

The Thin Wheels from PFERD

The Performance Experience



Performance Upgrade for all Lines

TRUST BLUE

- Perceivable increase in performance in terms of aggressiveness and tool life
- Even more thin, low-burr cuts at maximum economic value
- Unrivaled cutting comfort and labor-saving work

The Thin Wheels from PFERD

The Performance Experience



PFERD has achieved a **tangible increase in performance** in all thin cut-off wheel product lines:

- even more **thin, low-burr and fast cuts,**
- **maximum economic value,**
- **comfortable and safe.**

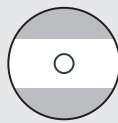
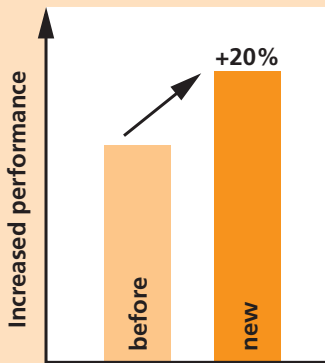
The thin wheels from PFERD are the best cut-off wheels in the world and stand out thanks to their special adhesion formula. Intensive research and development work and directed implementation in state-of-the-art manufacturing facilities guarantee the **high quality and safety standards** of PFERD premium quality.

Alongside the high quality standards, health and safety protection and ergonomics play important roles at PFERD.



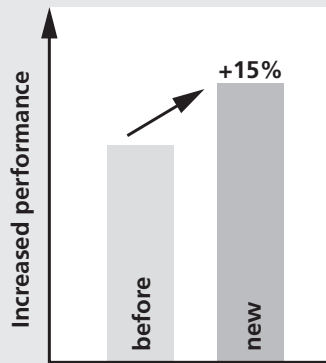
Universal line PS-FORTE

General use in industry and crafts.



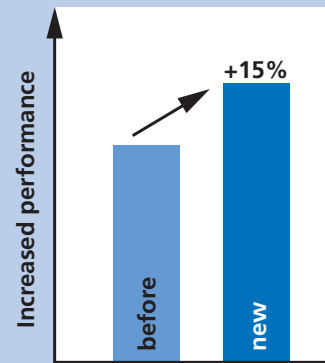
Performance line SG-ELASTIC

Widest range of tools for professional use in industry and crafts.



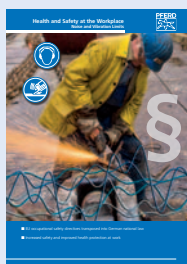
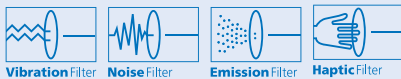
Special line SG-PLUS

For special industrial applications.



PFERDERGONOMICS recommends the thin cut-off wheels as innovative tool solutions.

For more information and suitable PFERD tools, see the brochures "PFERDERGONOMICS – The Focus is on People" and "Health and Safety at the Workplace – Limit Values for Noise and Vibration".



The original PFERD Tool Manual!

With more than 7.500 innovative solutions for surface processing and cutting materials.

Request your own free personal copy at www.pferd.com.



Competence when working on stainless steel (INOX) and aluminium

PFERD offers a comprehensive range of tools that meets the requirements of processing stainless steel (INOX) and aluminium. We are happy to help solve your application problems.

The PFERD PRAXIS brochures "Tools for Use on Stainless Steel (INOX)" and "Tools for Use on Aluminium" contain many valuable application notes.



General purpose tool of hardness grade P. PFERD product characterized by aggressive abrasive performance and long tool life:

- fast,
- comfortable,
- minimized burr formation.

Abrasive: Aluminium oxide A

Workpiece materials:

Steel

Application:

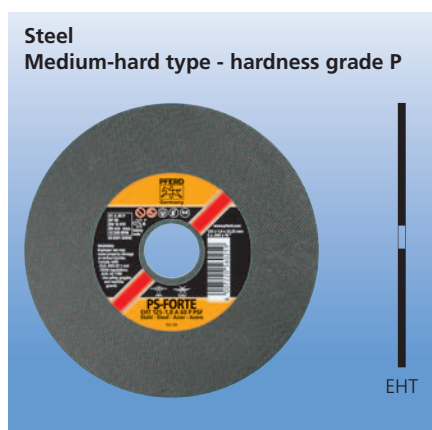
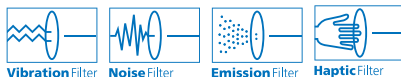
Cutting of steel metal and sections



Recommendation for use:

Disc thickness 1,0/1,6/1,9 mm for fast, convenient cutting with minimized burr formation.

Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76, page 5) increases the lateral stability and ensures precise disc guidance, in particular for thin cut-off wheels flat type, dia. 178 and 230 mm.



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
EHT 115-1,0 A 60 P PSF/22,23	560242	41 A 60 P BF 80	115 x 1,0 x 22,23 (7/8)	13.300	25	0,625
EHT 115-1,6 A 46 P PSF/22,23	538111	41 A 46 P BF 80	115 x 1,6 x 22,23 (7/8)	13.300	25	1,000
EHT 125-1,0 A 60 P PSF/22,23	560259	41 A 60 P BF 80	125 x 1,0 x 22,23 (7/8)	12.200	25	0,750
EHT 125-1,6 A 46 P PSF/22,23	538128	41 A 46 P BF 80	125 x 1,6 x 22,23 (7/8)	12.200	25	1,150
EHT 178-1,6 A 46 P PSF/22,23	581209	41 A 46 P BF 80	178 x 1,6 x 22,23 (7/8)	8.600	25	2,325
EHT 230-1,9 A 46 P PSF/22,23	581339	41 A 46 P BF 80	230 x 1,9 x 22,23 (7/8)	6.600	25	4,625

General purpose tool of hardness grade P-INOX. PFERD product for cutting with low heat input. Provides fast stock removal and long tool life:

- cool,
- fast,
- comfortable,
- minimized burr formation.

Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous and chlorinated fillers.

Workpiece materials:

Stainless steel (INOX)

Application:

Cutting of steel metal, sections and solid materials

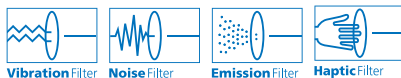
Recommendation for use:



Disc thickness 1,0/1,6/1,9 mm for the fast and convenient cutting of thin sheetmetal and profiles.

Disc thickness 1,2/1,8 mm are particularly suitable for the cost-effective cutting of profiles and solid materials.

Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76, page 5) increases the lateral stability and ensures precise disc guidance, in particular for thin cut-off wheels flat type, dia. 178 and 230 mm.



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
EHT 115-1,0 A 60 P PSF-INOX/22,23	560266	41 A 60 P BF 80	115 x 1,0 x 22,23 (7/8)	13.300	25	0,625
EHT 115-1,2 A 60 P PSF-INOX/22,23	810293	41 A 60 P BF 80	115 x 1,2 x 22,23 (7/8)	13.300	25	0,775
EHT 115-1,6 A 46 P PSF-INOX/22,23	538135	41 A 46 P BF 80	115 x 1,6 x 22,23 (7/8)	13.300	25	1,000
EHT 115-1,8 A 46 P PSF-INOX/22,23	810309	41 A 46 P BF 80	115 x 1,8 x 22,23 (7/8)	13.300	25	1,220
EHT 125-1,0 A 60 P PSF-INOX/22,23	560372	41 A 60 P BF 80	125 x 1,0 x 22,23 (7/8)	12.200	25	0,750
EHT 125-1,2 A 60 P PSF-INOX/22,23	810316	41 A 60 P BF 80	125 x 1,2 x 22,23 (7/8)	12.200	25	0,900
EHT 125-1,6 A 46 P PSF-INOX/22,23	538142	41 A 46 P BF 80	125 x 1,6 x 22,23 (7/8)	12.200	25	1,175
EHT 125-1,8 A 46 P PSF-INOX/22,23	810323	41 A 46 P BF 80	125 x 1,8 x 22,23 (7/8)	12.200	25	1,395
EHT 150-1,6 A 46 P PSF-INOX/22,23	581223	41 A 46 P BF 80	150 x 1,6 x 22,23 (7/8)	10.200	25	1,725
EHT 178-1,6 A 46 P PSF-INOX/22,23	581230	41 A 46 P BF 80	178 x 1,6 x 22,23 (7/8)	8.600	25	2,325
EHT 230-1,9 A 46 P PSF-INOX/22,23	581216	41 A 46 P BF 80	230 x 1,9 x 22,23 (7/8)	6.600	25	4,625

Performance tool in hardness grade S.
PFERD product with high cutting capabilities and excellent tool life:

- fast,
- comfortable,
- minimized burr formation.

