 202

## TC burrs for finishing

### Cut MICRO



Tungsten carbide burrs with MICRO cut are specifically designed for finishing. They are well suited for manual and machine applications and are characterized by good stock removal and a high surface quality.

The MICRO cut can be used for work on almost all materials up to a hardness of 68 HRC. Tungsten carbide burrs with MICRO cut can be used in areas in which mounted points are usually used, but where a high stock removal is also required. They work with less noise and low vibrations.

### Application examples:

- Finishing
- Very fine cleaning work
- Corrections in tool and mould construction
- Sharpening of cutting tools

### Advantages:

- High surface quality
- Unlike with mounted points, there is no change in geometry due to wear and tear
- Work on almost all materials up to 68 HRC

**PFERDERGONOMICS®** recommends burrs with MICRO cut as an innovative tool solution for comfortable working with significantly reduced vibration and lower noise.



**PFERDEFFICIENCY®** recommends burrs with MICRO cut for long, fatigue-free work, with perfect results in the shortest possible time



### Recommended rotational speed range

To determine the recommended cutting speed range [m/min], please proceed as follows:

- 1 Select the material group to be machined
- 2 Establish the cutting speed range

To determine the recommended rotational speed range, please proceed as follows:

- 3 Select the required burr diameter
- 4 The cutting speed range and the burr diameter determine the recommended rotational speed range

1 Material groups		Application	Cut	2 Cutting speed
Steel, cast steel	Non-hardened, non-heat-treated steels up to 1,200 N/mm <sup>2</sup> (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel	MICRO	600–750 m/min
	Hardened, heat-treated steels over 1,200 N/mm <sup>2</sup> (> 38 HRC)	Tool steels, tempering steels, alloyed steels, cast steel		450–600 m/min
Stainless steel (INOX)	Rust- and acid-resistant steels	Austenitic and ferritic stainless steels	MICRO	450–600 m/min
Non-ferrous metals	Hard non-ferrous metals	Bronze, titanium/titanium alloys, hard aluminium alloys (high Si content)	MICRO	450–600 m/min
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys (engine and turbine construction)		
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite EN-GJL (GG), with nodular graphite/nodular cast iron EN-GJS (GGG), white annealed cast iron EN-GJM (GTW), black cast iron EN-GJMB (GTS)	MICRO	600–750 m/min

### Example:

TC burr,  
Cut MICRO,  
Burr dia. 10 mm.  
Fine stock removal on non-hardened, non-heat-treated steels  
Cutting speed: 600–750 m/min  
**Rotational speed: 19,000–24,000 RPM**



3 Burr dia. [mm]	4 Cutting speed [m/min]		
	450	600	750
	Rotational speed [RPM]		
2	72,000	95,000	120,000
3	48,000	64,000	80,000
4	36,000	48,000	60,000
6	24,000	32,000	40,000
8	18,000	24,000	30,000
10	14,000	19,000	24,000
12	12,000	16,000	20,000



### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)



Pointed tree-shaped burr according to DIN 8032, flattened tip.

**Ordering example:**  
EAN 4007220**003916**  
SPG 0618/6 MICRO

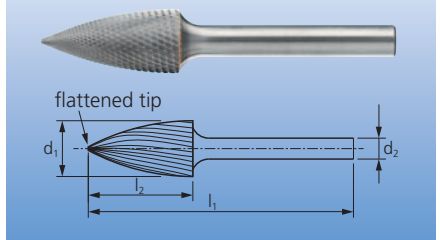
**PFERDERGONOMICS®:**





**PFERDEFFICIENCY®:**



**Pointed tree shape SPG**

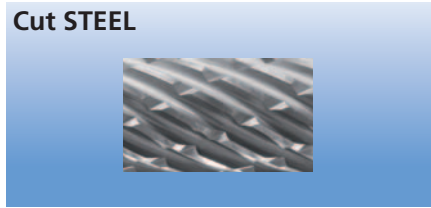


Description	Cut	Shank dia. $d_2$ [mm]	Burr dia. x length $d_1 \times l_2$ [mm]	Overall length $l_1$ [mm]	
	MICRO  EAN 4007220				
<b>Shank dia. 3 mm</b>					
<b>N!</b> SPG 0307/3	003886	3	3 x 7	37	1
<b>N!</b> SPG 0313/3	003893	3	3 x 13	43	1
<b>N!</b> SPG 0613/3	003909	3	6 x 13	43	1
<b>Shank dia. 6 mm</b>					
<b>N!</b> SPG 0618/6	003916	6	6 x 18	55	1
<b>N!</b> SPG 0820/6	003923	6	8 x 20	60	1
<b>N!</b> SPG 1020/6	003930	6	10 x 20	60	1
<b>N!</b> SPG 1225/6	003954	6	12 x 25	65	1



# New in the PFERD product range 202

## TC burrs for steel and cast steel



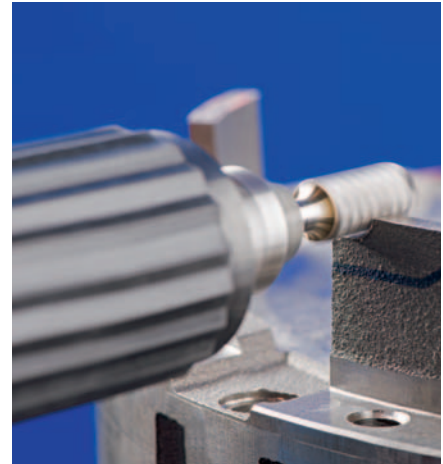
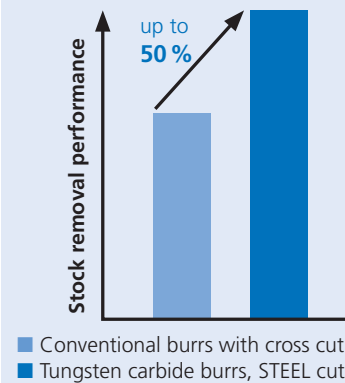
With the innovative STEEL cut, PFERD has developed burrs for working with steel and cast steel. They are characterized by a significantly increased aggressiveness and good guidability.

Thus they ensure safe and precise work. The extremely high stock removal performance makes these burrs with cut STEEL impressive, with significant time savings and high economic value.

### Advantages:

- Up to 50 % higher stock removal performance when used on steel and cast steel in comparison to conventional cross cut burrs
- Significantly increased aggressiveness, large chips and very good chip removal through the innovative tooth geometry
- Protection of the workpiece and tool through much lower thermal load

### Performance values for applications on steel and cast steel



**PFERDERGONOMICS®** recommends burrs with STEEL cut as an innovative tool solution for comfortable working with reduced vibration and lower noise.



**PFERDEFFICIENCY®** recommends burrs with STEEL cut for long, fatigue-free and resource saving work, with perfect results in the shortest possible time



### Recommended rotational speed range

To determine the recommended rotational speed range, please proceed as follows:

- 1 Cutting speed der Tabelle entnehmen
- 2 Select the required burr diameter
- 3 The cutting speed range and the burr diameter determine the recommended rotational speed range

Material groups		Application	Cut	1 Cutting speed
Steel, cast steel	Non-hardened, non-heat-treated steels up to 1,200 N/mm <sup>2</sup> (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, casehardened steels, cast steel	STEEL	450–750 m/min
	Hardened, heat-treated steels over 1,200 N/mm <sup>2</sup> (> 38 HRC)	Tool steels, tempering steels, alloyed steel, cast steel		

### Example:

TC burr,  
Cut STEEL,  
Burr dia. 12 mm.  
Cutting speed: 450–750 m/min  
**Rotational speed: 12,000–20,000 RPM**

2 Burr dia. [mm]	3 Cutting speed [m/min]	
	450	750
	Rotational speed [RPM]	
6	24,000	40,000
8	18,000	30,000
10	14,000	24,000
12	12,000	20,000



### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)



Cylindrical burr according to DIN 8032.  
 Shape ZYAS with circumferential and end cut.

