



The wide product range of cut-off wheels offers the best solution for every application.

PFERD cut-off wheels are used where there are high demands on economic value and the quality of the work results.



Product lines

For the many different cutting tasks in industry and crafts, PFERD offers 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

The fast way to the best tool

Starting with the application ❶ and material ❷, the overview shows the various types of tools in the PFERD range and helps you to find the best tool. For notes on tool drives, please refer to the respective catalogue page.

❶ Application	❷ Material		Steel		Stainless steel (INOX)		Aluminium/ non-ferrous metals		Casting scale/ cast iron		Cast iron/stone	
	Type	Page	Type	Page	Type	Page	Type	Page	Type	Page	Type	Page
Cutting of sheet metal and thin-walled profiles < 3 mm	PS-FORTE		PS-FORTE		PS-FORTE							
	Hardness P	48	Hardness L	49	Hardness P (INOX)	49	SG-ELASTIC					
	SG-ELASTIC		SG-ELASTIC		SG-ELASTIC		Hardness P (C)	50				
	Hardness S	51	Hardness R (INOX)	52	PS-FORTE		Hardness N	54				
	Hardness P	56	Hardness Q (INOX)	53	SG-PLUS							
Cutting of solid material and profiles	SG-PLUS		SG-PLUS		SG-PLUS							
	Hardness T	60	Hardness S (INOX)	61	PS-FORTE		PS-FORTE		SG-ELASTIC		PS-FORTE	
			Hardness L	49	Hardness P (INOX)	49	Hardness P (C)	50	Hardness P (CAST)	62	Hardness P (C)	50
			SG-ELASTIC		SG-ELASTIC		SG-ELASTIC		Hardness Q (CAST)	63	SG-ELASTIC	
			Hardness R (INOX)	52	Hardness Q (INOX)	53	Hardness N	54	SG-PLUS		Hardness R (C)	55, 59
			Hardness Q (INOX-CAST)	62	SG-PLUS		Hardness R (C)	55	Hardness Q (CAST)	63	Hardness Q	59
			Hardness S (INOX)	61								

You will find the combination abrasive DUODISC® for cutting and light deburring on page 12.

PFERD description
EHT 178-1,6 A 46 Q SG-INOX/22.23
❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾

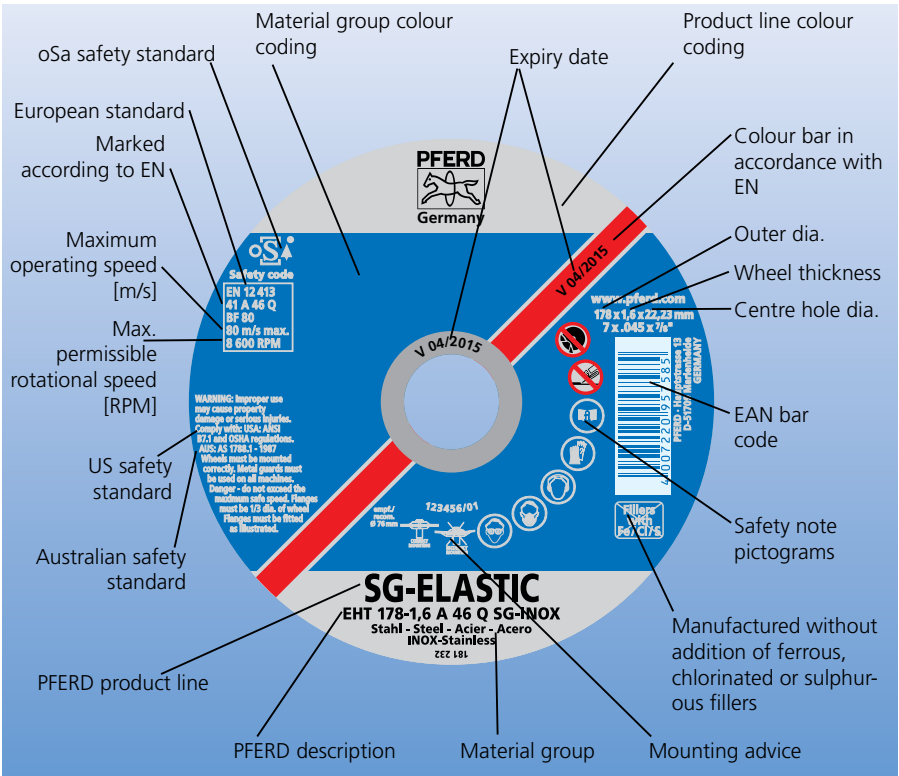
- ❶ **Description and shape of the tool**
EHT = Flat type
EH = Depressed-centre type
- ❷ **Outer diameter**
Outer dia. D in [mm]
- ❸ **Wheel thickness**
Width T or U in [mm]
- ❹ **Abrasive**
A = Aluminium oxide
AC = Aluminium oxide/silicon carbide
C = Silicon carbide
ZA = Zirconia alumina/aluminium oxide
- ❺ **Grit size according to ISO 8486**
- ❻ **Hardness grade (wheel properties)**

Hardness grade	Wheel properties	Material groups
Universal Line PS-FORTE (PSF)		
L	soft	Stainless steel (INOX)
P	medium-hard	Steel, stainless steel (INOX), stone
Performance Line SG-ELASTIC (SG)		
N	soft	Aluminium, non-ferrous metals
P	medium-hard	Steel, stainless steel (INOX), cast iron, non-ferrous metals
Q	medium-hard	Stainless steel (INOX), INOX cast, cast iron
R	hard	Stainless steel (INOX), stone
S	hard	Steel
Special Line SG-PLUS (SGP)		
Q	medium-hard	INOX cast
S	hard	Stainless steel (INOX)
T	very hard	Steel

- ❼ **PFERD product lines**
Universal Line PS-FORTE (PSF)
Performance Line SG-ELASTIC (SG)
Special Line SG-PLUS (SGP)
- ❽ **Material group**
See also point 6
- ❾ **Centre hole diameter**
Centre hole dia. H in [mm]

Designation according to EN 12413
41 A 46 R BF 80
❶ ❷ ❸ ❹ ❺ ❻

- ❶ **Designation and shape of the tool**
41 = Flat cut-off wheel
42 = Depressed-centre cut-off wheel
- ❷ **Abrasives**
A = Aluminium oxide
C = Silicon carbide
AC = Aluminium oxide/silicon carbide
ZA = Zirconia alumina/aluminium oxide
- ❸ **Grit size according to ISO 8486**
- ❹ **Hardness (wheel properties)**
Abrasive hardness grades are classified using letters in increasing alphabetical order from the softest to hardest (A to Z).
- ❺ **Bond**
BF = Fibre-reinforced resinoid bond with cloth
- ❻ **Maximum operating speed in [m/s]**