Abrasive: Aluminium oxide A

Workpiece materials:

Steel

Application:

Cutting of steel metal and sections

Recommendation for use:

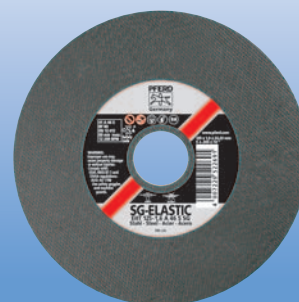
Disc thickness 1,0/1,6/1,9 mm for fast, convenient cutting with minimized burr formation.



Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76, page 5) increases the lateral stability and ensures precise disc guidance, in particular for thin cut-off wheels flat type, dia. 178 and 230 mm.



Steel
Hard type - hardness grade S



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
EHT 115-1,0 A 60 S SG/22,23	499719	41 A 60 S BF 80	115 x 1,0 x 22,23 (7/8)	13.300	25	0,625
EHT 115-1,6 A 46 S SG/22,23	522813	41 A 46 S BF 80	115 x 1,6 x 22,23 (7/8)	13.300	25	1,150
EHT 125-1,0 A 60 S SG/22,23	499740	41 A 60 S BF 80	125 x 1,0 x 22,23 (7/8)	12.200	25	0,750
EHT 125-1,6 A 46 S SG/22,23	522691	41 A 46 S BF 80	125 x 1,6 x 22,23 (7/8)	12.200	25	1,175
EHT 178-1,6 A 46 S SG/22,23	581155	41 A 46 S BF 80	178 x 1,6 x 22,23 (7/8)	8.600	25	2,325
EHT 230-1,9 A 46 S SG/22,23	581162	41 A 46 S BF 80	230 x 1,9 x 22,23 (7/8)	6.600	25	4,625

Performance tool in hardness grade R-INOX.
Improved PFERD product with high cutting capabilities and excellent tool life:

- cool,
- fast,
- comfortable,
- minimized burr formation.

Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous and chlorinated fillers.

Workpiece materials:

Stainless steel (INOX)

Application:

Cutting of steel metal, sections and solid materials

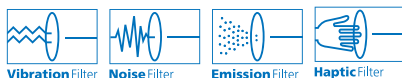
Recommendation for use:

Disc thickness 1,0/1,6/1,9 mm for the fast and convenient cutting of thin sheetmetal and profiles.

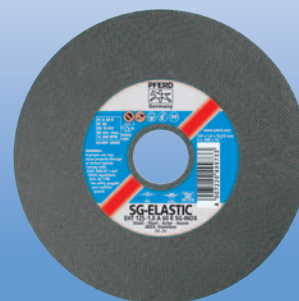
Disc thickness 1,2/1,8/2,0 mm are particularly suitable for the cost-effective cutting of profiles and solid materials.



Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76, page 5) increases the lateral stability and ensures precise disc guidance, in particular for thin cut-off wheels flat type, dia. 178 and 230 mm.



