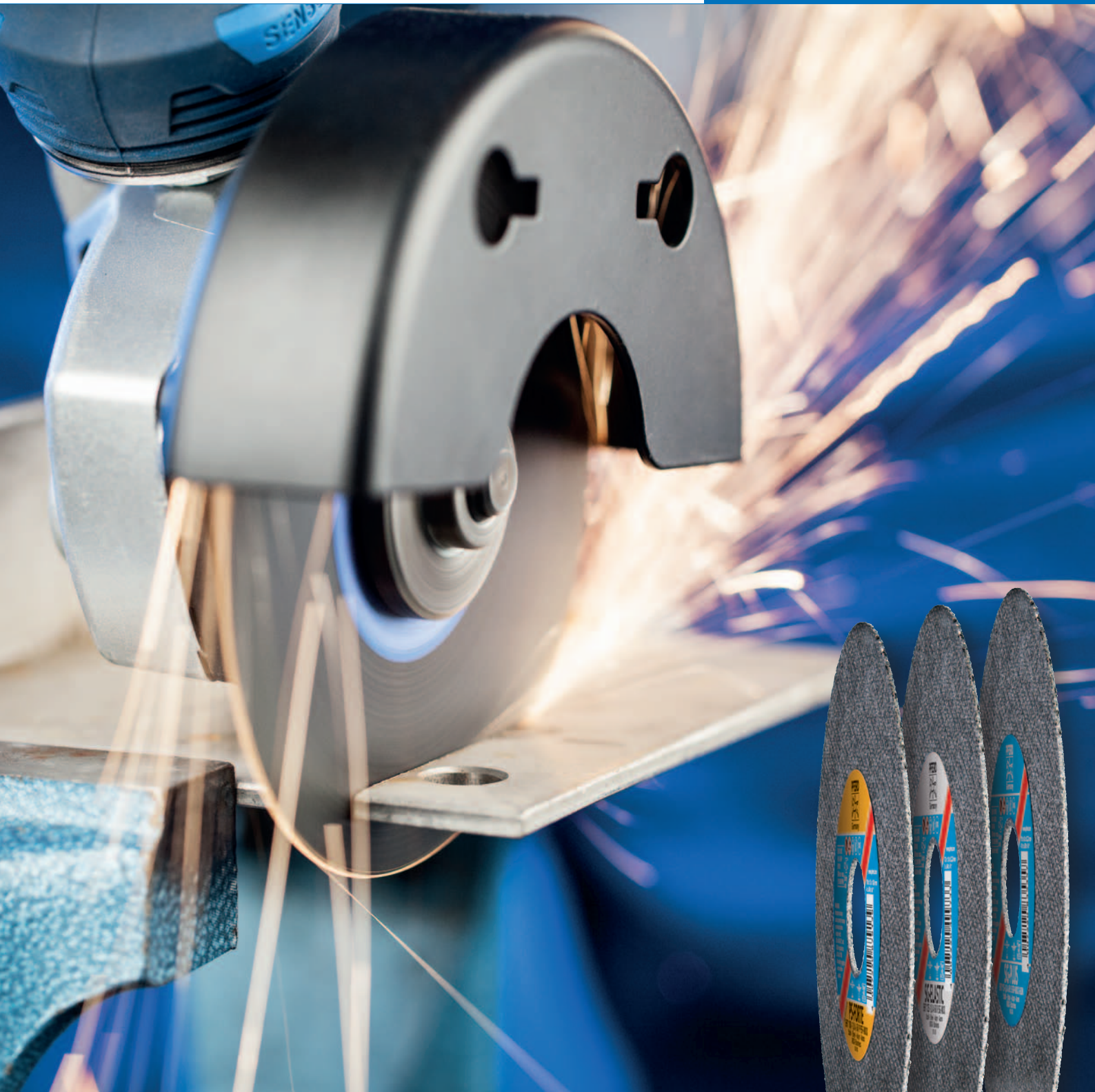


# The thin wheels from PFERD

Cutting more!



**TRUST BLUE**

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

# The thin wheels from PFERD

## Cutting more!

### Thin cut-off wheels

In all our thin cut-off wheels product lines, PFERD has produced a noticeable performance increase for the user:

- Thinner, faster cutting with little burr formation
- Highest possible economic value
- Comfortable and safe

PFERD thin cut-off wheels are characterized by their special bond formulation.

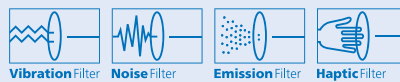
Intensive research, development and targeted implementation in state-of-the-art production facilities guarantee our high quality and safety standards.

