

Reinforced grinding wheels

Universal Line PS-FORTE



Reinforced grinding wheels

Universal Line PS-FORTE



Very soft general-purpose tool of hardness K, with aggressive grinding performance and long tool life.

Abrasive: Aluminium oxide A

Materials to be worked:
Steel

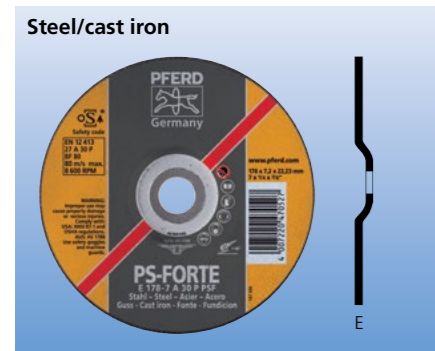
Applications:
Surface grinding, work on weld seams, fillet weld grinding

Recommendations for use:

- Suitable for use on angle grinders of all output categories
- Achieves particularly high stock removal rates even at low contact pressure



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 178-7 A 30 K PSF/22,23	477724	27 A 30 K BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10



Medium-hard general-purpose tool of hardness P, with aggressive grinding performance and long tool life.

Abrasive: Aluminium oxide A

Materials to be worked:
Steel, cast iron

Applications:
Surface grinding, work on weld seams, chamfering, deburring, fillet weld grinding

Recommendations for use:

- Suitable for use on angle grinders of all output categories
- Achieves particularly high stock removal rates even at low contact pressure



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 100-6 A 30 P PSF/16,0	653944	27 A 30 P BF 80	100 x 6.3 x 16.0 (5/8)	15,300	10
E 115-7 A 30 P PSF/22,23	470510	27 A 30 P BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-7 A 30 P PSF/22,23	471142	27 A 30 P BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 150-7 A 30 P PSF/22,23	952726	27 A 30 P BF 80	150 x 7.2 x 22.23 (7/8)	10,200	10
E 178-7 A 30 P PSF/22,23	470527	27 A 30 P BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 178-8 A 30 P PSF/22,23	470534	27 A 30 P BF 80	178 x 8.3 x 22.23 (7/8)	8,600	10
E 230-7 A 30 P PSF/22,23	470541	27 A 30 P BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10
E 230-8 A 30 P PSF/22,23	470558	27 A 30 P BF 80	230 x 8.3 x 22.23 (7/8)	6,600	10



Soft general-purpose tool of hardness M, with aggressive grinding performance and long tool life.

Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, chlorinated or sulphurous fillers.

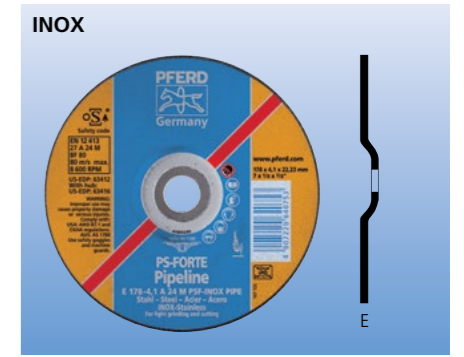
Materials to be worked:
Stainless steel (INOX)

Applications:

Surface grinding, work on weld seams, chamfering, deburring, fillet weld grinding, grouting

Recommendations for use:

- Suitable for use on angle grinders of all output categories
- Achieves particularly high stock removal rates even at low contact pressure



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 100-6 A 30 M PSF-INOX/16,0	471128	27 A 30 M BF 80	100 x 6.3 x 16.0 (5/8)	15,300	10
E 115-7 A 30 M PSF-INOX/22,23	470565	27 A 30 M BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-7 A 30 M PSF-INOX/22,23	471159	27 A 30 M BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 150-7 A 30 M PSF-INOX/22,23	471166	27 A 30 M BF 80	150 x 7.2 x 22.23 (7/8)	10,200	10
E 178-7 A 30 M PSF-INOX/22,23	470572	27 A 30 M BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 178-8 A 30 M PSF-INOX/22,23	470589	27 A 30 M BF 80	178 x 8.3 x 22.23 (7/8)	8,600	10
E 230-7 A 30 M PSF-INOX/22,23	470596	27 A 30 M BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10
E 230-8 A 30 M PSF-INOX/22,23	470602	27 A 30 M BF 80	230 x 8.3 x 22.23 (7/8)	6,600	10

Soft general-purpose tool of hardness L, with aggressive grinding performance and long tool life.

A combination tool for steel and stainless steel that optimizes inventory management.

Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, chlorinated or sulphurous fillers.

Materials to be worked:
Steel, stainless steel (INOX)

Applications:

Surface grinding, work on weld seams, chamfering, fillet weld grinding

Recommendations for use:

- Suitable for use on angle grinders of all output categories
- Achieves particularly high stock removal rates even at low contact pressure



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 100-6 A 24 L PSF/16,0	643273	27 A 24 L BF 80	100 x 6.3 x 16.0 (5/8)	15,300	10
E 115-7 A 24 L PSF/22,23	640852	27 A 24 L BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-7 A 24 L PSF/22,23	640883	27 A 24 L BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 150-7 A 24 L PSF/22,23	641002	27 A 24 L BF 80	150 x 7.2 x 22.23 (7/8)	10,200	10
E 178-7 A 24 L PSF/22,23	640999	27 A 24 L BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 230-7 A 24 L PSF/22,23	640951	27 A 24 L BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10



Reinforced grinding wheels

Universal Line PS-FORTE

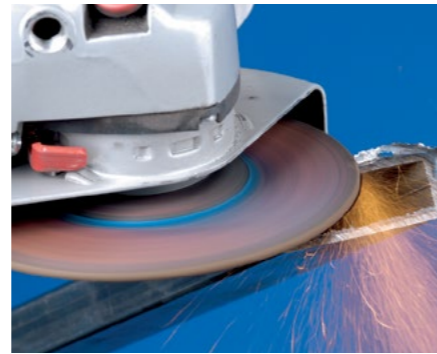


DUODISC®

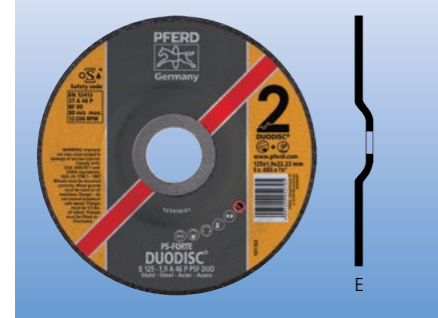
Combination abrasive DUODISC® for cutting and light deburring. Medium-hard tool of hardness P.