INOX
Hard type - hardness grade R



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
EHT 100-1,0 A 60 R SG-INOX/16,0	511787	41 A 60 R BF 80	100 x 1,0 x 16,0 (5/8)	15.300	25	0,550
EHT 115-1,0 A 60 R SG-INOX/22,23	499702	41 A 60 R BF 80	115 x 1,0 x 22,23 (7/8)	13.300	25	0,625
EHT 115-1,2 A 60 R SG-INOX/22,23	810330	41 A 60 R BF 80	115 x 1,2 x 22,23 (7/8)	13.300	25	0,775
EHT 115-1,6 A 46 R SG-INOX/22,23	355442	41 A 46 R BF 80	115 x 1,6 x 22,23 (7/8)	13.300	25	1,100
EHT 115-1,8 A 46 R SG-INOX/22,23	810354	41 A 46 R BF 80	115 x 1,8 x 22,23 (7/8)	13.300	25	1,220
EHT 125-1,0 A 60 R SG-INOX/22,23	499733	41 A 60 R BF 80	125 x 1,0 x 22,23 (7/8)	12.200	25	0,750
EHT 125-1,2 A 60 R SG-INOX/22,23	810361	41 A 60 R BF 80	125 x 1,2 x 22,23 (7/8)	12.200	25	0,900
EHT 125-1,6 A 46 R SG-INOX/22,23	355459	41 A 46 R BF 80	125 x 1,6 x 22,23 (7/8)	12.200	25	1,225
EHT 125-1,8 A 46 R SG-INOX/22,23	810378	41 A 46 R BF 80	125 x 1,8 x 22,23 (7/8)	12.200	25	1,395
EHT 150-1,6 A 46 R SG-INOX/22,23	581179	41 A 46 R BF 80	150 x 1,6 x 22,23 (7/8)	10.200	25	1,725
EHT 178-1,6 A 46 R SG-INOX/22,23	807729	41 A 46 R BF 80	178 x 1,6 x 22,23 (7/8)	8.600	25	2,325
EHT 178-1,8 A 46 R SG-INOX/22,23	581186	41 A 46 R BF 80	178 x 1,8 x 22,23 (7/8)	8.600	25	2,500
EHT 230-1,9 A 46 R SG-INOX/22,23	807736	41 A 46 R BF 80	230 x 1,9 x 22,23 (7/8)	6.600	25	4,050
EHT 230-2,0 A 46 R SG-INOX/22,23	581193	41 A 46 R BF 80	230 x 2,0 x 22,23 (7/8)	6.600	25	4,625

Performance tool in hardness grade N-Alu.
Non-loading PFERD product characterized by high cutting performance and very long tool life:

- fast,
- comfortable,
- minimized burr formation.

Abrasive: Aluminium oxide A

Contains no fillers which might leave an undesirable surface residue. The workpiece can be welded right away, without any further treatment.

Workpiece materials:

Tough and hard aluminium, non-ferrous metals

Application:

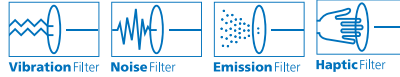
Cutting of metal and sheet profiles

Recommendation for use:

Disc thickness 1,0/1,6 mm for fast, convenient cutting with minimized burr formation.



Suitable for angle grinders of all output levels.

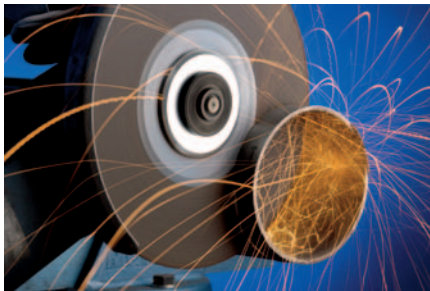
The use of large clamping flanges (SFS 76, page 5) increases the lateral stability and ensures precise disc guidance, in particular for thin cut-off wheels flat type, dia. 178 mm.



**Aluminium/non-ferrous metals
Soft type - hardness grade N**



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. zul. Drehzahl [min ⁻¹]		
N! EHT 100-1,0 A 60 N SG-ALU/16,0	885222	41 A 60 N BF 80	100 x 1,0 x 16,0 (5/8)	15.300	25	0,550
EHT 115-1,0 A 60 N SG-ALU/22,23	804964	41 A 60 N BF 80	115 x 1,0 x 22,23 (7/8)	13.300	25	0,625
EHT 115-1,6 A 46 N SG-ALU/22,23	804988	41 A 46 N BF 80	115 x 1,6 x 22,23 (7/8)	13.300	25	1,000
EHT 125-1,0 A 60 N SG-ALU/22,23	804995	41 A 60 N BF 80	125 x 1,0 x 22,23 (7/8)	12.200	25	0,750
EHT 125-1,6 A 46 N SG-ALU/22,23	805008	41 A 46 N BF 80	125 x 1,6 x 22,23 (7/8)	12.200	25	1,200
EHT 178-1,6 A 46 N SG-ALU/22,23	805015	41 A 46 N BF 80	178 x 1,6 x 22,23 (7/8)	8.600	25	2,325

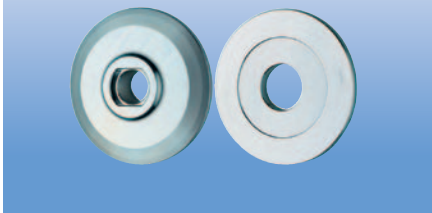


Special flange dia. 76 mm for drive spindles M14. Accessories for increasing the lateral stability and improving the power transmission on cut-off wheels. PFERD design made of high-quality tool steel.