In addition to the high quality standards, health and safety as well as ergonomics play a prominent role at PFERD.

### PFERDERGONOMICS®

PFERDERGONOMICS® recommends the thin cut-off wheels to sustainably reduce vibration, noise and dust levels during use and to improve working comfort.

The range of thin cut-off wheels (< 2 mm) made by PFERD will help to improve the working conditions of the user significantly. The tools are characterized by reduced noise values, reduced vibrations under 5 m/s<sup>2</sup> (according to ISO 5349-1+2) and less dust. Working with the exceptionally aggressive and fast PFERD cut-off wheels allows cool cutting with little burr formation and unsurpassed comfort.



### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)

### Product lines

For the many different cutting tasks in industry and crafts, PFERD offers thin cut-off wheels in three product lines with diverse special features:

#### Universal Line PS-FORTE (PSF)



For general use in industry and crafts

#### Performance Line SG-ELASTIC (SG)



Widest range of tools for professional use in industry and crafts

#### Special Line SG-PLUS (SGP)



For special tasks in the industry

### Cut-off wheels for cordless angle grinders

Thin cut-off wheels of width 1.0 mm are ideally suitable for modern cordless angle grinders due to their narrow width, their superior cutting characteristics and optimum guidability. They guarantee more cuts per battery charge, which is why they are very economical.



### The most important PFERD tool: The 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](http://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" and "Tools for Use on Aluminium" contain many valuable application notes.



Medium-hard, multipurpose tool of hardness P with high cutting performance and long tool life.

**Abrasive: Aluminium oxide A**

**Materials to be worked:**

Steel

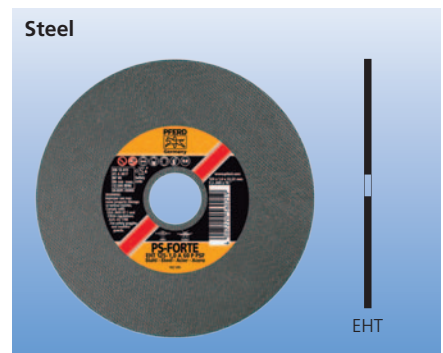
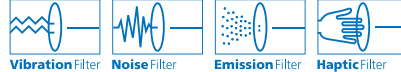
**Applications:**


Cutting of sheet metal, profiles and solid material

**Recommendations for use:**

- For fast, easy cutting with minimized burr formation
- Suitable for use on angle grinders of all output categories
- The use of large clamping flanges (SFS 76, page 4) increases the lateral stability and ensures precise wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 and 230 mm

**PFERDERGONOMICS®:**



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
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
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
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
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
EHT 150-1,6 A 46 P PSF/22,23	953341	41 A 46 P BF 80	150 x 1.6 x 22.23 (7/8)	10,200	25
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
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

Medium-hard, multipurpose tool of hardness P (INOX) with high cutting performance and long tool life, for reduced heat build-up during cutting.

**Abrasive: Aluminium oxide A**

Manufactured without addition of ferrous, chlorinated and sulphurous fillers.

**Materials to be worked:**

Stainless steel (INOX)

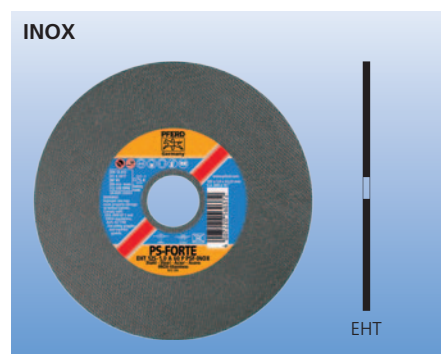
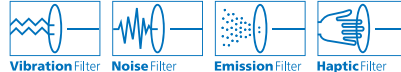
**Applications:**


Cutting of sheet metal, profiles and solid material

**Recommendations for use:**

- For fast, easy cutting with minimized burr formation
- Suitable for use on angle grinders of all output categories
- The use of large clamping flanges (SFS 76, page 4) increases the lateral stability and ensures precise wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 and 230 mm

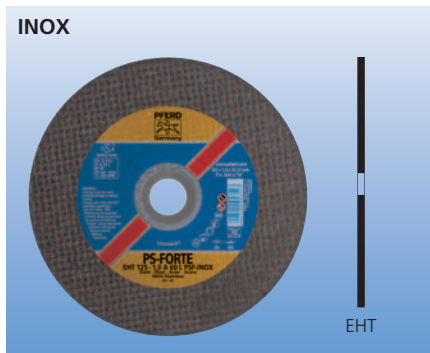
**PFERDERGONOMICS®:**



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
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
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
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
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
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
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
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

# The thin wheels from PFERD

## Universal Line PS-FORTE



Soft, multipurpose tool of hardness L with high cutting performance and long tool life, for reduced heat build-up during cutting.