Colour coding for the three product lines

Universal Line PS-FORTE (PSF)

Performance Line SG-ELASTIC (SG)

Special Line SG-PLUS (SGP)

Colour coding of the materials to be worked

Universal Line PS-FORTE (PSF)			Performance Line SG-ELASTIC (SG)			Special Line SG-PLUS (SGP)		
Material = Colour		Page	Material = Colour		Page	Material = Colour		Page
Steel = black		48	Steel = black		51, 58	Steel = black		60
Stainless steel (INOX) = blue		49	Stainless steel (INOX) = blue		52, 53	Stainless steel (INOX) = blue		61
Non-ferrous metals/aluminium/stone = silver/green		50	Non-ferrous metals/aluminium = silver		54	Cast iron = red		63
			Cast iron = red		63			
			Steel/cast iron = black/red		62			
			Cast INOX = blue/red		62			
			Stone/cast iron = green/red		59			
			Stone = green		55, 59			



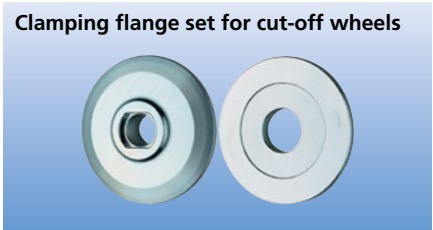
Medium-hard, multipurpose tool of hardness P with high cutting performance and long tool life.
Abrasive: Aluminium oxide A
Materials to be worked: Steel
Applications: Cutting of sheet metal, profiles and solid material
Recommendations for use: Wheel thicknesses 1.9/1.6/1.0 mm for fast, easy cutting with minimized burr formation

- Wheel thicknesses 3.2/3.0 mm for maximum tool life and high lateral stability
Suitable for use on angle grinders of all output categories
Use of large clamping flanges (SFS 76, page 48) 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®: Thin cut-off wheels < 2.0 mm:
VibrationFilter NoiseFilter EmissionFilter HapticFilter

Table with 6 columns: Description, EAN 4007220, EN designation, D x T/U x H [mm (inch)], Max. perm. speed [RPM], and a box icon. It lists various flat type EHT and depressed-centre type EH cut-off wheels with their specifications.

Clamping flange



Special flange dia. 76 mm for drive spindles M14 or 5/8" of tool steel. 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



Table with 4 columns: Description, EAN 4007220, Flange dia. [mm], and a box icon. It lists clamping flange sets SFS 76 M14 and SFS 76 5/8".

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
Materials to be worked: Stainless steel (INOX)
Applications: Cutting of sheet metal, profiles and solid material
Recommendations for use: Wheel thicknesses 1.9/1.6/1.0 mm for fast, easy cutting with minimized burr formation

- Wheel thicknesses 2.5/2.4 mm for multipurpose cutting work
Wheel thickness 3.2 mm for maximum tool life and high lateral stability
Suitable for use on angle grinders of all output categories
The use of large clamping flanges (SFS 76, page 48) 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®: Thin cut-off wheels < 2.0 mm:
VibrationFilter NoiseFilter EmissionFilter HapticFilter

Table with 6 columns: Description, EAN 4007220, EN designation, D x T/U x H [mm (inch)], Max. perm. speed [RPM], and a box icon. It lists various flat type EHT and depressed-centre type EH cut-off wheels for stainless steel (INOX).

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
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®: Thin cut-off wheels < 2.0 mm:
VibrationFilter NoiseFilter EmissionFilter HapticFilter

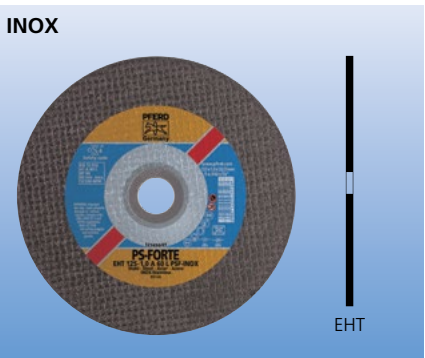


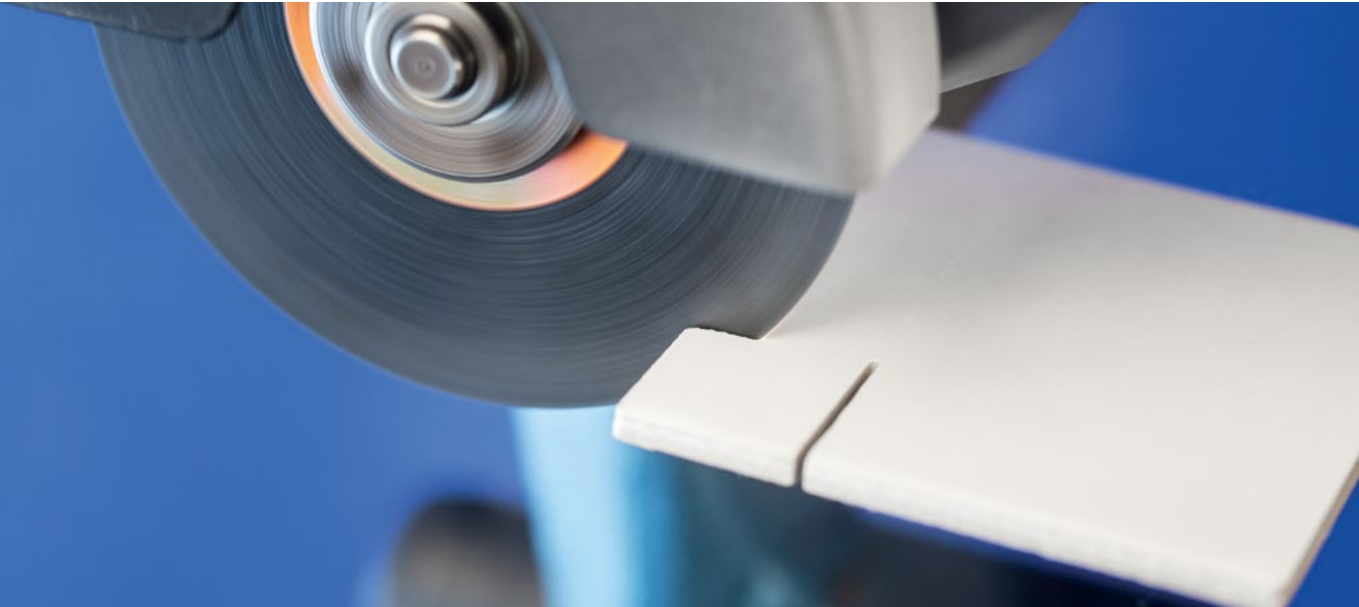
Table with 6 columns: Description, EAN 4007220, EN designation, D x T/U x H [mm (inch)], Max. perm. speed [RPM], and a box icon. It lists various flat type EHT cut-off wheels for stainless steel (INOX).



