

**Tungsten carbide burrs with STEEL cut**  
Maximum stock removal on steel and cast steel



**YOU KNOW HOW.  
WE KNOW WOW!**



**TRUST BLUE**

- 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

With the innovative STEEL cut, PFERD has developed unique burrs for working with steel and cast steel. They are characterized by significantly increased aggressiveness and good guidance. Thus they ensure safe and precise work. The extremely high stock removal rate makes burrs with the STEEL cut impressive, with significant time savings and a high economic value. PFERD also offers tungsten carbide burrs with STEEL cut with a high-quality HICOAT coating.

## Applications:

- Milling out
- Levelling
- Deburring
- Cutting out holes
- Surface work
- Work on weld seams

## Materials that can be worked:

- Steel
- Cast steel

## Recommendations for use:

- If possible, use the tools on powerful drives with elastically mounted spindles to avoid vibration.
- For the cost-effective use of burrs, work with higher rotational/cutting speeds. Power recommendation for tool drives: from 300 watts.
- Please observe the rotational speed recommendations.

## Matching tool drives:

- Flexible shaft drive
- Straight grinder
- Robot
- Machine tools

## Safety notes:

- The very high stock removal rate can cause discolouration on the shank. This does not constitute a safety risk.



= Wear eye protection!



= Wear hearing protection!



Wearing protective gloves is recommended. Handle the tool drive with both hands.



Observe the recommended rotational speed, especially when using burrs with long shanks!

## PFERDVALUE:

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



Vibration Filter



Noise Filter



Haptic Filter

**PFERDEFFICIENCY** recommends burrs with STEEL cut for long fatigue-free and resource-saving work with perfect results in a very short period of time.



Energy Saving



Waste Saving

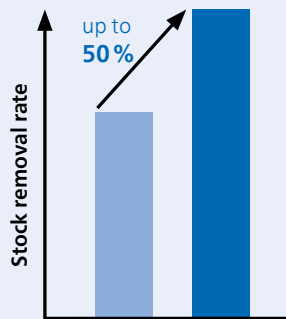


Time Saving



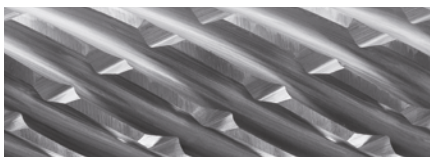
Resource Saving

## Performance values for applications on steel and cast steel



- Conventional burrs with cross cut
- Tungsten carbide burrs, STEEL cut

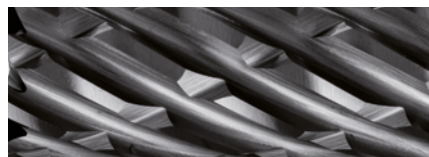
## STEEL cut



## Advantages:

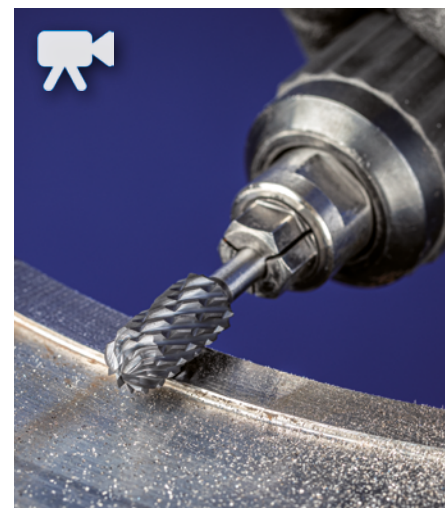
- Up to 50 % higher stock removal rate when used on steel and cast steel in comparison to conventional cross-cut burrs.
- Significantly increased aggressiveness, large chips and very good chip removal through the innovative tooth geometry.
- Workpiece is protected through much lower thermal load.

## STEEL cut with HICOAT coating HC-FEP



## Advantages:

- High hardness and wear resistance.
- Effective chip removal through improved anti-adhesion characteristics.
- Very high resistance against thermal load.
- Increased service life.
- Also suitable for use at higher cutting speeds when compared with uncoated burrs.





# Tungsten carbide burrs with STEEL cut for use on steel and cast steel

## Recommended rotational speed range [RPM]

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

❶ Refer to the table for the cutting speed.

- ❷ Select the required burr diameter.
- ❸ The cutting speed range and the burr diameter determine the recommended rotational speed range.

## Safety note:



Please observe the reduced rotational speeds for burrs with a long shank. They can be found on page 4.

| Material group       |  | Application  | Cut           | ❶ Cutting speed |
|----------------------|--|--|---------------|-----------------|
| Steel,<br>cast steel | Steels<br>up to 1,200 N/mm <sup>2</sup><br>(< 38 HRC)                          | Construction steels, carbon steels,<br>tool steels, non-alloyed steels,<br>case-hardened steels, cast steel,<br>alloyed steels | STEEL         | 450–750 m/min   |
|                      |  |  | HICOAT HC-FEP | 450–900 m/min   |
|                      | Hardened,<br>heat-treated steels<br>over 1,200 N/mm <sup>2</sup><br>(> 38 HRC) | Tool steels, tempering steels,<br>alloyed steels, cast steel   | STEEL         | 450–750 m/min   |
|                      |  |  | HICOAT HC-FEP | 450–900 m/min   |

### Example:

TC burr,  
STEEL cut,  
burr dia. 12 mm.  
Cutting speed: 450–750 m/min

**Rotational speed range:  
12,000–20,000 RPM**

| ❷<br>Burr dia.<br>[mm] | ❸ Cutting speeds [m/min] |        |        |
|------------------------|--------------------------|--------|--------|
|                        | 450                      | 750    | 900    |
|                        | Rotational speeds [RPM]  |        |        |
| 6                      | 24,000                   | 40,000 | 48,000 |
| 8                      | 18,000                   | 30,000 | 36,000 |
| 10                     | 14,000                   | 24,000 | 29,000 |
| 12                     | 12,000                   | 20,000 | 24,000 |
| 16                     | 9,000                    | 15,000 | 18,000 |



# Tungsten carbide burrs with STEEL cut

## for use on steel and cast steel

Tungsten carbide burrs with a long shank are ideal for cost-effectively machining small, hard-to-reach areas on components. Long-shank versions are available with the 3 PLUS, 5, STEEL and TOUGH cuts.