**Abrasive: Aluminium oxide A**  
Manufactured without addition of ferrous, chlorinated and sulphurous fillers.

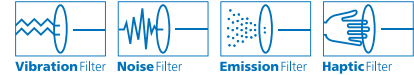
**Materials to be worked:**  
Stainless steel (INOX)

**Applications:**  
Cutting of sheet metal, profiles and solid material

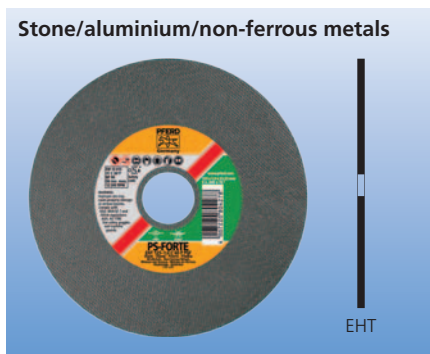
**Recommendations for use:**

- For fast, easy cutting with minimized burr formation
- Suitable for use on angle grinders of all output categories

**PFERDERGONOMICS®:**



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
EHT 115-1,0 A 60 L PSF-INOX/22,23	957400	41 A 60 L BF 80	115 x 1.0 x 22.23 (7/8)	13,300	25
EHT 115-1,6 A 46 L PSF-INOX/22,23	957516	41 A 46 L BF 80	115 x 1.6 x 22.23 (7/8)	13,300	25
EHT 125-1,0 A 60 L PSF-INOX/22,23	957523	41 A 60 L BF 80	125 x 1.0 x 22.23 (7/8)	12,200	25
EHT 125-1,6 A 46 L PSF-INOX/22,23	957530	41 A 46 L BF 80	125 x 1.6 x 22.23 (7/8)	12,200	25



Medium-hard, multipurpose tool of hardness P (C) with high cutting performance and long tool life.

**Abrasive: Silicon carbide C**

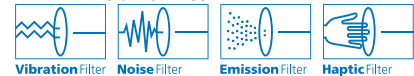
**Materials to be worked:**  
Natural stone, synthetic stone, fire-resistant stone, aluminium, non-ferrous metals

**Applications:**  
Cutting of solid material

**Recommendations for use:**

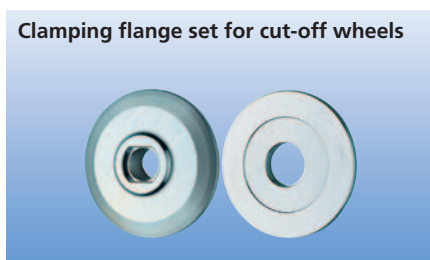
- For fast, easy cutting with minimized burr formation
- Suitable for use on angle grinders of all output categories

**PFERDERGONOMICS®:**



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
EHT 115-1,0 C 60 P PSF/22,23	669310	41 C 60 P BF 80	115 x 1.0 x 22.23 (7/8)	13,300	25
EHT 115-1,6 C 46 P PSF/22,23	669297	41 C 46 P BF 80	115 x 1.6 x 22.23 (7/8)	13,300	25
EHT 125-1,0 C 60 P PSF/22,23	804278	41 C 60 P BF 80	125 x 1.0 x 22.23 (7/8)	12,200	25
EHT 125-1,6 C 46 P PSF/22,23	804308	41 C 46 P BF 80	125 x 1.6 x 22.23 (7/8)	12,200	25

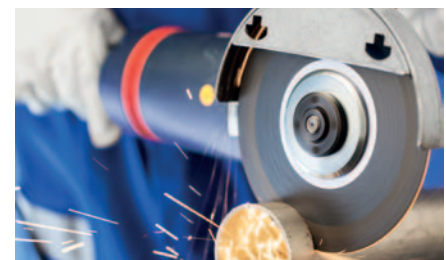
## Clamping flanges



Special flange dia. 76 mm of tool steel for drive spindles M14 or 5/8". Increases lateral stability and improves power transmission on cut-off wheels.

**Recommendations for use:**

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



Description	EAN 4007220	Flange dia. [mm]	
SFS 76 M14	595275	76	1
SFS 76 5/8"	895856	76	1

Hard, high-performance tool of hardness S with high cutting performance and very long tool life.

