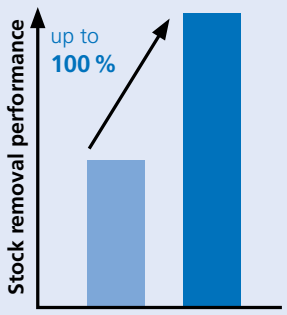
Cut INOX

PFERD has developed innovative burrs with INOX cut for work on stainless steel (INOX). The INOX cut is characterized by an extremely high stock removal performance on all austenitic as well as rust- and acid-resistant steels. It creates significantly less vibration than a comparable cross cut.

Advantages:

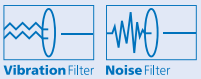
- Outstanding stock removal performance and tool life due to the innovative tooth geometry
- Achieves high surface qualities through optimum chip formation
- Prevents heat discolouration in the material due to the reduced heat generation

Performance values for applications on stainless steel (INOX)



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

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



Recommended rotational speed range

To determine the recommended rotational speed range, 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

Material group			Application	Cut	❶ Cutting speed
Stainless steel (INOX)	Rust- and acid-resistant steels	Austenitic and ferritic stainless steels	Coarse stock removal	INOX	450–600 m/min

Example:
TC burr,
Cut INOX,
Burr dia. 12 mm.
Cutting speed: 450–600 m/min
Rotational speed: 12,000–6,000 RPM

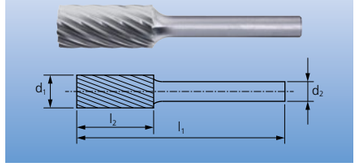
❷ Burr dia. [mm]	❸ Cutting speed [m/min]	
	450	600
	Rotational speed [RPM]	
3	48,000	64,000
6	24,000	32,000
8	18,000	24,000
10	14,000	19,000
12	12,000	16,000

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

PFERDVIDEO

You will receive more information here or at www.pferd.com

Cylindrical shape ZYA



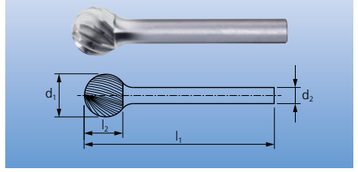
Cylindrical burr according to DIN 8032.

Ordering example:
EAN 4007220**900499**
ZYA 0616/6 INOX

PFERDERGONOMICS®:
Vibration Filter Noise Filter

Description	Cut INOX EAN 4007220	Shank dia. d_2 [mm]	Burr dia. x length d_1 x l_2 [mm]	Overall length l_1 [mm]	
Shank dia. 3 mm					
ZYA 0313/3	930380	3	3 x 13	43	1
ZYA 0613/3	930403	3	6 x 13	43	1
Shank dia. 6 mm					
ZYA 0616/6	900499	6	6 x 16	55	1
ZYA 0820/6	952245	6	8 x 20	60	1
ZYA 1020/6	952252	6	10 x 20	60	1
ZYA 1225/6	900505	6	12 x 25	55	1

Ball shape KUD



Ball-shaped burr according to DIN 8032.

Ordering example:
EAN 4007220**900536**
KUD 0605/6 INOX

PFERDERGONOMICS®:
Vibration Filter Noise Filter

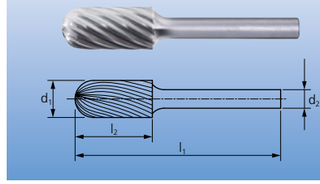
Description	Cut INOX EAN 4007220	Shank dia. d_2 [mm]	Burr dia. x length d_1 x l_2 [mm]	Overall length l_1 [mm]	
Shank dia. 3 mm					
KUD 0302/3	930434	3	3 x 2	33	1
KUD 0605/3	930441	3	6 x 5	35	1
Shank dia. 6 mm					
KUD 0605/6	900536	6	6 x 5	45	1
KUD 0807/6	952269	6	8 x 7	47	1
KUD 1009/6	952276	6	10 x 9	49	1
KUD 1210/6	900543	6	12 x 10	51	1

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

Ordering example:
EAN 4007220**900512**
WRC 0616/6 INOX

PFERDERGONOMICS®:
Vibration Filter Noise Filter

Cylindrical shape with radius end WRC



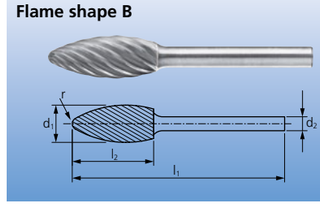
Description	Cut INOX EAN 4007220	Shank dia. d_2 [mm]	Burr dia. x length d_1 x l_2 [mm]	Overall length l_1 [mm]	
Shank dia. 3 mm					
WRC 0313/3	930410	3	3 x 13	43	1
WRC 0613/3	930427	3	6 x 13	43	1
Shank dia. 6 mm					
WRC 0616/6	900512	6	6 x 16	55	1
WRC 0820/6	952283	6	8 x 20	60	1
WRC 1020/6	952290	6	10 x 20	60	1
WRC 1225/6	900529	6	12 x 25	65	1

Flame-shaped burr according to ISO 7755/8.

