



**OS**  
Safety code

EN 12 413  
27 A 30 M  
BF 80  
80 m/s  
8 600 R

**PFERD**  


**PFERD**  
  
Germany

41 A 46 R  
BF 80  
EN 12 413  
80 m/s max.  
12 200 RPM  
US-EDP: 63608



**OS**  
Safety code

**WARNING:**  
Improper use may  
cause property damage  
or serious injuries.  
Comply with:  
USA: ANSI B7.1 and  
OSHA regulations.  
AUS: AS 1788  
Use safety goggles  
and machine  
guards.



**SG-ELASTIC**  
EHT 125-1,6 A 46 R SG-INOX  
Stahl - Steel - Acier - Acero  
INOX - Stainless  
133 134



# Grinding and Cut-Off Wheels

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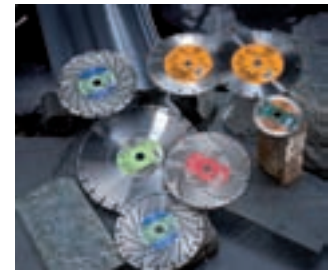
Reinforced grinding wheels



POLIFAN® flap discs



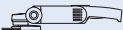


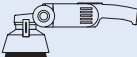
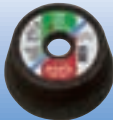
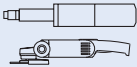


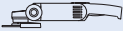

Cut-off wheels



Diamond cut-off wheels

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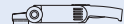

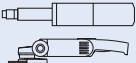

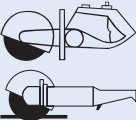


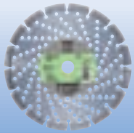

### Grinding

Tool drive	Contents	Page
	<b>Reinforced grinding wheels</b> Three product lines: ■ Universal line PS-FORTE ■ Performance line SG-ELASTIC ■ Special line SG-PLUS	<b>5-15</b>
		
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	<b>Ring wheels</b> ■ Performance line SG-ELASTIC for universal use on metals and stone	<b>18</b>
		
		
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	<b>POLIFAN® flap discs</b> Three product lines: ■ Universal line PSF ■ Performance line SG ■ Special line SGP	<b>19-32</b>
		

	Angle grinders
	Angle grinders with cup wheel covering hood
	Straight grinders

PFERD-tools for grinding and cutting in premium quality. Years of experience in advising on diverse applications have led to the development of new innovative products.

### Cutting

Tool drive	Contents	Page
	 <b>Cut-off wheels for hand-held power tools</b> 33-49 Three product lines: ■ Universal line PS-FORTE ■ Performance line SG-ELASTIC ■ Special line SG-PLUS	
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	 <b>Diamond cut-off wheels</b> 50-56 Three product lines: ■ Universal line PSF ■ Performance line SG ■ Special line SGP	
	 For detailed information ordering data on stationary cut-off wheels please refer to catalogue 207.	

	Petrol-powered hand-held cut-off machines for cut-off wheel dia. 300-400 mm
	Electric-powered hand-held cut-off machines for cut-off wheel dia. 300-400 mm

### ① Application + ② Material + ③ Tool drive ⇒ Best tool

A pre-requisite for the efficient manual use of grinding and cut-off wheels is choosing the right tool for the available tool drive.

In our application recommendations for grinding and cut-off wheels we have taken into account the power output (watts) of the most common angle grinders in relation to

the material and machining task at hand. This distinction is reflected in the following table.

Tools	Reinforced grinding wheels	Reinforced grinding wheels PIPELINE	Flexible grinding wheels	Cup wheels	Ring wheels	POLIFAN® flap discs	Cut-off wheels	Diamond cut-off wheels
<b>① Application</b>								
<b>Grinding</b>								
Surface grinding	page 6	–	page 16	–	–	page 20	–	–
Weld dressing	page 6	–	page 16	–	–	page 20	–	–
Chamfering	page 6	–	–	page 17	–	page 20	–	–
Deburring	page 6	–	–	page 17	–	page 20	–	–
Grouting	–	page 6	–	–	page 18	–	–	–
Fillet grinding	page 6	–	page 16	–	–	page 20	–	–
<b>Cutting</b>								
Cutting of sheet metal and thin-walled profiles > 3 mm	–	–	–	–	–	–	page 35	–
Cutting of solid material, profiles and pipes	–	–	–	–	–	–	page 35	–
Cutting of mineral materials	–	–	–	–	–	–	page 35	page 51

<b>② Material/material group</b>			
<b>Steel, cast steel</b>	Non-hardened, non-heat treated steels up to 1.200 N/mm² (< 38 HRC)	Construction steels, carbon steels, tool steels,	non-alloyed steels, case-hardened steels, cast steels
	Hardened, heat-treated steels exceeding 1.200 N/mm² (> 38 HRC)	Tool steels, tempering steels,	alloyed steels, cast steels
<b>Stainless steel (INOX)</b>	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	
<b>Non-ferrous metals</b>	Soft non-ferrous metals	Aluminium alloys, brass,	copper, zinc
	Hard non-ferrous metals	Bronze	
<b>Plastics and other materials</b>	–	Fibre-reinforced plastics (GRP/CRP), thermoplastics	

<b>③ Tool drives</b>	<b>Wheel/disc diameter [mm]</b>	<b>Ø 100</b>	<b>Ø 115</b>	<b>Ø 125</b>	<b>Ø 178</b>	<b>Ø 230</b>
<b>Performance classes</b>	<b>Power</b>	<b>Watts</b>	<b>Watts</b>	<b>Watts</b>	<b>Watts</b>	<b>Watts</b>
	<b>Type of machine</b>					
<b>Air-powered/turbine, high-frequency</b>	Air-powered, speed controlled	–	< 1.000	< 2.000	< 4.500	< 4.500
	High-frequency (300 Hz)	–	–	< 1.700	< 3.700	< 3.700
<b>High power</b>	Air-powered	–	< 800	< 1.000	< 1.900	< 2.200
	Electrical, speed controlled	–	< 1.400	< 1.500	< 2.500	< 2.800
	Electrical	< 700	< 1.000	< 1.200	< 2.200	< 2.500
<b>Low power</b>	Air-powered	< 400	< 600	< 800	< 1.500	< 1.800
	Electrical	< 500	< 700	< 900	< 1.800	< 2.000

Should the machine watts output be in doubt we recommend that you focus on output level "Low power".

# Grinding and Cut-Off Wheels

## General Information



### Maximum operating speed

The maximum operating speed [m/s] is shown on the product labels and product packs by a colour bar in accordance with the specifications of EN 12413. The maximum permissible RPM specification applies to the nominal diameter of the tools.

Maximum operating speed	Colour bars
50 m/s	blue
63 m/s	yellow
80 m/s	red
100 m/s	green

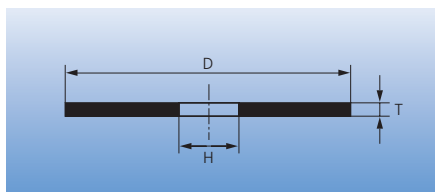
### Health

Grinding and cut-off wheels from PFERD help to reduce the hazardous vibrations and noise during the work process. The requirements of EN ISO 6103 are satisfied.

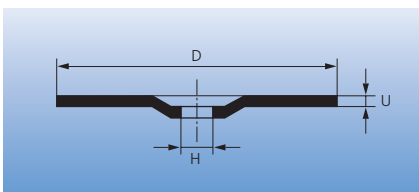
We will be happy to send you more information about the topic of health and safety on request.

### Dimensions

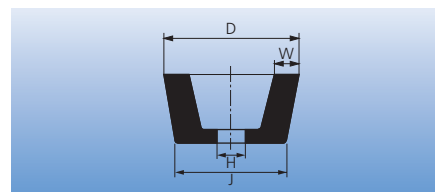
The diameter, thickness and centre hole dimension are indicated in the drawings and tables by means of the following symbols:



Flat type



Depressed centre type



Cup wheel ETT

### Safety recommendations



= Wear eye protection!



= Wear gloves!



= Wear respirator!



= Use hearing protection!



= Read the instructions!



= Observe the minimum blade angle on reinforced ring wheels!



= Not permitted for face grinding!



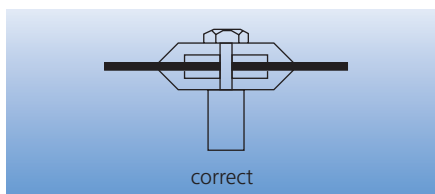
= Do not use if damaged!



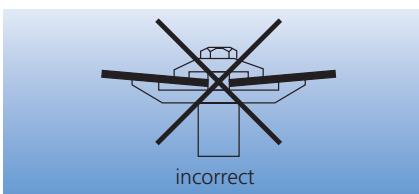
= Only permitted with a backing pad!

### Mounting system

The mounting system is a decisive factor for the safe use of the PFERD-tools. Two flanges clamping a grinding tool must always have the same outside diameter and support area (according to EN 60745-2-3:2007, AS 1788.1:1987, ANSI B7.1:2000).



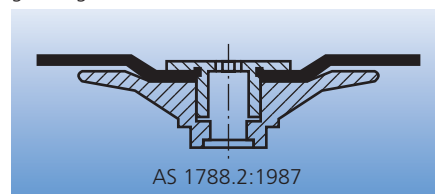
correct



incorrect

### Adapter for reinforced grinding wheels

In some countries, specific requirements apply with regard to the use of special flange or adapter systems on 178/230 mm dia. reinforced grinding wheels.



AS 1788.2:1987

### PFERD is an oSa founding member

Together with other manufacturers, PFERD has undertaken voluntarily to produce quality tools conforming to the most exacting safety standards.

oSa member companies manufacture to the most stringent specifications worldwide and are committed to continuous product safety and quality monitoring.

PFERD tools carry the oSa mark.



### Safety standards

Grinding and cut-off wheels made by PFERD conform to the most exacting quality and safety requirements and are marked according to the following key European and international safety standards:

- EN 12413:2007 for bonded abrasive products
- EN 13236:2000 for superabrasives
- EN 13743:2001 for coated abrasives
- ANSI Safety Code B7.1 / OSHA regulations (USA)
- AS 1788.2:1987

### Grinding safety

Abrasive manufacturers, machine producers and users all contribute to grinding safety.

PFERD tools are built to meet all safety requirements. The user, however, has the final responsibility for correct handling and safe operation of power tools and abrasive products.

Do you have any questions on grinding safety? PFERD will be glad to provide advice and support, whether through seminars at our training centres or via our local field service.





# Reinforced Grinding Wheels

## General Information



### Product lines

For the wide variety of abrasive grinding applications in industry and crafts PFERD now offers three types of reinforced grinding wheels with their proven colour coding system:



#### 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.

The PFERD range of reinforced grinding wheels meets state-of-the-art requirements, providing outstanding stock removal, handling convenience, and high cost-efficiency.

Reinforced grinding wheels made by PFERD are manufactured to the most stringent quality standards. Operator health risks are reduced through minimized vibration levels and high dimensional stability.

### The fast way to the best tool

Starting with the application ① and material ②, the overview shows the various types of tools in the PFERD range and helps you to find the best tool.

① Application	② Material		Stainless steel (INOX)		Scale, cast iron		Cast iron, stone		Aluminium, non-ferrous metals	
	Type	page	Type	page	Type	page	Type	page	Type	page
Surface grinding	PS-FORTE Hardness K Hardness L Hardness P SG-ELASTIC Hardness H Hardness R	8 9 8 16 11	PS-FORTE Hardness M Hardness L SG-ELASTIC Hardness H Hardness N (INOX)	9 9 16 12	SG-ELASTIC Hardness S (ZA) Hardness S (AC) SG-PLUS Hardness T	12 13 15	SG-ELASTIC Hardness Q	13	SG-ELASTIC Hardness H Hardness N	16 14
Weld dressing	PS-FORTE Hardness K Hardness L Hardness P SG-ELASTIC Hardness H Hardness R SG-PLUS Hardness R	8 9 8 16 11 15	PS-FORTE Hardness M Hardness L SG-ELASTIC Hardness H Hardness N (INOX)	9 9 16 12	SG-ELASTIC Hardness S (ZA) Hardness S (AC)	12 13	—	—	SG-ELASTIC Hardness H Hardness N Hardness O	16 14 14
Chamfering	PS-FORTE Hardness L Hardness P SG-ELASTIC Hardness R SG-PLUS Hardness R	9 8 11 15	PS-FORTE Hardness M Hardness L SG-ELASTIC Hardness N (INOX)	9 9 12	SG-ELASTIC Hardness S (ZA) Hardness S (AC) SG-PLUS Hardness T	12 13 15	SG-ELASTIC Hardness Q	13	SG-ELASTIC Hardness O	14
Deburring	PS-FORTE Hardness P SG-ELASTIC Hardness R SG-PLUS Hardness R	8 11 15	PS-FORTE Hardness M Hardness P (DUO) SG-ELASTIC Hardness N (INOX)	9 10 12	SG-ELASTIC Hardness S (ZA) Hardness S (AC) SG-PLUS Hardness T	12 13 15	SG-ELASTIC Hardness Q	13	SG-ELASTIC Hardness O	14
Fillet grinding	PS-FORTE Hardness K Hardness L Hardness P SG-ELASTIC Hardness H Hardness R	8 9 8 16 11	PS-FORTE Hardness M Hardness L SG-ELASTIC Hardness H Hardness N (INOX)	9 9 16 12	—	—	—	—	SG-ELASTIC Hardness H Hardness N	16 14
Grouting (Pipeline)	SG-ELASTIC Hardness R Hardness S (ZA)	11 12	PS-FORTE Hardness M SG-ELASTIC Hardness N (INOX)	9 12	—	—	—	—	—	—



### PFERD order no.

E 178-7 A 30 N SG-INOX  
1 2 3 4 5 6 7 8

### 1. Designation and shape of the tool

E = Reinforced grinding wheel  
ER = Grinding wheel  
50 ETT = Cup wheel (50 m/s)  
FD = Flexible grinding wheel

### 2. Outer diameter

Outer dia. D in [mm]

### 3. Wheel width

Width T/U in [mm]

### 4. Abrasive

A = Aluminium oxide  
AC = Aluminium oxide/silicon carbide  
C = Silicon carbide  
CO = Ceramic grit  
ZA = Zirconia alumina/aluminium oxide

### 5. Grit size

Grit size acc. to ISO 8486

### 6. Hardness grade (wheel characteristics)

Hardness grade	Wheel characteristics	Material groups
<b>Universal line PS-FORTE (PSF)</b>		
K	very soft	Steel
L	soft	Steel/stainless steel (INOX)
M	soft	Stainless steel (INOX)
P	medium-hard	Steel/cast iron
<b>Performance line SG-ELASTIC (SG)</b>		
H	very soft	Steel/stainless steel (INOX)
N	soft	Stainless steel (INOX)/Alu
O	medium-hard	Aluminium
Q	medium-hard	Stone/cast iron
R	hard	Steel
S	hard	Scale, cast iron
<b>Special line SG-PLUS (SGP)</b>		
R	hard	Steel
T	very hard	Scale, cast iron

### 7. PFERD product lines

Universal line PS-FORTE  
Performance line SG-ELASTIC  
Special line SG-PLUS

### 8. Material group

See also point 6.