Tungsten carbide burrs with a long shank can be shortened if required. Tungsten carbide burrs with the designation **GL 75 mm** are made from solid tungsten carbide, which means they can only be shortened using diamond tools.

**GL = total length (solid tungsten carbide)**  
**SL = shank length (long steel shank)**

### Safety note – maximum rotational speed [RPM] for burrs with long shanks

**When working with long-shank burrs, it is crucial that the burr is in contact with the workpiece (or inserted in the bore or slot to be machined) before the drive system is turned on. As a rule, the tool must remain in contact with the workpiece for as long as the machine is running.** Failure to observe this procedure may result in shank failure (bending) and hence an increased risk of accidents. If continuous contact between the tool and the workpiece is not guaranteed, the **ⓐ maximum idling speeds stated in the table must not be exceeded.**

For safety reasons, the maximum application speeds **ⓑ with contact with the workpiece** require a reduction in the recommended speed of tungsten carbide burrs with standard shanks. The reduced speeds are stated in the table below.

**Example:**

TC burr, SL 150 mm,  
 3 PLUS cut,  
 burr dia. 12 mm.  
 Coarse stock removal on steels  
 up to 1,200 N/mm<sup>2</sup>.

**Maximum application speed with contact with the workpiece: 7,000 RPM**

**Safety notes:**

Not suitable for robotic or stationary applications. **Risk of bending.** Use only rigid clamping systems/drives.



= Observe the prescribed rotational speed!

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

- ⓐ Select the required burr diameter.
- ⓑ For the maximum application speed [RPM] with contact with the workpiece, please refer to the right-hand side of the table.

| ⓐ Burr dia. [mm] | ⓐ Maximum idling speed [RPM] without contact with the workpiece |       | ⓑ Maximum application speed [RPM] with contact with the workpiece |        |
|------------------|---|-------|---|--------|
|                  | Shank length [mm]   |       |   |        |
|                  | 75  | 150   | 75  | 150    |
| 3                | 10,000  | -     | 31,000  | -      |
| 6                | 6,000   | 8,000 | 15,000  | 15,000 |
| 8                | -   | 6,000 | -   | 11,000 |
| 10               | -   | 4,000 | -   | 9,000  |
| 12               | -   | 3,000 | -   | 7,000  |



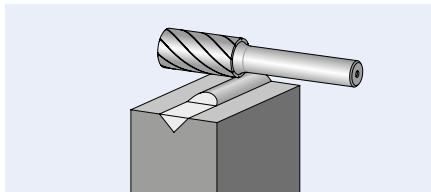


# Tungsten carbide burrs with STEEL cut

for use on steel and cast steel

## Cylindrical shape ZYA without end cut

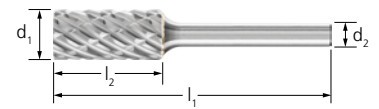
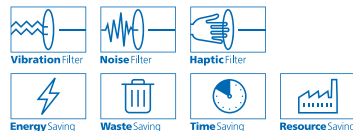
Cylindrical burr according to DIN 8032.






### Ordering notes:

- Please complete the description with the desired cut.

### PFERDVALUE:



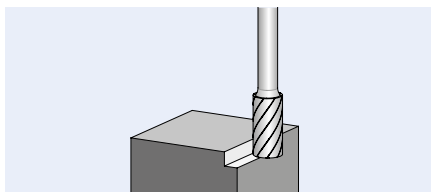
| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | Cut   |              | RPM |  | Description |
|------------------------|------------------------|------------------------|------------------------|---|--------------|-----|---|-------------|
|                        |                        |                        |                        | STEEL   | STEEL HC-FEP |     |   |             |
|                        |                        |                        |                        |   |              |     |   |             |
|                        |                        |                        |                        | EAN 4007220   |              |     |   |             |

### Shank dia. 6 mm

|    |    |   |    |        |        |               |   |                |
|----|----|---|----|--------|--------|---------------|---|----------------|
| 6  | 16 | 6 | 55 | 937198 | -      | 24,000–40,000 | 1 | ZYA 0616/6 ... |
| 8  | 20 | 6 | 60 | 937211 | -      | 18,000–30,000 | 1 | ZYA 0820/6 ... |
| 10 | 20 | 6 | 60 | 937235 | 221662 | 14,000–24,000 | 1 | ZYA 1020/6 ... |
| 12 | 25 | 6 | 65 | 937242 | 221655 | 12,000–20,000 | 1 | ZYA 1225/6 ... |
| 16 | 25 | 6 | 65 | 002360 | -      | 9,000–15,000  | 1 | ZYA 1625/6 ... |

## Cylindrical shape ZYAS with end cut

Cylindrical burr according to DIN 8032. Shape ZYAS with circumferential and end cut.  
SL = shank length (long steel shank)

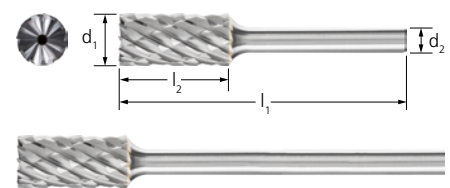
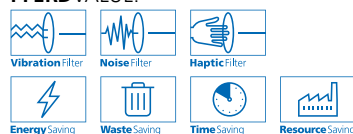


### Safety notes:






The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.