**Ordering example:**  
 EAN 4007220**937198**  
 ZYA 0616/6 STEEL

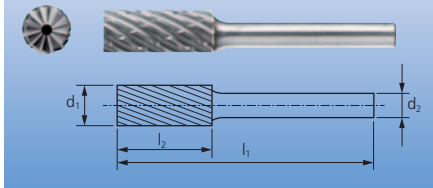
**PFERDERGONOMICS®:**



**PFERDEFFICIENCY®:**



**Cylindrical shape ZYA**  
**Cylindrical shape ZYAS with end cut**



Description	Cut	Shank dia. d <sub>2</sub> [mm]	Burr dia. x length d <sub>1</sub> x l <sub>2</sub> [mm]	Overall length l <sub>1</sub> [mm]	
	STEEL				
	EAN 4007220				

**Shank dia. 6 mm without end cut**

ZYA 0616/6	937198	6	6 x 16	55	1
ZYA 0820/6	937211	6	8 x 20	60	1
ZYA 1020/6	937235	6	10 x 20	60	1
ZYA 1225/6	937242	6	12 x 25	65	1
<b>N!</b> ZYA 1625/6	002360	6	16 x 25	65	1

**Shank dia. 6 mm with end cut**

ZYAS 0616/6	937259	6	6 x 16	55	1
ZYAS 0820/6	937266	6	8 x 20	60	1
ZYAS 1020/6	937310	6	10 x 20	60	1
ZYAS 1225/6	937341	6	12 x 25	65	1
<b>N!</b> ZYAS 1625/6	002889	6	16 x 25	65	1

Ball-shaped burr according to DIN 8032.

**Ordering example:**  
 EAN 4007220**936832**  
 KUD 0605/6 STEEL

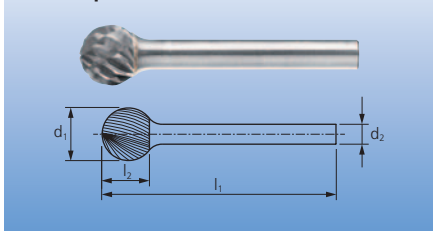
**PFERDERGONOMICS®:**



**PFERDEFFICIENCY®:**



**Ball shape KUD**



Description	Cut	Shank dia. d <sub>2</sub> [mm]	Burr dia. x length d <sub>1</sub> x l <sub>2</sub> [mm]	Overall length l <sub>1</sub> [mm]	
	STEEL				
	EAN 4007220				

**Shank dia. 6 mm**

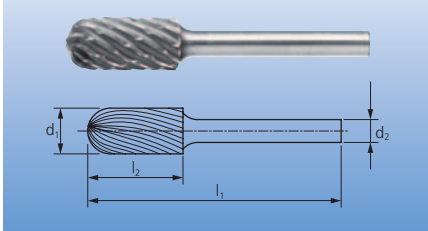
KUD 0605/6	936832	6	6 x 5	45	1
KUD 0807/6	936849	6	8 x 7	47	1
KUD 1009/6	936863	6	10 x 9	49	1
KUD 1210/6	936870	6	12 x 10	51	1
<b>N!</b> KUD 1614/6	003008	6	16 x 14	54	1

# New in the PFERD product range 202

## TC burrs for steel and cast steel



### Cylindrical shape with radius end WRC



Cylindrical burr with radius end according to DIN 8032. Combination of cylindrical and ball-shaped geometries.

**Ordering example:**  
EAN 4007220**937129**  
WRC 0616/6 STEEL

PFERDERGONOMICS®:



PFERDEFFICIENCY®:

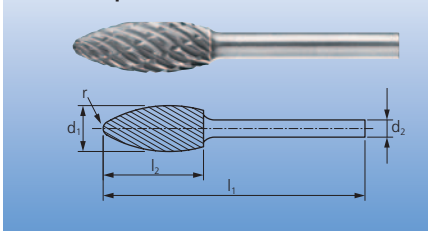


Description	Cut	Shank dia. d <sub>2</sub> [mm]	Burr dia. x length d <sub>1</sub> x l <sub>2</sub> [mm]	Overall length l <sub>1</sub> [mm]	
	STEEL				
	EAN 4007220				

#### Shank dia. 6 mm

WRC 0616/6	937129	6	6 x 16	55	1
WRC 0820/6	937150	6	8 x 20	60	1
WRC 1020/6	937174	6	10 x 20	60	1
WRC 1225/6	936696	6	12 x 25	65	1
<b>N!</b> WRC 1625/6	003022	6	16 x 25	65	1

### Flame shape B



Flame-shaped burr according to ISO 7755/8.

**Ordering example:**  
EAN 4007220**936719**  
B 0820/6 STEEL

PFERDERGONOMICS®:



PFERDEFFICIENCY®:



Description	Cut	Shank dia. d <sub>2</sub> [mm]	Burr dia. x length d <sub>1</sub> x l <sub>2</sub> [mm]	Overall length l <sub>1</sub> [mm]	Radius r [mm]	
	STEEL					
	EAN 4007220					

#### Shank dia. 6 mm

B 0820/6	936719	6	8 x 20	60	1.5	1
B 1230/6	936764	6	12 x 30	70	2.1	1
<b>N!</b> B 1635/6	003039	6	16 x 35	75	2.6	1



Pointed tree-shaped burr according to DIN 8032, flattened tip.

**Ordering example:**  
EAN 4007220**937013**  
SPG 1020/6 STEEL

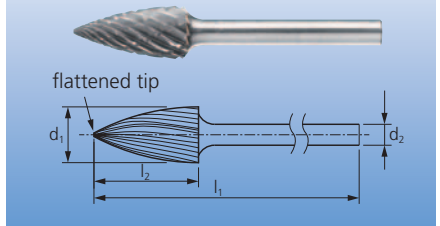
**PFERDERGONOMICS®:**





**PFERDEFFICIENCY®:**



**Pointed tree shape SPG**



Description	Cut	Shank dia. $d_2$ [mm]	Burr dia. x length $d_1 \times l_2$ [mm]	Overall length $l_1$ [mm]	
	STEEL				
					
	<b>EAN 4007220</b>				

**Shank dia. 6 mm**

SPG 0618/6	936979	6	6 x 18	55	1
SPG 0820/6	936993	6	8 x 20	60	1
SPG 1020/6	937013	6	10 x 20	60	1
SPG 1225/6	937082	6	12 x 25	65	1
<b>N!</b> SPG 1630/6	003046	6	16 x 30	70	1

Conical burr with radius end according to DIN 8032.