Ordering example:
EAN 4007220**930502**
B 1230/6 INOX

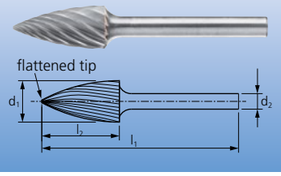
PFERDERGONOMICS®:
Vibration Filter Noise Filter

Flame shape B



Description	Cut INOX EAN 4007220	Shank dia. d_2 [mm]	Burr dia. x length d_1 x l_2 [mm]	Overall length l_1 [mm]	Radius r [mm]	
Shank dia. 6 mm						
B 0820/6	952306	6	8 x 20	60	1.5	1
B 1025/6	952313	6	10 x 25	65	1.7	1
B 1230/6	930502	6	12 x 30	70	2.1	1

Pointed tree shape SPG



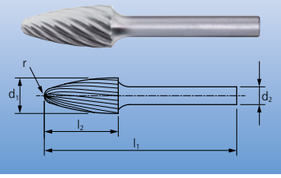
Pointed tree-shaped burr according to DIN 8032, flattened tip.

Ordering example:
EAN 4007220**936948**
SPG 0618/6 INOX

PFERDERGONOMICS®:
Vibration Filter Noise Filter

Description	Cut INOX EAN 4007220	Shank dia. d_2 [mm]	Burr dia. x length d_1 x l_2 [mm]	Overall length l_1 [mm]	
Shank dia. 6 mm					
SPG 0618/6	936948	6	6 x 18	55	1
SPG 0820/6	952320	6	8 x 20	60	1
SPG 1020/6	952337	6	10 x 20	60	1
SPG 1225/6	936894	6	12 x 25	65	1

Tree shape with radius end RBF



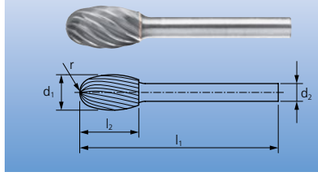
Tree-shaped burr with radius end according to DIN 8032.

Ordering example:
EAN 4007220**900550**
RBF 0618/6 INOX

PFERDERGONOMICS®:
Vibration Filter Noise Filter

Description	Cut INOX EAN 4007220	Shank dia. d_2 [mm]	Burr dia. x length d_1 x l_2 [mm]	Overall length l_1 [mm]	Radius r [mm]	
Shank dia. 3 mm						
RBF 0313/3	930472	3	3 x 13	43	0.75	1
RBF 0613/3	930489	3	6 x 13	43	1.5	1
Shank dia. 6 mm						
RBF 0618/6	900550	6	6 x 18	55	1.5	1
RBF 0820/6	952344	6	8 x 20	60	1.2	1
RBF 1020/6	952351	6	10 x 20	60	2.5	1
RBF 1225/6	900567	6	12 x 25	65	2.5	1

Oval shape TRE

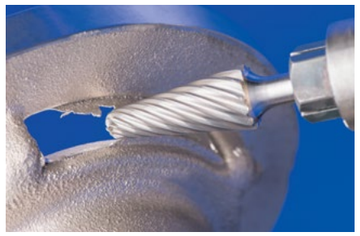


Oval burr according to DIN 8032.

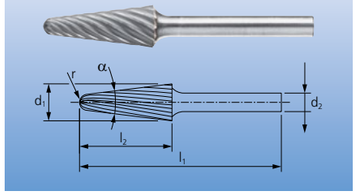
Ordering example:
EAN 4007220**930519**
TRE 1220/6 INOX

PFERDERGONOMICS®:
Vibration Filter Noise Filter

Description	Cut INOX EAN 4007220	Shank dia. d_2 [mm]	Burr dia. x length d_1 x l_2 [mm]	Overall length l_1 [mm]	Radius r [mm]	
Shank dia. 6 mm						
TRE 0813/6	952368	6	8 x 13	53	3.7	1
TRE 1016/6	952375	6	10 x 16	56	4.0	1
TRE 1220/6	930519	6	12 x 20	60	5.0	1



Conical shape with radius end KEL



Conical burr with radius end according to DIN 8032.

Ordering example:
EAN 4007220**930496**
KEL 1230/6 INOX

PFERDERGONOMICS®:
Vibration Filter Noise Filter

Description	Cut INOX EAN 4007220	Shank dia. d_2 [mm]	Burr dia. x length d_1 x l_2 [mm]	Overall length l_1 [mm]	Angle α	Radius r [mm]	
Shank dia. 6 mm							
KEL 0820/6	952382	6	8 x 20	60	16°	1.25	1
KEL 1020/6	952399	6	10 x 20	60	14°	2.9	1
KEL 1230/6	930496	6	12 x 30	70	14°	2.6	1