### PFERDVALUE:



### Ordering notes:

- Please complete the description with the desired cut.

| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | Cut   |              | RPM |  | Description |
|------------------------|------------------------|------------------------|------------------------|---|--------------|-----|---|-------------|
|                        |                        |                        |                        | STEEL   | STEEL HC-FEP |     |   |             |
|                        |                        |                        |                        |   |              |     |   |             |
|                        |                        |                        |                        | EAN 4007220   |              |     |   |             |

### Shank dia. 6 mm

|    |    |   |    |        |        |               |   |                 |
|----|----|---|----|--------|--------|---------------|---|-----------------|
| 6  | 16 | 6 | 55 | 937259 | -      | 24,000–40,000 | 1 | ZYAS 0616/6 ... |
| 8  | 20 | 6 | 60 | 937266 | -      | 18,000–30,000 | 1 | ZYAS 0820/6 ... |
| 10 | 20 | 6 | 60 | 937310 | 221600 | 14,000–24,000 | 1 | ZYAS 1020/6 ... |
| 12 | 25 | 6 | 65 | 937341 | 221686 | 12,000–20,000 | 1 | ZYAS 1225/6 ... |
| 16 | 25 | 6 | 65 | 002889 | -      | 9,000–15,000  | 1 | ZYAS 1625/6 ... |

### Long shank dia. of 6 mm, SL 150 mm

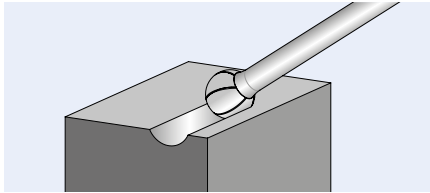
|    |    |   |     |        |   |        |   |                        |
|----|----|---|-----|--------|---|--------|---|------------------------|
| 8  | 20 | 6 | 170 | 091173 | - | 11,000 | 1 | ZYAS 0820/6 ... SL 150 |
| 10 | 20 | 6 | 170 | 091289 | - | 9,000  | 1 | ZYAS 1020/6 ... SL 150 |
| 12 | 25 | 6 | 175 | 091982 | - | 7,000  | 1 | ZYAS 1225/6 ... SL 150 |

# Tungsten carbide burrs with STEEL cut

for use on steel and cast steel

## Ball shape KUD

Ball-shaped burr according to DIN 8032.  
SL = shank length (long steel shank)



### Ordering notes:

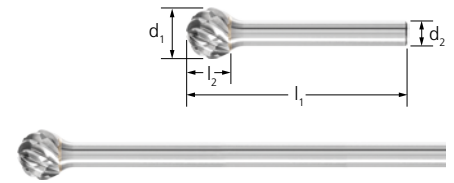
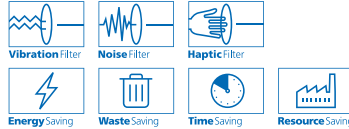
- Please complete the description with the desired cut.




### Safety notes:



The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.

### PFERDVALUE:



| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | Cut   |   | RPM |  | Description |
|------------------------|------------------------|------------------------|------------------------|---|---|-----|---|-------------|
|                        |                        |                        |                        | STEEL   | STEEL HC-FEP  |     |   |             |
|                        |                        |                        |                        |  |  |     |   |             |
|                        |                        |                        |                        | <b>EAN 4007220</b>  |   |     |   |             |

### Shank dia. 6 mm

|    |    |   |    |        |        |               |   |                |
|----|----|---|----|--------|--------|---------------|---|----------------|
| 6  | 5  | 6 | 45 | 936832 | -      | 24,000–40,000 | 1 | KUD 0605/6 ... |
| 8  | 7  | 6 | 47 | 936849 | -      | 18,000–30,000 | 1 | KUD 0807/6 ... |
| 10 | 9  | 6 | 49 | 936863 | 221679 | 14,000–24,000 | 1 | KUD 1009/6 ... |
| 12 | 10 | 6 | 51 | 936870 | 221693 | 12,000–20,000 | 1 | KUD 1210/6 ... |
| 16 | 14 | 6 | 54 | 003008 | -      | 9,000–15,000  | 1 | KUD 1614/6 ... |

### Long shank dia. of 6 mm, SL 150 mm

|    |    |   |     |        |   |       |   |                       |
|----|----|---|-----|--------|---|-------|---|-----------------------|
| 10 | 9  | 6 | 159 | 092002 | - | 9,000 | 1 | KUD 1009/6 ... SL 150 |
| 12 | 10 | 6 | 160 | 087206 | - | 7,000 | 1 | KUD 1210/6 ... SL 150 |



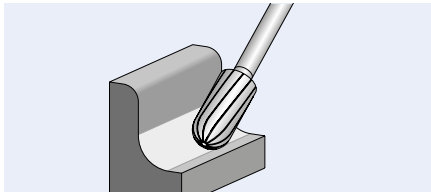
# Tungsten carbide burrs with STEEL cut

for use on 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.