**Ordering example:**  
EAN 4007220**936818**  
KEL 1230/6 STEEL

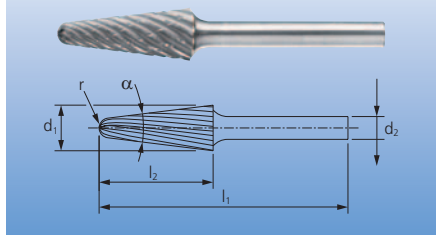
**PFERDERGONOMICS®:**





**PFERDEFFICIENCY®:**



**Conical shape with radius end KEL**



Description	Cut	Shank dia. $d_2$ [mm]	Burr dia. x length $d_1 \times l_2$ [mm]	Overall length $l_1$ [mm]	Angle $\alpha$	Radius $r$ [mm]	
	STEEL						
							
	<b>EAN 4007220</b>						

**Shank dia. 6 mm**

KEL 1020/6	936771	6	10 x 20	60	14°	2.9	1
KEL 1230/6	936818	6	12 x 30	70	14°	2.6	1
<b>N!</b> KEL 1630/6	003053	6	16 x 30	70	14°	4.8	1

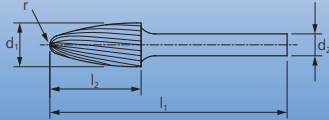


# New in the PFERD product range 202

## TC burrs for steel and cast steel



### Tree shape with radius end RBF



Tree-shaped burr with radius end according to DIN 8032.

**Ordering example:**  
EAN 4007220**936887**  
RBF 0618/6 STEEL

#### PFERDERGONOMICS®:



#### PFERDEFFICIENCY®:



Description	Cut	Shank dia. d <sub>2</sub> [mm]	Burr dia. x length d <sub>1</sub> x l <sub>2</sub> [mm]	Overall length l <sub>1</sub> [mm]	Radius r [mm]	
	STEEL					
	EAN 4007220					

#### Shank dia. 6 mm

RBF 0618/6	936887	6	6 x 18	55	1.5	1
RBF 0820/6	936900	6	8 x 20	60	1.2	1
RBF 1020/6	936924	6	10 x 20	60	2.5	1
RBF 1225/6	936931	6	12 x 25	65	2.5	1
<b>N!</b> RBF 1630/6	003060	6	16 x 30	70	3.6	1

### Set 1812 STEEL



**Set 1812 STEEL** contains five tungsten carbide burrs for work on steel and cast steel in the most common shapes and dimensions. The sturdy plastic box protects the tools from dirt and damage. The burrs are secured at the shanks, facilitating the selection and withdrawal of the tools. Five further unused slots are available for other burrs.

#### Contents:

5 tungsten carbide burrs,  
shank diameter 6 mm, cut STEEL  
1 piece each:  
ZYA 1225/6 STEEL  
KUD 1210/6 STEEL  
WRC 1225/6 STEEL  
RBF 1225/6 STEEL  
SPG 1225/6 STEEL

Description	Cut	
	STEEL	
	EAN 4007220	

#### Shank dia. 6 mm

<b>N!</b> 1812 STEEL	004357	1
----------------------	--------	---



Set for surface work, from coarse to mirror polished.

To get to know and to test the extensive systems available.

### COMBICLICK® CC-SET 115 M14 and 5/8-11

#### Contents:

3 pcs. each of COMBICLICK® fibre discs:

- CC-FS 115 CO-COOL 36
- CC-FS 115 CO-COOL 120
- CC-FS 115 A-COOL 220

1 pc. each of COMBICLICK® non-woven discs:

- CC-VRH 115 A 240 F
- CC-VRH 115 A 180 M
- CC-VRH 115 A 100 G
- CC-VRW 115 A 280
- CC-VRW 115 A 180
- CC-VRW 115 A 100
- CC-PNER W 115 SiC F

1 piece each:

- Universal polishing paste
- COMBICLICK® felt discs CC-FR 115
- COMBICLICK® backing pad  
CC-GT 115-125 M14 or 5/8-11

### COMBICLICK® CC-SET 125 M14 and 5/8-11

#### Contents:

3 pcs. each of COMBICLICK® fibre discs:

- CC-FS 125 CO-COOL 36
- CC-FS 125 CO-COOL 120
- CC-FS 125 A-COOL 220

1 pc. each of COMBICLICK® non-woven discs:


- CC-VRH 125 A 240 F
- CC-VRH 125 A 180 M
- CC-VRH 125 A 100 G
- CC-VRW 125 A 280
- CC-VRW 125 A 180
- CC-VRW 125 A 100
- CC-PNER W 125 SiC F

1 piece each:

- Universal polishing paste
- COMBICLICK® felt discs CC-FR 125
- COMBICLICK® backing pad  
CC-GT 115-125 M14 or 5/8-11



COMBICLICK® sets


Description	EAN 4007220	
CC-SET 115 M14	955345	1
<b>N!</b> CC-SET 115 5/8-11	955406	1
CC-SET 125 M14	955369	1
<b>N!</b> CC-SET 125 5/8-11	955413	1

**PFERDERGONOMICS®** recommends COMBICLICK® as an innovative tool solution to sustainably reduce vibration, noise and dust levels produced by tools, and to improve working comfort.



**PFERDEFFICIENCY®** recommends COMBICLICK® for long, fatigue-free and resource saving work, with perfect results in the shortest possible time. The patented quick-mounting system reduces tool change and setup times.





**PFERDVIDEO**

You will receive more information here or at [www.pferd.com](http://www.pferd.com)



# New in the PFERD product range 204

## COMBIDISC® felt discs






Suitable for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on medium-sized surfaces.

### PFERDERGONOMICS®:

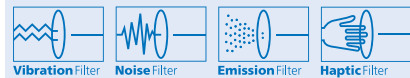


### PFERDEFFICIENCY®:



Description	EAN 4007220	D <sub>1</sub> [mm]	Recom. speed [RPM]	
<b>CD system</b> 				
CD FR 50	440490	50	2,000–4,000	10
CD FR 75	440506	75	1,200–2,500	10
<b>CDR system</b> 				
<b>N!</b> CDR FR 50	004784	50	2,000–4,000	10
<b>N!</b> CDR FR 75	004791	75	1,200–2,500	10

PFERDERGONOMICS® recommends COMBIDISC® tools as a solution to sustainably reduce vibration, noise and dust levels produced by tools and to improve working comfort.



PFERDEFFICIENCY® recommends COMBIDISC® tools to reduce tool change and setup times.



### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)

## POLINOX® flap wheels with thread



Made of radially arranged flaps of non-woven abrasive material. A long tool life is achieved through the dense packing of the flaps.

The tool is designed for work on medium-sized areas on speed-adjustable angle grinders and fillet weld grinders and can be mounted directly on the work spindle of the drive system.

**Abrasive: Aluminium oxide A**

### Ordering example:


EAN 4007220**003329**

PNL 10050 M14 A **100**

Please complete the description with the desired grit size.

### PFERDERGONOMICS®:



Description	Grit size			D x T [mm]	H [mm]	Recom. speed [RPM]	Max. perm. speed [RPM]	
	100	180	280					
	EAN 4007220							
<b>N!</b> PNL 10050 M14 A	003329	003336	003343	100 x 50	M14	3,000	6,000	5
<b>N!</b> PNL 10050 5/8-11 A	003367	003374	003381	100 x 50	5/8-11	3,000	6,000	5

The non-woven abrasive is arranged in multiple radial flaps, with abrasive cloth interlayers. This flap structure permits improved stock removal and produces a coarser finish.

The tool is designed for work on medium-sized areas on speed-adjustable angle grinders and fillet weld grinders and can be mounted directly on the work spindle of the drive system.

**Abrasive: Aluminium oxide A**

**Ordering example:**

EAN 400722003411  
PNZ 10050 M14 A 100


Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



**POLINOX® flap wheels PNZ  
Aluminium oxide**



Description	Grit size			D x T [mm]	H [mm]	Recom. speed [RPM]	Max. perm. speed [RPM]	
	100	180						
	EAN 4007220							
<b>N!</b> PNZ 10050 M14 A	003411	003428		100 x 50	M14	3,000	6,000	5
<b>N!</b> PNZ 10050 5/8-11 A	003398	003404		100 x 50	5/8-11	3,000	6,000	5

Made of several very wavy arranged strips of non-woven material, wound around a core.

