

# Tungsten carbide burrs with STEEL cut

## High-capacity burrs for steel and cast steel



**INNOVATION**  
STEEL cut



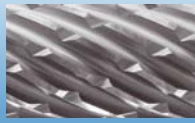
**VERTRAU BLAU**

- 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
- Comfortable working with reduced vibration and lower noise

# Tungsten carbide burrs with STEEL cut

for use on steel and cast steel

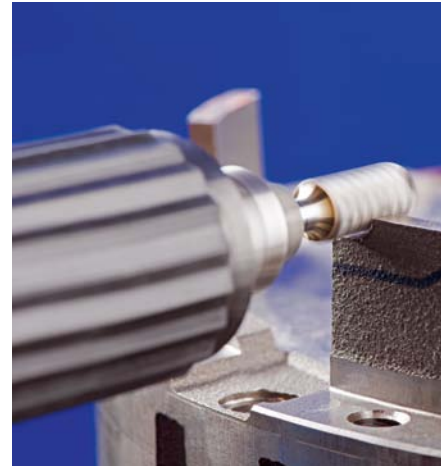
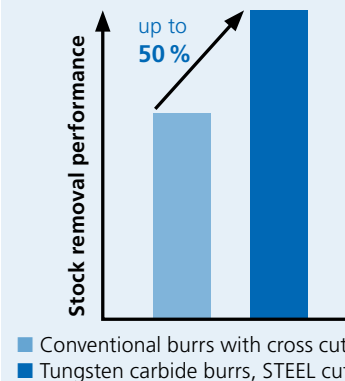
## Cut STEEL



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.

## Performance values for applications on steel and cast steel



## 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

**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 RPM range, please proceed as follows:

- 1 Refer to the table for the cutting speed
- 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,  
STEEL cut,  
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
16	9,000	15,000



## PFERDVIDEO

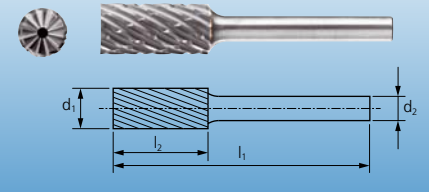
You will receive more information here or at [www.pferd.com](http://www.pferd.com)





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

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

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



Description	Cut	Shank dia. $d_2$ [mm]	Burr dia. x length $d_1$ x $l_2$ [mm]	Overall length $l_1$ [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
ZYA 1625/6	002360	6	16 x 25	65	1

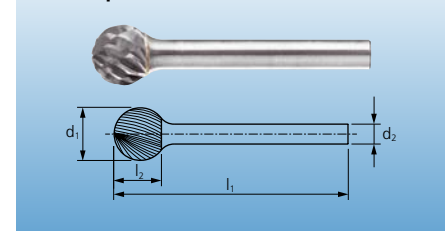
**Shank dia. 6 mm with end cut**



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
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

**Ball shape KUD**



Description	Cut	Shank dia. $d_2$ [mm]	Burr dia. x length $d_1$ x $l_2$ [mm]	Overall length $l_1$ [mm]	
	STEEL 				
	EAN 4007220				

**Shank dia. 6 mm**

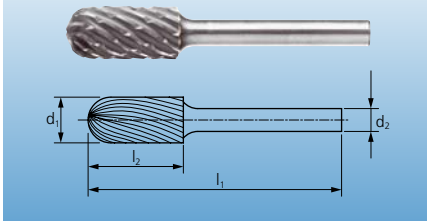
KUD 0605/6	936832	6	6 x 5	45	1
KUD 0807/6	936849	6	8 x 7	47	1
KUD 1009/6	936863	6	10 x 9	49	1
KUD 1210/6	936870	6	12 x 10	51	1
KUD 1614/6	003008	6	16 x 14	54	1





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

**Ordering example:**  
EAN 4007220937129  
WRC 0616/6 STEEL

Cylindrical shape with radius end WRC



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

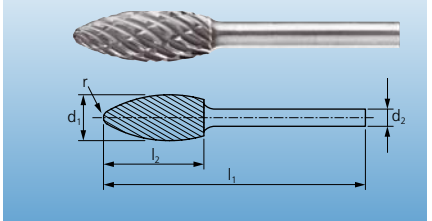
**Shank dia. 6 mm**



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
WRC 1625/6	003022	6	16 x 25	65	1

Flame-shaped burr according to ISO 7755/8.