SL = shank length (long steel shank)



### Ordering notes:

- Please complete the description with the desired cut.

### Safety notes:



The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.

### PFERDVALUE:



Vibration Filter



Noise Filter



Haptic Filter



Energy Saving



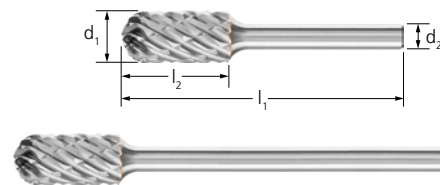
Waste Saving






Time Saving



Resource Saving



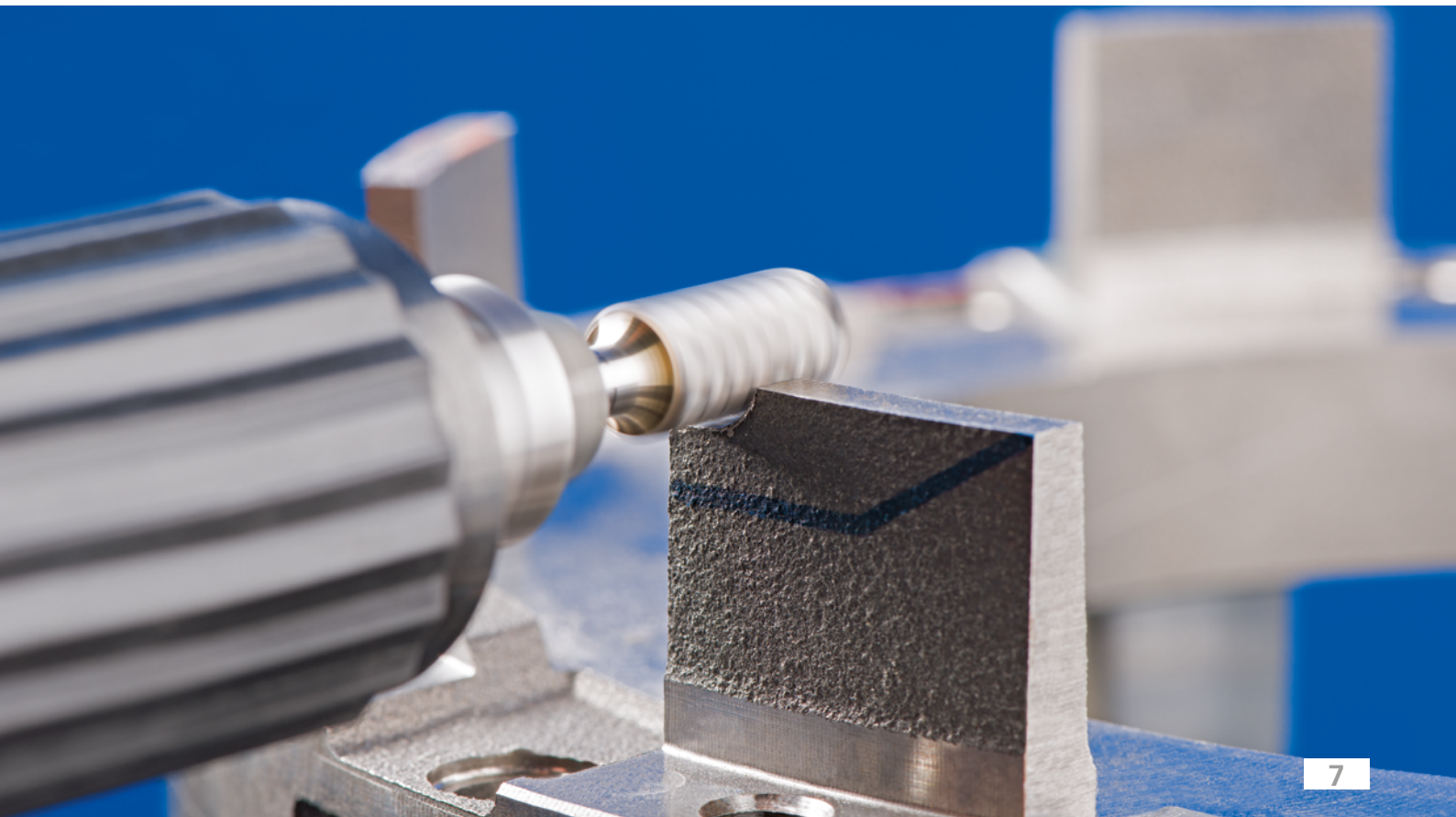
| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | Cut   |   | RPM |  | Description |
|------------------------|------------------------|------------------------|------------------------|---|---|-----|---|-------------|
|                        |                        |                        |                        | STEEL   | STEEL<br>HC-FEP   |     |   |             |
|                        |                        |                        |                        |  |  |     |   |             |
|                        |                        |                        |                        | EAN 4007220   |   |     |   |             |

### Shank dia. 6 mm

|    |    |   |    |        |        |               |   |                |
|----|----|---|----|--------|--------|---------------|---|----------------|
| 6  | 16 | 6 | 55 | 937129 | -      | 24,000–40,000 | 1 | WRC 0616/6 ... |
| 8  | 20 | 6 | 60 | 937150 | -      | 18,000–30,000 | 1 | WRC 0820/6 ... |
| 10 | 20 | 6 | 60 | 937174 | 222713 | 14,000–24,000 | 1 | WRC 1020/6 ... |
| 12 | 25 | 6 | 65 | 936696 | 221570 | 12,000–20,000 | 1 | WRC 1225/6 ... |
| 16 | 25 | 6 | 65 | 003022 | -      | 9,000–15,000  | 1 | WRC 1625/6 ... |