### Designation acc. to EN 12413

27 A 30 N BF 80  
1 2 3 4 5 6

### 1. Designation and shape of the tool

1 = Grinding wheel, flat type  
6 = Cylindrical cup wheels  
11 = Cup wheel, tapered type  
27 = Grinding wheel, depressed centre type  
29 = Semi-flexible grinding wheel, depressed centre type

### 2. Abrasive

A = Aluminium oxide  
AC = Aluminium oxide/silicon carbide  
C = Silicon carbide  
CO = Ceramic grit  
Z = Zirconia alumina  
ZA = Zirconia alumina/aluminium oxide

### 3. Grit size

Grit size acc. to ISO 8486

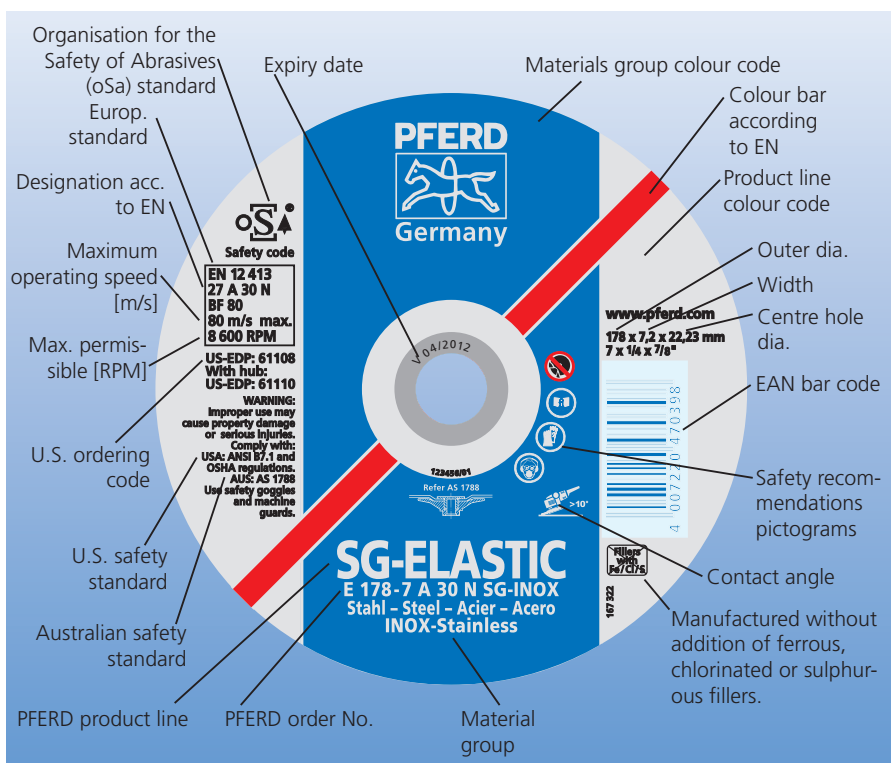
### 4. Hardness grade (wheel properties)

The hardness is graded from very soft to very hard by means of letters in alphabetically ascending order (A to Z).

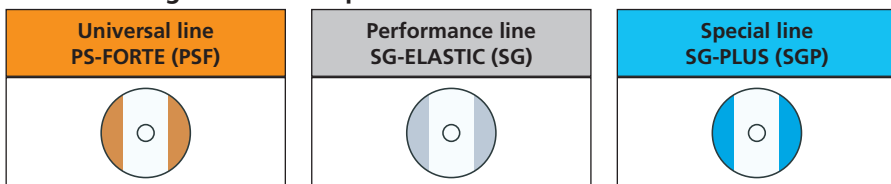
### 5. Bond

BF = Resinoid bond, fibre-reinforced, woven or non-woven  
B = Resinoid bond and other duroplastic bonds

### 6. Max. operating speed in [m/s]



### Colour coding of the three product lines



### Colour coding for the recommended materials to be ground

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/cast iron black	8		Steel black	11		Steel black	15
	Stainless steel (INOX) blue	9-10		Steel/stainless steel (INOX) black/blue	16		Cast iron red	15
	Steel/stainless steel (INOX) black/blue	9		Stainless steel (INOX) blue	12			
				Steel/cast iron black/red	12			
				Stone/cast iron green/red	13			
				Non-ferrous metals/aluminium silver	14			
				Scale/cast iron/aluminium silver/red	13			

# Reinforced Grinding Wheels

## Universal Line PS-FORTE



**Steel**  
**Very soft type - hardness grade K**



Very soft multipurpose tool of hardness grade K. PFERD product characterized by aggressive grinding performance and long tool life.

**Abrasive: Aluminium oxide A**

**Workpiece materials:**

Steel



**Application:**

Surface grinding, work on weld seams, fillet weld grinding

**Recommendation for use:**

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



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	4,300
E 178-8 A 30 K PSF/22,23	477731	27 A 30 K BF 80	178 x 8,3 x 22,23 (7/8)	8.600	10	5,000

**Steel/cast iron**  
**Medium-hard type - hardness grade P**



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

**Abrasive: Aluminium oxide A**

**Workpiece materials:**

Steel, cast iron



**Application:**

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

**Recommendation for use:**

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



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	1,230
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	1,680
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	2,250
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	4,300
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	5,000
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	7,100
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	8,300





General purpose tool of hardness grade M-INOX.  
PFERD product characterized by aggressive grinding performance and long tool life.  
Provides outstanding shape stability in pipeline applications.

**Abrasive: Aluminium oxide A**

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

**Workpiece materials:**

Stainless steel (INOX)

**Application:**



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

**Recommendation for use:**

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

**INOX**  
**Soft type - hardness grade M**



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	1,270
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	1,240
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	1,680
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	2,250
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	1,750
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	3,050
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	2,500
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	2,750
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	4,300
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	4,900
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	7,100
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	8,300

Please refer to the brochure "PFERD Tools for Pipeline Construction" and catalogue 208 for detailed information and ordering data on further tools for pipeline applications.

General purpose tool of hardness grade L.  
PFERD product characterized by 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, sulphurous or chlorinated fillers.

**Workpiece materials:**

Steel, stainless steel (INOX)

**Application:**



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

**Recommendation for use:**

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

**Steel/INOX**  
**Soft type - hardness grade L**



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	1,270
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	1,680
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	2,250
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	3,050
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	4,300
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	7,100

# Reinforced Grinding Wheels

## Universal Line PS-FORTE



**INOX/steel**  
**Medium hardness type P**



Combination abrasive wheel DUODISC for cutting and light deburring work. General-purpose tool, suitable for use on angle grinders of all output categories.

### Advantages:

- Unsurpassed quality and safety due to robust design ensuring high dimensional and lateral stability.
- Reduces labour costs by eliminating set-up times (less wheel change).
- High performance due to aggressive abrasive grain and high-grade bond.
- Combi abrasive wheel conforms to EN 12413:2007.

### Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

### Workpiece materials:

Stainless steel (INOX), steel



### Application:

Cutting, light deburring, surface grinding

### Recommendation for use:

Suitable for use on angle grinders of all output categories.

One abrasive wheel for dual-purpose use without tool change.

Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. speed [RPM]		
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	0,750
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	0,850







Professional tool of hardness grade R for use in high pressure applications. PFERD product characterized by aggressive abrasive performance and very long tool life. Provides outstanding shape stability in pipeline applications.

**Abrasive: Aluminium oxide A**

**Workpiece materials:**  
Steel



**E 70-6 A 24 R SG/9,53**  
**E 76-6 A 24 R SG/9,53**  
**Also suitable for stainless steel (INOX).**

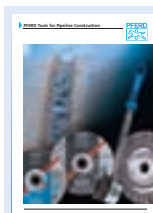
**Application:**  
Surface grinding, work on weld seams, chamfering, deburring, fillet weld grinding, grouting.

**Recommendation for use:**  
Achieves optimum grinding results on high-powered angle grinders.



**Steel**  
**Hard type - hardness grade R**

Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. speed [RPM]		
Also for stainless steel (INOX)						
E 70-6 A 24 R SG/	471067	27 A 24 R BF 80	70 x 6,3 x 10,0	21.800	10	0,650
E 76-6 A 24 R SG/	471081	27 A 24 R BF 80	76 x 6,3 x 10,0	20.200	10	0,745
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	1,035
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	1,270
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	1,260
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	1,260
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	1,840
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	1,530
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	2,250
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	3,050
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	2,700
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	2,700
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	4,300
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	5,000
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	7,100
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	8,300



Please refer to the brochure "PFERD Tools for Pipeline Construction" for detailed information and ordering data.



Please refer to catalogue 208 for detailed information and ordering data on PFERD brushes for pipelines.

# Reinforced Grinding Wheels

## Performance Line SG-ELASTIC



### INOX Soft type - hardness grade N



Professional tool in hardness grade N-INOX. PFERD product type characterized by exceptionally aggressive grinding performance and very long tool life. Provides outstanding shape stability in pipeline applications.

#### Abrasive: Special aluminium oxide A

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

#### Workpiece materials:

Stainless steel (INOX)



#### Application:

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

#### Recommendation for use:

Provides optimum grinding results on high-powered angle grinders.



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	1,260
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	1,840
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	1,530
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	1,850
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	2,250
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	2,700
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	4,300
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	5,000
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	7,100
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	8,300

Please refer to the brochure "PFERD Tools for Pipeline Construction" and catalogue 208 for detailed information and ordering data on further tools for pipeline applications.

### Cast iron/steel Hard type - hardness grade S



Professional tool of hardness grade S. PFERD product providing outstanding stock removal and very long tool life. Provides outstanding shape stability in pipeline applications.

#### Abrasive: Zirconia alumina/ aluminium oxide ZA

#### Workpiece materials:



Cast iron with lamellar graphite, nodular cast iron and steel

#### Application:

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

#### Recommendation for use:

Designed preferably for use on high-powered angle grinders. Provides optimum grinding results on pneumatic turbine grinders and powerful high-frequency or electric angle grinders.

Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	1,870
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	2,320
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	2,700
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	2,800
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	4,400
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	5,000
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	4,900
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	5,000
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	5,100
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	7,100
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	8,300

Please refer to the brochure "PFERD Tools for Pipeline Construction" and catalogue 208 for detailed information and ordering data on further tools for pipeline applications.





Professional tool of hardness grade S.  
PFERD product characterized by aggressive grinding performance and very long tool life.

**Abrasive:** Aluminium oxide/  
silicon carbide AC



**Workpiece materials:**  
Casting scale, flake graphite cast iron, nodular cast iron, hard aluminium

**Application:**  
Surface grinding, work on weld seams, chamfering, deburring

**Recommendation for use:**  
Designed preferably for use on high-power angle grinders. Provides optimum grinding results on pneumatic turbine grinders and powerful high-frequency or electric angle grinders.

**Casting scale**  
**Hard type - hardness grade S**



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	4,400
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	6,900



Professional tool of hardness grade Q.  
PFERD product characterized by aggressive grinding performance and very long tool life.

**Abrasive:** Silicon carbide C



**Workpiece materials:**  
Cast iron/casting scale, stone, hard aluminium

**Application:**  
Surface grinding, chamfering, deburring

**Recommendation for use:**  
Designed preferably for use on high-powered angle grinders. Provides optimum grinding results on pneumatic turbine grinders and powerful high-frequency or electric angle grinders.

**Cast iron/stone**  
**Medium-hard type - hardness grade Q**



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	1,840
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	2,250
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	4,300
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	7,100

# Reinforced Grinding Wheels

## Performance Line SG-ELASTIC



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



Professional tool of hardness grade N-Alu. PFERD product providing unusually aggressive grinding action. Operates without tool loading problems, even on soft, adhesive materials. **Contains no fillers that might leave undesirable residue on the workpiece. The ground surface can be welded right away, without any further treatment.**

**Abrasive:** Special aluminium oxide A

**Workpiece materials:**

Soft and tough aluminium, non-ferrous metals

**Application:**



Surface grinding, work on weld seams, fillet weld grinding

**Recommendation for use:**

Achieves outstanding stock removal rates even at low contact pressure.

Suitable for use on angle grinders of all output categories.



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	1,840
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	2,250
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	4,300
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	7,000

### Aluminium/non-ferrous metals Medium-hard type - hardness grade O



Professional tool in hardness grade O-Alu. PFERD product with unusually high grinding capabilities. The tool does not clog up, even on soft, sticky materials.

**Contains no fillers that might leave undesirable residue on the workpiece. The ground surface can be welded right away, without any further treatment.**

**Abrasive:** Special aluminium oxide A

**Workpiece materials:**

Hard and tough aluminium, non-ferrous metals

**Application:**



Work on weld seams, chamfering, deburring

**Recommendation for use:**

Achieves outstanding stock removal rates even at low contact pressure.

Suitable for use on angle grinders of all output categories.



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. speed [RPM]		
E 115-7 A 24 O SG-ALU/22,23	802458	27 A 24 O BF 80	115 x 7,2 x 22,23 (7/8)	13.300	10	1,840
E 125-7 A 24 O SG-ALU/22,23	802502	27 A 24 O BF 80	125 x 7,2 x 22,23 (7/8)	12.200	10	2,250
E 178-7 A 24 O SG-ALU/22,23	802526	27 A 24 O BF 80	178 x 7,2 x 22,23 (7/8)	8.600	10	4,300
E 230-7 A 24 O SG-ALU/22,23	802540	27 A 24 O BF 80	230 x 7,2 x 22,23 (7/8)	6.600	10	7,000





Special-purpose tool of hardness grade R. For professional work meeting the highest standards.

PFERD product characterized by aggressive grinding performance and outstanding tool life.



**Abrasive:** Zirconia alumina/  
aluminium oxide ZA

**Workpiece materials:**  
Steel

**Application:**  
Work on weld seams, chamfering, deburring

**Recommendation for use:**  
Preferably for use on high-powered pneumatic and electric angle grinders.



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	1,900
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	2,300
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	3,050
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	4,500
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	7,200



High-performance tool of hardness grade T. For industrial use under severe operating conditions.

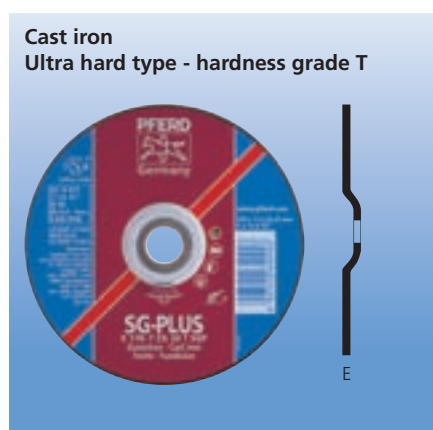
PFERD product characterized by outstanding stock removal performance and tool life.



**Abrasive:** Zirconia alumina/  
aluminium oxide ZA

**Workpiece materials:**  
Cast iron with flake graphite, spheroidal/  
nodular cast iron and scale

**Application:**  
Surface grinding, chamfering, deburring

**Recommendation for use:**  
Provides optimum grinding results on  
pneumatic turbine grinders and powerful  
high-frequency or electric angle grinders.



Order No.	EAN 4007220	EN-designation	D x U x H [mm (inch)]	Max. 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	4,500
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	5,000
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	7,200
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	8,300

### Application advise service

One of the PFERD company's strengths lies in its application advice service. Our technical sales advisors have years of experience in finding solutions to individual customer problems.

Foundries, dockyards or steel construction sites, PFERD advisors are willing to demonstrate the optimal application of the best PFERD grinding wheel.



# Flexible Grinding Wheels

## Performance Line SG-ELASTIC



### Flexible grinding wheels FD Very soft type - hardness grade H



PFERD tool of hardness grade H.  
For professional use with highest demands on surface finish and abrasiveness. Easy grinding at low grinding pressures.

#### Abrasive: Ceramic oxide CO

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

#### Workpiece materials:

Steel, stainless steel (INOX), aluminium, non-ferrous metals

#### Application:

Surface grinding, work on weld seams, fillet weld grinding

#### Recommendation for use:

Suitable for angle grinders of all output categories. The flexible grinding wheel must only be used with the backing pad included in the delivery.

#### Ordering note:

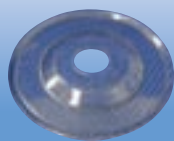
1 backing pad is included in each flexible grinding wheel packaging unit.



Order No.	EAN 4007220	EN-designation	Grit size	D x U x H [mm (inch)]	Max. speed [RPM]		
Depressed centre type, medium flexibility (form 29)							
FD 115-3 CO 36 H SG/22,23	803523	29 CO 36 H BF 80	36	115 x 3,0 x 22,23 (7/8)	13.300	10	0,620
FD 115-3 CO 46 H SG/22,23	803530	29 CO 46 H BF 80	46	115 x 3,0 x 22,23 (7/8)	13.300	10	0,620
FD 115-3 CO 60 H SG/22,23	803547	29 CO 60 H BF 80	60	115 x 3,0 x 22,23 (7/8)	13.300	10	0,620
FD 125-3 CO 36 H SG/22,23	803554	29 CO 36 H BF 80	36	125 x 3,0 x 22,23 (7/8)	12.200	10	0,720
FD 125-3 CO 46 H SG/22,23	803561	29 CO 46 H BF 80	46	125 x 3,0 x 22,23 (7/8)	12.200	10	0,720
FD 125-3 CO 60 H SG/22,23	803578	29 CO 60 H BF 80	60	125 x 3,0 x 22,23 (7/8)	12.200	10	0,720
FD 180-3 CO 36 H SG/22,23	803585	29 CO 36 H BF 80	36	180 x 3,0 x 22,23 (7/8)	8.600	10	1,950
FD 180-3 CO 46 H SG/22,23	803592	29 CO 46 H BF 80	46	180 x 3,0 x 22,23 (7/8)	8.600	10	1,950
FD 180-3 CO 60 H SG/22,23	803608	29 CO 60 H BF 80	60	180 x 3,0 x 22,23 (7/8)	8.600	10	1,950

## Backing Pads

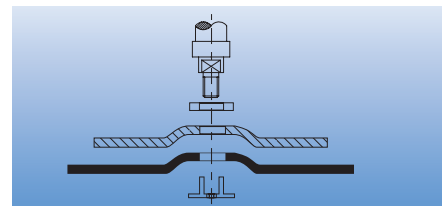
### Backing pad ST FD



Using these backing pads, flexible grinding wheels can be used on commercial angle grinders.

