STEEL CUT high-performance carbide burs

Optimized performance for steel and cast steel

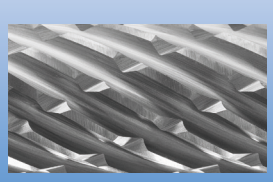
TRUST BLUE

- Up to 50% higher stock removal rates for applications on steel and cast steel compared to conventional burs with double cut
- Innovative tooth geometry delivers smooth but very aggressive operating action, generating large chips and very high removal rates
- Comfortable working with reduced vibrations and less noise

STEEL CUT high-performance carbide burs

For use on steel and cast steel

STEEL Cut



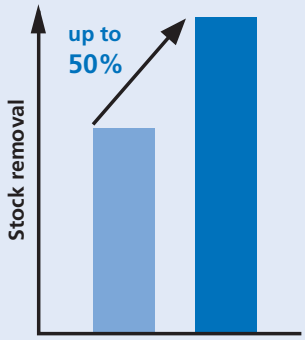
With its innovative STEEL cut, PFERD has developed unique burs for machining steel and cast steel, distinguished by **smooth but very aggressive operating action**, ensuring safe and precise work.

Extremely **high stock removal rates** improve productivity through **significant time savings** and **reduced labor costs**.

Advantages:

- Innovative tooth geometry delivers very aggressive operating action, generating large chips and very high removal rates
- Significant time savings through the extremely high stock removal performance
- Protection of the workpiece and tool through much lower thermal loads
- Comfortable and ergonomic working through quieter operation with reduced vibration and less noise

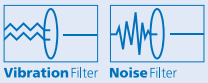
Performance values for application on steel and cast steel



- Conventional burs with double cut
- Tungsten carbide burs with STEEL cut

PFERDERGONOMICS®

PFERDERGONOMICS® recommends carbide burs with STEEL cut as an innovative tool solution for use on steel and cast steel. They stand out through smoother milling characteristics, significantly reduced vibrations and less noise development.



For further information and suitable PFERD tools see the brochure "**PFERD**ERGONOMICS® – The Focus is on People".

Recommended rotational speed range [RPM]

To determine the recommended cutting speed [SFPM], please proceed as follows:

❶ Select the material group that is to be processed
❷ Determine the type of application
❸ Select the cut
❹ Establish the cutting speed range

To determine the recommended rotational speed [RPM], please proceed as follows
❺ Select the required bur diameter
❻ The cutting speed range and bur diameter determine the rotational speed range [RPM]

❶ Material groups			❷ Application	❸ Cut	❹ Cutting speed
Steel, cast steel	Non-hardened, non-heat treated steels up to 38 HRC (< 1200 N/mm²)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steels	Coarse machining = high stock removal	STEEL	1,500 - 2,500 SFPM
	Hardened, heat-treated steels exceeding 38 HRC (> 1200 N/mm²)	Tool steels, tempering steels, alloyed steels, cast steels			

❺ Bur dia. [Inches]	❹ Cutting speed [SFPM]	
	1,500	2,500
	❻ Rotational speed [RPM]	
3/8	16,000	26,000
1/2	12,000	20,000

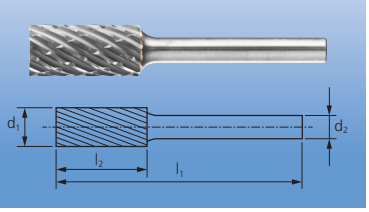
Example:
TC bur, STEEL cut,
bur dia. 1/2".
Cutting speed: 1,500 - 2,500 SFPM
Rotational speed: 12,000 - 20,000 RPM

Cylindrical bur with plain end (uncut).

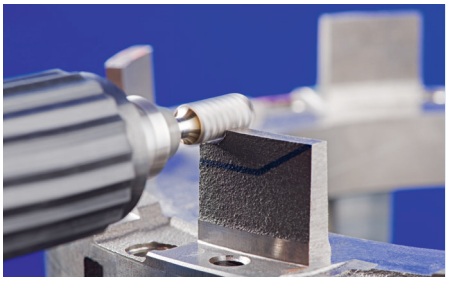
PFERD Specification Number:
ZYA

Vibration Filte Noise Filter

Cylindrical (Plain End)
Shape A



Head Dia. x Length d_1 x l_2 [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number STEEL	
Shank Dia. 1/4"					
3/8 x 3/4	SA-3	1/4	2-1/2	24068	1
1/2 x 1	SA-5	1/4	2-3/4	24108	1

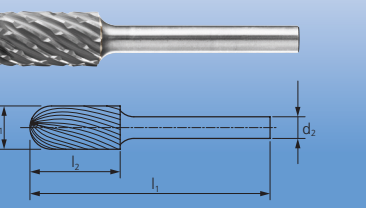


Cylindrical bur with radius end.

PFERD Specification Number:
WRC

Vibration Filter Noise Filter

Cylindrical (Radius End)
Shape C



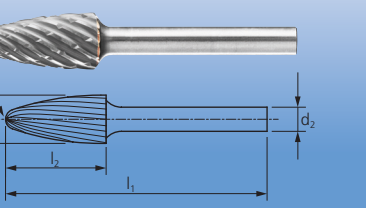
Head Dia. x Length d_1 x l_2 [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number STEEL	
Shank Dia. 1/4"					
3/8 x 3/4	SC-3	1/4	2-1/2	24428	1
1/2 x 1	SC-5	1/4	2-3/4	24468	1

Tree-shaped bur with radius end.

PFERD Specification Number:
RBF

Vibration Filter Noise Filter

Tree (Radius End)
Shape F



Head Dia. x Length d_1 x l_2 [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number STEEL	
Shank Dia. 1/4"					
3/8 x 3/4	SF-3	1/4	2-1/2	24708	1
1/2 x 1	SF-5	1/4	2-3/4	24728	1

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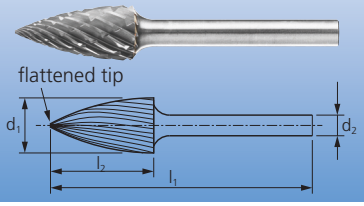
Tree (Pointed End)
Shape G



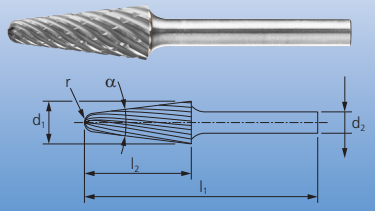
Tree-shaped bur with pointed end.

PFERD Specification Number
SPG

Vibration Filter Noise Filter

Head Dia. x Length $d_1 \times l_2$ [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number STEEL	
Shank Dia. 1/4"					
3/8 x 3/4	SG-3	1/4	2-1/2	24808	1
1/2 x 1	SL-5	1/4	2-3/4	24818	1

14° Taper (Radius End)
Shape L



Taper bur with radius end.

PFERD Specification Number
KEL

Vibration Filter Noise Filter

Head Dia. x Length $d_1 \times l_2$ [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number STEEL	
Shank Dia. 1/4"					
3/8 x 1-1/16	SL-3	1/4	3	25158	1
1/2 x 1-1/8	SL-4	1/4	3-1/16	25168	1

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Printed in Germany.
Subject to technical modifications.
06/2016
819 187
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