### Long shank dia. of 6 mm, SL 150 mm

|    |    |   |     |        |   |        |   |                       |
|----|----|---|-----|--------|---|--------|---|-----------------------|
| 8  | 20 | 6 | 170 | 092309 | - | 11,000 | 1 | WRC 0820/6 ... SL 150 |
| 10 | 20 | 6 | 170 | 092422 | - | 9,000  | 1 | WRC 1020/6 ... SL 150 |
| 12 | 25 | 6 | 175 | 092439 | - | 7,000  | 1 | WRC 1225/6 ... SL 150 |

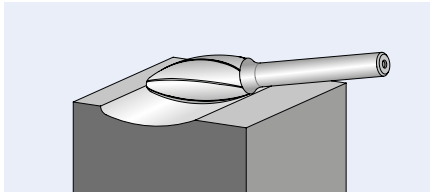


# Tungsten carbide burrs with STEEL cut

for use on steel and cast steel

## Flame shape B

Flame-shaped burr according to ISO 7755/8.  
SL = shank length (long steel shank)



### Ordering notes:

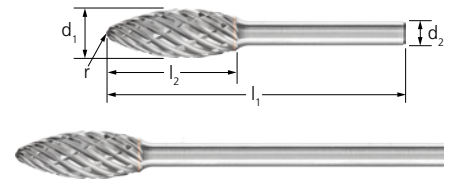
- Please complete the description with the desired cut.

### Safety notes:



The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.

### PFERDVALUE:



| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | r<br>[mm] | Cut   |              | RPM |  | Description |
|------------------------|------------------------|------------------------|------------------------|-----------|-------|--------------|-----|--|-------------|
|                        |                        |                        |                        |           | STEEL | STEEL HC-FEP |     |  |             |
|                        |                        |                        |                        |           |       |              |     |  |             |
| <b>EAN 4007220</b>     |                        |                        |                        |           |       |              |     |  |             |

### Shank dia. 6 mm

|    |    |   |    |     |        |        |               |   |              |
|----|----|---|----|-----|--------|--------|---------------|---|--------------|
| 8  | 20 | 6 | 60 | 1.5 | 936719 | -      | 18,000–30,000 | 1 | B 0820/6 ... |
| 10 | 25 | 6 | 65 | 1.7 | 092590 | 221617 | 14,000–24,000 | 1 | B 1025/6 ... |
| 12 | 30 | 6 | 70 | 2.1 | 936764 | 221624 | 12,000–20,000 | 1 | B 1230/6 ... |
| 16 | 35 | 6 | 75 | 2.6 | 003039 | -      | 9,000–15,000  | 1 | B 1635/6 ... |

### Long shank dia. of 6 mm, SL 150 mm

|    |    |   |     |     |        |   |       |   |                     |
|----|----|---|-----|-----|--------|---|-------|---|---------------------|
| 10 | 25 | 6 | 175 | 1.7 | 092446 | - | 9,000 | 1 | B 1025/6 ... SL 150 |
| 12 | 30 | 6 | 180 | 2.1 | 092453 | - | 7,000 | 1 | B 1230/6 ... SL 150 |



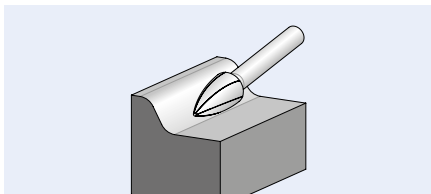


# Tungsten carbide burrs with STEEL cut

for use on steel and cast steel

## Pointed tree shape SPG

Pointed tree-shaped burr according to DIN 8032, flattened tip.  
SL = shank length (long steel shank)



### Ordering notes:

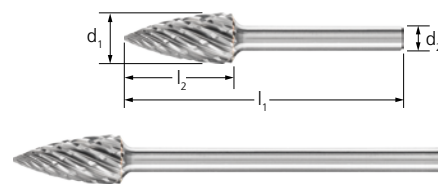
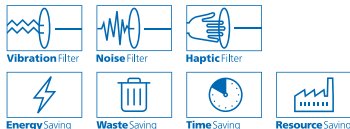
- Please complete the description with the desired cut.




### Safety notes:



The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.

### PFERDVALUE:



| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | Cut   |              | RPM |  | Description |
|------------------------|------------------------|------------------------|------------------------|---|--------------|-----|---|-------------|
|                        |                        |                        |                        | STEEL   | STEEL HC-FEP |     |   |             |
|                        |                        |                        |                        |   |              |     |   |             |
|                        |                        |                        |                        | EAN 4007220   |              |     |   |             |

### Shank dia. 6 mm

|    |    |   |    |        |        |               |   |                |
|----|----|---|----|--------|--------|---------------|---|----------------|
| 6  | 18 | 6 | 55 | 936979 | -      | 24,000–40,000 | 1 | SPG 0618/6 ... |
| 8  | 20 | 6 | 60 | 936993 | -      | 18,000–30,000 | 1 | SPG 0820/6 ... |
| 10 | 20 | 6 | 60 | 937013 | 221716 | 14,000–24,000 | 1 | SPG 1020/6 ... |
| 12 | 25 | 6 | 65 | 937082 | 221648 | 12,000–20,000 | 1 | SPG 1225/6 ... |
| 16 | 30 | 6 | 70 | 003046 | -      | 9,000–15,000  | 1 | SPG 1630/6 ... |