The wavy structure of the non-woven material permits seamless brush matting of surfaces.

The tool is designed for work on medium-sized areas on speed-adjustable angle grinders and fillet weld grinders and can be mounted directly on the work spindle of the drive system.

**Abrasive: Aluminium oxide A**

**Ordering example:**

EAN 400722003268  
PNG 10050 M14 A 100


Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



**POLINOX® flap wheels PNG  
Aluminium oxide**



Description	Grit size			D x T [mm]	H [mm]	Recom. speed [RPM]	Max. perm. speed [RPM]	
	100	180	280					
	EAN 4007220							
<b>N!</b> PNG 10050 M14 A	003268	003275	003282	100 x 50	M14	3,000	6,000	5
<b>N!</b> PNG 10050 5/8-11 A	003299	003305	003312	100 x 50	5/8-11	3,000	6,000	5
<b>N!</b> PNG 12550 M14 A	002643	002650	002667	125 x 50	M14	2,300	3,800	2
<b>N!</b> PNG 12550 5/8-11 A	002674	002681	002698	125 x 50	5/8-11	2,300	3,800	2

PFERDERGONOMICS® recommends POLINOX® flap wheels to sustainably reduce vibration and noise levels during use and to improve working comfort.



# New in the PFERD product range 204

## POLINOX® grinding drums

### POLINOX® grinding drums PNG-W



Made of several strips of corrugated non-woven material, wound around a common core.

The wavy structure of the non-woven material permits seamless brush matting of large surfaces.

**Abrasive: Aluminium oxide A**

**Ordering example:**

EAN 4007220002612


PNG-W 100100 A 100

Please complete the description with the desired grit size.



**PFERDERGONOMICS®:**



Description	Grit size			D x T [mm]	H [mm]	Recom. speed [RPM]	Max. perm. speed [RPM]	
	100	180	280					
<b>EAN 4007220</b>								
<b>N!</b> PNG-W 100100 A	002612	002629	002636	100 x 100	19	2,500	4,800	1

**PFERDERGONOMICS®** recommends POLINOX® grinding drums to sustainably reduce vibration and noise levels during use and to improve working comfort.



## Unmounted flap wheels

### Unmounted flap wheels for angle grinders



The ideal tool for use on angle grinders in assembly shop operations.

**Abrasive: Aluminium oxide A**

**Recommendations for use:**

- Unmounted flap wheels for angle grinders achieve their best performance at a recommended cutting speed of 40–50 m/s

**Ordering example:**


EAN 4007220752364

FR-WS 11520 M14 A 40

Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



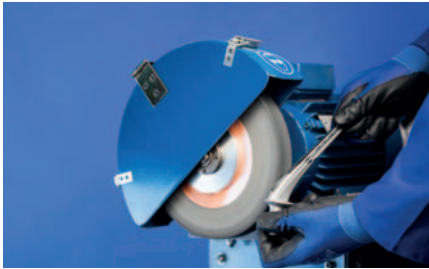
Description	Grit size				D x T [mm]	Thread	Recom. speed [RPM]	Max. perm. speed [RPM]	
	40	60	80	120					
<b>EAN 4007220</b>									
FR-WS 11520 M 14 A	752364	752388	752395	752401	115 x 20	M14	7,500	13,300	2
<b>N!</b> FR-WS 11520 5/8-11 A	759417	759424	759431	759448	115 x 20	5/8-11	7,500	13,300	2
FR-WS 12520 M 14 A	752418	752425	752432	752449	125 x 20	M14	6,850	12,200	2
<b>N!</b> FR-WS 12520 5/8-11 A	847688	847701	847718	847725	125 x 20	5/8-11	6,850	12,200	2

**PFERDERGONOMICS®** recommends unmounted flap wheels to sustainably reduce vibration and noise levels during use and to improve working comfort.



## New in the PFERD product range 204

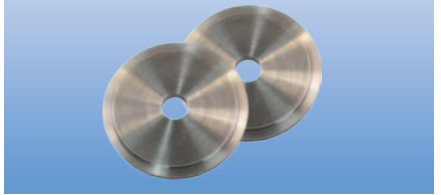
### POLINOX® unmounted grinding wheels




For mounting POLINOX® convolute wheels PNK with dia. 200 mm on stationary machines such as double grinders (bench grinders).

**Supplied content:**  
 ■ 1 pair

**Flanges for POLINOX® convolute wheels PNK**



Description	EAN 4007220	Suitable for centre hole dia. [mm]	Centre hole dia. [mm]	
<b>N!</b> RF PNK 200 Bo. 16,1	880623	76.2	16.1	1
<b>N!</b> RF PNK 200 Bo. 25,4	880630	76.2	25.4	1
<b>N!</b> RF PNK 200 Bo. 31,8	880647	76.2	31.8	1

## New in the PFERD product range 205

### Flexible diamond files



Flexible diamond files adapt themselves to the surface being worked. Convex and concave contours can be worked with little effort.

**Recommendations for use:**

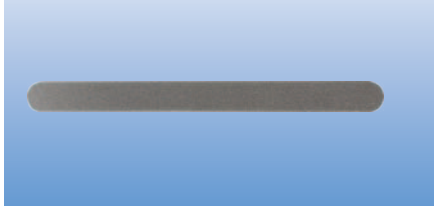
■ Only use files up to a bending radius of 15 mm


**Ordering example:**

EAN 4007220**004920**  
 DF-FLEX 14-165 D 76

Please complete the description with the desired grit size.

**Flexible diamond files**

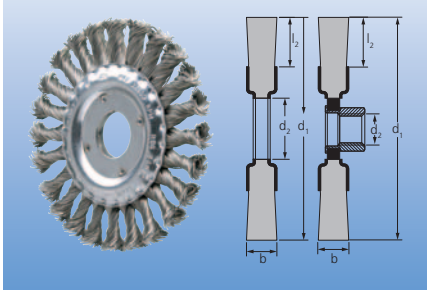


Description	Grit size			Overall length [mm]	Cross section with coating [mm]	Coating type	
	D 76	D 126	D 181				
	EAN 4007220						
<b>N!</b> DF-FLEX 14-165	004920	004951	004968	165	0.5 x 14	one side	5

# New in the PFERD product range 208

## Wheel brushes, knotted

### RBG = Wheel brushes, knotted



Aggressively working brush. For heavy-duty brushing in metalwork, such as descaling, rust removal, deburring, cleaning of weld seams and removal of adhesive residues.

#### Recommendations for use:

- Optimum results with high-performance angle grinders



#### Ordering example:

EAN 4007220**153512**

POS RBG 11512/22,2 ST 0,50

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



Description	Packaging		Brush dia. d <sub>1</sub> [mm]	Face width b [mm]	Trim length l <sub>1</sub> [mm]	Arbor hole dia./thread d <sub>2</sub> [mm]	Fila-ment dia. d <sub>6</sub> [mm]	No. of knots	Rec. speed [RPM]	Max. perm. speed [RPM]
										
	EAN 4007220									

### Steel wire (ST)

POS RBG 10012/M14 ST 0,50	658970	-	100	12	28	M14x2	0.50	22	10,000–15,000	20,000
POS RBG 11512/22,2 ST 0,50	153512	954966	115	12	22	22,2	0.50	24	6,300–12,500	12,500
POS RBG 11512/M14 ST 0,50	658987	-	115	12	22	M14x2	0.50	24	6,300–12,500	12,500
POS RBG 12512/22,2 ST 0,50	530597	952702	125	12	28	22,2	0.50	24	5,500–11,000	11,000
POS RBG 12512/M14 ST 0,50	658994	-	125	12	28	M14x2	0.50	24	5,500–11,000	11,000
POS RBG 15013/22,2 ST 0,60	597996	-	150	13	26	22,2	0.60	30	5,000–10,000	10,000
POS RBG 17813/22,2 ST 0,50	153413	954973	178	13	38	22,2	0.50	30	4,500–8,500	9,000
POS RBG 17813/M14 ST 0,50	659007	-	178	13	38	M14x2	0.50	30	4,500–8,500	9,000
POS RBG 17813/22,2 ST 0,80	578940	-	178	13	38	22,2	0.80	30	4,500–8,500	9,000

### Stainless steel wire (INOX)

All INOX brushes are degreased.