Advantages:

- Meets highest quality and safety standards through robust, dimensionally and laterally stable disc designs
- Reduced labour costs through savings in set-up times (fewer disc changes)
- High performance through aggressive abrasives and high-quality abrasive grit bonds
- Complies with the requirements of EN 12413



Steel



Abrasive: Aluminium oxide A

Materials to be worked:
Steel

Applications:
Cutting, light deburring, light surface grinding, fillet weld grinding, grouting, removal of weld spots

Recommendations for use:

- Disc thickness 1.9 mm for fast cutting and deburring
- Disc thicknesses 3.5/2.8 mm for tough operating conditions and very long tool life
- Suitable for use on angle grinders of all output categories

Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-1,9 A 46 P PSF-DUO/22,23	952771	27 A 46 P BF 80	115 x 1.9 x 22.23 (7/8)	13,300	10
E 115-2,8 A 46 P PSF-DUO/22,23	952788	27 A 46 P BF 80	115 x 2.8 x 22.23 (7/8)	13,300	10
E 125-1,9 A 46 P PSF-DUO/22,23	952795	27 A 46 P BF 80	125 x 1.9 x 22.23 (7/8)	12,200	10
E 125-2,8 A 46 P PSF-DUO/22,23	952801	27 A 46 P BF 80	125 x 2.8 x 22.23 (7/8)	12,200	10
E 150-3,5 A 46 P PSF-DUO/22,23	952818	27 A 46 P BF 80	150 x 3.5 x 22.23 (7/8)	10,200	10

INOX



Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, chlorinated or sulphurous fillers.

Materials to be worked:
Stainless steel (INOX)

Applications:
Cutting, light deburring, light surface grinding, fillet weld grinding, grouting, removal of weld spots

Recommendations for use:

- Disc thickness 1.9 mm for fast cutting and deburring
- Disc thicknesses 3.5/2.8 mm for tough operating conditions and very long tool life
- Suitable for use on angle grinders of all output categories

Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 100-1,9 A 46 P PSF-INOX-DUO/16,0	845578	27 A 46 P BF 80	100 x 1.9 x 16.0 (5/8)	15,300	10
E 100-2,8 A 46 P PSF-INOX-DUO/16,0	952733	27 A 46 P BF 80	100 x 2.8 x 16.0 (5/8)	15,300	10
E 115-1,9 A 46 P PSF-INOX-DUO/22,23	835081	27 A 46 P BF 80	115 x 1.9 x 22.23 (7/8)	13,300	10
E 115-2,8 A 46 P PSF-INOX-DUO/22,23	754498	27 A 46 P BF 80	115 x 2.8 x 22.23 (7/8)	13,300	10
E 125-1,9 A 46 P PSF-INOX-DUO/22,23	835098	27 A 46 P BF 80	125 x 1.9 x 22.23 (7/8)	12,200	10
E 125-2,8 A 46 P PSF-INOX-DUO/22,23	754504	27 A 46 P BF 80	125 x 2.8 x 22.23 (7/8)	12,200	10
E 150-3,5 A 46 P PSF-INOX-DUO/22,23	952740	27 A 46 P BF 80	150 x 3.5 x 22.23 (7/8)	10,200	10
E 178-3,5 A 24 P PSF-INOX-DUO/22,23	952764	27 A 24 P BF 80	178 x 3.5 x 22.23 (7/8)	8,600	10



Reinforced grinding wheels

Performance Line SG-ELASTIC



Hard professional tool of hardness R, with aggressive grinding performance and very long tool life.
For use under high loads.

Abrasive: Aluminium oxide A

Materials to be worked:
Steel

E 70-6 A 24 R SG/10.0
E 76-6 A 24 R SG/10.0
are also suitable for stainless steel (INOX).

Applications:

Surface grinding, work on weld seams, chamfering, deburring, fillet weld grinding, grouting

Recommendations for use:

- Achieves optimum grinding results on high-powered angle grinders

Steel



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
Also for stainless steel (INOX)					
E 70-6 A 24 R SG/10,0	471067	27 A 24 R BF 80	70 x 6.3 x 10.0 (3/8)	21,800	10
E 76-6 A 24 R SG/10,0	471081	27 A 24 R BF 80	76 x 6.3 x 10.0 (3/8)	20,200	10
Steel					
E 100-4 A 24 R SG/16,0	471104	27 A 24 R BF 80	100 x 4.1 x 16.0 (5/8)	15,300	10
E 100-6 A 24 R SG/16,0	471111	27 A 24 R BF 80	100 x 6.3 x 16.0 (5/8)	15,300	10
E 115-4 A 24 R SG/22,23	457634	27 A 24 R BF 80	115 x 4.1 x 22.23 (7/8)	13,300	10
E 115-7 A 24 R SG/22,23	468944	27 A 24 R BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-4 A 24 R SG/22,23	457696	27 A 24 R BF 80	125 x 4.1 x 22.23 (7/8)	12,200	10
E 125-7 A 24 R SG/22,23	468951	27 A 24 R BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 150-7 A 24 R SG/22,23	640791	27 A 24 R BF 80	150 x 7.2 x 22.23 (7/8)	10,200	10
E 178-4 A 24 R SG/22,23	478752	27 A 24 R BF 80	178 x 4.1 x 22.23 (7/8)	8,600	10
E 178-7 A 24 R SG/22,23	470145	27 A 24 R BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 178-8 A 24 R SG/22,23	470152	27 A 24 R BF 80	178 x 8.3 x 22.23 (7/8)	8,600	10
E 230-7 A 24 R SG/22,23	470169	27 A 24 R BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10
E 230-8 A 24 R SG/22,23	470176	27 A 24 R BF 80	230 x 8.3 x 22.23 (7/8)	6,600	10



Reinforced grinding wheels

Performance Line SG-ELASTIC



Soft professional tool of hardness N (INOX), with exceptionally aggressive grinding performance and very long tool life.