### Long shank dia. of 6 mm, SL 150 mm

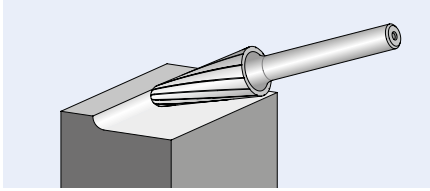
|    |    |   |     |        |   |        |   |                       |
|----|----|---|-----|--------|---|--------|---|-----------------------|
| 8  | 20 | 6 | 170 | 092460 | - | 11,000 | 1 | SPG 0820/6 ... SL 150 |
| 10 | 20 | 6 | 170 | 092477 | - | 9,000  | 1 | SPG 1020/6 ... SL 150 |
| 12 | 25 | 6 | 175 | 092484 | - | 7,000  | 1 | SPG 1225/6 ... SL 150 |



# Tungsten carbide burrs with STEEL cut for use on steel and cast steel

## Conical shape with radius end KEL

Conical burr with radius end according to DIN 8032.  
SL = shank length (long steel shank)



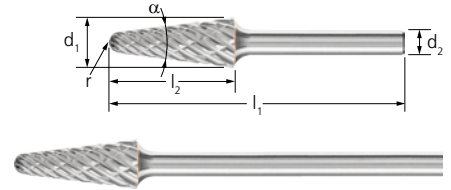
### Ordering notes:

- Please complete the description with the desired cut.

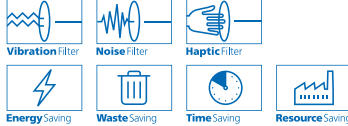
### Safety notes:



The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.



### PFERDVALUE:



| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | α | r<br>[mm] | Cut                |                 | RPM |  | Description |
|------------------------|------------------------|------------------------|------------------------|---|-----------|--------------------|-----------------|-----|--|-------------|
|                        |                        |                        |                        |   |           | STEEL              | STEEL<br>HC-FEP |     |  |             |
|                        |                        |                        |                        |   |           |                    |                 |     |  |             |
|                        |                        |                        |                        |   |           | <b>EAN 4007220</b> |                 |     |  |             |

### Shank dia. 6 mm

|    |    |   |    |     |     |        |        |               |   |                |
|----|----|---|----|-----|-----|--------|--------|---------------|---|----------------|
| 10 | 20 | 6 | 60 | 14° | 2.9 | 936771 | 221587 | 14,000–24,000 | 1 | KEL 1020/6 ... |
| 12 | 30 | 6 | 70 | 14° | 2.6 | 936818 | 222904 | 12,000–20,000 | 1 | KEL 1230/6 ... |
| 16 | 30 | 6 | 70 | 14° | 4.8 | 003053 | -      | 9,000–15,000  | 1 | KEL 1630/6 ... |

### Long shank dia. of 6 mm, SL 150 mm

|    |    |   |     |     |     |        |   |       |   |                       |
|----|----|---|-----|-----|-----|--------|---|-------|---|-----------------------|
| 10 | 20 | 6 | 170 | 14° | 2.9 | 092576 | - | 9,000 | 1 | KEL 1020/6 ... SL 150 |
| 12 | 30 | 6 | 180 | 14° | 2.6 | 092583 | - | 7,000 | 1 | KEL 1230/6 ... SL 150 |



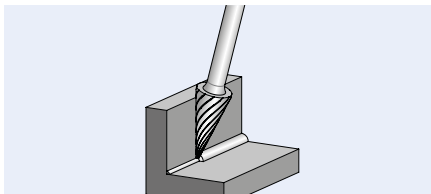


# Tungsten carbide burrs with STEEL cut

for use on steel and cast steel

## Conical pointed shape SKM

Conical pointed burr according to DIN 8032, flattened tip.  
SL = shank length (long steel shank)



### Ordering notes:

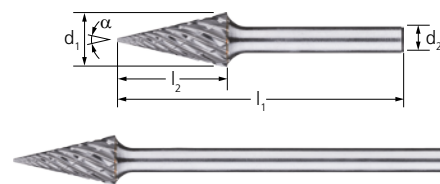
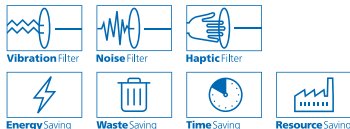
- Please complete the description with the desired cut.

### Safety notes:



The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.