#### Safety note:

The maximum permitted operating speed is 80 m/s.



Order No.	EAN 4007220		
ST FD 115/125	803615	5	0,090
ST FD 180	803622	5	0,170

① Application	② Material	Steel, cast steel	Casting scale, cast iron	Stone
		Type	Type	Type
Surface grinding		A 16	C 16	C 16-80
Weld dressing		A 16	-	-
Chamfering		A 24	C 24	C 60/80
Deburring		A 36/80	C 36	-

General purpose tool of hardness grade Q. PFERD product characterized by aggressive grinding performance and very long tool life.

### Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

### Workpiece materials:

Steel

### Application:

Work on weld seams, chamfering, deburring, surface grinding

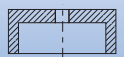
### Recommendation for use:

Suitable for angle grinders of all output categories. Working at a slight angle allows work on welds.

### Safety note:

The maximum permitted operating speed is 50 m/s. Please observe angle grinder speeds.

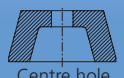
### Steel Medium-hard type - hardness grade Q





Centre hole



Thread



Centre hole

Order No.	EAN 4007220	Centr. hole dia. H [mm]	Thread H	Dia. D [mm]	Min. dia. J [mm]	Width T [mm]	Wall thick- ness W [mm]	Max. speed [RPM]		
50 ETT 80-8 A 36 Q SG/22,23	698419	22,23	-	80	80	27	8	11.900	5	1,000
50 ETT 80-8 A 80 Q SG/22,23	164785	22,23	-	80	80	27	8	11.900	5	0,980
50 ETT 110-20 A 16 Q SG/22,23	164730	22,23	-	110	90	55	20	8.600	2	1,670
50 ETT 110-20 A 24 Q SG/22,23	803103	22,23	-	110	90	55	20	8.600	2	1,670
50 ETT 110-20 A 36 Q SG/22,23	803127	22,23	-	110	90	55	20	8.600	2	1,670
50 ETT 125-25 A 16 Q SG/M 14	164747	-	M 14	125	95	51	25	7.600	2	2,600



General purpose tool of hardness grade Q for wet and dry grinding. PFERD product characterized by aggressive grinding action and very long tool life.

### Abrasive: Silicon carbide C

### Workpiece materials:

Natural and synthetic stone, cast iron, casting scale

### Application:

Wet grinding, dry grinding, surface grinding, chamfering, deburring

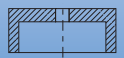
### Recommendation for use:

Suitable for angle grinders of all output categories.

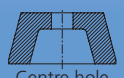
### Safety note:

The maximum permitted operating speed is 50 m/s. Please observe angle grinder speeds.

### Stone/cast iron/casting scale Medium-hard type - hardness grade Q



Centre hole



Centre hole

Order No.	EAN 4007220	Centr. hole dia. H [mm]	Dia. D [mm]	Min. dia. J [mm]	Width T [mm]	Wall thick- ness W [mm]	Max. speed [RPM]		
50 ETT 80-8 C 80 Q SG/22,23	164822	22,23	80	80	27	8	11.900	5	0,980
50 ETT 110-20 C 16 Q SG/22,23	164808	22,23	110	90	55	20	8.600	2	1,670
50 ETT 110-20 C 24 Q SG/22,23	803134	22,23	110	90	55	20	8.600	2	1,670
50 ETT 110-20 C 36 Q SG/22,23	164815	22,23	110	90	55	20	8.600	2	1,670
50 ETT 110-20 C 60 Q SG/22,23	803141	22,23	110	90	55	20	8.600	2	1,670

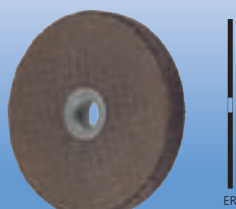


# Ring Wheels

## Performance Line SG-ELASTIC



Steel/INOX/cast iron  
Soft type - hardness grade M



General purpose tool of hardness grade M. Suitable for circumferential grinding. PFERD product characterized by aggressive grinding performance and long tool life.

### Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

### Workpiece materials:

Steel, stainless steel (INOX), cast iron

### Application:

Work on weld seams, chamfering, deburring, grouting in hard-to-reach places

### Safety note:

When arbor-mounted on a straight grinder, these tools can be operated up to the max. permissible arbor RPM.

Order No.	EAN 4007220	EN-designation	D x T x H [mm (inch)]	Suitable arbor	Max. speed [RPM]		
ER 30-4 A 24 M SG/6,0	165423	1 A 24 M BF 80	30 x 4,2 x 6,0 (1/4)	BO 6/6 3 - 10	31.850	20	0,145
ER 30-6 A 24 M SG/6,0	165430	1 A 24 M BF 80	30 x 6,2 x 6,0 (1/4)	BO 6/6 3 - 10	31.850	20	0,220
ER 40-4 A 24 M SG/6,0	165447	1 A 24 M BF 80	40 x 4,2 x 6,0 (1/4)	BO 6/6 3 - 10	23.900	20	0,260
ER 40-6 A 24 M SG/6,0	165454	1 A 24 M BF 80	40 x 6,2 x 6,0 (1/4)	BO 6/6 3 - 10	23.900	20	0,385
ER 50-6 A 24 M SG/6,0	165461	1 A 24 M BF 80	50 x 6,2 x 6,0 (1/4)	BO 6/6 3 - 10	19.100	20	0,600
ER 50-10 A 24 M SG/6,0	165485	1 A 24 M BF 80	50 x 10,5 x 6,0 (1/4)	BO 6/6 3 - 10	19.100	20	1,000
ER 50-10 A 24 M SG/10,0	165492	1 A 24 M BF 80	50 x 10,5 x 10,0 (25/64)	BO 8/10 6 - 20	19.100	20	1,000
ER 70-6 A 24 M SG/10,0	165508	1 A 24 M BF 80	70 x 6,2 x 10,0 (25/64)	BO 8/10 4 - 8, BO 8/10 6 - 20	13.650	20	1,180
ER 70-8 A 24 M SG/10,0	165805	1 A 24 M BF 80	70 x 8,7 x 10,0 (25/64)	BO 8/10 4 - 8, BO 8/10 6 - 20	13.650	20	1,690
ER 70-10 A 24 M SG/10,0	165515	1 A 24 M BF 80	70 x 10,5 x 10,0 (25/64)	BO 8/10 6 - 20	13.650	20	2,140
ER 70-15 A 24 M SG/10,0	165539	1 A 24 M BF 80	70 x 15,7 x 10,0 (25/64)	BO 8/10 6 - 20	13.650	20	2,940

## Arbors for Ring Wheels/Discs

Arbors  
for ring wheels



Accessories for clamping ring wheels on straight grinders. Rugged PFERD product with maximum shank fracture resistance.

### Safety note:

When using these arbors, the max. permissible rotational speed RPM stated on the enclosed instructions sheet must be observed.



Order No.	EAN 4007220	Shank dia. [mm]	Tool centre hole dia. [mm]	Clamping width [mm]		
BO 6/6 3-10	297650	6	6	3-10	1	0,038
BO 8/10 6-20	297667	8	10	6-20	1	0,088
BO 8/10 4-8	103623	8	10	4-8	1	0,055





### Product lines

For the diverse grinding applications in industry and crafts, PFERD offers POLIFAN® flap discs in three product lines with their proven colour code system:



#### Universal line PSF

General use in industry and crafts.



#### Performance line SG

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



#### Special line SGP

For special industrial applications.

POLIFAN® flap discs can offer advantages over reinforced grinding wheels where a superior surface finish must be achieved in addition to high stock removal rates.

The wide range of high-grade abrasive flap disc types and proven special-purpose versions available from PFERD meet the demands of the most exacting and difficult grinding tasks while reflecting the specific properties of each material.

The new high-performance flap discs **POLIFAN®-STRONG** with its exceptional abrasive qualities and tool life and the flap disc **POLIFAN®-CURVE** for fillet weld grinding are the latest PFERD innovations.

Special versions for customer-specific applications can be produced and supplied to order.

### 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.

❶ Application	❷ Material		Stainless steel (INOX)		Aluminium, non-ferrous metals		Plastics and other materials	
	Type	page	Type	page	Type	page	Type	page
Surface grinding	PSF A	22	PSF A	22	SG A-COOL SGP CO-COOL	27 31	PSF A	22
	PSF ZIRKON	23	PSF ZIRKON	23			SG A	24
	SG A	24	SG A	24			SG A-COOL	27
	SG ZIRKON	25	SG A-COOL	27				
	SG CO	28	SG ZA	26				
			SGP ZIRKON-COOL	30				
Weld dressing			SGP CO-COOL	31	SG A-COOL SGP CO-COOL	27 31	–	
	PSF A	22	PSF ZIRKON	23				
	PSF ZIRKON	23	SG ZA	26				
	SG A	24	SG CO	28				
	SG ZIRKON-COMPACT	25	SGP ZIRKON-COOL	30				
	SG ZIRKON	25	SGP CO-COOL	31				
Chamfering	SGP ZIRKON-POWER	30	SG ZIRKON SGP ZIRKON-POWER	25 30	SGP CO-COOL	31	PSF A	22
	SGP ZIRKON-STRONG	29					SG A	24
Deburring	SG ZIRKON-COMPACT	25	SGP ZIRKON-POWER	30	SGP CO-COOL	31	PSF A	22
	SGP ZIRKON-POWER	30					SG A	24
	SGP ZIRKON-STRONG	29						
Fillet grinding	SGP-ZIRKON-CURVE	32	SGP-ZIRKON-CURVE	32	–		–	
	SGP ZIRKON-CORNER	32	SGP ZIRKON-CORNER	32				



### PFERD order no.

PFC 125 A 40 SG COOL  
1 2 3 4 5 6

#### 1. Designation and shape of the tool

PFF = Flat type  
PFC = Conical type  
PFR = Radial type



#### 2. Outer diameter

Outer dia. D in [mm]

#### 3. Abrasive

A = Aluminium oxide  
CO = Ceramic grit  
Z = Zirconia alumina  
ZA = Zirconia alumina /aluminium oxide

#### 4. Grit size

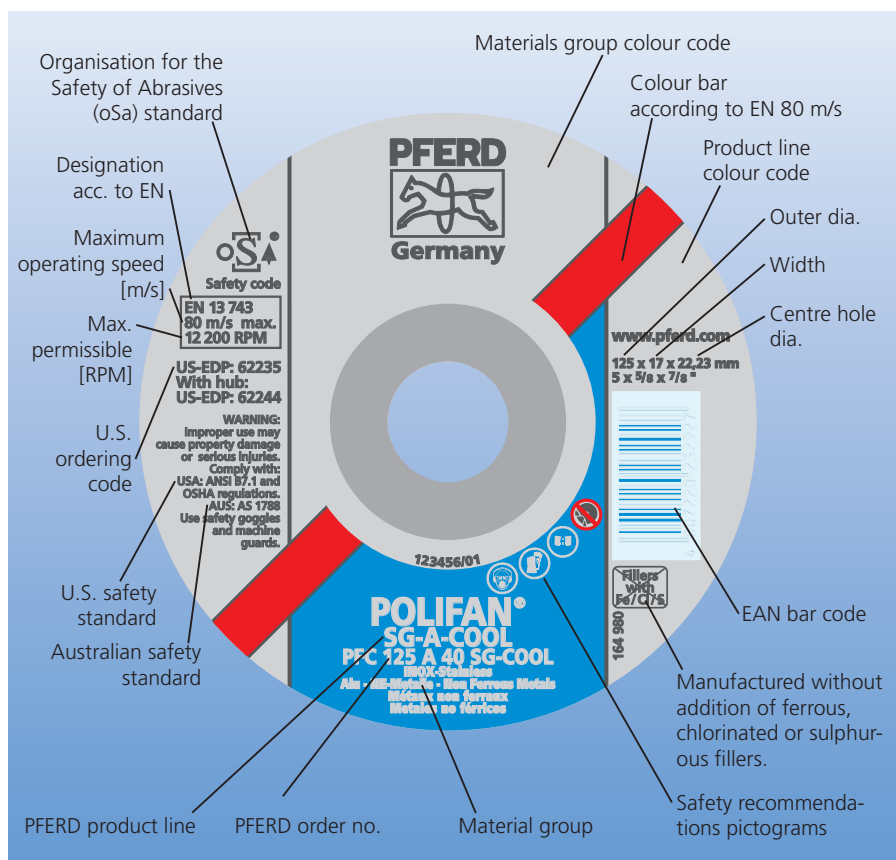
#### 5. PFERD product lines

Universal line PSF  
Performance line SG  
Special line SGP

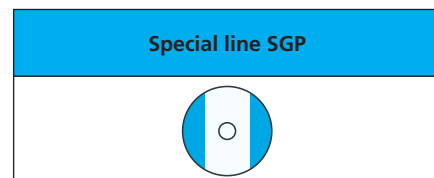
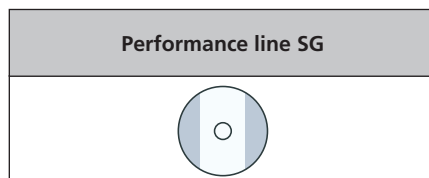
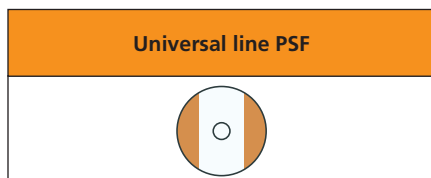
#### 6. Tool variant

COMPACT = For chamfering and deburring  
COOL = For very cool grinding  
CORNER = For corners and angles  
CURVE = For fillet grinding  
POWER = For very powerful machines  
STRONG = For maximum abrasiveness and tool life


**Note: Product code conforming to EN 13743.**










### Colour coding of the three product lines



### Colour coding for the recommended materials to be ground

Universal line PSF	
Material = Colour	Page
 Steel/stainless steel (INOX) black/blue	22-23

Performance line SG	
Material = Colour	Page
 Steel black	25
 Steel/stainless steel (INOX) black/blue	24-25, 28
 Stainless steel (INOX) blue	26
 Aluminium/non-ferrous metals/stainless steels (INOX) silver/blue	27

Special line SGP	
Material = Colour	Page
 Steel black	29
 Steel/stainless steel (INOX) black/blue	30, 32
 Stainless steel (INOX) blue	30, 31

### Steel/INOX/plastic Type PSF A



Versatile tool for multi-purpose grinding tasks. PFERD product characterized by aggressive grinding performance and long tool life. Optimizes inventory management due to its suitability for many materials.

#### Abrasive: Aluminium oxide A

Grit sizes: 40, 60, 80, 120

#### Workpiece materials:



Steel, stainless steel (INOX), plastic

#### Application:

Surface grinding, work on weld seams

#### Recommendation for use:

Achieves very good grinding results even at low contact pressure. Suitable for angle grinders of all output categories.

Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 115 A 40 PSF/22,23	512388	40	115 x 16 x 22,23 (7/8)	13.300	10	0,990
PFF 115 A 60 PSF/22,23	512395	60	115 x 15 x 22,23 (7/8)	13.300	10	0,880
PFF 115 A 80 PSF/22,23	512401	80	115 x 15 x 22,23 (7/8)	13.300	10	0,770
PFF 115 A 120 PSF/22,23	512418	120	115 x 13 x 22,23 (7/8)	13.300	10	0,750
PFF 125 A 40 PSF/22,23	512425	40	125 x 16 x 22,23 (7/8)	12.200	10	1,080
PFF 125 A 60 PSF/22,23	512432	60	125 x 15 x 22,23 (7/8)	12.200	10	1,000
PFF 125 A 80 PSF/22,23	512449	80	125 x 15 x 22,23 (7/8)	12.200	10	0,870
PFF 125 A 120 PSF/22,23	512456	120	125 x 13 x 22,23 (7/8)	12.200	10	0,840
PFF 180 A 40 PSF/22,23	512463	40	180 x 16 x 22,23 (7/8)	8.500	10	2,660
Conical type PFC						
PFC 115 A 40 PSF/22,23	444559	40	115 x 15 x 22,23 (7/8)	13.300	10	0,950
PFC 115 A 60 PSF/22,23	444566	60	115 x 14 x 22,23 (7/8)	13.300	10	0,870
PFC 115 A 80 PSF/22,23	444573	80	115 x 14 x 22,23 (7/8)	13.300	10	0,780
PFC 115 A 120 PSF/22,23	444580	120	115 x 12 x 22,23 (7/8)	13.300	10	0,730
PFC 125 A 40 PSF/22,23	444603	40	125 x 15 x 22,23 (7/8)	12.200	10	1,060
PFC 125 A 60 PSF/22,23	444610	60	125 x 14 x 22,23 (7/8)	12.200	10	1,010
PFC 125 A 80 PSF/22,23	444627	80	125 x 14 x 22,23 (7/8)	12.200	10	0,900
PFC 125 A 120 PSF/22,23	444634	120	125 x 12 x 22,23 (7/8)	12.200	10	0,860
PFC 180 A 40 PSF/22,23	444689	40	180 x 15 x 22,23 (7/8)	8.500	10	2,540
PFC 180 A 60 PSF/22,23	444696	60	180 x 14 x 22,23 (7/8)	8.500	10	2,440



Tool for demanding general-purpose applications.

PFERD product characterized by aggressive grinding action and long service life, particularly when used for edge grinding.

**Abrasive: Zirconia alumina Z**

Grit sizes: 40, 60, 80

**Workpiece materials:**

Steel, stainless steel (INOX)

**Application:**



Surface grinding, work on weld seams

**Recommendation for use:**

Optimum stock removal rates are achieved with high-powered angle grinders used at higher application pressures.

**Steel/INOX  
Type PSF ZIRKON**



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 115 Z 40 PSF/22,23	512487	40	115 x 15 x 22,23 (7/8)	13.300	10	0,850
PFF 115 Z 60 PSF/22,23	512494	60	115 x 14 x 22,23 (7/8)	13.300	10	0,800
PFF 115 Z 80 PSF/22,23	512500	80	115 x 14 x 22,23 (7/8)	13.300	10	0,780
PFF 125 Z 40 PSF/22,23	512517	40	125 x 15 x 22,23 (7/8)	12.200	10	1,000
PFF 125 Z 60 PSF/22,23	512524	60	125 x 14 x 22,23 (7/8)	12.200	10	0,920
PFF 125 Z 80 PSF/22,23	512531	80	125 x 14 x 22,23 (7/8)	12.200	10	0,900
PFF 180 Z 40 PSF/22,23	512548	40	180 x 15 x 22,23 (7/8)	8.500	10	2,400
PFF 180 Z 60 PSF/22,23	512555	60	180 x 15 x 22,23 (7/8)	8.500	10	2,230
Conical type PFC						
PFC 115 Z 40 PSF/22,23	377352	40	115 x 14 x 22,23 (7/8)	13.300	10	0,850
PFC 115 Z 60 PSF/22,23	444597	60	115 x 14 x 22,23 (7/8)	13.300	10	0,800
PFC 115 Z 80 PSF/22,23	377369	80	115 x 14 x 22,23 (7/8)	13.300	10	0,760
PFC 125 Z 40 PSF/22,23	377345	40	125 x 14 x 22,23 (7/8)	12.200	10	1,000
PFC 125 Z 60 PSF/22,23	444078	60	125 x 14 x 22,23 (7/8)	12.200	10	0,950
PFC 125 Z 80 PSF/22,23	377338	80	125 x 14 x 22,23 (7/8)	12.200	10	0,890
PFC 150 Z 40 PSF/22,23	805923	40	150 x 14 x 22,23 (7/8)	10.200	10	1,750
PFC 150 Z 60 PSF/22,23	805930	60	150 x 14 x 22,23 (7/8)	10.200	10	1,700
PFC 180 Z 40 PSF/22,23	377321	40	180 x 14 x 22,23 (7/8)	8.500	10	2,300
PFC 180 Z 60 PSF/22,23	444085	60	180 x 14 x 22,23 (7/8)	8.500	10	2,260





Steel/INOX/plastic  
Type SG A



Versatile tool for general professional use.  
PFERD product characterized by aggressive grinding action and outstanding tool life.

**Abrasive: Aluminium oxide A**

Grit sizes: 24, 40, 60, 80, 120

**Workpiece materials:**

Steel, stainless steel (INOX), plastic



**Application:**

Surface grinding, work on weld seams

**Recommendation for use:**

Achieves very high stock removal rates even at low contact pressure. Suitable for angle grinders of all output categories.



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 100 A 40 SG/16,0	262719	40	100 x 15 x 16,0 (5/8)	15.300	10	0,840
PFF 100 A 60 SG/16,0	262733	60	100 x 15 x 16,0 (5/8)	15.300	10	0,800
PFF 100 A 80 SG/16,0	262740	80	100 x 14 x 16,0 (5/8)	15.300	10	0,690
PFF 100 A 120 SG/16,0	262757	120	100 x 13 x 16,0 (5/8)	15.300	10	0,640
PFF 115 A 40 SG/22,23	167496	40	115 x 19 x 22,23 (7/8)	13.300	10	1,100
PFF 115 A 60 SG/22,23	167526	60	115 x 17 x 22,23 (7/8)	13.300	10	1,050
PFF 115 A 80 SG/22,23	167557	80	115 x 17 x 22,23 (7/8)	13.300	10	0,890
PFF 115 A 120 SG/22,23	167588	120	115 x 15 x 22,23 (7/8)	13.300	10	0,810
PFF 125 A 40 SG/22,23	167502	40	125 x 19 x 22,23 (7/8)	12.200	10	1,210
PFF 125 A 60 SG/22,23	167533	60	125 x 17 x 22,23 (7/8)	12.200	10	1,160
PFF 125 A 80 SG/22,23	167564	80	125 x 17 x 22,23 (7/8)	12.200	10	1,050
PFF 125 A 120 SG/22,23	167595	120	125 x 15 x 22,23 (7/8)	12.200	10	0,950
PFF 180 A 40 SG/22,23	167519	40	180 x 19 x 22,23 (7/8)	8.500	10	2,800
PFF 180 A 60 SG/22,23	167540	60	180 x 17 x 22,23 (7/8)	8.500	10	2,500
PFF 180 A 80 SG/22,23	167571	80	180 x 17 x 22,23 (7/8)	8.500	10	2,300
PFF 180 A 120 SG/22,23	167601	120	180 x 15 x 22,23 (7/8)	8.500	10	2,100
Conical type PFC						
PFC 115 A 24 SG/22,23	614969	24	115 x 17 x 22,23 (7/8)	13.300	10	1,100
PFC 115 A 40 SG/22,23	167809	40	115 x 17 x 22,23 (7/8)	13.300	10	1,100
PFC 115 A 60 SG/22,23	167830	60	115 x 17 x 22,23 (7/8)	13.300	10	0,980
PFC 115 A 80 SG/22,23	167861	80	115 x 17 x 22,23 (7/8)	13.300	10	0,850
PFC 115 A 120 SG/22,23	167892	120	115 x 15 x 22,23 (7/8)	13.300	10	0,830
PFC 125 A 24 SG/22,23	614976	24	125 x 17 x 22,23 (7/8)	12.200	10	1,200
PFC 125 A 40 SG/22,23	167816	40	125 x 17 x 22,23 (7/8)	12.200	10	1,200
PFC 125 A 60 SG/22,23	167847	60	125 x 17 x 22,23 (7/8)	12.200	10	1,140
PFC 125 A 80 SG/22,23	167878	80	125 x 17 x 22,23 (7/8)	12.200	10	0,960
PFC 125 A 120 SG/22,23	167908	120	125 x 15 x 22,23 (7/8)	12.200	10	0,930
PFC 180 A 24 SG/22,23	167793	24	180 x 19 x 22,23 (7/8)	8.500	10	2,800
PFC 180 A 40 SG/22,23	167823	40	180 x 17 x 22,23 (7/8)	8.500	10	2,700
PFC 180 A 60 SG/22,23	167854	60	180 x 17 x 22,23 (7/8)	8.500	10	2,400
PFC 180 A 80 SG/22,23	167885	80	180 x 17 x 22,23 (7/8)	8.500	10	2,230
PFC 180 A 120 SG/22,23	167915	120	180 x 15 x 22,23 (7/8)	8.500	10	2,100



High performance tool for maximum cost-efficiency in demanding grinding jobs. PFERD product characterized by aggressive grinding action and exceptional tool life.

**Abrasive: Zirconia alumina Z**

Grit sizes: 40, 60

**Workpiece materials:**

Steel, stainless steel (INOX)

**Application:**



Work on weld seams, chamfering, surface grinding on steel

**Recommendation for use:**

Zirconia alumina grain is a high-performance abrasive medium delivering optimum performance on high-powered angle grinders at higher contact pressures.

**Steel/INOX  
Type SG ZIRKON**



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 115 Z 40 SG/22,23	167618	40	115 x 18 x 22,23 (7/8)	13.300	10	1,100
PFF 115 Z 60 SG/22,23	167649	60	115 x 18 x 22,23 (7/8)	13.300	10	1,100
PFF 125 Z 40 SG/22,23	167625	40	125 x 18 x 22,23 (7/8)	12.200	10	1,300
PFF 125 Z 60 SG/22,23	167656	60	125 x 18 x 22,23 (7/8)	12.200	10	1,200
PFF 180 Z 40 SG/22,23	167632	40	180 x 20 x 22,23 (7/8)	8.500	10	3,100
PFF 180 Z 60 SG/22,23	167663	60	180 x 18 x 22,23 (7/8)	8.500	10	2,800
Conical type PFC						
PFC 115 Z 40 SG/22,23	167922	40	115 x 17 x 22,23 (7/8)	13.300	10	1,100
PFC 115 Z 60 SG/22,23	167953	60	115 x 17 x 22,23 (7/8)	13.300	10	1,100
PFC 125 Z 40 SG/22,23	167939	40	125 x 17 x 22,23 (7/8)	12.200	10	1,200
PFC 125 Z 60 SG/22,23	167960	60	125 x 17 x 22,23 (7/8)	12.200	10	1,140
PFC 180 Z 40 SG/22,23	167946	40	180 x 20 x 22,23 (7/8)	8.500	10	3,100
PFC 180 Z 60 SG/22,23	167977	60	180 x 17 x 22,23 (7/8)	8.500	10	2,800



High performance tool for maximum cost-efficiency in demanding grinding jobs. PFERD product characterized by aggressive grinding action and exceptional tool life.

**Abrasive: Zirconia alumina Z**

Grit sizes: 40, 60

**Workpiece materials:**

Steel

**Application:**



Work on weld seams, chamfering, deburring

**Recommendation for use:**

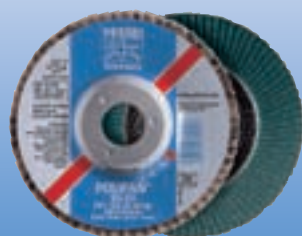
Zirconia alumina grain is a high-performance abrasive medium delivering optimum performance on high-powered angle grinders.

**Steel  
Type SG ZIRKON-COMPACT**



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Conical type PFC						
PFC 115 Z 40 SG-COMPACT/22,23	614785	40	115 x 18 x 22,23 (7/8)	13.300	10	1,100
PFC 115 Z 60 SG-COMPACT/22,23	614846	60	115 x 18 x 22,23 (7/8)	13.300	10	1,100
PFC 125 Z 40 SG-COMPACT/22,23	614808	40	125 x 18 x 22,23 (7/8)	12.200	10	1,300
PFC 125 Z 60 SG-COMPACT/22,23	614860	60	125 x 18 x 22,23 (7/8)	12.200	10	1,200

### INOX Type SG ZA



Professional tool for demanding grinding work.  
PFERD design with high stock removal and tool life.

**Abrasive:** Zirconia alumina/  
aluminium oxide ZA

Grit sizes: 24, 40, 60, 80

**Workpiece materials:**

Stainless steel (INOX)

**Application:**



Surface grinding, work on weld seams

**Recommendation for use:**

The high-performance abrasive zirconia alumina remains its good cutting qualities in particular during surface cutting on stainless steel (INOX) and does not glaze.

Can be used on angle grinders of all output categories.



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 100 ZA 40 SG/16,0	800126	40	100 x 15 x 16,0 (5/8)	15.300	10	0,760
PFF 100 ZA 60 SG/16,0	800133	60	100 x 14 x 16,0 (5/8)	15.300	10	0,760
PFF 100 ZA 80 SG/16,0	800140	80	100 x 14 x 16,0 (5/8)	15.300	10	0,760
PFF 115 ZA 40 SG/22,23	800300	40	115 x 18 x 22,23 (7/8)	13.300	10	0,900
PFF 115 ZA 60 SG/22,23	800317	60	115 x 17 x 22,23 (7/8)	13.300	10	0,900
PFF 115 ZA 80 SG/22,23	800324	80	115 x 16 x 22,23 (7/8)	13.300	10	0,900
PFF 125 ZA 40 SG/22,23	800331	40	125 x 18 x 22,23 (7/8)	12.200	10	1,080
PFF 125 ZA 60 SG/22,23	800348	60	125 x 17 x 22,23 (7/8)	12.200	10	1,080
PFF 125 ZA 80 SG/22,23	800355	80	125 x 17 x 22,23 (7/8)	12.200	10	1,080
PFF 180 ZA 24 SG/22,23	800362	24	180 x 19 x 22,23 (7/8)	8.500	10	2,860
PFF 180 ZA 40 SG/22,23	800379	40	180 x 18 x 22,23 (7/8)	8.500	10	2,860
PFF 180 ZA 60 SG/22,23	800386	60	180 x 17 x 22,23 (7/8)	8.500	10	2,860
PFF 180 ZA 80 SG/22,23	800393	80	180 x 16 x 22,23 (7/8)	8.500	10	2,860
Conical type PFC						
PFC 115 ZA 40 SG/22,23	800409	40	115 x 17 x 22,23 (7/8)	13.300	10	0,930
PFC 115 ZA 60 SG/22,23	800416	60	115 x 17 x 22,23 (7/8)	13.300	10	0,930
PFC 115 ZA 80 SG/22,23	800423	80	115 x 16 x 22,23 (7/8)	13.300	10	0,930
PFC 125 ZA 40 SG/22,23	800430	40	125 x 17 x 22,23 (7/8)	12.200	10	1,030
PFC 125 ZA 60 SG/22,23	800447	60	125 x 17 x 22,23 (7/8)	12.200	10	1,030
PFC 125 ZA 80 SG/22,23	800454	80	125 x 16 x 22,23 (7/8)	12.200	10	1,030
PFC 180 ZA 24 SG/22,23	800461	24	180 x 19 x 22,23 (7/8)	8.500	10	2,860
PFC 180 ZA 40 SG/22,23	800478	40	180 x 17 x 22,23 (7/8)	8.500	10	2,860
PFC 180 ZA 60 SG/22,23	800485	60	180 x 17 x 22,23 (7/8)	8.500	10	2,860
PFC 180 ZA 80 SG/22,23	800492	80	180 x 16 x 22,23 (7/8)	8.500	10	2,860





Professional tool for grinding to high surface finish standards with low heat input. PFERD product characterized by particularly low heat build-up on materials of poor thermal conductivity.

**Abrasive: Aluminium oxide A with coating**

Grit sizes: 40, 60, 80

**Workpiece materials:**

Stainless steel (INOX), aluminium, non-ferrous metals

**Application:**

Cool surface grinding, work on weld seams



**Recommendation for use:**

Ensures low build-up of heat in the workpiece when used with minimum contact pressure on variable-speed angle grinders at low RPM levels.

Performs exceptionally well on sheet metal and thin sectional material.