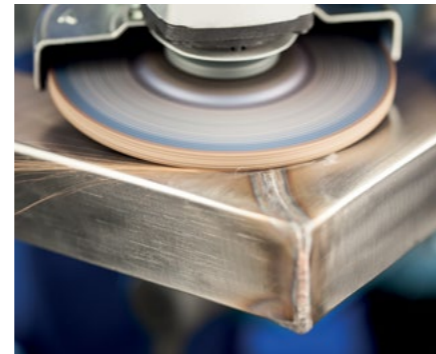
Abrasive: Special aluminium oxide A
Manufactured without addition of ferrous, chlorinated or sulphurous fillers.

Materials to be worked:
Stainless steel (INOX)

Applications:
Surface grinding, work on weld seams, chamfering, deburring, fillet weld grinding, grouting

Recommendations for use:

- Provides optimum grinding results on high-powered angle grinders



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-4 A 30 N SG-INOX/22,23	457627	27 A 30 N BF 80	115 x 4.1 x 22.23 (7/8)	13,300	10
E 115-7 A 30 N SG-INOX/22,23	470244	27 A 30 N BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-4 A 30 N SG-INOX/22,23	457689	27 A 30 N BF 80	125 x 4.1 x 22.23 (7/8)	12,200	10
E 125-5 A 30 N SG-INOX/22,23	520079	27 A 30 N BF 80	125 x 5.2 x 22.23 (7/8)	12,200	10
E 125-7 A 30 N SG-INOX/22,23	470251	27 A 30 N BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 150-7 A 30 N SG-INOX/22,23	332245	27 A 30 N BF 80	150 x 7.2 x 22.23 (7/8)	12,200	10
E 178-7 A 30 N SG-INOX/22,23	470398	27 A 30 N BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 178-8 A 30 N SG-INOX/22,23	470404	27 A 30 N BF 80	178 x 8.3 x 22.23 (7/8)	8,600	10
E 230-7 A 30 N SG-INOX/22,23	470411	27 A 30 N BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10
E 230-8 A 30 N SG-INOX/22,23	470428	27 A 30 N BF 80	230 x 8.3 x 22.23 (7/8)	6,600	10

Aluminium/non-ferrous metals



Soft professional tool of hardness N (ALU), with exceptionally aggressive grinding performance. Operates without tool clogging, even on soft, lubricated materials.

Contains no fillers that might leave undesirable residues on the workpiece. The ground surface can therefore be welded without further treatment.

Abrasive: Special aluminium oxide A

Materials to be worked:
Soft and tough aluminium, non-ferrous metals

Applications:
Surface grinding, work on weld seams, fillet weld grinding

Recommendations for use:

- Achieves outstanding grinding results even at low contact pressure
- Suitable for use on angle grinders of all output categories

Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-7 A 24 N SG-ALU/22,23	475393	27 A 24 N BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-7 A 24 N SG-ALU/22,23	475409	27 A 24 N BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 150-7 A 24 N SG-ALU/22,23	952832	27 A 24 N BF 80	150 x 7.2 x 22.23 (7/8)	10,200	10
E 178-7 A 24 N SG-ALU/22,23	475416	27 A 24 N BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 230-7 A 24 N SG-ALU/22,23	617793	27 A 24 N BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10



Reinforced grinding wheels

Special Line SG-PLUS

Hard special tool of hardness R, with very good grinding performance and outstanding tool life.

For professional work meeting the highest standards.

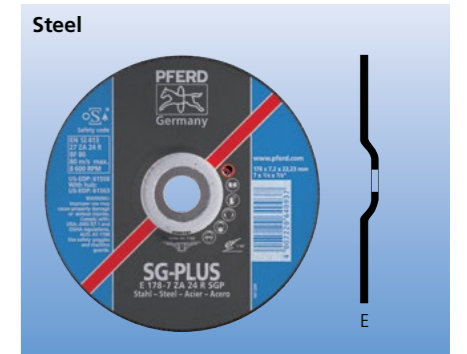
Abrasive: Zirconia alumina/ aluminium oxide ZA

Materials to be worked:
Steel

Applications:
Work on weld seams, chamfering, deburring

Recommendations for use:

- Preferably for use on high-powered air and electric angle grinders



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-7 ZA 24 R SGP/22,23	640913	27 ZA 24 R BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-7 ZA 24 R SGP/22,23	640920	27 ZA 24 R BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 150-7 ZA 24 R SGP/22,23	640784	27 ZA 24 R BF 80	150 x 7.2 x 22.23 (7/8)	10,200	10
E 178-7 ZA 24 R SGP/22,23	640937	27 ZA 24 R BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 230-7 ZA 24 R SGP/22,23	640944	27 ZA 24 R BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10



Reinforced grinding wheels

Performance Line SG-ELASTIC



Reinforced grinding wheels

Performance Line SG-ELASTIC

Foundry reinforced grinding wheels

For the hard conditions encountered on air turbine grinders and strong high-frequency or electric angle grinders in foundries, PFERD has developed reinforced grinding wheels which meet particularly high quality and safety standards.

Materials such as casting scale with sand contamination, cast iron, cast iron with flake graphite, cast iron with nodular graphite/nodular cast iron, as well as steel can be worked outstandingly.

General plaster work, surface grinding, chamfering and deburring are the most common applications in tough foundry use.

For all matters relating to work in foundries, PFERD offers you targeted and individual support. Our experienced sales representatives and technical advisors will be pleased to assist you. Please contact us.



Casting scale



Hard professional tool of hardness S (AC-CAST), with aggressive grinding performance and very long tool life.