Stone/aluminium/non-ferrous metals
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: Wheel thicknesses 1.6/1.0 mm for fast, easy cutting with minimized burr formation

Wheel thickness 2.4 mm for multipurpose cutting work
Wheel thicknesses 3.2/3.0 mm for maximum tool life with high lateral stability
Suitable for use on angle grinders of all output categories
PFERDERGONOMICS®: Thin cut-off wheels < 2.0 mm: VibrationFilter, NoiseFilter, EmissionFilter, HapticFilter

Table with 6 columns: Description, EAN 4007220, EN designation, D x T/U x H [mm (inch)], Max. perm. speed [RPM], and a box icon. It lists various cut-off wheel models under Flat type EHT (shape 41) and Depressed-centre type EH (shape 42).



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: Wheel thicknesses 1.9/1.6/1.0 mm for fast, easy cutting with minimized burr formation; Wheel thickness 2.4 mm for multipurpose cutting work

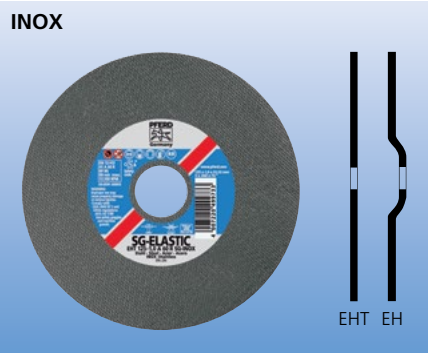
Wheel thicknesses 3.2/3.0/2.9 mm for maximum tool life with high lateral stability
Suitable for use on angle grinders of all output categories
The use of large clamping flanges (SFS 76, page 48) increases the lateral stability and ensures precise wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 and 230 mm
PFERDERGONOMICS®: Thin cut-off wheels < 2.0 mm: VibrationFilter, NoiseFilter, EmissionFilter, HapticFilter



Table with 6 columns: Description, EAN 4007220, EN designation, D x T/U x H [mm (inch)], Max. perm. speed [RPM], and a box icon. It lists various cut-off wheel models under Flat type EHT (shape 41) and Depressed-centre type EH (shape 42).

QR code and text: PFERDVIDEO. You will receive more information here or at www.pferd.com





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:
■ Wheel thicknesses 1.9/1.6/1.0 mm for fast, easy cutting with minimized burr formation

- Wheel thicknesses 2.5/2.4/2.0 mm for multi-purpose cutting work
- Wheel thickness 3.2 mm for maximum tool life with high lateral stability
- Suitable for use on angle grinders of all output categories
- The use of large clamping flanges (SFS 76, page 48) 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®:
Thin cut-off wheels < 2.0 mm:



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.

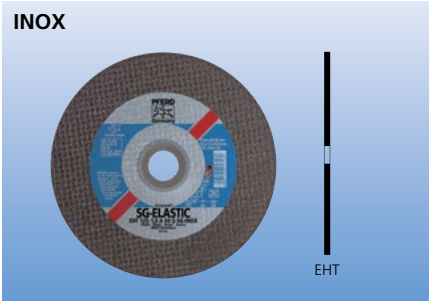
Materials to be worked:
Stainless steel (INOX)

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 48) 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®:
Thin cut-off wheels < 2.0 mm:



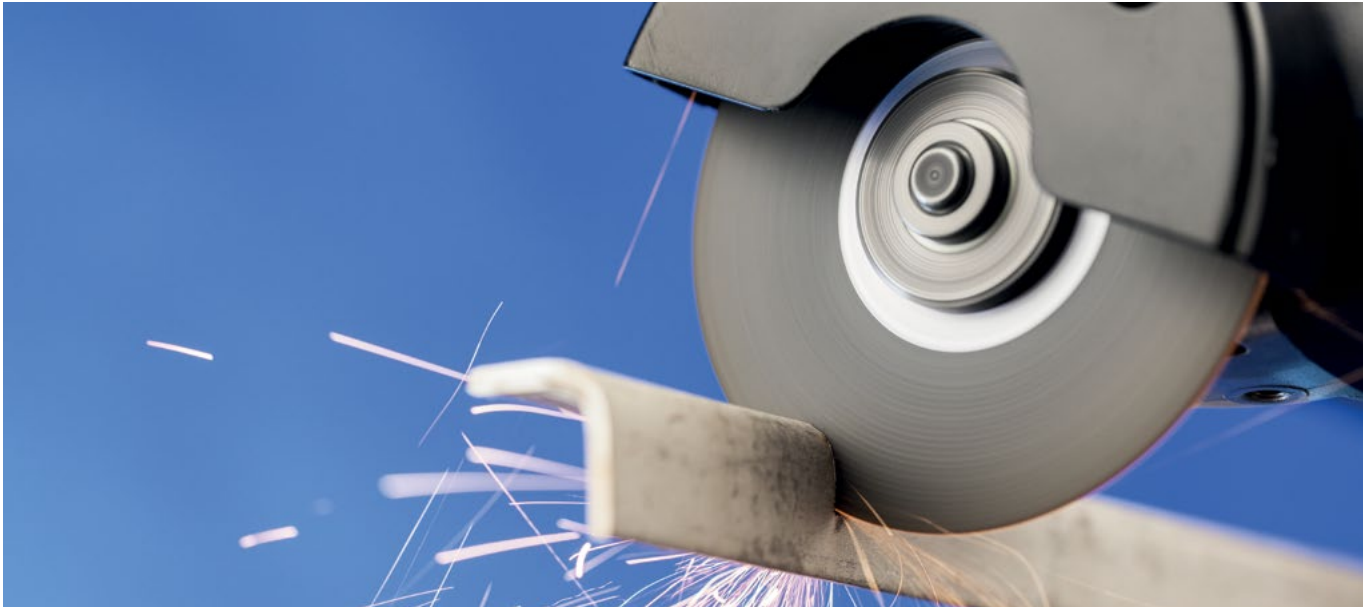


Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
EHT 100-1,0 A 60 R SG-INOX/16,0	511787	41 A 60 R BF 80	100 x 1.0 x 16.0 (5/8)	15,300	25
EHT 105-1,0 A 60 R SG-INOX/16,0	953372	41 A 60 R BF 80	105 x 1.0 x 16.0 (5/8)	14,500	25
EHT 105-1,3 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 115-2,0 A 46 R SG-INOX/22,23	953402	41 A 46 R BF 80	115 x 2.0 x 22.23 (7/8)	13,300	25
EHT 115-2,4 A 46 R SG-INOX/22,23	522851	41 A 46 R BF 80	115 x 2.4 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 125-2,0 A 46 R SG-INOX/22,23	953419	41 A 46 R BF 80	125 x 2.0 x 22.23 (7/8)	12,200	25
EHT 125-2,4 A 46 R SG-INOX/22,23	522875	41 A 46 R BF 80	125 x 2.4 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 178-2,5 A 24 R SG-INOX/22,23	162378	41 A 24 R BF 80	178 x 2.5 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
EHT 230-2,5 A 24 R SG-INOX/22,23	162446	41 A 24 R BF 80	230 x 2.5 x 22.23 (7/8)	6,600	25
EHT 230-3,2 A 24 R SG-INOX/22,23	475690	41 A 24 R BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 115-2,4 A 46 R SG-INOX/22,23	162613	42 A 46 R BF 80	115 x 2.4 x 22.23 (7/8)	13,300	25
EH 115-3,2 A 46 R SG-INOX/22,23	522868	42 A 46 R BF 80	115 x 3.2 x 22.23 (7/8)	13,300	25
EH 125-2,4 A 46 R SG-INOX/22,23	162651	42 A 46 R BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EH 125-3,2 A 46 R SG-INOX/22,23	522882	42 A 46 R BF 80	125 x 3.2 x 22.23 (7/8)	12,200	25
EH 178-2,5 A 24 R SG-INOX/22,23	162279	42 A 24 R BF 80	178 x 2.5 x 22.23 (7/8)	8,600	25
EH 230-2,5 A 24 R SG-INOX/22,23	162316	42 A 24 R BF 80	230 x 2.5 x 22.23 (7/8)	6,600	25



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





Aluminium/non-ferrous metals



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:

- Wheel thicknesses 1.6/1.0 mm for fast, easy cutting with minimized burr formation

- Wheel thickness 2.4 mm for multipurpose cutting work
- Wheel thickness 2.9 mm for maximum tool life with high lateral stability
- Suitable for use on angle grinders of all output categories
- The use of large clamping flanges (SFS 76, page 48) 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®:

Thin cut-off wheels < 2.0 mm:



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
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 115-2,4 A 30 N SG-ALU/22,23	617892	41 A 30 N BF 80	115 x 2.4 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 125-2,4 A 30 N SG-ALU/22,23	617786	41 A 30 N BF 80	125 x 2.4 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
EHT 178-2,9 A 24 N SG-ALU/22,23	538487	41 A 24 N BF 80	178 x 2.9 x 22.23 (7/8)	8,600	25
EHT 230-2,9 A 24 N SG-ALU/22,23	538524	41 A 24 N BF 80	230 x 2.9 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 115-2,4 A 30 N SG-ALU/22,23	522936	42 A 30 N BF 80	115 x 2.4 x 22.23 (7/8)	13,300	25
EH 125-2,4 A 30 N SG-ALU/22,23	389027	42 A 30 N BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EH 178-2,9 A 24 N SG-ALU/22,23	538517	42 A 24 N BF 80	178 x 2.9 x 22.23 (7/8)	8,600	25
EH 230-2,9 A 24 N SG-ALU/22,23	538548	42 A 24 N BF 80	230 x 2.9 x 22.23 (7/8)	6,600	25

Hard, high-performance tool of hardness R (C) with high cutting performance, high lateral stability and very long tool life.

Abrasive: Silicon carbide C

Materials to be worked:

Natural stone, synthetic stone, fire-resistant stone, cast iron, non-ferrous metals

Applications:

Cutting of solid material and profiles

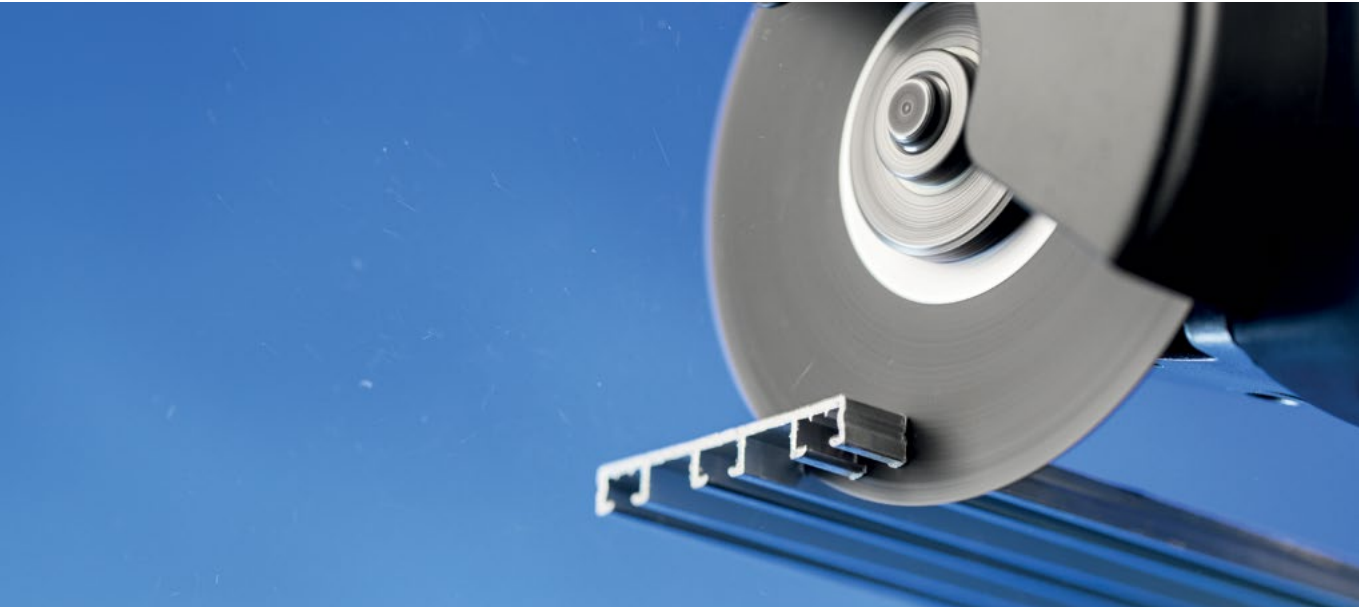
Recommendations for use:

- Wheel thickness 2.4 mm for multipurpose cutting work
- Wheel thicknesses 3.2/3.0 mm for maximum tool life with high lateral stability
- Suitable for use on angle grinders of all output categories

Stone/cast iron/non-ferrous metals



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
EHT 100-2,4 C 46 R SG/16,0	163016	41 C 46 R BF 80	100 x 2.4 x 16.0 (5/8)	15,300	25
EHT 150-3,0 C 24 R SG/22,23	163047	41 C 24 R BF 80	150 x 3.0 x 22.23 (7/8)	10,200	25
EHT 178-3,2 C 24 R SG/22,23	163092	41 C 24 R BF 80	178 x 3.2 x 22.23 (7/8)	8,600	25
EHT 230-3,2 C 24 R SG/22,23	163146	41 C 24 R BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 115-2,4 C 30 R SG/22,23	163252	42 C 30 R BF 80	115 x 2.4 x 22.23 (7/8)	13,300	25
EH 125-2,4 C 30 R SG/22,23	162996	42 C 30 R BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EH 230-3,2 C 24 R SG/22,23	163078	42 C 24 R BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25



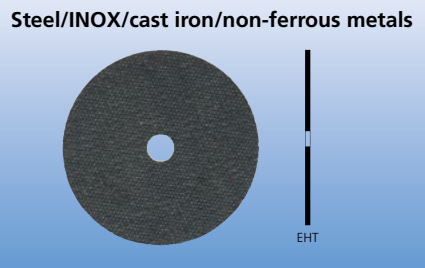
Cut-off wheels

Performance Line SG-ELASTIC



Cut-off wheels

Arbors for ring wheels/cut-off wheels



Medium-hard, multipurpose tool of hardness P 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 or sulphurous fillers.

Materials to be worked:
Steel, stainless steel (INOX), heat-resistant steels, cast iron, non-ferrous metals, nickel-based alloys

Applications:
Cutting of sheet metal, profiles and solid material

Recommendations for use:
■ For multipurpose cutting work

- Specially designed for hard-to-reach places
- For use on electric and air-powered straight grinders of all output categories
- Can be used with mounted arbor on straight grinders up to the maximum rotational speed of the arbor
- Cut-off wheels up to dia. 76 mm can be used without a guard

Ordering note:
Please order arbor separately.

PFERDERGONOMICS®:
Thin cut-off wheels < 2.0 mm:

Description	EAN 4007220	EN designation	D x T x H [mm (inch)]	Max. perm. speed [RPM] of the cut-off wheel without arbor	Max. perm. speed [RPM] of the cut-off wheel with PFERD arbor	
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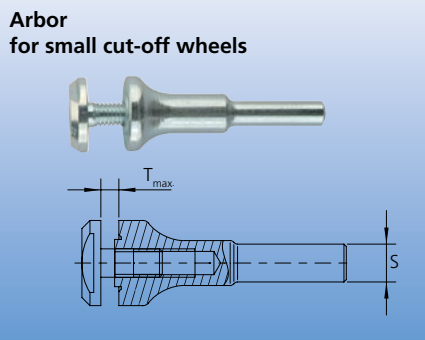
Flat type EHT (shape 41)

EHT 30-1,1 A 60 P SG/6,0	165621	41 A 60 P BF 80	30 x 1.1 x 6.0 (1/4)	51,000	31,800	50
EHT 30-1,4 A 60 P SG/6,0	165638	41 A 60 P BF 80	30 x 1.4 x 6.0 (1/4)	51,000	31,800	50
EHT 40-1,1 A 60 P SG/6,0	165645	41 A 60 P BF 80	40 x 1.1 x 6.0 (1/4)	38,200	23,900	50
EHT 40-2,1 A 46 P SG/6,0	165652	41 A 46 P BF 80	40 x 2.1 x 6.0 (1/4)	38,200	23,900	50
EHT 50-0,8 A 60 P SG/6,0	849156	41 A 60 P BF 80	50 x 0.8 x 6.0 (1/4)	30,600	19,100	50
EHT 50-1,1 A 60 P SG/6,0	165669	41 A 60 P BF 80	50 x 1.1 x 6.0 (1/4)	30,600	19,100	50
EHT 50-1,4 A 60 P SG/6,0	165676	41 A 60 P BF 80	50 x 1.4 x 6.0 (1/4)	30,600	19,100	50
EHT 50-2,1 A 46 P SG/6,0	165683	41 A 46 P BF 80	50 x 2.1 x 6.0 (1/4)	30,600	19,100	50
EHT 50-3,0 A 46 P SG/6,0	165690	41 A 46 P BF 80	50 x 3.0 x 6.0 (1/4)	30,600	19,100	50
EHT 65-0,8 A 60 P SG/6,0	849187	41 A 60 P BF 80	65 x 0.8 x 6.0 (1/4)	23,500	14,700	50
EHT 65-0,8 A 60 P SG/10,0	849194	41 A 60 P BF 80	65 x 0.8 x 10.0 (25/64)	23,500	14,700	50
EHT 65-1,1 A 60 P SG/6,0	165706	41 A 60 P BF 80	65 x 1.1 x 6.0 (1/4)	23,500	14,700	50
EHT 65-1,1 A 60 P SG/10,0	165713	41 A 60 P BF 80	65 x 1.1 x 10.0 (25/64)	23,500	14,700	50
EHT 65-1,4 A 60 P SG/10,0	165720	41 A 60 P BF 80	65 x 1.4 x 10.0 (25/64)	23,500	14,700	50
EHT 65-2,1 A 46 P SG/10,0	165737	41 A 46 P BF 80	65 x 2.1 x 10.0 (25/64)	23,500	14,700	50
EHT 65-3,0 A 46 P SG/10,0	165744	41 A 46 P BF 80	65 x 3.0 x 10.0 (25/64)	23,500	14,700	50
EHT 70-1,1 A 60 P SG/10,0	165751	41 A 60 P BF 80	70 x 1.1 x 10.0 (25/64)	21,800	13,600	50
EHT 70-1,4 A 60 P SG/10,0	165768	41 A 60 P BF 80	70 x 1.4 x 10.0 (25/64)	21,800	13,600	50
EHT 70-2,1 A 46 P SG/10,0	165775	41 A 46 P BF 80	70 x 2.1 x 10.0 (25/64)	21,800	13,600	50
EHT 70-3,0 A 46 P SG/10,0	165782	41 A 46 P BF 80	70 x 3.0 x 10.0 (25/64)	21,800	13,600	50
EHT 76-0,8 A 60 P SG/6,0	849217	41 A 60 P BF 80	76 x 0.8 x 6.0 (1/4)	20,100	12,500	50
EHT 76-0,8 A 60 P SG/10,0	849200	41 A 60 P BF 80	76 x 0.8 x 10.0 (25/64)	20,100	12,500	50
EHT 76-1,1 A 60 P SG/6,0	165812	41 A 60 P BF 80	76 x 1.1 x 6.0 (1/4)	20,100	12,500	50
EHT 76-1,1 A 60 P SG/10,0	165829	41 A 60 P BF 80	76 x 1.1 x 10.0 (25/64)	20,100	12,500	50
EHT 76-1,4 A 60 P SG/10,0	165836	41 A 60 P BF 80	76 x 1.4 x 10.0 (25/64)	20,100	12,500	50
EHT 76-2,1 A 46 P SG/10,0	165843	41 A 46 P BF 80	76 x 2.1 x 10.0 (25/64)	20,100	12,500	50
EHT 76-3,0 A 46 P SG/10,0	165850	41 A 46 P BF 80	76 x 3.0 x 10.0 (25/64)	20,100	12,500	50