POS RBG 11512/22,2 INOX 0,35	220795	954980	115	12	22	22,2	0.35	24	5,000–12,500	12,500
<b>N!</b> POS RBG 11512/22,2 INOX 0,50	003732	003459	115	12	22	22,2	0.50	24	5,000–12,500	12,500
POS RBG 11512/M14 INOX 0,35	659014	-	115	12	22	M14x2	0.35	24	5,000–12,500	12,500
<b>N!</b> POS RBG 11512/M14 INOX 0,50	003749	-	115	12	22	M14x2	0.50	24	5,000–12,500	12,500
POS RBG 12512/22,2 INOX 0,35	530788	954997	125	12	28	22,2	0.35	24	4,400–11,000	11,000
<b>N!</b> POS RBG 12512/22,2 INOX 0,50	003510	003565	125	12	28	22,2	0.50	24	4,400–11,000	11,000
POS RBG 12512/M14 INOX 0,35	659021	-	125	12	28	M14x2	0.35	24	4,400–11,000	11,000
<b>N!</b> POS RBG 12512/M14 INOX 0,50	003527	-	125	12	28	M14x2	0.50	24	4,400–11,000	11,000
POS RBG 17813/22,2 INOX 0,35	220733	955000	178	13	38	22,2	0.35	30	3,600–8,500	9,000
<b>N!</b> POS RBG 17813/22,2 INOX 0,50	003619	003657	178	13	38	22,2	0.50	30	3,600–8,500	9,000
POS RBG 17813/M14 INOX 0,35	659038	-	178	13	38	M14x2	0.35	30	3,600–8,500	9,000
<b>N!</b> POS RBG 17813/M14 INOX 0,50	003626	-	178	13	38	M14x2	0.50	30	3,600–8,500	9,000

Brushes with other threads are available on request.



#### POS packaging

Individual promotional packaging for the PFERD TOOL-CENTER. For the entire range of brushes in POS packaging, please refer to the Tool Manual 22, Catalogue 208, pages 47–48.



#### IP packaging

Robust industrial packaging.



#### Arbor BO 8/22,2 5-10

(EAN 4007220**751930**)

For all knotted wheel brushes up to diameter 125 mm with arbor hole diameter 22.2 mm.

#### BO 12/22,2 10-30

(EAN 4007220**561317**)

For all knotted wheel brushes with diameter 150 mm and arbor hole diameter 22.2 mm.

#### Safety note:

Arbors must only be used for brush diameters up to a maximum of 150 mm.

#### For more information:

For detailed information and ordering data on matching adapter sets and arbors, please refer to the Tool Manual 22, Catalogue 208, pages 44–46.



Aggressively working brush. For heavy-duty brushing in metalwork such as descaling, rust removal, deburring, cleaning of weld seams and removal of adhesive residues.

#### Advantages:

- Smooth operation, even on corners and edges
- No recoiling of the brush when used on edges
- Enhanced tool life
- Increased stock removal rate
- Reduced likelihood of the knotting becoming "unravalled" in use

#### Recommendations for use:

- Optimum results with high-performance angle grinders

#### Ordering example:

EAN 4007220**593356**

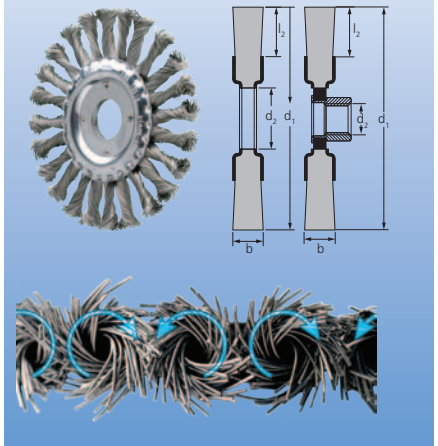
POS RBG 11512/22,2 CT ST 0,50

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

#### PFERDERGONOMICS®:





#### RBG CT = Wheel brushes, knotted, COMBITWIST® type



#### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)

Description	Packaging		Brush dia. d <sub>1</sub> [mm]	Face width b [mm]	Trim length l <sub>2</sub> [mm]	Arbor hole dia./thread d <sub>2</sub> [mm]	Fila-ment dia. d <sub>6</sub> [mm]	No. of knots	Rec. speed [RPM]	Max. perm. speed [RPM]
										
	EAN 4007220									

#### Steel wire (INOX) – COMBITWIST® type

POS RBG 11512/22,2 CT ST 0,50	593356	955017	115	12	22	22.2	0.50	24	6,300–12,500	12,500
POS RBG 11512/M14 CT ST 0,50	806814	-	115	12	22	M14x2	0.50	24	6,300–12,500	12,500
POS RBG 12512/22,2 CT ST 0,50	593363	955024	125	12	28	22.2	0.50	24	5,500–11,000	11,000
POS RBG 12512/M14 CT ST 0,50	806821	-	125	12	28	M14x2	0.50	24	5,500–11,000	11,000
POS RBG 17813/22,2 CT ST 0,50	593370	955031	178	13	38	22.2	0.50	30	4,500–8,500	9,000
POS RBG 17813/22,2 CT ST 0,80	593394	-	178	13	38	22.2	0.80	30	4,500–8,500	9,000

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

All INOX brushes are degreased.

POS RBG 11512/22,2 CT INOX 0,35	593400	955048	115	12	22	22.2	0.35	24	5,000–12,500	12,500
<b>N!</b> POS RBG 11512/22,2 CT INOX 0,50	003756	003480	115	12	22	22.2	0.50	24	5,000–12,500	12,500
POS RBG 11512/M14 CT INOX 0,35	806838	-	115	12	22	M14x2	0.35	24	5,000–12,500	12,500
<b>N!</b> POS RBG 11512/M14 CT INOX 0,50	003466	-	115	12	22	M14x2	0.50	24	5,000–12,500	12,500
POS RBG 12512/22,2 CT INOX 0,35	593417	955055	125	12	28	22.2	0.35	24	4,400–11,000	11,000
<b>N!</b> POS RBG 12512/22,2 CT INOX 0,50	003541	003602	125	12	28	22.2	0.50	24	4,400–11,000	11,000
POS RBG 12512/M14 CT INOX 0,35	806845	-	125	12	28	M14x2	0.35	24	4,400–11,000	11,000
<b>N!</b> POS RBG 12512/M14 CT INOX 0,50	003572	-	125	12	28	M14x2	0.50	24	4,400–11,000	11,000
POS RBG 17813/22,2 CT INOX 0,35	593424	955062	178	13	38	22.2	0.35	30	3,600–8,500	9,000
<b>N!</b> POS RBG 17813/22,2 CT INOX 0,50	003633	003664	178	13	38	22.2	0.50	30	3,600–8,500	9,000

Brushes with other threads are available on request.



#### POS packaging

Individual promotional packaging for the PFERD TOOL-CENTER. For the entire range of brushes in POS packaging, please refer to the Tool Manual 22, Catalogue 208, pages 47–48.