**INOX/aluminium/non-ferrous metals  
Type SG A-COOL**



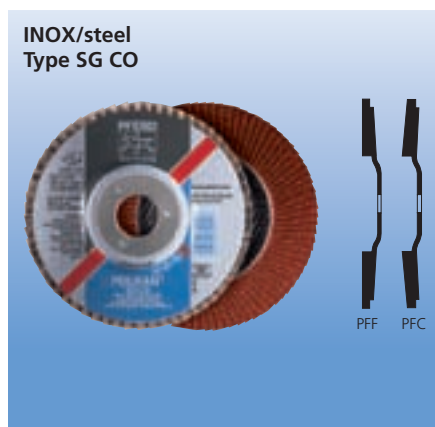
Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 100 A 40 SG-COOL/16,0	262764	40	100 x 15 x 16,0 (5/8)	15.300	10	0,860
PFF 100 A 60 SG-COOL/16,0	262771	60	100 x 14 x 16,0 (5/8)	15.300	10	0,800
PFF 100 A 80 SG-COOL/16,0	262788	80	100 x 14 x 16,0 (5/8)	15.300	10	0,770
PFF 115 A 40 SG-COOL/22,23	222737	40	115 x 18 x 22,23 (7/8)	13.300	10	1,100
PFF 115 A 60 SG-COOL/22,23	222744	60	115 x 17 x 22,23 (7/8)	13.300	10	1,100
PFF 115 A 80 SG-COOL/22,23	222751	80	115 x 17 x 22,23 (7/8)	13.300	10	1,040
PFF 125 A 40 SG-COOL/22,23	232910	40	125 x 18 x 22,23 (7/8)	12.200	10	1,300
PFF 125 A 60 SG-COOL/22,23	232934	60	125 x 17 x 22,23 (7/8)	12.200	10	1,200
PFF 125 A 80 SG-COOL/22,23	232958	80	125 x 17 x 22,23 (7/8)	12.200	10	1,200
PFF 180 A 40 SG-COOL/22,23	222768	40	180 x 18 x 22,23 (7/8)	8.500	10	2,800
PFF 180 A 60 SG-COOL/22,23	232989	60	180 x 17 x 22,23 (7/8)	8.500	10	2,600
PFF 180 A 80 SG-COOL/22,23	233009	80	180 x 17 x 22,23 (7/8)	8.500	10	2,600
Conical type PFC						
PFC 115 A 40 SG-COOL/22,23	232880	40	115 x 17 x 22,23 (7/8)	13.300	10	1,170
PFC 115 A 60 SG-COOL/22,23	232897	60	115 x 16 x 22,23 (7/8)	13.300	10	1,100
PFC 115 A 80 SG-COOL/22,23	232903	80	115 x 16 x 22,23 (7/8)	13.300	10	1,100
PFC 125 A 40 SG-COOL/22,23	232927	40	125 x 17 x 22,23 (7/8)	12.200	10	1,300
PFC 125 A 60 SG-COOL/22,23	232941	60	125 x 16 x 22,23 (7/8)	12.200	10	1,300
PFC 125 A 80 SG-COOL/22,23	232965	80	125 x 16 x 22,23 (7/8)	12.200	10	1,200
PFC 180 A 40 SG-COOL/22,23	232972	40	180 x 17 x 22,23 (7/8)	8.500	10	2,800
PFC 180 A 60 SG-COOL/22,23	232996	60	180 x 16 x 22,23 (7/8)	8.500	10	2,600
PFC 180 A 80 SG-COOL/22,23	233016	80	180 x 16 x 22,23 (7/8)	8.500	10	2,400

### Ceramic grit – advantages for the user

- Consistent high performance and optimum grinding tool use, as the ceramic grit re-sharpens itself repeatedly during the grinding process.
- Highest stock removal and very long tool life because the abrasive clogs up less and the active grinding substances clearly improve stock removal.
- Reduction in processing times and simultaneous improvement of the surface finish: Reduced working steps, working costs and corresponding improvement in cost effectiveness.
- Particularly cool grinding of low heat conducting materials ensures optimum grinding results without heat damage to the material.

### Application examples

- Grinding work on V4A stainless steel components from the sewage and water management sectors.
- Fine grinding work in engine and turbine construction and their maintenance.
- Grinding during the production of gas, steam and water turbines.
- Surface machining in vehicle and commercial vehicle construction.
- Work on hard weld seams in steel construction.



Professional tool for demanding grinding work on materials which are hard to cut. PFERD design with highly-abrasive stock removal and high economic efficiency.

#### Abrasive: Ceramic oxide CO

Grit sizes: 40, 60

#### Workpiece materials:

Alloyed, high-alloy and rustproof steel, nickel-based alloys, titanium alloys



#### Application:

Surface grinding, work on weld seams

#### Recommendation for use:

The self-sharpening ceramic grit achieves optimum grinding results without producing annealing colour. Can also be used on hard mill scale. Best grinding results on high-performance angle grinders.



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 115 CO 40 SG/22,23	800157	40	115 x 18 x 22,23 (7/8)	13.300	10	0,950
PFF 115 CO 60 SG/22,23	800164	60	115 x 17 x 22,23 (7/8)	13.300	10	0,950
PFF 125 CO 40 SG/22,23	800171	40	125 x 18 x 22,23 (7/8)	12.200	10	1,170
PFF 125 CO 60 SG/22,23	800188	60	125 x 17 x 22,23 (7/8)	12.200	10	1,170
Conical type PFC						
PFC 115 CO 40 SG/22,23	800195	40	115 x 18 x 22,23 (7/8)	13.300	10	0,950
PFC 115 CO 60 SG/22,23	800201	60	115 x 17 x 22,23 (7/8)	13.300	10	0,950
PFC 125 CO 40 SG/22,23	800218	40	125 x 18 x 22,23 (7/8)	12.200	10	1,170
PFC 125 CO 60 SG/22,23	800225	60	125 x 17 x 22,23 (7/8)	12.200	10	1,170



The patented POLIFAN®-STRONG construction shape opens up a completely new dimension in grinding work on steel.

Superb features give great benefit as far as performance is concerned:

- Quick grinding due to consistent highly-abrasive quality right up to the last of the abrasive grit. High economic efficiency due to increased performance per time unit.
- Largest possible stock removal. High cost effectiveness due to less wear on disc.
- Extremely long tool life. High economic efficiency due to reductions in tool changes and tooling times.
- Optimum use of your high-performance tool drive.

**Abrasive: Zirconia alumina Z**

Grit sizes: 36, 50

**Workpiece materials:**

Steel

**Application:**

Work on weld seams, chamfering, deburring

**Recommendation for use:**

Grit size 36 is ideal for coarse grinding of steel, e.g. work on weld seams.

Grit size 50 is perfectly suited for work on edges, e.g. chamfering, deburring.



Abrasive, flaps and backing pad types are designed for use on high-performance tool drives.

Achieves best grinding results on air turbine grinders and high-performance electric angle grinders.

**Steel**  
**Type SGP ZIRKON-STRONG**



PFC

Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Conical type PFC						
PFC 115 Z 36 SGP-STRONG/22,23	777862	36	115 x 18 x 22,23 (7/8)	13.300	10	1,200
PFC 115 Z 50 SGP-STRONG/22,23	777879	50	115 x 18 x 22,23 (7/8)	13.300	10	1,200
PFC 125 Z 36 SGP-STRONG/22,23	777886	36	125 x 18 x 22,23 (7/8)	12.200	10	1,320
PFC 125 Z 50 SGP-STRONG/22,23	777893	50	125 x 18 x 22,23 (7/8)	12.200	10	1,320





# POLIFAN® Flap Discs

## Special Line SGP



### Steel/INOX Type SGP ZIRKON-POWER



Highly resilient and abrasive special tool for chamfering and deburring work with high stock removal requirements. PFERD design with long tool life and good cost effectiveness.

#### Abrasive: Zirconia alumina Z

Grit sizes: 40, 60

#### Workpiece materials:

Steel, stainless steel (INOX)

#### Application:

Work on weld seams, chamfering, deburring

#### Recommendation for use:

The high-performance abrasive zirconia alumina achieves its best grinding results on air turbine grinders and high-performance electric angle grinders.



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Conical type PFC						
PFC 115 Z 40 SGP-POWER/22,23	618578	40	115 x 17 x 22,23 (7/8)	13.300	10	0,890
PFC 115 Z 60 SGP-POWER/22,23	758717	60	115 x 17 x 22,23 (7/8)	13.300	10	0,890
PFC 125 Z 40 SGP-POWER/22,23	614631	40	125 x 17 x 22,23 (7/8)	12.200	10	1,170
PFC 125 Z 60 SGP-POWER/22,23	758724	60	125 x 17 x 22,23 (7/8)	12.200	10	1,170
PFC 180 Z 40 SGP-POWER/22,23	618585	40	180 x 19 x 22,23 (7/8)	8.500	10	2,780

### INOX Type SGP ZIRKON-COOL



Special-purpose tool for demanding grinding tasks with minimum heat loads. PFERD product characterized by particularly low heat build-up, aggressive stock removal and high cost-efficiency.

#### Abrasive: Zirconia alumina Z with patented COOLFLAP® flaps.

Grit sizes: 40, 60, 80

#### Workpiece materials:

Stainless steel (INOX), materials which do not conduct heat well

#### Application:

Surface grinding, work on weld seams

#### Recommendation for use:

The combination of abrasive and COOLFLAP® elements provides best grinding results on stainless steel without heat discoloration. Suitable for use with high powered angle grinders at medium working pressures.



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 115 Z 40 SGP-COOL/22,23	611838	40	115 x 18 x 22,23 (7/8)	13.300	10	1,110
PFF 115 Z 60 SGP-COOL/22,23	611845	60	115 x 18 x 22,23 (7/8)	13.300	10	1,110
PFF 115 Z 80 SGP-COOL/22,23	611852	80	115 x 18 x 22,23 (7/8)	13.300	10	1,110
PFF 125 Z 40 SGP-COOL/22,23	611869	40	125 x 18 x 22,23 (7/8)	12.200	10	1,350
PFF 125 Z 60 SGP-COOL/22,23	611876	60	125 x 18 x 22,23 (7/8)	12.200	10	1,350
PFF 125 Z 80 SGP-COOL/22,23	611883	80	125 x 18 x 22,23 (7/8)	12.200	10	1,350
Conical type PFC						
PFC 115 Z 40 SGP-COOL/22,23	611777	40	115 x 16 x 22,23 (7/8)	13.300	10	1,110
PFC 115 Z 60 SGP-COOL/22,23	611784	60	115 x 16 x 22,23 (7/8)	13.300	10	1,110
PFC 115 Z 80 SGP-COOL/22,23	611791	80	115 x 16 x 22,23 (7/8)	13.300	10	1,110
PFC 125 Z 40 SGP-COOL/22,23	611807	40	125 x 16 x 22,23 (7/8)	12.200	10	1,320
PFC 125 Z 60 SGP-COOL/22,23	611814	60	125 x 16 x 22,23 (7/8)	12.200	10	1,320
PFC 125 Z 80 SGP-COOL/22,23	611821	80	125 x 16 x 22,23 (7/8)	12.200	10	1,320

Special tool for ultra-demanding grinding jobs on materials of very poor thermal conductivity. This PFERD product is noted for its particularly cool grinding properties, aggressive stock removal even at low contact pressure, and high cost efficiency.

**Abrasive: CO-COOL ceramic oxide with coating**

Grit sizes: 40, 60

**Workpiece materials:**

High-alloy and rustproof steel, nickel-based alloys, titanium alloys, aluminium/non-ferrous metals

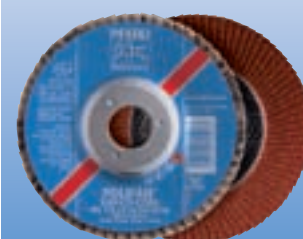
**Application:**



Surface grinding, work on weld seams, chamfering and deburring of aluminium/non-ferrous metals

**Recommendation for use:**

The self-sharpening action of the ceramic grain is effective even at low contact pressures, giving optimum grinding performance without heat discoloration of the workpiece. This product is also suitable for use on hard rolling skin (scale). It delivers optimum results when used with a high-powered angle grinder.

**INOX/non-ferrous metals  
Type SGP CO-COOL**



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Flat type PFF						
PFF 115 CO 40 SGP-COOL/22,23	725436	40	115 x 18 x 22,23 (7/8)	13.300	10	1,120
PFF 115 CO 60 SGP-COOL/22,23	793145	60	115 x 17 x 22,23 (7/8)	13.300	10	1,120
PFF 125 CO 40 SGP-COOL/22,23	725450	40	125 x 18 x 22,23 (7/8)	12.200	10	1,320
PFF 125 CO 60 SGP-COOL/22,23	793152	60	125 x 17 x 22,23 (7/8)	12.200	10	1,290
PFF 180 CO 40 SGP-COOL/22,23	725474	40	180 x 20 x 22,23 (7/8)	8.500	10	2,600
Conical type PFC						
PFC 115 CO 40 SGP-COOL/22,23	725443	40	115 x 17 x 22,23 (7/8)	13.300	10	1,120
PFC 115 CO 60 SGP-COOL/22,23	793169	60	115 x 16 x 22,23 (7/8)	13.300	10	1,120
PFC 125 CO 40 SGP-COOL/22,23	725467	40	125 x 17 x 22,23 (7/8)	12.200	10	1,320
PFC 125 CO 60 SGP-COOL/22,23	793176	60	125 x 16 x 22,23 (7/8)	12.200	10	1,290
PFC 180 CO 40 SGP-COOL/22,23	725481	40	180 x 20 x 22,23 (7/8)	8.500	10	2,600



## ABRACLEAN® Cleaning Stick

Special-purpose accessory for cleaning loaded abrasive tools. PFERD product providing powerful cleaning action on coated abrasive products.

**Recommendation for use:**

For cleaning loaded fibre discs, POLIFAN® wheels and abrasive belts, the cleaning stick is held against the rotating tool. Wear protective glasses while using this product!

**ABRACLEAN® cleaning stick**



Order No.	EAN 4007220	Dimension [mm]		
RG 300 50	165225	300 x 50 x 50	2	1,690

# POLIFAN® Flap Discs

## Special Line SGP



### Steel/INOX Type SGP ZIRKON-CURVE



POLIFAN®-CURVE is a PFERD innovation for work on fillet welds. The unique radial construction shape (PFR) has unique advantages for any difficult and demanding work on fillet welds due to its special flap design arrangement:

- Unequalled quick and highly abrasive grinding due to high stock removal, and therefore substantial savings on labour costs.
- Precise and optimum grinding out of fillet welds.
- Dimensional stability for high-quality work results.
- Excellent tool life when working on fillet welds.

- Optimum use of the grinding material on the radius.

#### Abrasive: Zirconia alumina Z

Grit sizes: 40

#### Workpiece materials:

Steel, stainless steel (INOX)

#### Application:



Fillet weld grinding, chamfering, deburring

#### Recommendation for use:

The best results are achieved on high-performance angle grinders.

Type M for fillet weld radii > 5 mm

Type L for fillet weld radii > 8 mm

Order No.	EAN 4007220	Grit size	Fillet weld width	D x T x H [mm (inch)]	Max. speed [RPM]		
Radial type PFR							
PFR 125 Z 40 SGP-CURVE M/22,23	790151	40	> 5 mm	125 x 14 x 22,23 (7/8)	12.200	10	1,055
PFR 125 Z 40 SGP-CURVE L/22,23	790175	40	> 8 mm	125 x 16 x 22,23 (7/8)	12.200	10	1,225



### Steel/INOX Type SGP ZIRKON-CORNER



Special tool for grinding work on fillet welds and angles which are hard to reach. PFERD design with projection flaps which project far out over the tool and providing high stock removal.

#### Abrasive: Zirconia alumina Z

Grit size: 40

#### Workpiece materials:

Steel, stainless steel (INOX)

#### Application:



Work on fillet welds and angles

#### Recommendation for use:

The projecting flaps adapt especially well to concave contours. After the projecting part

of the flaps have worn down, the tool can be used as a conventional flap disc. Suitable for angle grinders of all performance types.