Abrasive: Aluminium oxide/silicon carbide AC

Materials to be worked: Casting scale with sand contamination, cast iron with flake graphite, cast iron with nodular graphite/nodular cast iron, hard aluminium

Applications:

Surface grinding, work on weld seams, chamfering, deburring

Recommendations for use:

- Preferably for use on high-powered angle grinders
- Provides optimum grinding results on air turbine grinders and powerful high-frequency or electric angle grinders



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 178-7 AC 30 S SG/22,23	520208	27 AC 30 S BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 230-7 AC 30 S SG/22,23	520215	27 AC 30 S BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10

Cast iron/stone



Medium-hard professional tool of hardness Q, with aggressive grinding performance and very long tool life.

Abrasive: Silicon carbide C

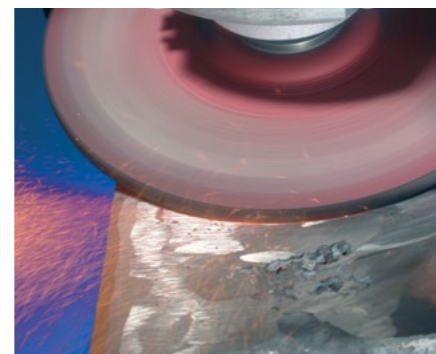
Materials to be worked: Cast iron/casting scale, stone, hard aluminium

Applications:

Surface grinding, chamfering, deburring

Recommendations for use:

- Preferably for use on high-powered angle grinders
- Provides optimum grinding results on air turbine grinders and powerful high-frequency or electric angle grinders



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-7 C 24 Q SG/22,23	471135	27 C 24 Q BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-7 C 24 Q SG/22,23	643303	27 C 24 Q BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 178-7 C 24 Q SG/22,23	471173	27 C 24 Q BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 230-7 C 24 Q SG/22,23	329290	27 C 24 Q BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10

Hard professional tool of hardness S (ZA-CAST), with outstanding grinding performance and very long tool life.

Abrasive: Zirconia alumina/aluminium oxide ZA

Materials to be worked:

Cast iron with flake graphite, cast iron with nodular graphite/nodular cast iron, steel

Applications:

Surface grinding, work on weld seams, chamfering, deburring, grouting

Recommendations for use:

- Preferably for use on high-powered angle grinders
- Provides optimum grinding results on air turbine grinders and powerful high-frequency or electric angle grinders



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-7 ZA 30 S SG/22,23	802359	27 ZA 30 S BF 80	115 x 7.2 x 22.23 (7/8)	13,300	10
E 125-7 ZA 30 S SG/22,23	802380	27 ZA 30 S BF 80	125 x 7.2 x 22.23 (7/8)	12,200	10
E 178-7 ZA 30 S SG/22,23	470435	27 ZA 30 S BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 178-8 ZA 30 S SG/22,23	470480	27 ZA 30 S BF 80	178 x 8.3 x 22.23 (7/8)	8,600	10
E 230-5 ZA 30 S SG/22,23	640876	27 ZA 30 S BF 80	230 x 5.2 x 22.23 (7/8)	6,600	10
E 230-7 ZA 30 S SG/22,23	470459	27 ZA 30 S BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10
E 230-8 ZA 30 S SG/22,23	470503	27 ZA 30 S BF 80	230 x 8.3 x 22.23 (7/8)	6,600	10



Very hard high-performance tool of hardness T, with outstanding grinding performance and tool life. For industrial use under severe operating conditions.

Abrasive: Zirconia alumina/aluminium oxide ZA

Materials to be worked: Cast iron with flake graphite, cast iron with nodular graphite/nodular cast iron, scale

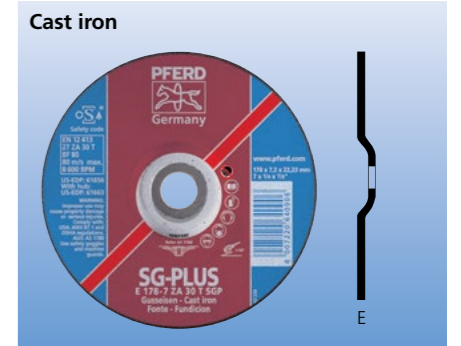
Applications:

Surface grinding, chamfering, deburring

Recommendations for use:

- Provides optimum grinding results on air turbine grinders and powerful high-frequency or electric angle grinders

Special Line SG-PLUS



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 178-7 ZA 30 T SGP/22,23	640906	27 ZA 30 T BF 80	178 x 7.2 x 22.23 (7/8)	8,600	10
E 178-8 ZA 30 T SGP/22,23	802403	27 ZA 30 T BF 80	178 x 8.3 x 22.23 (7/8)	8,600	10
E 230-7 ZA 30 T SGP/22,23	640890	27 ZA 30 T BF 80	230 x 7.2 x 22.23 (7/8)	6,600	10
E 230-8 ZA 30 T SGP/22,23	802410	27 ZA 30 T BF 80	230 x 8.3 x 22.23 (7/8)	6,600	10



Reinforced grinding wheels

Universal Line PS-FORTE



Pipeline reinforced grinding wheels

Extreme weather and hard working conditions, tough applications and high physical loads characterize the work in pipeline construction.

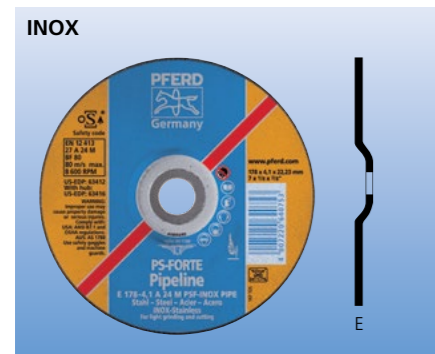
PFERD tools are used where there are high demands on efficient work and the quality of the work results. No matter what applications need to be resolved – rust removal, deburring, cleaning of welds and root welds – PFERD tools are ideally suited for all pipeline construction tasks.