### PFERDVALUE:



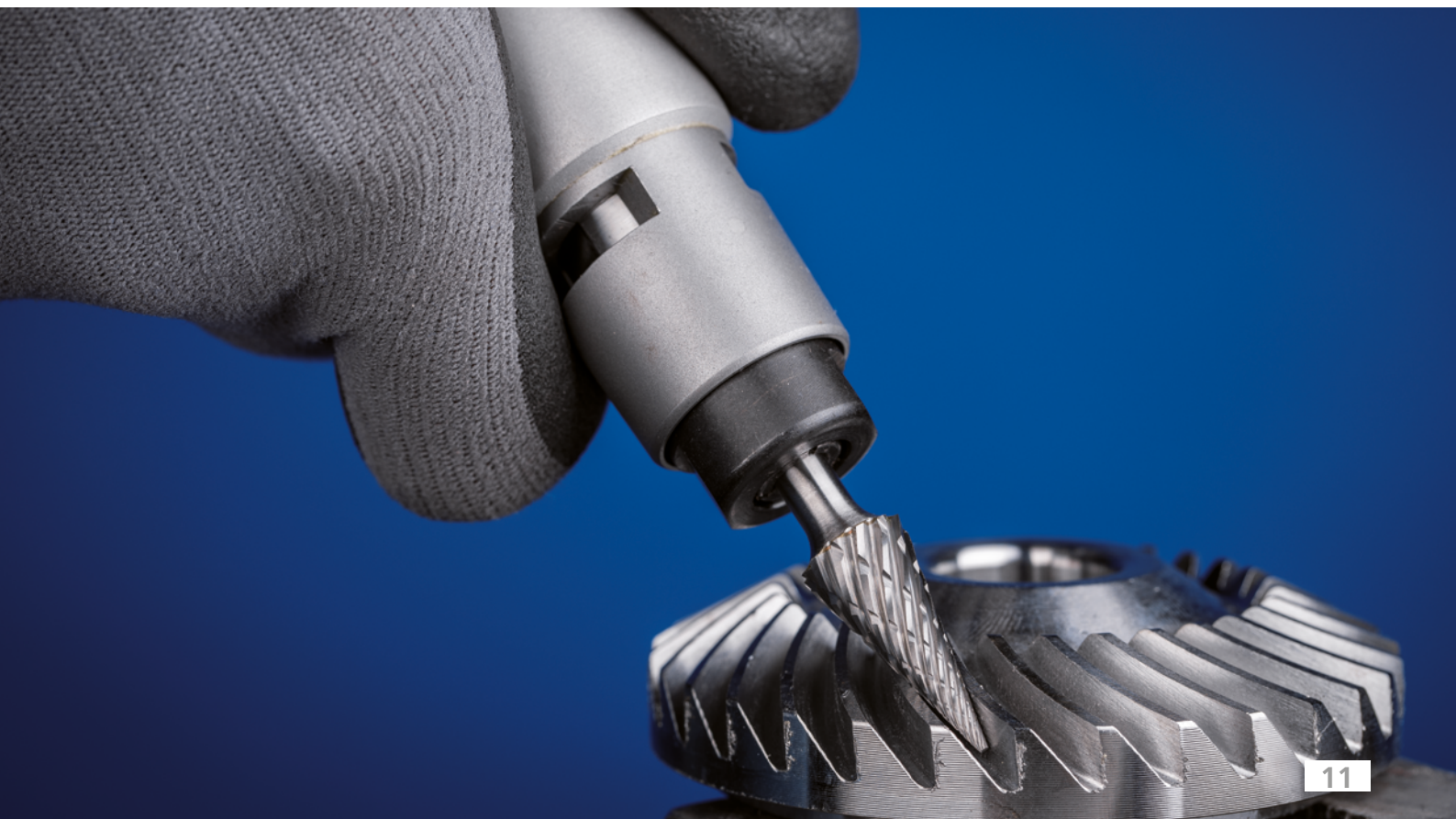
| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | α | Cut                |              | RPM |  | Description |  |
|------------------------|------------------------|------------------------|------------------------|---|--------------------|--------------|-----|---|-------------|--|
|                        |                        |                        |                        |   | STEEL              | STEEL HC-FEP |     |   |             |  |
|                        |                        |                        |                        |   | <b>EAN 4007220</b> |              |     |   |             |  |

### Shank dia. 6 mm

|    |    |   |    |     |        |        |               |   |                |
|----|----|---|----|-----|--------|--------|---------------|---|----------------|
| 6  | 18 | 6 | 55 | 18° | 092736 | -      | 24,000–40,000 | 1 | SKM 0618/6 ... |
| 8  | 20 | 6 | 60 | 22° | 092774 | -      | 18,000–30,000 | 1 | SKM 0820/6 ... |
| 10 | 20 | 6 | 60 | 28° | 092781 | 221747 | 14,000–24,000 | 1 | SKM 1020/6 ... |
| 12 | 25 | 6 | 65 | 26° | 092859 | 221754 | 12,000–20,000 | 1 | SKM 1225/6 ... |

### Long shank dia. of 6 mm, SL 150 mm

|    |    |   |     |     |        |   |       |   |                       |
|----|----|---|-----|-----|--------|---|-------|---|-----------------------|
| 10 | 20 | 6 | 170 | 28° | 092545 | - | 9,000 | 1 | SKM 1020/6 ... SL 150 |
| 12 | 25 | 6 | 175 | 26° | 092569 | - | 7,000 | 1 | SKM 1225/6 ... SL 150 |



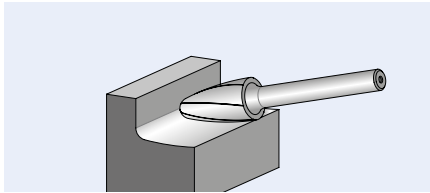


# Tungsten carbide burrs with STEEL cut

for use on steel and cast steel

## Tree shape with radius end RBF

Tree-shaped burr with radius end according to DIN 8032.  
SL = shank length (long steel shank)



### Ordering notes:

- Please complete the description with the desired cut.

### Safety notes:



The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.