Order No.	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. speed [RPM]		
Conical type PFC						
PFC 125 Z 40 SGP-CORNER/22,23	614648	40	125 x 15 x 22,23 (7/8)	12.200	10	1,170









### Thin cut-off wheels Fast, aggressive and convenient

Thin cut-off wheels 0,8/1,0 and 1,6 mm wide convince customers with their

- extremely easy-cutting and
- cut straight without "wandering".
- minimum burr formation

PFERD products for cutting thin plates and thin-walled sections are very economical and productive. Their technical benefits are outstanding.



### Cut-off wheels for work on stainless steel (INOX)

The importance of INOX materials is continually growing due to their special material properties.

In cutting sheet metal and sectional products, high loads and excessive heat input must be avoided to prevent thermal distortion and subsequent corrosion problems.

PFERD cut-off wheels for use on stainless steel meet these requirements perfectly through their permanent free-cutting action and minimum friction in the cut.

Similar benefits are obtained with these tools on tough and hard aluminium.



### Cut-off wheels for the most demanding of operating conditions

Cut-Off Wheels are often used in the most demanding of conditions.

They must have high lateral stability and stiffness, whether during removal of risers and sprues in the foundries or in performing deep cuts in solid material or sections where a high lateral stability and stiffness are required.

PFERD provides very stable designs of up to 3,4 mm in width for maximum loads and fracture resistance.

The use of large clamping flanges (dia. 76 mm, page 49) increases the safety for the user – above all when used on air turbine and high-frequency angle grinders.



### Product lines

PFERD cut-off wheels provide optimum abrasive results. Choose from three product lines with different performance characteristics to match the specific material, power tool type, and machining task.



#### Universal line PS-FORTE

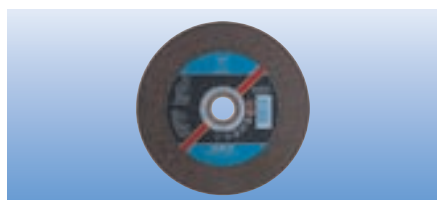
General use in industry and crafts.

The highly differentiated product lines can be used for all practical machining tasks. You can always choose the optimal cut-off wheel for the respective application.



#### Performance line SG-ELASTIC

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



#### Special line SG-PLUS

For special industrial applications.

### The fast way to the best tool

Starting with the application ① and material ②, the chart shows the various types of tools in the PFERD range and helps you to find the best tool.

① Application	② Material		Steel, cast steel		Stainless steel (INOX)		Scale, cast iron		Cast iron, stone		Aluminium, non-ferrous metals	
	Type	page	Type	page	Type	page	Type	page	Type	page	Type	page
Cutting of sheet metal and thin-walled profiles < 3 mm	<b>PS-FORTE</b>		<b>PS-FORTE</b>		<b>PS-FORTE</b>						<b>SG-ELASTIC</b>	
	Hardness P	37	Hardness P (INOX)	38			—		—		Hardness N	43
	<b>SG-ELASTIC</b>		<b>SG-ELASTIC</b>								Hardness P	44
	Hardness S	40	Hardness R (INOX)	41								
	Hardness P	44	Hardness P	44								
Cutting solid material and profiles	<b>SG-PLUS</b>		<b>SG-PLUS</b>									
	Hardness T	47	Hardness S (INOX)	48								
	<b>PS-FORTE</b>		<b>PS-FORTE</b>								<b>PS-FORTE</b>	
	Hardness P	37	Hardness P (INOX)	38					<b>PS-FORTE</b>		Hardness P (C)	39
	<b>SG-ELASTIC</b>		<b>SG-ELASTIC</b>				<b>SG-ELASTIC</b>		<b>SG-ELASTIC</b>		<b>SG-ELASTIC</b>	
	Hardness S	40, 45	Hardness R (INOX)	41			Hardness Q	42	Hardness P (C)	39	Hardness N	43, 45
	<b>SG-PLUS</b>		Hardness Q (INOX casting)	42			<b>SG-PLUS</b>		Hardness R (C)	43, 46	Hardness R (C)	43
	Hardness T	47	<b>SG-PLUS</b>				Hardness Q	49	Hardness Q	46		
			Hardness S (INOX)	48								
			Hardness Q (INOX casting)	49								



### PFERD order no.

EHT 178-1,6 A 46 R SG-INOX

1 2 3 4 5 6 7 8

### 1. Designation and shape of the tool

EHT = Flat type

EH = Depressed centre type

### 2. Outer diameter

Outer dia. D in [mm]

### 3. Disc width

Width T/U in [mm]

### 4. Abrasive

A = Aluminium oxide

AC = Aluminium oxide/silicon carbide

C = Silicon carbide

ZA = Zirconia alumina/aluminium oxide

### 5. Grit size

Grit size acc. ISO 8486

### 6. Hardness grade (disc properties)

Hardness grade	Disc characteristics	Material groups
<b>Universal line PS-FORTE (PSF)</b>		
P	medium-hard	Steel, stainless steel (INOX), stone
<b>Performance line SG-ELASTIC (SG)</b>		
N	soft	Aluminium/non-ferr. metals
P	medium-hard	Steel, stainless steels (INOX), castings, non-ferr. metals
Q	medium-hard	INOX castings, castings
R	hard	Stainless steel (INOX), stone
S	hard	Steel
<b>Special line SG-PLUS (SGP)</b>		
Q	medium-hard	INOX castings
S	hard	Stainless steel (INOX)
T	very hard	Steel

### 7. PFERD product line

Universal line PS-FORTE

Performance line SG-ELASTIC

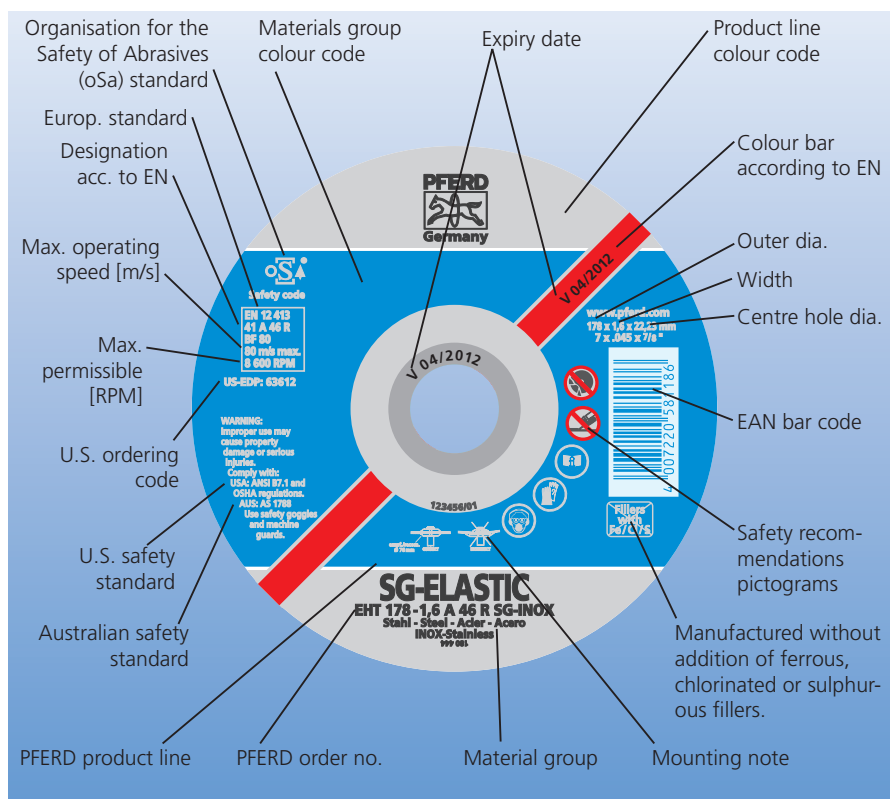
Special line SG-PLUS

### 8. Material group

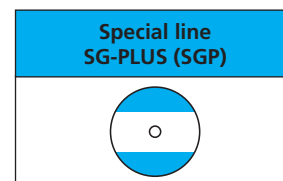
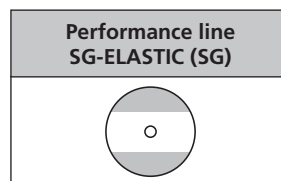
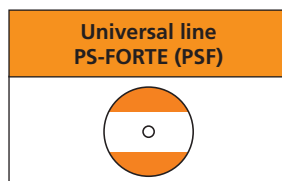
INOX

INOX casting

ALU



### Colour coding of the three product lines



### Colour coding for the recommended materials to be ground

Universal line PS-FORTE (PSF)		
Material = Colour		Page
	Steel black	37
	Stainless steel (INOX) blue	38
	Non-ferrous metals/aluminium/stone silver/green	39

Performance line SG-ELASTIC (SG)		
Material = Colour		Page
	Steel black	40, 45
	Stainless steel (INOX) blue	41
	INOX castings blue/red	42
	Cast iron red	42
	Stone/cast iron green/red	46
	Stone green	43, 46
	Non-ferrous metals/aluminium silver	43, 45

Special line SG-PLUS (SGP)		
Material = Colour		Page
	Steel black	47
	Stainless steel (INOX) blue	48
	INOX castings blue/red	49
	Cast iron red	49

### Designation acc. to EN 12413

41 A 46 R BF 80

1 2 3 4 5 6

### 1. Designation and shape of the tool

41 = Flat type

42 = Depressed centre type

### 2. Abrasive

A = Aluminium oxide

C = Silicon carbide

Z = Zirconia alumina

ZA = Zirconia alumina/aluminium oxide

### 3. Grit size

Grit size acc. to ISO 8486

### 4. Hardness grade (disc properties)

The hardness is graded from soft to hard by means of letters in alphabetically ascending order (A to Z).

### 5. Bond

BF = Fibre-reinforced resinoid bond, woven or non-woven

### 6. Max. operating speed in [m/s]

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

**Abrasive: Aluminium oxide A**

**Workpiece materials:**  
Steel

**Application:**  
Cutting of steel metal, sections and solid  
materials

**Recommendation for use:**



Disc thickness 1,9/1,6/1,0 mm for fast, con-  
venient cutting with minimized burr formation.  
Disc thickness 2,4 mm for general cutting  
applications.  
Disc thickness 3,2/3,0 mm for maximum tool  
life with high lateral stability.

Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76,  
page 49) increases the lateral stability and  
ensures accurate disc guidance, especially for  
thin cut-off wheels in flat type, dia. 178 and  
230 mm.

**Steel**  
**Medium-hard type - hardness grade P**



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
Depressed centre type (form 42)						
EH 100-2,4 A 46 P PSF/16,0	163511	42 A 46 P BF 80	100 x 2,4 x 16,0 (5/8)	15.300	25	0,950
EH 100-3,2 A 46 P PSF/16,0	522981	42 A 46 P BF 80	100 x 3,2 x 16,0 (5/8)	15.300	25	1,450
EH 115-2,4 A 46 P PSF/22,23	163528	42 A 46 P BF 80	115 x 2,4 x 22,23 (7/8)	13.300	25	1,375
EH 115-3,2 A 46 P PSF/22,23	522998	42 A 46 P BF 80	115 x 3,2 x 22,23 (7/8)	13.300	25	1,875
EH 125-2,4 A 46 P PSF/22,23	163429	42 A 46 P BF 80	125 x 2,4 x 22,23 (7/8)	12.200	25	1,750
EH 125-3,2 A 46 P PSF/22,23	523001	42 A 46 P BF 80	125 x 3,2 x 22,23 (7/8)	12.200	25	2,250
EH 178-3,0 A 24 P PSF/22,23	163436	42 A 24 P BF 80	178 x 3,0 x 22,23 (7/8)	8.600	25	4,025
EH 230-3,0 A 24 P PSF/22,23	163450	42 A 24 P BF 80	230 x 3,0 x 22,23 (7/8)	6.600	25	7,125
Flat type EHT (form 41)						
EHT 100-2,4 A 46 P PSF/16,0	321256	41 A 46 P BF 80	100 x 2,4 x 16,0 (5/8)	15.300	25	0,950
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 115-2,4 A 46 P PSF/22,23	669174	41 A 46 P BF 80	115 x 2,4 x 22,23 (7/8)	13.300	25	1,475
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 125-2,4 A 46 P PSF/22,23	669167	41 A 46 P BF 80	125 x 2,4 x 22,23 (7/8)	12.200	25	1,750
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 178-3,0 A 24 P PSF/22,23	163474	41 A 24 P BF 80	178 x 3,0 x 22,23 (7/8)	8.600	25	4,025
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
EHT 230-3,0 A 24 P PSF/22,23	163498	41 A 24 P BF 80	230 x 3,0 x 22,23 (7/8)	6.600	25	7,125



### INOX Medium-hard type - hardness grade P (INOX)



Multipurpose tool of hardness grade P-INOX, for reduced heat build-up. PFERD product for cutting with low heat input. Provides fast stock removal and long tool life.

#### Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous and chlorinated fillers.

#### Workpiece materials:

Stainless steel (INOX)

#### Application:

Cutting of steel metal, sectional and solid materials

#### Recommendation for use:



Disc thickness 1,9/1,8/1,6/1,2/1,0 mm for fast, convenient cutting with minimized burr formation.

Disc thickness 2,5/2,4 mm for universal cutting work.

Disc thickness 3,2 mm for maximum tool life and high lateral stability.

Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76, page 49) 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]		
Depressed centre type (form 42)						
EH 100-3,2 A 46 P PSF-INOX/16,0	523018	42 A 46 P BF 80	100 x 3,2 x 16,0 (5/8)	15.300	25	1,450
EH 115-3,2 A 46 P PSF-INOX/22,23	523032	42 A 46 P BF 80	115 x 3,2 x 22,23 (7/8)	13.300	25	1,875
EH 125-3,2 A 46 P PSF-INOX/22,23	523056	42 A 46 P BF 80	125 x 3,2 x 22,23 (7/8)	12.200	25	2,250
EH 178-2,5 A 24 P PSF-INOX/22,23	523070	42 A 24 P BF 80	178 x 2,5 x 22,23 (7/8)	8.600	25	3,500
EH 230-2,5 A 24 P PSF-INOX/22,23	523094	42 A 24 P BF 80	230 x 2,5 x 22,23 (7/8)	6.600	25	5,750
Flat type EHT (form 41)						
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 115-2,4 A 46 P PSF-INOX/22,23	523025	41 A 46 P BF 80	115 x 2,4 x 22,23 (7/8)	13.300	25	1,475
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 125-2,4 A 46 P PSF-INOX/22,23	523049	41 A 46 P BF 80	125 x 2,4 x 22,23 (7/8)	12.200	25	1,625
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 178-2,5 A 24 P PSF-INOX/22,23	523063	41 A 24 P BF 80	178 x 2,5 x 22,23 (7/8)	8.600	25	3,200
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
EHT 230-2,5 A 24 P PSF-INOX/22,23	523087	41 A 24 P BF 80	230 x 2,5 x 22,23 (7/8)	6.600	25	5,750





Multipurpose tool of hardness grade P for cutting solid material.  
PFERD product characterized by aggressive cutting action and long tool life.

**Abrasive: Silicon carbide C**

**Workpiece materials:**

Natural stone, synthetic stone, fire-resistant stone, aluminium, non-ferrous metals

**Application:**

Cutting of solid material

**Recommendation for use:**

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



Disc thickness 2,4 mm for universal cutting work.

Disc thickness 3,2/3,0 mm for maximum tool life with high lateral stability.

Suitable for angle grinders of all output levels.

**Stone/aluminium/non-ferrous metals  
Medium-hard type - hardness grade P**



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
Depressed centre type (form 42)						
EH 100-2,4 C 30 P PSF/16,0	523124	42 C 30 P BF 80	100 x 2,4 x 16,0 (5/8)	15.300	25	0,875
EH 115-2,4 C 30 P PSF/22,23	163665	42 C 30 P BF 80	115 x 2,4 x 22,23 (7/8)	13.300	25	1,150
EH 125-2,4 C 30 P PSF/22,23	163597	42 C 30 P BF 80	125 x 2,4 x 22,23 (7/8)	12.200	25	1,375
EH 150-3,0 C 24 P PSF/22,23	523131	42 C 24 P BF 80	150 x 3,0 x 22,23 (7/8)	10.200	25	2,500
EH 178-3,2 C 24 P PSF/22,23	163603	42 C 24 P BF 80	178 x 3,2 x 22,23 (7/8)	8.600	25	3,500
EH 230-3,2 C 24 P PSF/22,23	163627	42 C 24 P BF 80	230 x 3,2 x 22,23 (7/8)	6.600	25	5,875
Flat type EHT (form 41)						
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	0,625
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	1,100
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	0,850
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	1,175
EHT 178-3,2 C 24 P PSF/22,23	163641	41 C 24 P BF 80	178 x 3,2 x 22,23 (7/8)	8.600	25	3,500
EHT 230-3,2 C 24 P PSF/22,23	163658	41 C 24 P BF 80	230 x 3,2 x 22,23 (7/8)	6.600	25	5,875



### Steel Hard type - hardness grade S



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

**Abrasive: Aluminium oxide A**

**Workpiece materials:**

Steel

**Application:**

Cutting of metal, sheet profiles and solid  
materials



### Recommendation for use:

Disc thickness 1,9/1,6/1,0 mm for fast, con-  
venient cutting with minimized burr formation.  
Disc thickness 2,4 mm for universal cutting  
work.