Our aim: Optimum work results and the highest economic value with PFERD tools for pipeline construction.

For all matters relating to work in pipeline construction, PFERD offers you targeted and individual support. Our experienced sales representatives and technical advisors will be pleased to assist you. Please contact us.



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



Soft general-purpose tool of hardness M, with aggressive grinding performance and long tool life.

Particularly shape-stable for use in pipeline construction.

Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, chlorinated or sulphurous fillers.

Materials to be worked:

Stainless steel (INOX)

Applications:

Surface grinding, work on weld seams, chamfering, deburring, fillet weld grinding, grouting

Recommendations for use:

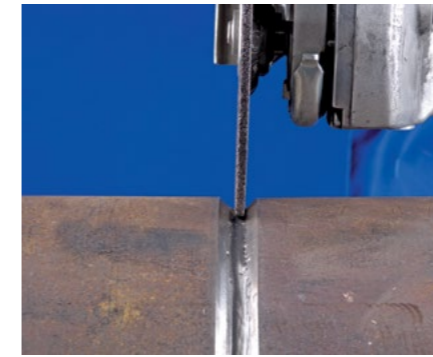
- Suitable for use on angle grinders of all output categories
- Achieves outstanding grinding results even at low contact pressure

Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-4,1 A 46 M PSF-INOX-PIPE/22,23	640869	27 A 46 M BF 80	115 x 4.1 x 22.23 (7/8)	13,300	10
E 150-4,1 A 30 M PSF-INOX-PIPE/22,23	807774	27 A 30 M BF 80	150 x 4.1 x 22.23 (7/8)	10,200	10
E 178-4,1 A 24 M PSF-INOX-PIPE/22,23	640753	27 A 24 M BF 80	178 x 4.1 x 22.23 (7/8)	8,600	10
E 178-4,6 A 24 M PSF-INOX-PIPE/22,23	807781	27 A 24 M BF 80	178 x 4.6 x 22.23 (7/8)	8,600	10



Reinforced grinding wheels

Performance Line SG-ELASTIC



Hard professional tool of hardness R, with aggressive grinding performance and very long tool life.

For use under high load. Particularly shape-stable for use in pipeline construction.

Abrasive: Aluminium oxide A

Materials to be worked:

Steel

Applications:

Surface grinding, work on weld seams, chamfering, deburring, fillet weld grinding, grouting

Recommendations for use:

- Optimum grinding results on high-powered angle grinders



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-4,1 A 24 R SG PIPE/22,23	640845	27 A 24 R BF 80	115 x 4.1 x 22.23 (7/8)	13,300	10
E 178-4,1 A 24 R SG PIPE/22,23	640746	27 A 24 R BF 80	178 x 4.1 x 22.23 (7/8)	8,600	10

Soft professional tool of hardness N (INOX), with exceptionally aggressive grinding performance and very long tool life. Particularly shape-stable for use in pipeline construction.

Abrasive: Special aluminium oxide A

Manufactured without addition of ferrous, chlorinated or sulphurous fillers.

Materials to be worked:

Stainless steel (INOX)

Applications:

Surface grinding, work on weld seams, chamfering, deburring, fillet weld grinding, grouting

Recommendations for use:

- Provides optimum grinding results on high-powered angle grinders



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 178-4,1 A 30 N SG-INOX-PIPE/22,23	475287	27 A 30 N BF 80	178 x 4.1 x 22.23 (7/8)	8,600	10

Hard professional tool of hardness S, with outstanding grinding performance and very long tool life. Particularly shape-stable for use in pipeline construction.

Abrasive: Zirconia alumina/ aluminium oxide ZA

Materials to be worked:

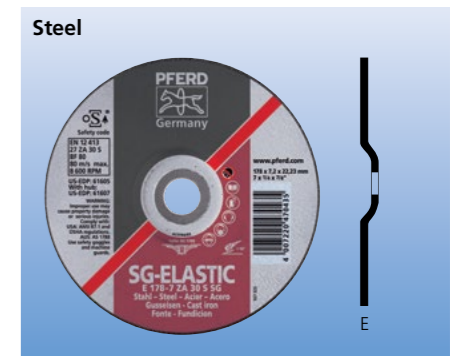
Steel, cast iron

Applications:

Surface grinding, work on weld seams, chamfering, deburring, grouting

Recommendations for use:

- Preferably for use on high-powered angle grinders
- Provides optimum grinding results on air turbine grinders and powerful high-frequency or electric angle grinders



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 178-4,1 ZA 30 S SG PIPE/22,23	640777	27 ZA 30 S BF 80	178 x 4.1 x 22.23 (7/8)	8,600	10
E 178-4,6 ZA 30 S SG PIPE/22,23	807804	27 ZA 30 S BF 80	178 x 4.6 x 22.23 (7/8)	8,600	10
E 230-4,1 ZA 30 S SG PIPE/22,23	640760	27 ZA 30 S BF 80	230 x 4.1 x 22.23 (7/8)	6,600	10
E 230-4,6 ZA 30 S SG PIPE/22,23	807811	27 ZA 30 S BF 80	230 x 4.6 x 22.23 (7/8)	6,600	10



Reinforced grinding wheels

Special Line SG-PLUS



WHISPER

PFERD is working, in particular, on sustainably reducing the noise and vibration generated during the use of grinding tools and on significantly improving the comfort for the user.

Through its patented design, the reinforced grinding wheel WHISPER creates noticeably less vibration and significantly less noise than conventional reinforced grinding wheels. The noise exposure is reduced by up to 12 dB(A), representing a reduction of more than 90 %.

In addition, the flexible tool structure allows soft and comfortable grinding with excellent surface quality.

The reinforced grinding wheel WHISPER is a high-performance tool with an impressive machining capacity for exceptionally high stock removal. The increased productivity of the grinding process results in substantial savings in labour costs.

PFERDERGONOMICS® recommends the reinforced grinding wheel WHISPER to sustainably reduce vibration and noise levels generated during use and to improve the grinding comfort.