Tool dia. [mm]	Max. perm. speed [RPM]
30	31,800
40	23,900
50	19,100
65	14,700
70	13,600
76	12,500

Accessory for mounting small cut-off wheels on straight grinders. Stable arrangement with high shank breakage resistance.

Safety notes:
■ When using this arbor, please observe the maximum permissible rotational speed indicated on the instruction sheet. Arbors with mounted cut-off wheels can be used up to the maximum speed permitted for the arbor (see table).



Description	EAN 4007220	Shank dia. S [mm]	Tool centre hole dia. [mm]	Max. tool width T _{max} [mm]	
BO 6/6 0-4	219119	6	6	0-4	1
BO 6,35/6 0-4 (1/4)	219126	6.35	6	0-4	1
BO 6/10 0-4	219140	6	10	0-4	1
BO 6,35/10 0-4 (1/4)	219133	6.35	10	0-4	1
BO 8/10 0-4	219157	8	10	0-4	1



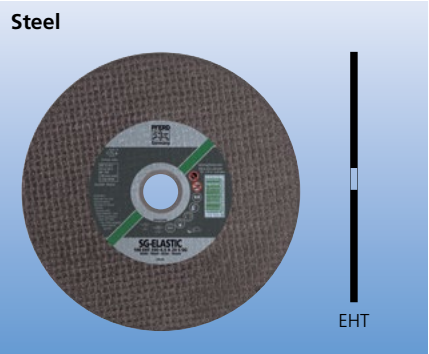
Cut-off wheels

Performance Line SG-ELASTIC (dia. 300–400 mm)



Cut-off wheels

Performance Line SG-ELASTIC (dia. 300–400 mm)



Hard, special tool of hardness S with high cutting performance and long tool life for use on hand-held cut-off machines (wheel dia. 300–400 mm).

Abrasive: Aluminium oxide A

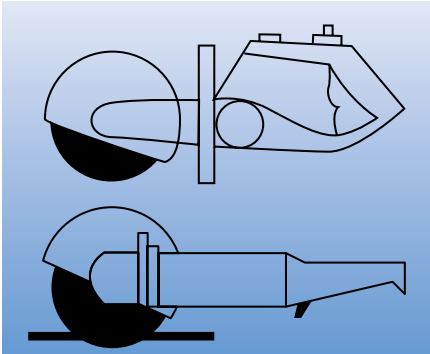
Materials to be worked:
Steel, cast iron

Applications:
Cutting of solid material and profiles

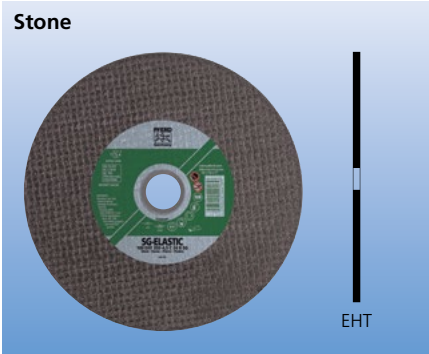
Recommendations for use:

- Can be used on hand-held cut-off machines with electric, high-frequency or petrol motors
- Alternative wheels with dia. 300 mm for 80 m/s and 100 m/s are available to match existing machines

Ordering note:
When ordering, please specify centre hole dia. and desired maximum operating speed (80 or 100 m/s).



Description	EAN 4007220	EN designation	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Maximum operating speed 80 m/s, flat type EHT (shape 41)					
80 EHT 300-4,0 A 24 S SG/20,0	162460	41 A 24 S BF 80	300 x 4.0 x 20.0	5,100	20
80 EHT 300-4,0 A 24 S SG/22,23	162477	41 A 24 S BF 80	300 x 4.0 x 22.23 (7/8)	5,100	20
80 EHT 300-4,0 A 24 S SG/25,4	162484	41 A 24 S BF 80	300 x 4.0 x 25.4 (1)	5,100	20
Maximum operating speed 100 m/s, flat type EHT (shape 41)					
100 EHT 300-4,0 A 24 S SG/20,0	540008	41 A 24 S BF 100	300 x 4.0 x 20.0	6,400	20
100 EHT 300-4,0 A 24 S SG/22,23	540015	41 A 24 S BF 100	300 x 4.0 x 22.23 (7/8)	6,400	20
100 EHT 300-4,0 A 24 S SG/25,4	540022	41 A 24 S BF 100	300 x 4.0 x 25.4 (1)	6,400	20
100 EHT 350-4,5 A 24 S SG/20,0	540039	41 A 24 S BF 100	350 x 4.5 x 20.0	5,500	10
100 EHT 350-4,5 A 24 S SG/22,23	540046	41 A 24 S BF 100	350 x 4.5 x 22.23 (7/8)	5,500	10
100 EHT 350-4,5 A 24 S SG/25,4	540053	41 A 24 S BF 100	350 x 4.5 x 25.4 (1)	5,500	10
100 EHT 400-4,8 A 24 S SG/20,0	953433	41 A 24 S BF 100	400 x 4.8 x 20.0	4,800	10
100 EHT 400-4,8 A 24 S SG/22,23	540060	41 A 24 S BF 100	400 x 4.8 x 22.23 (7/8)	4,800	10
100 EHT 400-4,8 A 24 S SG/25,4	540077	41 A 24 S BF 100	400 x 4.8 x 25.4 (1)	4,800	10



Hard, special tool of hardness R (C) with high cutting performance and long tool life for use on hand-held cut-off machines (wheel dia. 300–350 mm).