#### IP packaging

Robust industrial packaging.

#### Arbor BO 8/22,2 5-10

(EAN 4007220751930)



For all knotted wheel brushes up to diameter 125 mm with arbor hole diameter 22.2 mm.

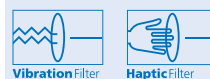
#### Safety note:

Arbors must only be used for brush diameters up to a maximum of 150 mm.

#### For more information:

For detailed information and ordering data on matching adapter sets and arbors, please refer to the Tool Manual 22, Catalogue 208, pages 44–46.

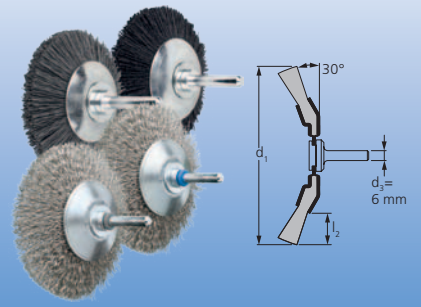
PFERDERGONOMICS® recommends industrial power brushes COMBITWIST® type to sustainably reduce vibration levels during use and to improve working comfort.



# New in the PFERD product range 208

## Shank mounted wheel brushes, crimped

### KBU = Bevel brushes, crimped




Excellent for medium-duty brushing such as deburring, cleaning and rust removal. Ideal for use in hard-to-reach areas such as inner edges, grooves and keyways due to bevelled shape of the brush.

#### Recommendations for use:

- Optimum results on speed-adjustable tool drives
- Suitable for use on straight grinders and flexible shaft drives

**Ordering example:**  
EAN 4007220**899397**  
KBU 9510/6 ST 0,30



Description	Packaging	Brush dia. $d_1$ [mm]	Face width $b$ [mm]	Trim length $l_2$ [mm]	Filament dia. $d_3$ [mm]	Rec. speed [RPM]	Max. perm. speed [RPM]
	 EAN 4007220						

#### Steel wire (ST)

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

#### Stainless steel wire (INOX)

All INOX brushes are degreased.

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

#### Plastic filament silicon carbide (SiC)

<b>N!</b> KBU 7010/6 SiC 120 0,55	004456	70	10	15	0.55	6,000–9,800	15,000
<b>N!</b> KBU 8010/6 SiC 120 0,55	004470	80	10	20	0.55	4,800–7,800	12,000
<b>N!</b> KBU 9510/6 SiC 120 1,10	004494	95	10	25	1.10	4,800–7,800	12,000

#### Plastic filament ceramic abrasive grain (CO)

<b>N!</b> KBU 7010/6 CO 120 0,55	004463	70	10	15	0.55	6,000–9,800	15,000
<b>N!</b> KBU 8010/6 CO 120 0,55	004487	80	10	20	0.55	4,800–7,800	12,000
<b>N!</b> KBU 9510/6 CO 120 1,10	004500	95	10	25	1.10	4,800–7,800	12,000



#### IP packaging

Robust industrial packaging.



#### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)





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

**Recommendations for use:**

- Recommended drive output minimum 300 watts

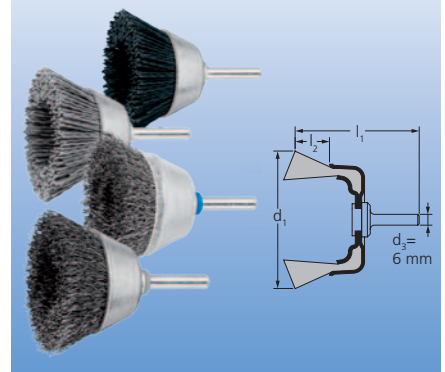
**Ordering example:**

EAN 4007220153345

TBU 5010/6 ST 0,30

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

TBU = Cup brushes, crimped



Description	Packaging		Brush dia. $d_1$ [mm]	Face width $b$ [mm]	Trim length $l_2$ [mm]	Filament dia. $d_6$ [mm]	Overall length $l_1$ [mm]	Rec. speed [RPM]	Max. perm. speed [RPM]

EAN 4007220

**Steel wire (ST)**

N!	TBU 3010/6 ST 0,20	-	004517	30	10	15	0.20	60	5,300–7,900	10,500
N!	TBU 4015/6 ST 0,20	-	004524	40	15	20	0.20	70	5,300–7,900	10,500
	TBU 5010/6 ST 0,30	532171	153345	50	10	20	0.30	75	5,300–7,900	10,500
	TBU 6015/6 ST 0,30	-	153352	60	15	20	0.30	85	4,000–6,000	8,000
N!	TBU 7015/6 ST 0,20	-	004531	70	15	22	0.20	80	3,000–4,500	6,000
N!	TBU 7015/6 ST 0,30	-	004555	70	15	22	0.30	80	3,000–4,500	6,000

**Stainless steel wire (INOX)**

Supplied with plastic-covered brush body.

N!	TBU 3010/6 INOX 0,20	-	004562	30	10	15	0.20	60	4,200–6,800	10,500
N!	TBU 4015/6 INOX 0,20	-	004579	40	15	20	0.20	70	4,200–6,800	10,500
	TBU 5010/6 INOX 0,30	894651	579107	50	10	20	0.30	75	4,200–6,800	10,500
	TBU 6015/6 INOX 0,30	-	579114	60	15	20	0.30	85	3,200–5,200	8,000
N!	TBU 7015/6 INOX 0,20	-	004586	70	15	22	0.20	80	2,400–4,000	6,000
N!	TBU 7015/6 INOX 0,30	-	004593	70	15	22	0.30	80	2,400–4,000	6,000

**Plastic filament silicon carbide (SiC)**

	TBU 5010/6 SiC 180 0,90	894668	220719	50	10	20	0.90	75	4,200–6,800	10,500
	TBU 6015/6 SiC 180 0,90	-	220726	60	15	20	0.90	85	3,200–5,200	8,000

**Plastic filament ceramic abrasive grain (CO)**

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



**POS packaging**

Individual promotional packaging for the PFERD TOOL-CENTER. For the entire range of brushes in POS packaging, please

refer to the Tool Manual 22, Catalogue 208, pages 47–48.



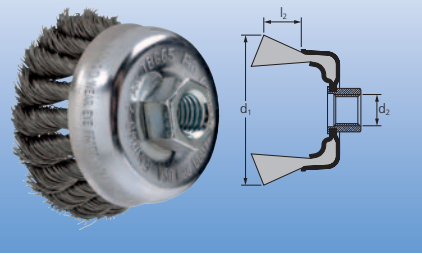
**IP packaging**

Robust industrial packaging.

# New in the PFERD product range 208

## Cup brushes, knotted

### TBG = Cup brushes, knotted



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

#### Recommendations for use:

- Optimum results with high-performance angle grinders

#### Ordering example:

EAN 4007220153437

POS TBG 65/M14 ST 0,35

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



Description	Packaging		Brush dia. d <sub>1</sub> [mm]	Trim length l <sub>1</sub> [mm]	Thread d <sub>2</sub>	Filament dia. d <sub>6</sub> [mm]	No. of knots	Rec. speed [RPM]	Max. perm. speed [RPM]
	1	5							
EAN 4007220									

#### Steel wire (ST)

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

#### Stainless steel wire (INOX)

All INOX brushes are degreased.

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

Brushes with other threads are available on request.



#### POS packaging

Individual promotional packaging for the PFERD TOOL-CENTER. For the entire range of brushes in POS packaging, please

refer to the Tool Manual 22, Catalogue 208, pages 47–48.



#### IP packaging

Robust industrial packaging.



#### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)



Aggressively working brush. Excellent for heavy-duty brushing on large surfaces. Also suitable for deburring, cleaning and rust removal.

### Advantages:

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

### Recommendations for use:

- Optimum results with high-performance angle grinders

### Ordering example:

EAN 4007220806692

POS TBG 65/M14 CT ST 0,35

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

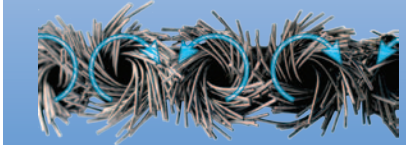
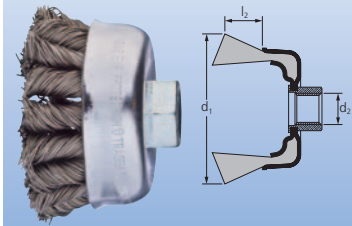
### PFERDERGONOMICS®:





### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)

### TBG CT = Cup brushes, knotted, COMBITWIST® type



Description	Packaging		Brush dia. $d_1$ [mm]	Trim length $l_2$ [mm]	Thread $d_2$	Filament dia. $d_0$ [mm]	No. of knots	Rec. speed [RPM]	Max. perm. speed [RPM]
									
	EAN 4007220								

### Steel wire (ST) – COMBITWIST® type

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

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

All INOX brushes are degreased.

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

Brushes with other threads are available on request.



### POS packaging

Individual promotional packaging for the PFERD TOOL-CENTER. For the entire range of brushes in POS packaging, please

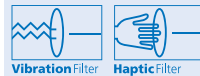
refer to the Tool Manual 22, Catalogue 208, pages 47–48.



### IP packaging

Robust industrial packaging.

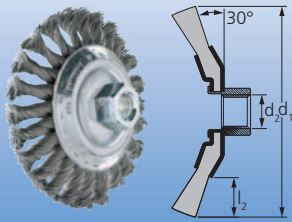
PFERDERGONOMICS® recommends industrial power brushes COMBITWIST® type to sustainably reduce vibration levels during use and to improve working comfort.



# New in the PFERD product range 208

## Bevel brushes, knotted

### KBG = Bevel brushes, knotted



Aggressively working brush. Excellent for heavy-duty brushing such as deburring, cleaning and rust removal. Ideal for use in hard-to-reach areas such as inner edges, grooves and keyways due to the bevelled shape of the brush.

#### Recommendations for use:

- Optimum results with high-performance angle grinders



#### Ordering example:

EAN 4007220**153529**

POS KBG 10013/M14 ST 0,50

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



Description	Packaging		Brush dia. $d_1$ [mm]	Face width $b$ [mm]	Trim length $l_2$ [mm]	Thread $d_2$	Fila-ment dia. $d_6$ [mm]	No. of knots	Rec. speed [RPM]	Max. perm. speed [RPM]
										
EAN 4007220										
<b>Steel wire (ST)</b>										
POS KBG 10013/M14 ST 0,50	153529	955239	100	13	22	M14x2	0.50	22	10,000–15,000	20,000
POS KBG 11515/M14 ST 0,50	220818	955246	115	15	26	M14x2	0.50	22	7,500–12,500	15,000
POS KBG 12515/M14 ST 0,50	531167	-	125	15	19	M14x2	0.50	28	7,500–12,000	15,000
<b>Stainless steel wire (INOX)</b>										
All INOX brushes are degreased.										
POS KBG 10013/M14 INOX 0,35	220801	955253	100	13	22	M14x2	0.35	22	8,600–15,000	20,000
<b>N!</b> POS KBG 10013/M14 INOX 0,50	003787	003763	100	13	22	M14x2	0.50	22	8,600–15,000	20,000
POS KBG 11515/M14 INOX 0,35	220825	955260	115	15	26	M14x2	0.35	22	6,000–12,500	15,000
<b>N!</b> POS KBG 11515/M14 INOX 0,50	003824	003800	115	15	26	M14x2	0.50	22	6,000–12,500	15,000
POS KBG 12515/M14 INOX 0,35	531174	-	125	15	19	M14x2	0.35	28	6,000–12,000	15,000
<b>N!</b> POS KBG 12515/M14 INOX 0,50	003848	-	125	15	19	M14x2	0.50	28	6,000–12,000	15,000

Brushes with other threads are available on request.



#### POS packaging

Individual promotional packaging for the PFERD TOOL-CENTER. For the entire range of brushes in POS packaging, please

refer to the Tool Manual 22, Catalogue 208, pages 47–48.



#### IP packaging

Robust industrial packaging.



Aggressively working brush. Excellent for heavy-duty brushing such as deburring, cleaning and rust removal. Ideal for use in hard-to-reach areas such as inner edges, grooves and keyways due to the bevelled shape of the brush.

### Advantages:

- Smooth operation, even on corners and edges
- No recoiling of the brush when used on edges
- Enhanced tool life
- Increased stock removal rate
- Reduced likelihood of the knotting becoming "unravell'd" in use

### Recommendations for use:

- Optimum results with high-performance angle grinders

### Ordering example:

EAN 4007220593431

POS KBG 10013/M14 CT ST 0,50

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

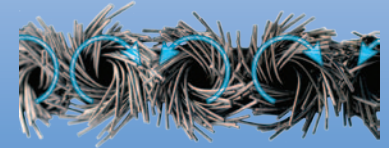
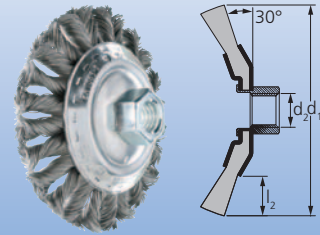
### PFERDERGONOMICS®:



### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)

### KBG CT = Bevel brushes, knotted, COMBITWIST® type



Description	Packaging		Brush dia. $d_1$ [mm]	Face width $b$ [mm]	Trim length $l_2$ [mm]	Thread $d_2$	Filament dia. $d_6$ [mm]	No. of knots	Rec. speed [RPM]	Max. perm. speed [RPM]
	1	5								
	EAN 4007220									

### Steel wire (ST) – COMBITWIST® type

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

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

All INOX brushes are degreased.

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

Brushes with other threads are available on request.



### POS packaging

Individual promotional packaging for the PFERD TOOL-CENTER. For the entire range of brushes in POS packaging, please

refer to the Tool Manual 22, Catalogue 208, pages 47–48.



### IP packaging

Robust industrial packaging.

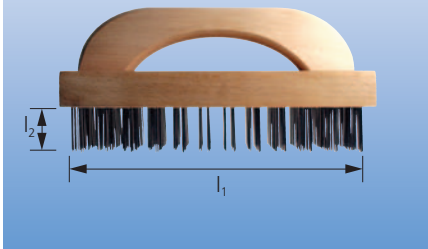
PFERDERGONOMICS® recommends industrial power brushes COMBITWIST® type to sustainably reduce vibration levels during use and to improve working comfort.




# New in the PFERD product range 208

## Scratch brushes

### HBB = Scratch brushes/block brushes with handle



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

Description	Filament material	No. of rows Z	Trim length $l_2$ [mm]	Overall length $l_1$ [mm]	
	Steel 0,45 EAN 4007220				
<b>N!</b> HBB 80	647295	5	35	200	12

## Adapters

### Adapter pairs AM 51



With adapter pairs AM 51, wheel brushes, wide face type, and composite wheel brushes with a diameter of 150 mm or more, can be used on all common tool drives. An adapter set consists of 2 individual adapters.