### PFERDVALUE:



Vibration Filter



Noise Filter



Haptic Filter



Energy Saving



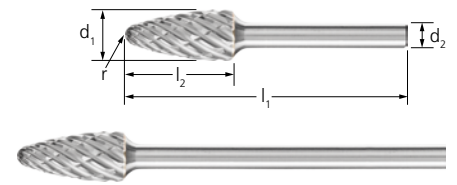
Waste Saving



Time Saving



Resource Saving



| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | r<br>[mm] | Cut   |              | RPM |  | Description |
|------------------------|------------------------|------------------------|------------------------|-----------|---|--------------|-----|---|-------------|
|                        |                        |                        |                        |           | STEEL   | STEEL HC-FEP |     |   |             |
|                        |                        |                        |                        |           |   |              |     |   |             |
|                        |                        |                        |                        |           | EAN 4007220   |              |     |   |             |

### Shank dia. 6 mm

|    |    |   |    |     |        |        |               |   |                |
|----|----|---|----|-----|--------|--------|---------------|---|----------------|
| 6  | 18 | 6 | 55 | 1.5 | 936887 | -      | 24,000–40,000 | 1 | RBF 0618/6 ... |
| 8  | 20 | 6 | 60 | 1.2 | 936900 | -      | 18,000–30,000 | 1 | RBF 0820/6 ... |
| 10 | 20 | 6 | 60 | 2.5 | 936924 | 221631 | 14,000–24,000 | 1 | RBF 1020/6 ... |
| 12 | 25 | 6 | 65 | 2.5 | 936931 | 221563 | 12,000–20,000 | 1 | RBF 1225/6 ... |
| 16 | 30 | 6 | 70 | 3.6 | 003060 | -      | 9,000–15,000  | 1 | RBF 1630/6 ... |

### Long shank dia. of 6 mm, SL 150 mm

|    |    |   |     |     |        |   |        |   |                       |
|----|----|---|-----|-----|--------|---|--------|---|-----------------------|
| 8  | 20 | 6 | 170 | 1.2 | 092491 | - | 11,000 | 1 | RBF 0820/6 ... SL 150 |
| 10 | 20 | 6 | 170 | 2.5 | 092507 | - | 9,000  | 1 | RBF 1020/6 ... SL 150 |
| 12 | 25 | 6 | 175 | 2.5 | 092514 | - | 7,000  | 1 | RBF 1225/6 ... SL 150 |

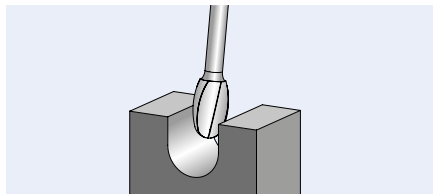


# Tungsten carbide burrs with STEEL cut

for use on steel and cast steel

## Oval shape TRE

Oval burr according to ISO 7755/8.  
SL = shank length (long steel shank)



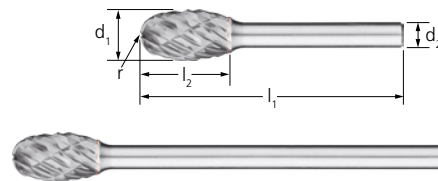
### Ordering notes:

- Please complete the description with the desired cut.

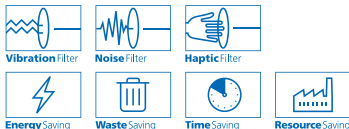
### Safety notes:



The rotational speeds for long-shank burrs relate to applications where the tool is in contact with the workpiece. More safety notes can be found on page 4.



### PFERDVALUE:



| d <sub>1</sub><br>[mm]                    | l <sub>2</sub><br>[mm] | d <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | r<br>[mm] | Cut    |              | RPM           |   | Description           |
|---|------------------------|------------------------|------------------------|-----------|--------|--------------|---------------|---|-----------------------|
|   |                        |                        |                        |           | STEEL  | STEEL HC-FEP |               |   |                       |
| <b>Shank dia. 6 mm</b>                    |                        |                        |                        |           |        |              |               |   |                       |
| 8   | 13                     | 6                      | 53                     | 3.7       | 092637 | -            | 18,000–30,000 | 1 | TRE 0813/6 ...        |
| 10  | 16                     | 6                      | 56                     | 4.0       | 092644 | 221808       | 14,000–24,000 | 1 | TRE 1016/6 ...        |
| 12  | 20                     | 6                      | 60                     | 5.0       | 092682 | 221778       | 12,000–20,000 | 1 | TRE 1220/6 ...        |
| 16  | 25                     | 6                      | 65                     | 6.5       | 092729 | -            | 9,000–15,000  | 1 | TRE 1625/6 ...        |
| <b>Long shank dia. of 6 mm, SL 150 mm</b> |                        |                        |                        |           |        |              |               |   |                       |
| 10  | 16                     | 6                      | 160                    | 4.0       | 092521 | -            | 9,000         | 1 | TRE 1016/6 ... SL 150 |
| 12  | 20                     | 6                      | 170                    | 5.0       | 092538 | -            | 7,000         | 1 | TRE 1220/6 ... SL 150 |

## Set 1812 STEEL

Set 1812 STEEL contains five tungsten carbide burrs for processing 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 slots are available for other burrs.

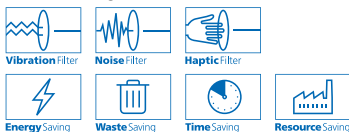
### Contents:

5 tungsten carbide burrs,  
shank diameter of 6 mm,  
STEEL cut

1 piece each:

- ZYA 1225/6 STEEL
- KUD 1210/6 STEEL
- WRC 1225/6 STEEL
- SPG 1225/6 STEEL
- RBF 1225/6 STEEL

### PFERDVALUE:



| Cut                    |   | Description |
|------------------------|---|-------------|
| STEEL                  |   |             |
|                        |   |             |
| EAN 4007220            |   |             |
| <b>Shank dia. 6 mm</b> |   |             |
| 004357                 | 1 | 1812 STEEL  |

Subject to technical modifications.