**Ordering example:**  
EAN 4007220936719  
B 0820/6 STEEL

Flame shape B

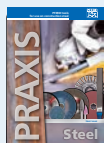


Description	Cut	Shank dia. d <sub>2</sub> [mm]	Burr dia. x length d <sub>1</sub> x l <sub>2</sub> [mm]	Overall length l <sub>1</sub> [mm]	Radius r [mm]	
	STEEL					
						
	EAN 4007220					

**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 1635/6	003039	6	16 x 35	75	2.6	1

## Steel processing competence



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

## High-capacity burrs from PFERD

Tungsten carbide burrs with STEEL cut belong to the PFERD product range „**Tungsten carbide burrs for high performance applications**". The specific tool design for work on various materials or specific applications ensures outstanding stock removal characteristics and a long tool life.

Test the **high-capacity burrs from PFERD** now also with **INOX, CAST, ALU** and **NON-FERROUS** cuts.

The whole product range of material and application-specific tungsten carbide burrs for high-performance applications can be found in our PFERD Tool Manual, Catalogue 202.

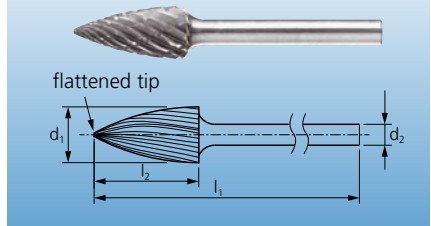




Pointed tree-shaped burr according to DIN 8032, flattened tip.

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

### 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]	
	STEEL				
					
EAN 4007220					

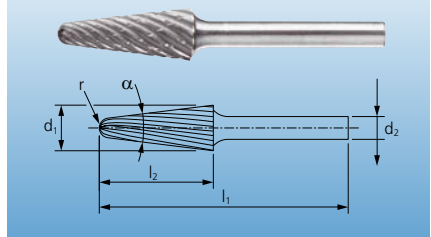
#### Shank dia. 6 mm



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
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

### Conical shape with radius end KEL



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]	Angle α	Radius r [mm]	
	STEEL						
							
EAN 4007220							

#### 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
KEL 1630/6	003053	6	16 x 30	70	14°	4.8	1

## PFERDVALUE® – Your added value with PFERD

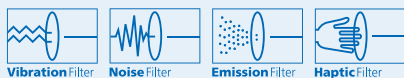
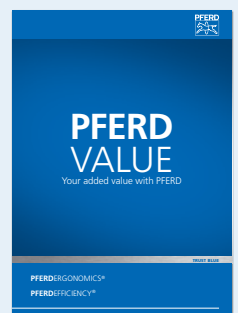
Results from the PFERD test laboratories as well as from the product tests by independent testing institutes prove: PFERD tools offer measurable added value.

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

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

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

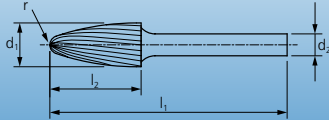
For more information on this topic, please refer to our brochure "PFERDVALUE – Your added value with PFERD".



# Tungsten carbide burrs with STEEL cut



for use on steel and cast steel

## Tree shape with radius end RBF



Conical burr with radius end according to DIN 8032.

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

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
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, STEEL cut  
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

1812 STEEL	004357	1
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Subject to technical modifications.

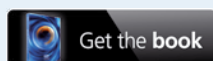
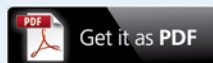
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