Recommendation for use:

The use of large clamping flanges (SFS 76) increases the lateral stability and ensures accurate disc guidance, in particular for thin cut-off wheels in straight design dia. 178 and 230 mm.

**Clamping flange set
for cut-off wheels**



Order No.	EAN 4007220	Flange diameter [mm]		
SFS 76	595275	76	1	0,370



The Thin Wheels from PFERD

Special Line SG-PLUS



Extremely resistant high-performance tool of hardness grade T.

Improved PFERD product providing unsurpassed cutting performance and exceptional tool life:

- fast,
- comfortable,
- minimized burr formation.

Abrasive: Aluminium oxide A

Workpiece materials:

Steel

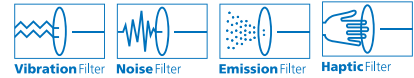
Application:



Cutting of metal and sheet profiles

Recommendation for use:

Disc thickness 1,0 mm for fast, convenient cutting action and maximum tool life while minimized burr formation.

Best cutting results on air turbine grinders and high-performance electric angle grinders.



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
EHT 115-1,0 A 60 T SGP/22,23	538043	41 A 60 T BF 80	115 x 1,0 x 22,23 (7/8)	13.300	25	0,625
EHT 125-1,0 A 60 T SGP/22,23	538050	41 A 60 T BF 80	125 x 1,0 x 22,23 (7/8)	12.200	25	0,750



Extremely resistant high-performance tool of hardness grade S-INOX.

Improved PFERD product providing unsurpassed cutting performance and exceptional tool life:

- cool,
- fast,
- comfortable,
- minimized burr formation.

Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous and chlorinated fillers.

Workpiece materials:

Stainless steel (INOX)

Application:

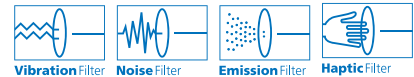
Cutting of metal and sheet profiles



Recommendation for use:

Disc thickness 0,8/1,0/1,6/1,9 mm for fast, convenient cutting action and maximum tool life while minimized burr formation.

Best cutting results on air turbine grinders and high-performance electric angle grinders.

The use of large clamping flanges (SFS 76, page 5) increases the lateral stability and ensures precise disc guidance, in particular for thin cut-off wheels flat type, dia. 178 and 230 mm.



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
N! EHT 100-0,8 A 60 S SGP-INOX X-SLIM/16,0	845103	41 A 60 S BF 80	100 x 0,8 x 16,0 (5/8)	15.300	25	0,425
EHT 100-1,0 A 60 S SGP-INOX/16,0	538067	41 A 60 S BF 80	100 x 1,0 x 16,0 (5/8)	15.300	25	0,550
N! EHT 115-0,8 A 60 S SGP-INOX X-SLIM/22,23	835357	41 A 60 S BF 80	115 x 0,8 x 22,23 (7/8)	13.300	25	0,500
EHT 115-1,0 A 60 S SGP-INOX/22,23	538074	41 A 60 S BF 80	115 x 1,0 x 22,23 (7/8)	13.300	25	0,625
EHT 115-1,6 A 46 S SGP-INOX/22,23	538081	41 A 46 S BF 80	115 x 1,6 x 22,23 (7/8)	13.300	25	1,000
N! EHT 125-0,8 A 60 S SGP-INOX X-SLIM/22,23	835364	41 A 60 S BF 80	125 x 0,8 x 22,23 (7/8)	12.200	25	0,625
EHT 125-1,0 A 60 S SGP-INOX/22,23	538098	41 A 60 S BF 80	125 x 1,0 x 22,23 (7/8)	12.200	25	0,750
EHT 125-1,6 A 46 S SGP-INOX/22,23	538104	41 A 46 S BF 80	125 x 1,6 x 22,23 (7/8)	12.200	25	1,175
EHT 178-1,6 A 46 S SGP-INOX/22,23	357873	41 A 46 S BF 80	178 x 1,6 x 22,23 (7/8)	8.600	25	2,350
EHT 230-1,9 A 46 S SGP-INOX/22,23	522776	41 A 46 S BF 80	230 x 1,9 x 22,23 (7/8)	6.600	25	4,625

N! New in addition to the Tool Manual 21

N! New 2012