Disc thickness 3,2/3,0/2,9 mm for maximum  
tool life with high lateral stability.

Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76,  
page 49) increases the lateral, dimensional  
stability and ensures precise disc guidance,  
especially 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]		
Depressed centre type (form 42)						
EH 100-2,4 A 46 S SG/16,0	162576	42 A 46 S BF 80	100 x 2,4 x 16,0 (5/8)	15.300	25	1,175
EH 115-2,4 A 30 S SG/22,23	162606	42 A 30 S BF 80	115 x 2,4 x 22,23 (7/8)	13.300	25	1,575
EH 115-3,2 A 30 S SG/22,23	522424	42 A 30 S BF 80	115 x 3,2 x 22,23 (7/8)	13.300	25	1,900
EH 125-2,4 A 30 S SG/22,23	162217	42 A 30 S BF 80	125 x 2,4 x 22,23 (7/8)	12.200	25	1,850
EH 125-3,2 A 30 S SG/22,23	522431	42 A 30 S BF 80	125 x 3,2 x 22,23 (7/8)	12.200	25	2,125
EH 150-3,0 A 24 S SG/22,23	162255	42 A 24 S BF 80	150 x 3,0 x 22,23 (7/8)	10.200	25	3,050
EH 178-2,9 A 24 S SG/22,23	522653	42 A 24 S BF 80	178 x 2,9 x 22,23 (7/8)	8.600	25	4,000
EH 178-3,2 A 24 S SG/22,23	162262	42 A 24 S BF 80	178 x 3,2 x 22,23 (7/8)	8.600	25	4,375
EH 230-2,9 A 24 S SG/22,23	522684	42 A 24 S BF 80	230 x 2,9 x 22,23 (7/8)	6.600	25	6,625
EH 230-3,2 A 24 S SG/22,23	162309	42 A 24 S BF 80	230 x 3,2 x 22,23 (7/8)	6.600	25	7,125
Flat type EHT (form 41)						
EHT 100-2,4 A 46 S SG/16,0	162590	41 A 46 S BF 80	100 x 2,4 x 16,0 (5/8)	15.300	25	1,025
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 115-2,4 A 30 S SG/22,23	162637	41 A 30 S BF 80	115 x 2,4 x 22,23 (7/8)	13.300	25	1,575
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 125-2,4 A 30 S SG/22,23	162231	41 A 30 S BF 80	125 x 2,4 x 22,23 (7/8)	12.200	25	1,850
EHT 150-3,0 A 24 S SG/22,23	162248	41 A 24 S BF 80	150 x 3,0 x 22,23 (7/8)	10.200	25	3,050
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 178-2,9 A 24 S SG/22,23	522639	41 A 24 S BF 80	178 x 2,9 x 22,23 (7/8)	8.600	25	4,000
EHT 178-3,2 A 24 S SG/22,23	162347	41 A 24 S BF 80	178 x 3,2 x 22,23 (7/8)	8.600	25	4,375
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
EHT 230-2,9 A 24 S SG/22,23	522677	41 A 24 S BF 80	230 x 2,9 x 22,23 (7/8)	6.600	25	6,625
EHT 230-3,2 A 24 S SG/22,23	162422	41 A 24 S BF 80	230 x 3,2 x 22,23 (7/8)	6.600	25	7,300



Multipurpose tool of hardness grade R-INOX, for reduced heat build-up.  
PFERD product characterized by aggressive cutting performance and very long tool life.

### Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous and chlorinated fillers.

### Workpiece materials:

Stainless steel (INOX)

### Application:

Cutting of metal, sheet profiles and solid materials

### Recommendation for use:

Disc thickness 1,9/1,8/1,6/1,2/1,0 mm for fast, convenient cutting with minimized burr formation.

Disc thickness 2,5/2,4/2,0 mm for universal cutting work.



Disc thickness 3,2 mm for maximum tool life with high lateral stability.

Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76, page 49) increases the lateral stability and ensures accurate disc guidance, in particular with 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]		
Depressed centre type (form 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	1,575
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	1,950
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	1,850
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	2,200
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	3,200
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	6,000
Flat type EHT (form 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	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 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	1,575
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 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	1,850
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 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	3,300
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
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	6,000
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	7,150





### INOX cast iron Medium-hard type - hardness grade Q



Performance tool of hardness grade Q-INOX casting for cutting solid material. PFERD product characterized by high cutting performance, high lateral stability and very long tool life.

#### Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous and chlorinated fillers.

#### Workpiece materials:

INOX cast iron, cast steel

#### Application:



Cutting of solid material and profiles

#### Recommendation for use:

Disc thickness 2,9 mm for maximum tool life with high lateral stability.

Optimum cutting results are obtained on pneumatic turbine grinders and powerful high-frequency or electric angle grinders.



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
Depressed centre type (form 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	6,250
Flat type EHT (form 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	6,250

### Cast iron Medium-hard type - hardness grade Q



Performance tool in hardness grade Q for cutting solid material. PFERD product characterized by high cutting performance, high lateral stability and long service life.

#### Abrasive: Aluminium oxide/ silicon carbide AC

#### Workpiece materials:

Flake graphite cast iron, nodular graphite cast iron



#### Application:

Cutting of solid material and sections

#### Recommendation for use:

Disc thickness 3,2 mm for maximum tool life with high lateral stability.

Best cutting results are obtained on pneumatic turbine grinders and powerful high-frequency or electric angle grinders.

Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
Depressed centre type (form 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	8,000
Flat type EHT (form 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	8,000

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

### 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 steel metal, sectional and solid materials

### Recommendation for use:

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

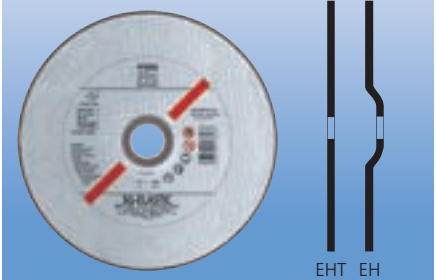
Disc thickness 2,4 mm for universal cutting work.



Disc thickness 2,9 mm for maximum tool life with high lateral stability.

Suitable for angle grinders of all output levels.

The use of large clamping flanges (SFS 76, page 49) increases the lateral stability and ensures accurate disc guidance, in particular for thin cut-off wheels flat type, dia. 178 and 230 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. speed [RPM]		
Depressed centre type (form 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	1,500
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	1,850
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	4,025
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	7,300
Flat type EHT (form 41)						
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 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	1,475
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 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	1,850
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
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	4,025
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	7,300

Performance tool of hardness grade R for cutting solid material.  
PFERD product characterized by high cutting performance, good lateral stability, and long tool life.

### Abrasive: Silicon carbide C

### Workpiece materials:

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

### Application:

Cutting of solid material and profiles

### Recommendation for use:



Disc thickness 2,4 mm for universal cutting work.

Disc thickness 3,2/3,0 mm for maximum tool life with high lateral stability.

Suitable for angle grinders of all output levels.

### Stone/cast iron/non-ferrous metals Hard type - hardness grade R



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]	Max. speed [RPM]		
Depressed centre type (form 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	1,350
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	1,475
EH 178-3,2 C 24 R SG/22,23	163061	42 C 24 R BF 80	178 x 3,2 x 22,23 (7/8)	8.600	25	3,875
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	5,850
Flat type EHT (form 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	0,950
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	2,450
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	3,875
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	5,875

Steel/INOX/cast iron/non-ferr. metals  
medium-hard type - hardness grade P



Multipurpose tool in hardness grade P for cool cutting.  
PFERD product with high cutting performance and long tool life.

### Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

### Workpiece materials:

Steel, stainless steel (INOX), highly heat resistant steels, cast iron, non-ferrous metals, nickel based alloys

### Application:



Cutting of steel metal, sections and solid materials

### Recommendation for use:

For universal cutting work. Specially designed for hard-to-reach places. For use on electric and air-powered straight grinders of all output levels. Can be used with mounted arbor on grinders up to the maximum arbor RPM.

### Ordering note:

Please order the arbor as a separate item.

Order No.	EAN 4007220	EN-designation	D x T x H [mm (inch)]	Max. speed [RPM]		
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	50	0,100
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	50	0,150
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	50	0,200
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	50	0,300
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	50	0,250
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	50	0,300
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	50	0,450
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	50	0,600
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	50	0,400
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	50	0,400
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	50	0,500
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	50	0,750
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	50	1,000
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	50	0,450
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	50	0,550
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	50	0,850
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	50	1,150
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	50	0,550
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	50	0,550
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	50	0,650
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	50	1,000
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	50	1,350

## Arbors for Ring Wheels/Discs

Arbors  
for small cut-off wheels





Accessory for mounting small cut-off wheels on straight grinders.  
Robust PFERD product with maximum shank fracture resistance.

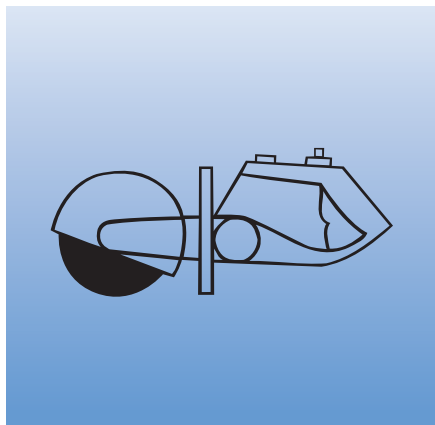
### Safety note:

When using this arbor, please observe the maximum RPM according to the instruction leaflet. Can be used with mounted arbor on straight grinders up to the maximum permissible arbor speed.



Order No.	EAN 4007220	Shank dia. [mm]	Tool centre hole dia. [mm]	Clamping width [mm]		
BO 6/6 0-4	219119	6	6	0-4	1	0,036
BO 6,35/6 0-4 (1/4")	219126	6,35	6	0-4	1	0,036
BO 6/10 0-4	219140	6	10	0-4	1	0,036
BO 6,35/10 0-4 (1/4")	219133	6,35	10	0-4	1	0,036
BO 8/10 0-4	219157	8	10	0-4	1	0,040





Special-purpose tool in hardness grade S. PFERD design with high cutting capabilities and long tool life for use on hand-held cut-off machines ø 300-400 mm.

**Abrasive: Aluminium oxide A**

**Workpiece materials:**

Steel, cast iron

**Application:**

Cutting of solid material and profiles

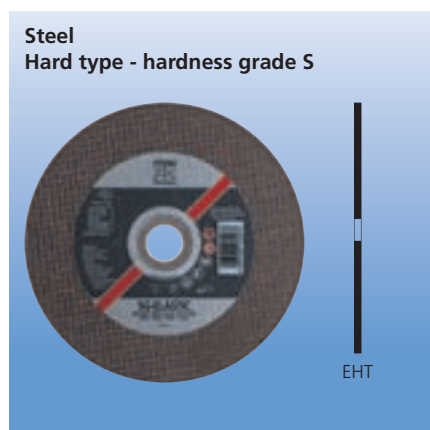
**Recommendation for use:**

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

Alternative discs with dia. 300 mm for 80 m/s and 100 m/s are available to match existing machines.

**Ordering note:**

Please specify centre hole dia. and maximum operating speed required (80 or 100 m/s).



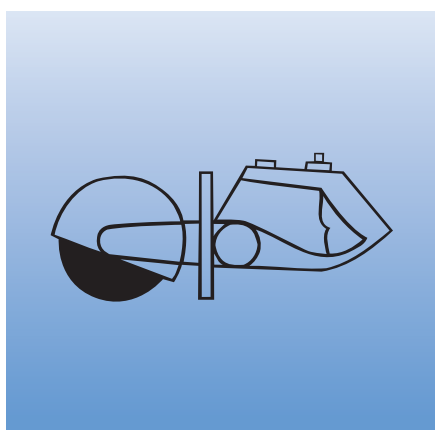
Order No.	EAN 4007220	EN-designation	D x T x H [mm (inch)]	Max. speed [RPM]		
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Maximum operating speed 80 m/s, flat type EHT (Form 41)

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	12,800
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	12,800
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	12,800

Maximum operating speed 100 m/s, flat type EHT (Form 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	12,800
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	12,800
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	12,800
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	10,000
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	10,000
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	10,000
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	13,000
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	13,000



Special-purpose tool in hardness grade N-Alu. PFERD design with high cutting capabilities and long tool life. Does not clog up. Suitable for use on hand-held cut-off machines dia. 300-350 mm.

**Abrasive: Aluminium oxide A**

**Workpiece materials:**

Tough and hard aluminium, non-ferrous metals

**Application:**

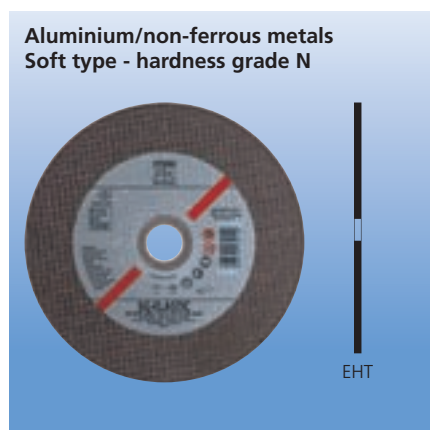
Cutting of solid material and sections

**Recommendation for use:**

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

**Ordering note:**

Please specify centre hole dia. on order.



Order No.	EAN 4007220	EN-designation	D x T x H [mm (inch)]	Max. speed [RPM]		
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Maximum operating speed 80 m/s, flat type EHT (Form 41)

80 EHT 300-4,0 A 24 N SG ALU/25,4	539149	41 A 24 N BF 80	300 x 4,0 x 25,4 (1)	5.100	20	12,800
80 EHT 350-4,0 A 24 N SG ALU/25,4	539156	41 A 24 N BF 80	350 x 4,0 x 25,4 (1)	4.400	10	8,900

# Cut-Off Wheels

## Performance Line SG-ELASTIC (ø 300 - 400 mm)



### Stone Hard type - hardness grade R



EHT

Special-purpose tool in hardness grade R. PFERD product with high cutting capabilities and long tool life. Suitable for use on hand-held cut-off grinding machines dia. 300-350 mm.

#### Abrasive: Silicon carbide C

#### Workpiece materials:

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

#### Application:

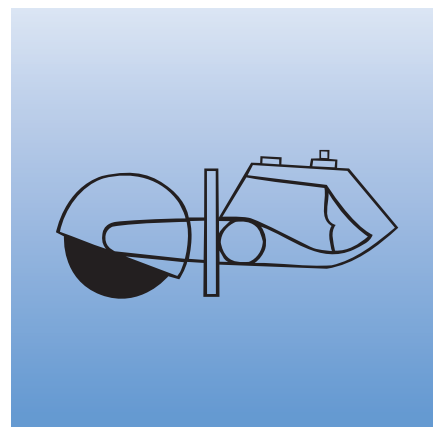
Cutting of solid material and profiles

#### Recommendation for use:

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

#### Ordering note:

Please specify centre hole dia. on order.



Order No.	EAN 4007220	EN-designation	D x T x H [mm (inch)]	Max. speed [RPM]		
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Maximum operating speed 80 m/s, flat type EHT (Form 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	10,300
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	10,300
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	10,300

Maximum operating speed 100 m/s, flat type EHT (Form 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	8,300
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	8,300
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	8,300

### Cast iron/reinforced concrete Medium-hard type - hardness grade Q



EHT

Special-purpose tool in hardness grade Q. PFERD product with high cutting capabilities and long tool life. Suitable for use on hand-held cut-off grinding machines dia. 300-350 mm.