Abrasive: Silicon carbide C

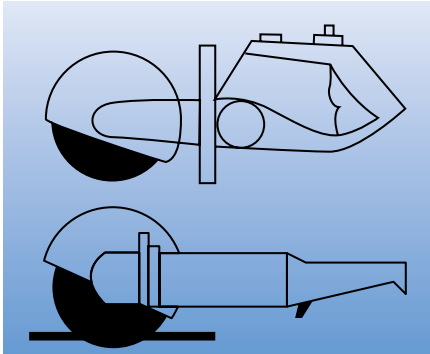
Materials to be worked:
Natural stone, fire-resistant stone, cast iron, non-ferrous metals

Applications:
Cutting of solid material and profiles

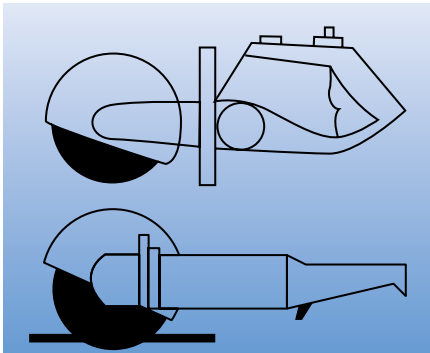
Recommendations for use:

- Can be used on hand-held cut-off machines with electric, high-frequency or petrol motors
- Alternative wheels with dia. 300 mm for 80 m/s and 100 m/s are available to match existing machines

Ordering note:
When ordering, please specify centre hole dia. and desired maximum operating speed (80 or 100 m/s).



Description	EAN 4007220	EN designation	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Maximum operating speed 80 m/s, flat type EHT (shape 41)					
80 EHT 300-4,0 C 24 R SG/20,0	163177	41 C 24 R BF 80	300 x 4.0 x 20.0	5,100	20
80 EHT 300-4,0 C 24 R SG/22,23	163184	41 C 24 R BF 80	300 x 4.0 x 22.23 (7/8)	5,100	20
80 EHT 300-4,0 C 24 R SG/25,4	163191	41 C 24 R BF 80	300 x 4.0 x 25.4 (1)	5,100	20
Maximum operating speed 100 m/s, flat type EHT (shape 41)					
100 EHT 350-4,5 C 24 R SG/20,0	540145	41 C 24 R BF 100	350 x 4.5 x 20.0	5,500	10
100 EHT 350-4,5 C 24 R SG/22,23	540152	41 C 24 R BF 100	350 x 4.5 x 22.23 (7/8)	5,500	10
100 EHT 350-4,5 C 24 R SG/25,4	540169	41 C 24 R BF 100	350 x 4.5 x 25.4 (1)	5,500	10



Medium-hard, special tool of hardness Q with high cutting performance and long tool life, for use on hand-held cut-off machines (wheel dia. 300–350 mm).

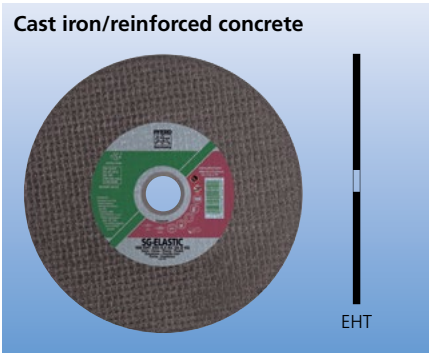
Abrasive: Aluminium oxide/ silicon carbide AC

Materials to be worked:
Cast iron, reinforced concrete, ductile materials

Applications:
Cutting of composite materials

Recommendations for use:

- Can be used on hand-held cut-off machines with electric, high-frequency or petrol motors



Description	EAN 4007220	EN designation	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Maximum operating speed 100 m/s, flat type EHT (shape 41)					
100 EHT 300-4,0 AC 24 Q SG/20,0	540084	41 AC 24 Q BF 100	300 x 4.0 x 20.0	6,400	20
100 EHT 300-4,0 AC 24 Q SG/22,23	540091	41 AC 24 Q BF 100	300 x 4.0 x 22.23 (7/8)	6,400	20
100 EHT 300-4,0 AC 24 Q SG/25,4	540107	41 AC 24 Q BF 100	300 x 4.0 x 25.4 (1)	6,400	20
100 EHT 350-4,5 AC 24 Q SG/20,0	540114	41 AC 24 Q BF 100	350 x 4.5 x 20.0	5,500	10
100 EHT 350-4,5 AC 24 Q SG/22,23	540121	41 AC 24 Q BF 100	350 x 4.5 x 22.23 (7/8)	5,500	10
100 EHT 350-4,5 AC 24 Q SG/25,4	540138	41 AC 24 Q BF 100	350 x 4.5 x 25.4 (1)	5,500	10





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:
■ Wheel thicknesses 1.6/1.0 mm for fast, easy cutting with minimized burr formation

- Wheel thicknesses 2.5/2.4 mm for multipurpose cutting work with maximum tool life
- Wheel thickness 2.8 mm for maximum tool life with high lateral stability
- Achieves best cutting results on high-performance angle grinders

PFERDERGONOMICS®:
Thin cut-off wheels < 2.0 mm:

Vibration Filter Noise Filter Emission Filter Haptic Filter

Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
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 115-2,4 A 30 T SGP/22,23	248133	41 A 30 T BF 80	115 x 2.4 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 125-2,4 A 30 T SGP/22,23	248140	41 A 30 T BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EHT 150-1,6 A 46 T SGP/22,23	953457	41 A 46 T BF 80	150 x 1.6 x 22.23 (7/8)	10,200	25
EHT 178-2,5 A 24 T SGP/22,23	522707	41 A 24 T BF 80	178 x 2.5 x 22.23 (7/8)	8,600	25
EHT 178-2,8 A 24 T SGP/22,23	162392	41 A 24 T BF 80	178 x 2.8 x 22.23 (7/8)	8,600	25
EHT 230-2,5 A 24 T SGP/22,23	522721	41 A 24 T BF 80	230 x 2.5 x 22.23 (7/8)	6,600	25
EHT 230-2,8 A 24 T SGP/22,23	162453	41 A 24 T BF 80	230 x 2.8 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 115-2,4 A 30 T SGP/22,23	248126	42 A 30 T BF 80	115 x 2.4 x 22.23 (7/8)	13,300	25
EH 125-2,4 A 30 T SGP/22,23	248157	42 A 30 T BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EH 178-2,5 A 24 T SGP/22,23	522714	42 A 24 T BF 80	178 x 2.5 x 22.23 (7/8)	8,600	25
EH 178-2,8 A 24 T SGP/22,23	162293	42 A 24 T BF 80	178 x 2.8 x 22.23 (7/8)	8,600	25
EH 230-2,8 A 24 T SGP/22,23	162330	42 A 24 T BF 80	230 x 2.8 x 22.23 (7/8)	6,600	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