**Abrasive: Aluminium oxide A**

**Materials to be worked:**

Steel

**Applications:**


Cutting of sheet metal, profiles and solid material

**Recommendations for use:**

- For fast, easy cutting with minimized burr formation
- Suitable for use on angle grinders of all output categories
- The use of large clamping flanges (SFS 76, page 4) increases the lateral stability and ensures precise wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 and 230 mm

PFERDERGONOMICS®:



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
EHT 105-1,0 A 60 S SG/16,0	953358	41 A 60 S BF 80	105 x 1.0 x 16.0 (5/8)	14,500	25
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
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
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
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
EHT 150-1,6 A 46 S SG/22,23	953365	41 A 46 S BF 80	150 x 1.6 x 22.23 (7/8)	10,200	25
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
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

Hard, high-performance tool of hardness R (INOX) with high cutting performance and very long tool life for reduced heat build-up during cutting.

**Abrasive: Aluminium oxide A**

Manufactured without addition of ferrous, chlorinated and sulphurous fillers.

**Materials to be worked:**

Stainless steel (INOX)

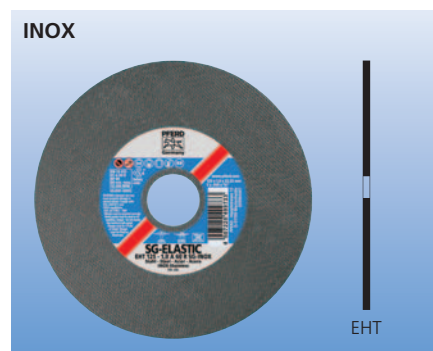
**Applications:**


Cutting of sheet metal, profiles and solid material

**Recommendations for use:**

- For fast, easy cutting with minimized burr formation
- Suitable for use on angle grinders of all output categories
- The use of large clamping flanges (SFS 76, page 4) increases lateral stability and ensures accurate wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 and 230 mm

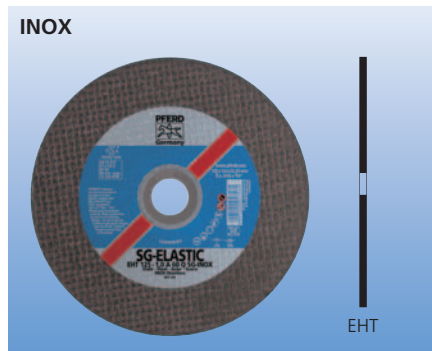
PFERDERGONOMICS®:



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
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
EHT 105-1,0 A 60 R SG-INOX/16,0	953372	41 A 60 R BF 80	105 x 1.0 x 16.0 (5/8)	14,500	25
EHT 105-1,3 A 60 R SG-INOX/16,0	953396	41 A 60 R BF 80	105 x 1.3 x 16.0 (5/8)	14,500	25
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
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
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
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
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
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
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

# The thin wheels from PFERD

## Performance Line SG-ELASTIC



Medium-hard, high-performance tool of hardness Q (INOX) with high cutting performance and long tool life.

**Abrasives: Aluminium oxide A**

Manufactured without addition of ferrous, chlorinated and sulphurous fillers.

**Materials to be worked:**

Stainless steel (INOX)

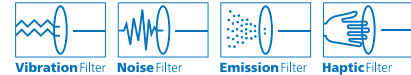
**Applications:**

Cutting of sheet metal, profiles and solid material

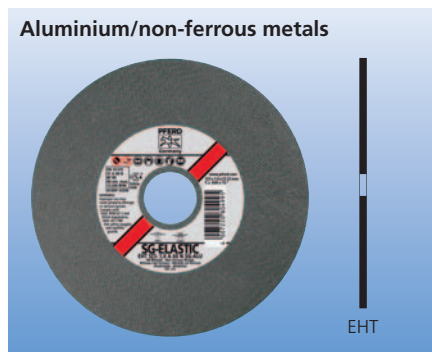
**Recommendations for use:**

- For fast, easy cutting with minimized burr formation
- For use on angle grinders of all output categories
- The use of large clamping flanges (SFS 76, page 4) increases lateral stability and ensures accurate wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 mm.

**PFERDERGONOMICS®:**



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
EHT 115-1,0 A 60 Q SG-INOX/22,23	957547	41 A 60 Q BF 80	115 x 1.0 x 22.23 (7/8)	13,300	25
EHT 115-1,6 A 46 Q SG-INOX/22,23	957554	41 A 46 Q BF 80	115 x 1.6 x 22.23 (7/8)	13,300	25
EHT 125-1,0 A 60 Q SG-INOX/22,23	957561	41 A 60 Q BF 80	125 x 1.0 x 22.23 (7/8)	12,200	25
EHT 125-1,6 A 46 Q SG-INOX/22,23	957578	41 A 46 Q BF 80	125 x 1.6 x 22.23 (7/8)	12,200	25
EHT 178-1,6 A 46 Q SG-INOX/22,23	957585	41 A 46 Q BF 80	178 x 1.6 x 22.23 (7/8)	8,600	25



Soft, high-performance tool of hardness N with high cutting performance and very long tool life.