PFERDVIDEO

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



INOX/steel



Very soft high-performance tool of hardness H. Very suitable when high stock removal and excellent surface qualities need to be achieved economically.

Abrasive: Aluminium oxide A

Materials to be worked:
Stainless steel (INOX), steel

Applications:
Surface grinding, work on weld seams, fillet weld grinding

Recommendations for use:

- Suitable for use on angle grinders of all output categories
- Wheel thickness 5.3 mm for Hardox, scale layers, mill scale

PFERDERGONOMICS®:



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-5 A 46 H SGP-WHISPER/22,23	952849	27 A 46 H BF 80	115 x 5.3 x 22.23 (7/8)	13,300	10
E 115-7 A 46 H SGP-WHISPER/22,23	827505	27 A 46 H BF 80	115 x 7.4 x 22.23 (7/8)	13,300	10
E 125-5 A 46 H SGP-WHISPER/22,23	952856	27 A 46 H BF 80	125 x 5.3 x 22.23 (7/8)	12,200	10
E 125-7 A 46 H SGP-WHISPER/22,23	827512	27 A 46 H BF 80	125 x 7.4 x 22.23 (7/8)	12,200	10



Reinforced grinding wheels

Special Line SG-PLUS

Very soft special tool of hardness H, with exceptionally aggressive grinding performance. Operates without tool clogging even on soft, lubricating aluminium.

Contains no fillers that might leave undesirable residues on the workpiece. The ground surface can therefore be welded without further treatment.

Abrasive: Special aluminium oxide A

Materials to be worked:
Aluminium, non-ferrous metals

Applications:

Surface grinding, work on weld seams, fillet weld grinding

Recommendations for use:

- Suitable for use on angle grinders of all output categories

PFERDERGONOMICS®:



Aluminium/non-ferrous metals



Description	EAN 4007220	EN designation	D x U x H [mm (inch)]	Max. perm. speed [RPM]	
E 115-7 A 46 H SGP-WHISPER-ALU/22,23	853443	27 A 46 H BF 80	115 x 7.4 x 22.23 (7/8)	13,300	10
E 125-7 A 46 H SGP-WHISPER-ALU/22,23	853450	27 A 46 H BF 80	125 x 7.4 x 22.23 (7/8)	12,200	10



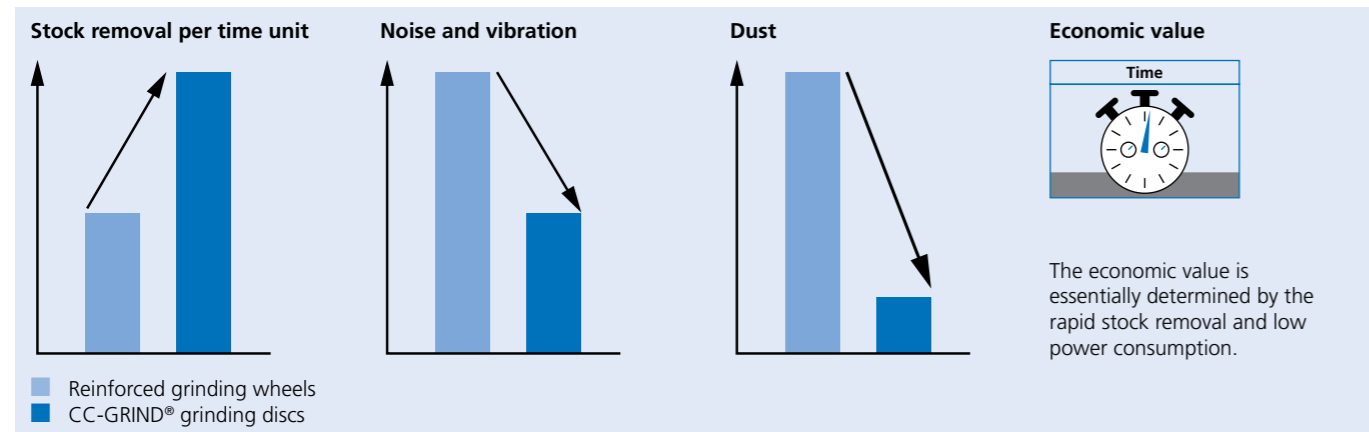


PFERD presents a newly developed, patented quick-mounting and cooling system for use with grinding discs in surface and contour grinding. This quick-mounting system and the high-performance abrasive guarantee ultimate stock removal rates.

The CC-GRIND® grinding disc combines novel backing pads and stable clamping on the rear side of the grinding wheel. With the new backing pad, all CC-GRIND® grinding discs can be used on commercially available angle grinders.

The quick-mounting system, stable clamping, secure locking of the tool and the optimized cooling system lead to a considerable increase in aggressiveness and tool life of the grinding discs. Noise and vibration are reduced by 50 %, dust by 80 %. The tool temperature is reduced by 30 %.

Flexible grinding:
Soft and flexible grinding performance with CC-GRIND® grinding discs.



Advantages:

System



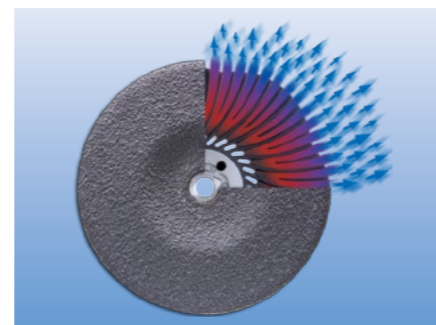
Very easy and comfortable use.

Clamping



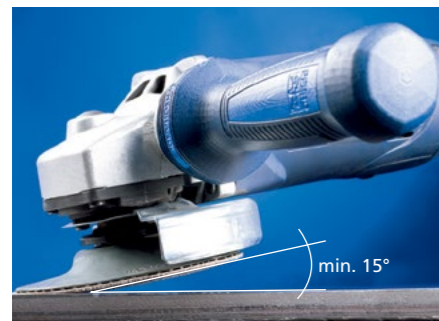
Extremely fast and easy tool change reduces process costs.