#### Recommendations for use:

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



#### Ordering example:

EAN 4007220**549803**  
AP AM 51/14,0

Description	EAN 4007220	Arbor hole dia. contained in the set [mm]	Suitable for	Page TM, Cat. 208	
AP AM 51/14,0	549803	14.0	RBU, wide face, $\geq$ dia. 150 mm RBUP with composite body, $\geq$ dia. 150 mm	12, 13 21	1
AP AM 51/16,0	548486	16.0	RBU, wide face, $\geq$ dia. 150 mm RBUP with composite body, $\geq$ dia. 150 mm	12, 13 21	1
AP AM 51/20,0	549834	20.0	RBU, wide face, $\geq$ dia. 150 mm RBUP with composite body, $\geq$ dia. 150 mm	12, 13 21	1
AP AM 51/22,2	806906	22.2	RBU, wide face, $\geq$ dia. 150 mm RBUP with composite body, $\geq$ dia. 150 mm	12, 13 21	1
AP AM 51/25,4	548509	25.4	RBU, wide face, $\geq$ dia. 150 mm RBUP with composite body, $\geq$ dia. 150 mm	12, 13 21	1
AP AM 51/30,0	806913	30.0	RBU, wide face, $\geq$ dia. 150 mm RBUP with composite body, $\geq$ dia. 150 mm	12, 13 21	1
AP AM 51/32,0	606605	32.0	RBU, wide face, $\geq$ dia. 150 mm RBUP with composite body, $\geq$ dia. 150 mm	12, 13 21	1
<b>N!</b> AP AM 51/35,0	004036	35.0	RBU, wide face, $\geq$ dia. 150 mm RBUP with composite body, $\geq$ dia. 150 mm	12, 13 21	1



**IP packaging**  
Robust industrial packaging.

### EDGE FINISH system for work on edges in transport case (TK)



### UWER 18/110 EF-R3/45° TK and UWER 18/110 EF-30° TK

For optimum storage of drive and tools, the product is supplied in a sturdy plastic case.

Included in the delivery:

- UWER 18/110 EF with 4 m power cable, three keys and anti-vibration handle
- Cutting insert holder with guide bearing
- Screw set for cutting inserts

See table below for ordering data.

### Installation accessories:

	<b>Description</b>	<b>EAN</b>
	SKS SW 5 mm	4007220
	<b>Description</b>	<b>EAN</b>
	STS D 4 mm	4007220
	<b>Description</b>	<b>EAN</b>
	SDR TX 15K	4007220
		007419

### Special features

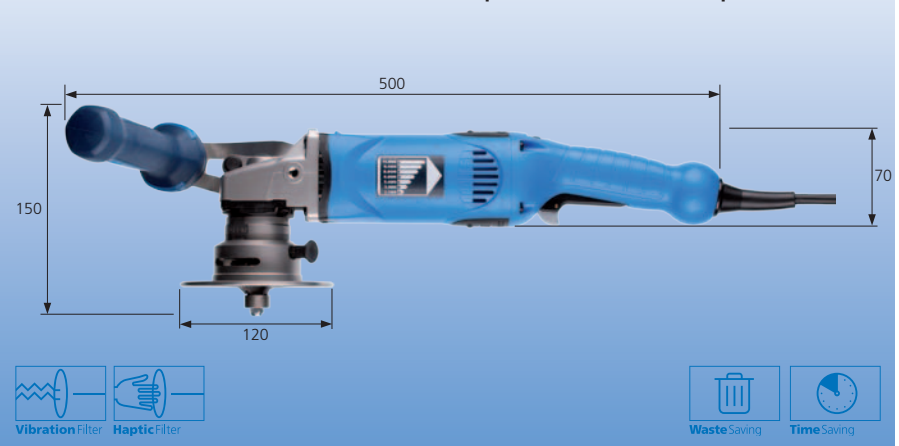
- Max. chamfer height 6 mm
- Stepless rotational speed adjustment
- Digital electronics for constant rotational speed
- Overload protection with anti-kickback function
- Restart protection in case of power failure
- Anti-vibration handle
- Smooth start-up for protection of people, tools and drive
- Lockable on-off switch
- Spindle lock pin

Recommended rotational speed range: 7,100–8,700 RPM

Included in the delivery: 4 m power cable, 3 keys, anti-vibration handle

### UWER 18/110 EF

Rotational speed: 11,000 RPM / Output: 1,750 watts



Description	EAN	Rotational speed [RPM]	Voltage [volts] 50–60 Hz	Power consumption [watts]	Power output [watts]	Spindle thread	Incl. cutting insert holder	Matching cutting insert holder	Net weight [kg]
<b>N!</b> EDGE FINISH UWER 18/110 EF-R3/45° TK 230V <sup>1)</sup>	004272	2,750–11,000	230	1,750	1,150	M14	EF-WSP-A R3/45°	EF-WSP-A R3/45°, EF-WSP-A 30°	7,360
<b>N!</b> EDGE FINISH UWER 18/110 EF-30° TK 230V <sup>1)</sup>	004364	2,750–11,000	230	1,750	1,150	M14	EF-WSP-A 30°	EF-WSP-A R3/45°, EF-WSP-A 30°	7,360
<b>N!</b> EDGE FINISH UWER 18/110 EF 230V <sup>2)</sup>	973172	2,750–11,000	230	1,750	1,150	M14	–	EF-WSP-A R3/45°, EF-WSP-A 30°	3,640

<sup>1)</sup> Cutting inserts are not included in the delivery. Please order separately (see page 5).

<sup>2)</sup> Cutting insert holder with guide bearing, cutting inserts and screw set are not included in the delivery. Please order separately (see page 5).

### Tungsten carbide burs with EDGE cut

For the defined work on edges of small components or in hard-to-reach areas, PFERD offers **tungsten carbide burs with EDGE cut**.

These are suitable for chamfering, deburring, edge breaking and rounding, and are mainly used in steel and aluminium construction.

In combination with the air-powered straight grinder PG 3/210 with matching guide sleeve EFH PG 3/210 and guide plate EFP PG 3/210, optimum guidability is achieved and thermal loads are reduced.

For more information, please refer to the Tool Manual 22, Catalogue 202 and 209.



### PFERDVIDEO


You will receive more information here or at [www.pferd.com](http://www.pferd.com)

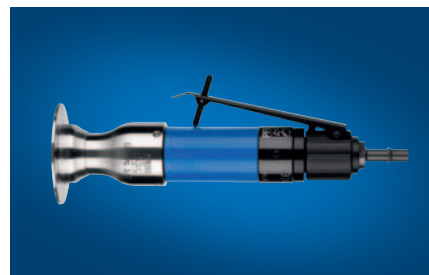
# New in the PFERD product range 209

## Accessories

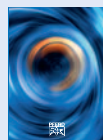


### Guide plate

Description	EAN	Suitable for
 EFP PG 3/210	4007220 967676	PG 3/210 DH <b>N!</b>




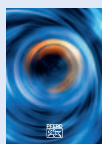
**PFERDVIDEO**  
You will receive more information here or at [www.pferd.com](http://www.pferd.com)



Further information on the air-powered straight grinder PG 3/210 DH can be found in the Tool Manual 22, Catalogue 209, page 25.

### Guards

Description	EAN	Tool cover dia. [mm]	Suitable for
 H 45-115 HT-SV	4007220 964316	115	UWER 18/120 SI <b>N!</b>
H 45-125 HT-SV	843277	125	UWER 18/110 SI <b>N!</b>



Further information on the electric angle grinder UWER 18/120 SI and UWER 18/110 SI can be found in the Tool Manual 22, Catalogue 209, pages 67 and 68.



Printed in Germany.

Subject to technical modifications.

02/2015

817 155