Contains no fillers that could leave undesirable residues on the workpiece. The surface can therefore be welded immediately.

**Abrasive: Aluminium oxide A**

**Materials to be worked:**

Tough and hard aluminium, non-ferrous metals

**Applications:**

Cutting of sheet metal, profiles and solid material

**Recommendations for use:**

- For fast, easy cutting with minimized burr formation
- Suitable for use on angle grinders of all output categories
- The use of large clamping flanges (SFS 76, page 4) increases the lateral stability and ensures accurate wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 mm

**PFERDERGONOMICS®:**



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
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
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
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
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
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
EHT 150-1,6 A 46 N SG-ALU/22,23	953426	41 A 46 N BF 80	150 x 1.6 x 22.23 (7/8)	10,200	25
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

Very hard, extremely resistant high-performance tool of hardness T with very high cutting performance and outstanding tool life.

**Abrasive: Aluminium oxide A**

**Materials to be worked:**

Steel

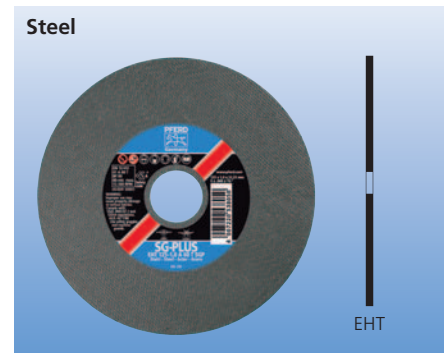
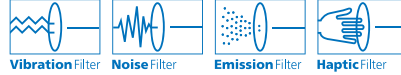
**Applications:**


Cutting of sheet metal, profiles and solid material

**Recommendations for use:**

- For fast, easy cutting with minimized burr formation
- Achieves best cutting results on high-performance angle grinders

**PFERDERGONOMICS®:**



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
EHT 105-1,0 A 60 T SGP/16,0	953440	41 A 60 T BF 80	105 x 1.0 x 16.0 (5/8)	14,500	25
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
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
EHT 150-1,6 4 46 T SGP/22,23	953457	41 A 46 T BF 80	150 x 1.6 x 22.23 (7/8)	10,200	25

Hard, extremely resistant high-performance tool of hardness S (INOX) with very high cutting performance and outstanding tool life.

**Abrasive: Aluminium oxide A**

Manufactured without addition of ferrous, chlorinated or sulphurous fillers.

**Materials to be worked:**

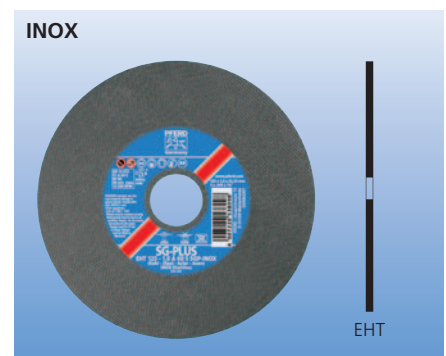
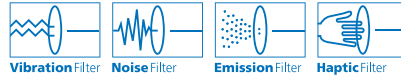
Stainless steel (INOX)


**Applications:**

Cutting of sheet metal, profiles and solid material

- Wheel thicknesses 1.9/1.6/1.0 mm for cool, fast, convenient cutting with minimized burr formation and maximum tool life
- Achieves best cutting results on high-performance angle grinders
- Disc thickness 1.0 mm, ideal for use on battery-powered angle grinders
- The use of large clamping flanges (SFS 76, page 4) increases the lateral stability and ensures accurate wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 and 230 mm

**PFERDERGONOMICS®:**



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
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
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
EHT 105-0,8 A 60 S SGP-INOX X-SLIM/16,0	953464	41 A 60 S BF 80	105 x 0.8 x 16.0 (5/8)	14,500	25
EHT 105-1,0 A 60 S SGP-INOX/16,0	953471	41 A 60 S BF 80	105 x 1.0 x 16.0 (5/8)	14,500	25
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
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
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
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
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
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
EHT 150-1,6 A 46 S SGP-INOX/22,23	953488	41 A 46 S BF 80	150 x 1.6 x 22.23 (7/8)	10,200	25
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
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