Cooling effect

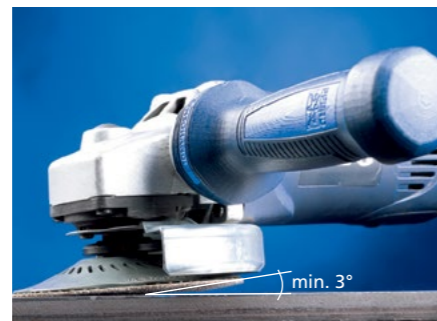


Cooling of the tool and the workpiece by the patented cooling system.

CC-GRIND® grinding discs allow very flat use!

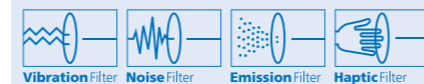


To date: Use with conventional fibre discs



Use with CC-GRIND® grinding discs
Scratches caused by protruding metal parts are avoided and very high utilization of the available abrasive is attained.

PFERDERGONOMICS® recommends the CC-GRIND® grinding disc to sustainably reduce vibration, noise and dust levels generated during use and to improve working comfort.



PFERDVIDEO

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

STEEL type for ultimate stock removal rates on steel.

Materials to be worked:
Steel

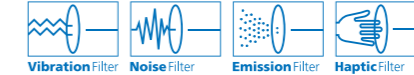
Applications:
Surface grinding, work on weld seams

Recommendations for use:

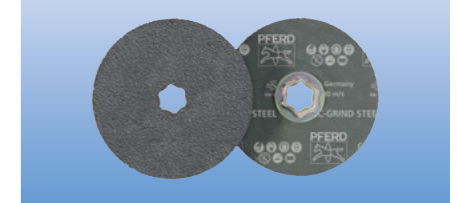
- Only use with the face of the disc, not suitable for circumferential grinding
- Avoid use on sharp edges, as far as possible, to prevent tool damage

Ordering note:
Please order backing pad separately.

PFERDERGONOMICS®:



CC-GRIND® grinding discs
Type STEEL



Description	EAN 4007220	D [mm]	Suitable backing pads	Max. perm. speed [RPM]	
CC-GRIND 115 SG-STEEL	835876	115	GT CC-GRIND-STEEL 115/125 M14	13,300	25
CC-GRIND 125 SG-STEEL	835883	125	GT CC-GRIND-INOX 115/125 M14	12,200	25

INOX type for grinding with low heat build-up and very good stock removal rate on stainless steel (INOX).

Materials to be worked:
Stainless steel (INOX)

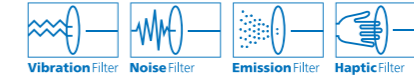
Applications:
Surface grinding, work on weld seams

Recommendations for use:

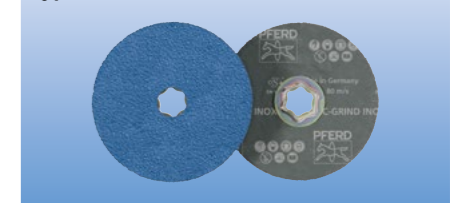
- Only use with the face of the disc, not suitable for circumferential grinding.
- Avoid use on sharp edges, as far as possible, to prevent tool damage

Ordering note:
Please order backing pad separately.

PFERDERGONOMICS®:



CC-GRIND® grinding discs
Type INOX



Description	EAN 4007220	D [mm]	Suitable backing pads	Max. perm. speed [RPM]	
CC-GRIND 115 SG-INOX	835890	115	GT CC-GRIND-STEEL 115/125 M14	13,300	25
CC-GRIND 125 SG-INOX	835906	125	GT CC-GRIND-INOX 115/125 M14	12,200	25

With this backing pad, CC-GRIND® grinding discs can be used on commercially available angle grinders.

The geometry of the cooling slits ensures high air flow. This significantly reduces the thermal load on the abrasive and the tool.

The patented quick-mounting and cooling system reduces tool changing times to a minimum.

The special backing pad design significantly increases grinding performance.

Type STEEL = grey (medium-hard)
Type INOX = blue (hard)

Safety notes:

- The maximum permitted peripheral speed is 80 m/s

CC-GRIND® backing pads

CC-GRIND® backing pads
Type STEEL/INOX



Description	EAN 4007220	Thread	Suitable for machine types	
GT CC-GRIND-STEEL 115/125 M14	835852	M14	Angle grinders 115 / 125, spindle M14	1
GT CC-GRIND-INOX 115/125 M14	835869	M14	Angle grinders 115 / 125, spindle M14	1





CC-GRIND®-SOLID

PFERD presents the new robust CC-GRIND®-SOLID for hard and tough grinding processes. The further development of the PFERD innovation CC-GRIND® is characterized by an integrated glass fibre backing pad in combination with high-performance abrasive grain and a special clamping system.

The innovative high-strength layer structure of the glass fibre backing pad guarantees the same robust and secure use as with a reinforced grinding wheel.

The CC-GRIND®-SOLID grinding disc meets all the safety requirements of a reinforced grinding wheel in accordance with EN 12413, in particular the side load test.

Noise and vibration are reduced by 50 %, dust by 80 %.

The grinding disc is optimally aligned due to the special clamping system and can thus be used particularly flat and efficiently.



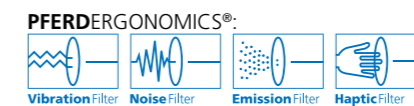
STEEL type for ultimate stock removal rates on steel.