- Recommendations for use:**
- X-SLIM® type (0.8 mm) for very fast, cool and particularly thin cuts with minimized burr formation. Ergonomic and convenient with a high degree of safety.
 - Wheel thicknesses 1.9/1.6/1.0 mm for cool, fast, convenient cutting with minimized burr formation and maximum tool life

Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
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 115-2,2 A 46 S SGP-INOX/22,23	281956	41 A 46 S BF 80	115 x 2.2 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 125-2,2 A 46 S SGP-INOX/22,23	281970	41 A 46 S BF 80	125 x 2.2 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 150-2,5 A 46 S SGP-INOX/22,23	953495	41 A 46 S BF 80	150 x 2.5 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 178-2,3 A 24 S SGP-INOX/22,23	522752	41 A 24 S BF 80	178 x 2.3 x 22.23 (7/8)	8,600	25
EHT 178-2,8 A 24 S SGP-INOX/22,23	281994	41 A 24 S BF 80	178 x 2.8 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
EHT 230-2,3 A 24 S SGP-INOX/22,23	522783	41 A 24 S BF 80	230 x 2.3 x 22.23 (7/8)	6,600	25
EHT 230-2,8 A 24 S SGP-INOX/22,23	282014	41 A 24 S BF 80	230 x 2.8 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 115-2,2 A 46 S SGP-INOX/22,23	281963	42 A 46 S BF 80	115 x 2.2 x 22.23 (7/8)	13,300	25
EH 125-2,2 A 46 S SGP-INOX/22,23	281987	42 A 46 S BF 80	125 x 2.2 x 22.23 (7/8)	12,200	25
EH 178-2,8 A 24 S SGP-INOX/22,23	282007	42 A 24 S BF 80	178 x 2.8 x 22.23 (7/8)	8,600	25
EH 230-2,3 A 24 S SGP-INOX/22,23	522790	42 A 24 S BF 80	230 x 2.3 x 22.23 (7/8)	6,600	25
EH 230-2,8 A 24 S SGP-INOX/22,23	282021	42 A 24 S BF 80	230 x 2.8 x 22.23 (7/8)	6,600	25



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



- Wheel thicknesses 2.3/2.2 mm for multipurpose cutting work with maximum tool life
- Wheel thicknesses 2.8/2.5 for maximum tool life with high lateral stability
- Achieves best cutting results on high-performance angle grinders
- Disc thicknesses 1.0/0.8 mm, ideal for use on battery-powered angle grinders
- The use of large clamping flanges (SFS 76, page 48) 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®:
Thin cut-off wheels < 2.0 mm:

Vibration Filter Noise Filter Emission Filter Haptic Filter



Foundry cut-off wheels

To match the hard conditions encountered on air turbine grinders and powerful high-frequency or electric angle grinders in foundries, PFERD has developed cut-off wheels which meet particularly high quality and safety standards.

PFERD cut-off wheels for foundries perform very well on casting scale with sand contamination, cast iron, cast iron with flake graphite, cast iron with nodular graphite/nodular cast iron, as well as on steel.

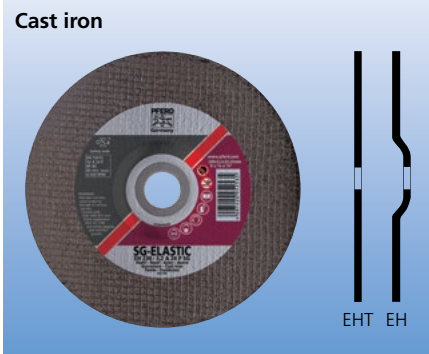
Cutting off risers and cutting of all kinds are the most common applications in tough foundry use.

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.



Recommendations for use:

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



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
EHT 230-3,2 A 24 P SG/22,23	952542	41 A 24 P BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 230-3,2 A 24 P SG/22,23	952535	42 A 24 P BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
EHT 230-2,9 A 24 Q SG-INOX-Guss/22,23	522899	41 A 24 Q BF 80	230 x 2.9 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 230-2,9 A 24 Q SG-INOX-Guss/22,23	522905	42 A 24 Q BF 80	230 x 2.9 x 22.23 (7/8)	6,600	25

Soft, multipurpose tool of hardness P (CAST) with high cutting performance, high lateral stability and long tool life.

Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, chlorinated and sulphurous fillers.

Materials to be worked:

INOX cast, cast steel

Applications:

Cutting of solid material and profiles

Recommendations for use:

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

Medium-hard, high-performance tool of hardness Q (CAST) with high cutting performance, high lateral stability and very long tool life.

Abrasive: Aluminium oxide/silicon carbide AC

Materials to be worked:

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

Applications:

Cutting of solid material and profiles

Recommendations for use:

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



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
EHT 230-3,2 AC 24 Q SG/22,23	522912	41 AC 24 Q BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 230-3,2 AC 24 Q SG/22,23	522929	42 AC 24 Q BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25

Medium-hard, extremely resilient high-performance tool of hardness Q (CAST) with very high cutting performance, high lateral stability and outstanding 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

Applications:

Cutting of solid material and profiles

Recommendations for use:

■ Preferably for use on air turbine grinders and powerful high-frequency or electric angle grinders



Description	EAN 4007220	EN designation	D x T/U x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type EHT (shape 41)					
EHT 230-3,4 ZA 24 Q SGP/22,23	522837	41 ZA 24 Q BF 80	230 x 3.4 x 22.23 (7/8)	6,600	25
Depressed-centre type EH (shape 42)					
EH 230-3,4 ZA 24 Q SGP/22,23	522844	42 ZA 24 Q BF 80	230 x 3.4 x 22.23 (7/8)	6,600	25



For detailed information and ordering data on electroplated diamond cut-off wheels, please refer to Catalogue 205.



PFERDINFORMATION

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



Electroplated diamond cut-off wheels can also be used for cutting off risers, feeders, sprues, parting lines or burrs on grey and nodular cast iron (GG/GGG and GJL/GJS) workpieces. They are characterized by an exceptionally long tool life and an ideal cutting performance when working in deep-lying areas (due to constant tool diameter). In addition, they allow quick and comfortable elimination of burning-in.