Materials to be worked:
Steel

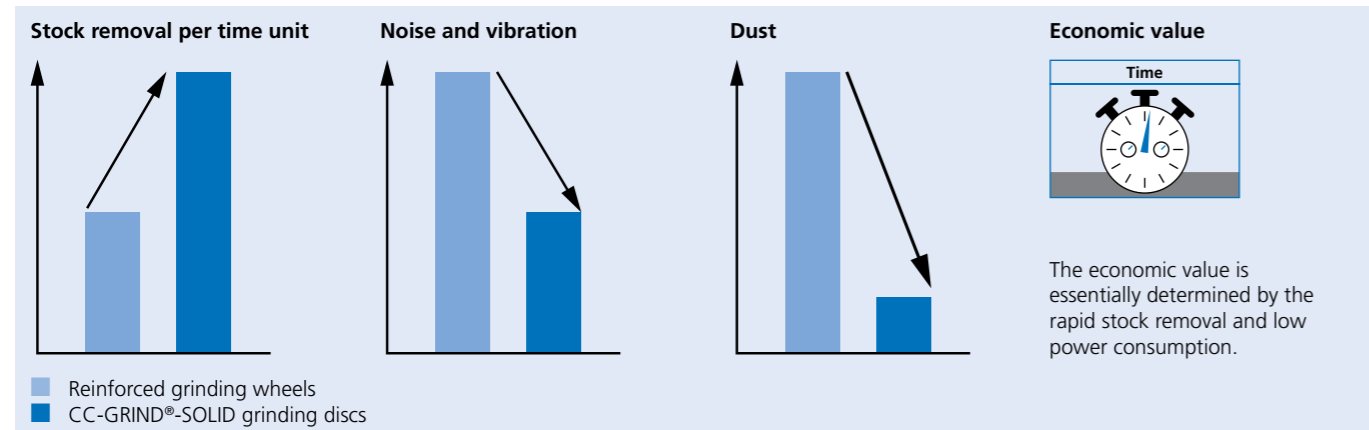
Applications:
Surface grinding, work on weld seams, chamfering, deburring, work on edges

Recommendations for use:
■ Only use the face of the disc, not suitable for circumferential grinding

Ordering note:
Please order clamping flange set SFS separately.

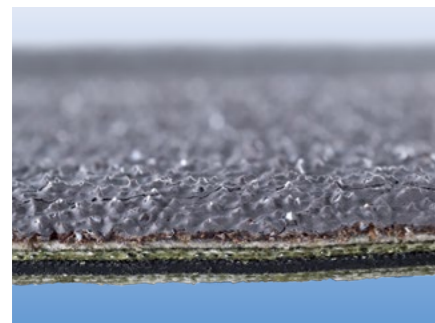


CC-GRIND®-SOLID grinding discs Type STEEL



Advantages:

Layered structure



Innovative high-strength tool construction for particularly ergonomic and safe work.

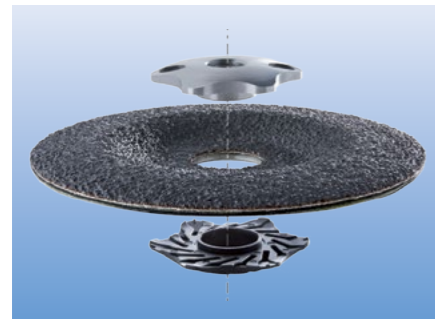
Hard and rough use



Integrated glass fibre backing pad for hard and tough use, and for work on edges.



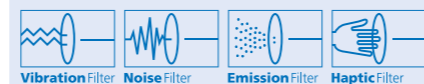
Special clamping system



Fast and easy tool change. The unique clamping system allows an extremely flat use and optimum utilization of the available abrasive.



PFERDERGONOMICS® recommends the CC-GRIND®-SOLID grinding disc to sustainably reduce vibration, noise and dust levels generated during use and to improve working comfort.



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



Description	EAN 4007220	D [mm]	Suitable clamping flange set	Max. perm. speed [RPM]	
CC-GRIND-SOLID 100 SG-STEEL	919682	100	SFS CC-GRIND-SOLID 100 M10, SFS CC-GRIND-SOLID 100 3/8"	15,300	10
CC-GRIND-SOLID 115 SG-STEEL	887059	115	SFS CC-GRIND-SOLID 115/125 M14, SFS CC-GRIND-SOLID 115/125 5/8"	13,300	10
CC-GRIND-SOLID 125 SG-STEEL	887073	125	SFS CC-GRIND-SOLID 115/125 M14, SFS CC-GRIND-SOLID 115/125 5/8"	12,200	10
CC-GRIND-SOLID 150 SG-STEEL	952894	150	SFS CC-GRIND-SOLID 180 M14, SFS CC-GRIND-SOLID 180 5/8"	10,200	10
CC-GRIND-SOLID 180 SG-STEEL	887080	180	SFS CC-GRIND-SOLID 180 M14, SFS CC-GRIND-SOLID 180 5/8"	8,500	10



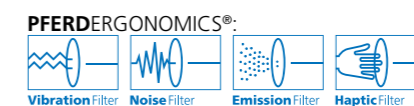
INOX type for very good stock removal rates on stainless steel (INOX).

Materials to be worked:
Stainless steel (INOX)

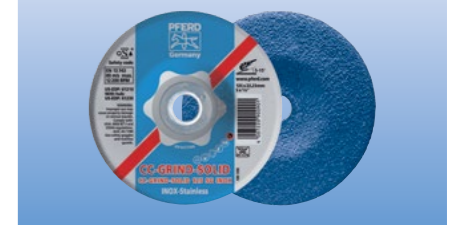
Applications:
Work on weld seams, chamfering, deburring, work on edges

Recommendations for use:
■ Only use the face of the disc, not suitable for circumferential grinding

Ordering note:
Please order clamping flange set SFS separately.



CC-GRIND®-SOLID grinding discs Type INOX



Description	EAN 4007220	D [mm]	Suitable clamping flange set	Max. perm. speed [RPM]	
CC-GRIND-SOLID 115 SG-INOX	900895	115	SFS CC-GRIND-SOLID 115/125 M14, SFS CC-GRIND-SOLID 115/125 5/8"	13,300	10
CC-GRIND-SOLID 125 SG-INOX	900901	125	SFS CC-GRIND-SOLID 115/125 M14, SFS CC-GRIND-SOLID 115/125 5/8"	12,200	10
CC-GRIND-SOLID 180 SG-INOX	900918	180	SFS CC-GRIND-SOLID 180 M14, SFS CC-GRIND-SOLID 180 5/8"	8,500	10