#### Abrasive: Aluminium oxide/ silicon carbide AC

#### Workpiece materials:

Cast iron, reinforced concrete, ductile materials

#### Application:

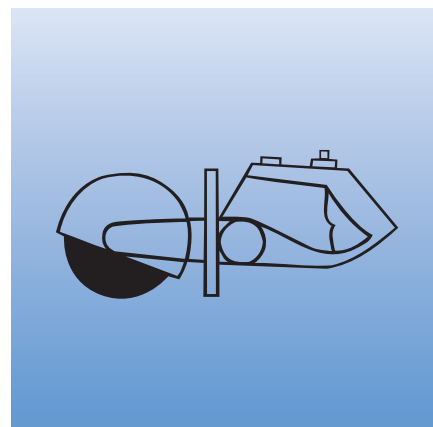
Cutting of composite materials

#### Recommendation for use:

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

#### Ordering note:

Please state specify centre hole dia. on order.



Order No.	EAN 4007220	EN-designation	D x T x H [mm (inch)]	Max. speed [RPM]		
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Maximum operating speed 100 m/s, flat type EHT (Form 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	10,800
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	10,800
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 (51/64)	5.500	10	9,000
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	9,000
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	9,000

Extremely resistant high-performance tool of hardness grade T.  
PFERD product providing unsurpassed cutting performance and outstanding tool life.

**Abrasive: Aluminium oxide A**

**Workpiece materials:**  
Steel



**Application:**  
Cutting of steel metal, profiles and solid materials

**Recommendation for use:**

Disc thickness 1,0 mm for fast, convenient cutting action and maximum tool life while minimized burr formation.  
Disc thickness 2,5/2,4 mm for universal cutting work with maximum tool life.  
Disc thickness 2,8 mm for maximum tool life with high lateral stability.

Achieves 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]		
Depressed centre type (form 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	1,375
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	1,625
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	3,625
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	3,900
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	6,300
Flat type EHT (form 41)						
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 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	1,375
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
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	1,625
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	3,625
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	4,000
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	5,750
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	6,275





# Cut-Off Wheels

## Special Line SG-PLUS



### INOX Hard type - hardness grade S



Extremely resistant high-performance tool of hardness grade S.  
Pferd product providing unsurpassed cutting performance and exceptional tool life.

#### Abrasive: Aluminium oxide A

Manufactured without addition of ferrous, sulphurous and chlorinated fillers.

#### Workpiece materials:

Stainless steel (INOX)

#### Application:



Cutting of steel metal, profiles and solid materials

#### Recommendation for use:

Disc thickness 0,8/1,0/1,6/1,9 for fast, convenient cutting action and maximum tool life while minimized burr formation.  
Disc thickness 2,2/2,3 mm for universal cutting work with maximum tool life.

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

The use of large clamping flanges (SFS 76, page 49) increases the lateral stability and ensures an accurate 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]		
Depressed centre type (form 42)						
EH 115-0,8 A 60 S SGP-INOX X-SLIM/22,23	669327	42 A 60 S BF 80	115 x 0,8 x 22,23 (7/8)	13.300	25	0,500
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	1,450
EH 125-0,8 A 60 S SGP-INOX X-SLIM/22,23	669334	42 A 60 S BF 80	125 x 0,8 x 22,23 (7/8)	12.200	25	0,625
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	1,650
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	3,775
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	5,250
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	6,300
Flat type EHT (form 41)						
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
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
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	1,250
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 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	1,600
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 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	3,125
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	3,700
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
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	5,250
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	6,350



Extremely resistant high-performance tool of hardness grade Q-INOX-casting, for cutting solid material.

PFERD product characterized by aggressive grinding performance, maximum stock removal and very long tool life.

**Abrasive: Zirconia alumina/ aluminium oxide ZA**

Manufactured without addition of ferrous, sulphurous and chlorinated fillers.

**Workpiece materials:**

INOX cast iron, cast steel

**Application:**

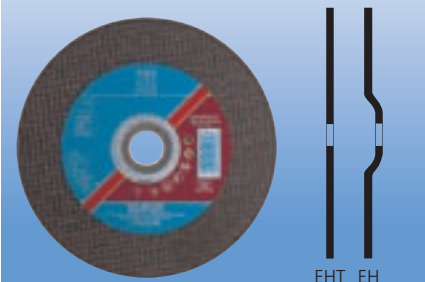
Cutting of solid material and profiles

**Recommendation for use:**

Disc thickness 2,9 mm with maximum tool life and high lateral stability.

Mainly used for high performance air turbine grinders and for powerful electric angle grinders.

**INOX cast iron**  
**Medium-hard type - hardness grade Q**



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]			
Depressed centre type (form 42)						
EH 230-2,9 ZA 24 Q SGP-INOX-Guss/22,23	522820	42 ZA 24 Q BF 80	230 x 2,9 x 22,23 (7/8)	6.600	25	6,125
Flat type EHT (form 41)						
EHT 230-2,9 ZA 24 Q SGP-INOX-Guss/22,23	522806	41 ZA 24 Q BF 80	230 x 2,9 x 22,23 (7/8)	6.600	25	6,125



Extremely robust high-performance tool in hardness grade Q.

PFERD product providing unsurpassed cutting performance and exceptional service life.

**Abrasive: Zirconia alumina/ aluminium oxide ZA**

**Workpiece materials:**

Flake graphite cast iron, nodular cast iron

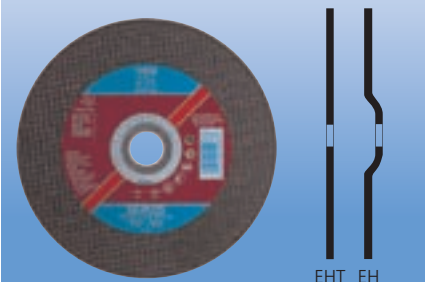
**Application:**

Cutting of solid material and profiles

**Recommendation for use:**

Disc thickness 3,4 mm for maximum tool life and excellent lateral stability. Preferably for use on pneumatic turbine grinders and powerful high-frequency and electric angle grinders.

**Cast iron**  
**Medium-hard type - hardness grade Q**



Order No.	EAN 4007220	EN-designation	D x T/U x H [mm (inch)]			
Depressed centre type (form 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	7,875
Flat type EHT (form 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	7,875

## Clamping Flange

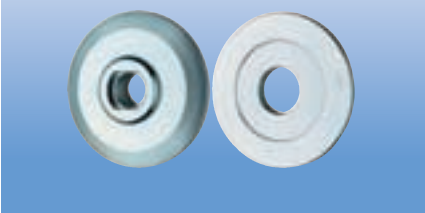


Special flange dia. 76 mm for drive spindles M 14. Accessories for increasing the lateral stability and improving the power transmission on cut-off wheels. PFERD design made of high-quality tool steel.

**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







### PFERD program diamond cut-off wheels

PFERD diamond cut-off wheels for diverse industrial cutting applications and crafts are now available in three new product lines distinguished by our proven colour code. Diamond cut-off wheels made by PFERD ensure optimum cutting results and maximum safety. Whether concrete, clinker brick, hard stone, granite or other hard construction materials – the ideal tool for any cutting application can be found.

PFERD diamond cut-off wheels are noted for their:

- First-rate diamond qualities.
- Excellent cutting characteristics.
- High diamond concentration.
- Short cutting times, long tool life.
- Excellent cutting ease and efficiency.

#### PFERD order no.

DS 230 x 22,23 SG

1 2 3 4 5

#### 1. Designation and shape of the tool

DS = Segmented type  
DG = Continuous rim type

#### 2. Outer diameter

Diamond cut-off wheels in [mm]

#### 3. Centre hole diameter

Centre hole diameter H in [mm]

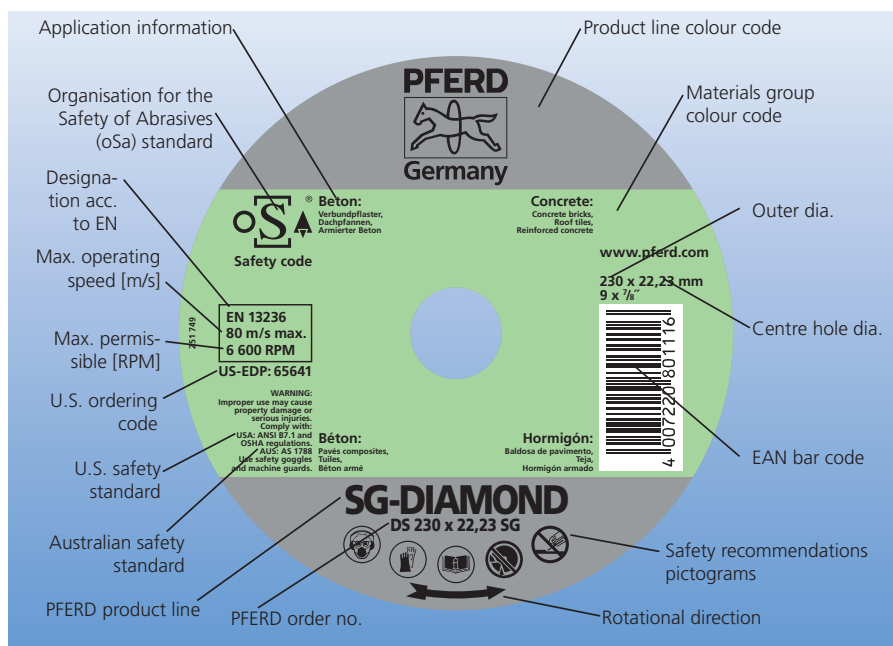
#### 4. PFERD product line

Universal line PSF  
Performance line SG  
Special line SGP










#### 5. Tool variant

WHISPER-PLUS = For noise and vibration reduction  
FAST = For very fast, highly-abrasive cutting

Product code conforming to EN 13236.



### Colour coding of the three product lines and materials

Universal line PSF			Performance line SG			Special line SGP		
								
For general-purpose use in industry and crafts.			Widest range of tools for professional use.			For special tasks that need to meet the highest of demands.		
Material = Colour		Page	Material = Colour		Page	Material = Colour		Page
	Building site materials orange	52		Abrasive materials signal red	54		Concrete/stone light green	55
	Flags/tiles dark green	52		Concrete/stone light green	53			
				Flags/tiles dark green	54			

### 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.

❶ Application	❷ Material		❸ Application		❹ Material		❺ Application		❻ Material	
	Type	page	Type	page	Type	page	Type	page	Type	page
Highly-abrasive, fast cutting	DS PSF	52	–	–	DS SG	53	DS SGP	55	–	–
For easy use on solid materials, high quality cut	DG PSF	52	DG SG	54	–	–	–	–	–	–
Cutting materials with high-grade surfaces	–	–	–	–	–	–	–	–	DG FL PSF	52
									DG FL SG	54

# Diamond Cut-Off Wheels

## Universal Line PSF



### Construction site materials Type DS





Multipurpose segmented-edge tool.  
PFERD product providing aggressive cutting  
action and long tool life.

**Abrasive: Diamond D**

**Workpiece materials:**  
Construction site materials

**Application:**  
Highly abrasive, quick cutting of solid material

**Recommendation for use:**  
Suitable for angle grinders of all output levels.

Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DS 115 x 22,23 PSF	641361	115	22,23	2,2	7	13.300	1	0,131
DS 125 x 22,23 PSF	641378	125	22,23	2,2	7	12.200	1	0,162
DS 178 x 22,23 PSF	641385	178	22,23	2,4	7	8.500	1	0,435
DS 230 x 22,23 PSF	641392	230	22,23	2,4	7	6.600	1	0,630

### Construction site materials Type DG



Multipurpose continuous-edge tool for easy  
cutting with high cutting quality.  
PFERD product with high cutting performance  
and long tool life.



**Abrasive: Diamond D**

**Workpiece materials:**  
Construction site materials

**Application:**  
Easy cutting of solid material with high cutting  
quality

**Recommendation for use:**  
Suitable for angle grinders of all output levels.



Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DG 115 x 22,23 PSF	641408	115	22,23	2,1	7	13.300	1	0,122
DG 125 x 22,23 PSF	641415	125	22,23	2,1	7	12.200	1	0,159
DG 178 x 22,23 PSF	641422	178	22,23	2,4	7	8.500	1	0,435
DG 230 x 22,23 PSF	641439	230	22,23	2,6	7	6.600	1	0,650

### Flags/tiles Type DG FL





Multipurpose continuous-edge tool for cutting  
without edge breakages on workpieces with  
high-quality surfaces.  
PFERD product with high cutting performance  
and long tool life.

**Abrasive: Diamond D**

**Workpiece materials:**  
Flags/Tiles

**Application:**  
Cutting of workpieces with high-quality  
surfaces

**Recommendation for use:**  
Special cut-off grinding wheel with easy-  
cutting qualities.  
Suitable for angle grinders of all output levels.

Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DG 115 x 22,23 FL PSF	800973	115	22,23	1,6	7	13.300	1	0,109
DG 125 x 22,23 FL PSF	800980	125	22,23	1,6	7	12.200	1	0,120

High-performance segmented-edge tool for cutting hard materials.  
PFERD product providing aggressive cutting action and very long tool life.

**Abrasive: Diamond D**

**Workpiece materials:**

Composite pavement, roofing tiles, reinforced concrete

**Application:**

Highly abrasive, quick cutting of solid material

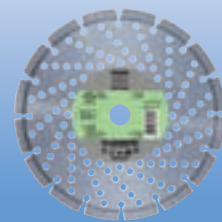
**Recommendation for use:**



The maximum operating speed for diamond cut-off wheels DS dia. 300 up to 400 is 100 m/s.  
Suitable for angle grinders of all output levels.

**Ordering note:**

Please order the reducing ring RR 25,4/22,23 as a separate item for use with the DS dia. 300/350/400 SG designs on angle grinders with drive spindle dia. 22,23 mm.

**Concrete/stone  
Type DS**

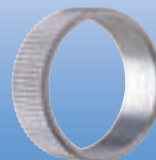




Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DS 115 x 22,23 SG	801086	115	22,23	2,2	10	13.300	1	0,116
DS 125 x 22,23 SG	801093	125	22,23	2,2	10	12.200	1	0,152
DS 178 x 22,23 SG	801109	178	22,23	2,4	10	8.500	1	0,344
DS 230 x 22,23 SG	801116	230	22,23	2,8	10	6.600	1	0,586
DS 300 x 20,0 SG	801123	300	20,0	2,8	10	6.400	1	1,080
DS 300 x 25,4 SG	801147	300	25,4	2,8	10	6.400	1	1,080
DS 350 x 20,0 SG	801154	350	20,0	3,2	10	5.400	1	1,627
DS 350 x 25,4 SG	801161	350	25,4	3,2	10	5.400	1	1,627
DS 400 x 25,4 SG	801178	400	25,4	3,8	10	4.800	1	2,398



Reducing ring for diamond cut-off wheels with centre hole dia. 25,4 mm for use on drive spindles with dia. 22,23 mm.

**Reducing ring for  
diamond cut-off wheels**



Order No.	EAN 4007220	Inside dia. [mm]	Outside dia. [mm]		
RR 25,4/22,23	801260	22,23	25,4	1	0,010

Special accessories for re-sharpening or reconditioning cutting segments.  
PFERD type with soft polyurethane bond.

**Abrasive: Silicon carbide C**

**Recommendation for use:**

PFERD diamond cutting blades can be sharpened or reconditioned, as required, by cutting thin slices from this sharpening block.

**Sharpening block DSB**



Order No.	Grit size	EAN 4007220	Dimension [mm]		
DSB 2005025	CN 80 PUR	168332	200 x 50 x 25	1	0,380

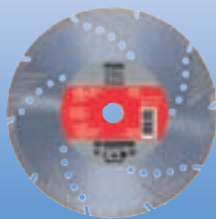


# Diamond Cut-Off Wheels

## Performance Line SG



### Abrasive materials Type DG



High-performance continuous-edge tool for easy cutting with high cutting quality. PFERD product with high cutting capabilities and excellent tool life.

#### Abrasive: Diamond D

#### Workpiece materials:



Aerated concrete, pumice stone, sandstone

#### Application:

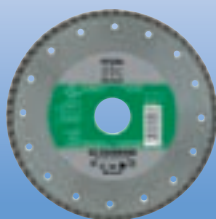
Easy cutting of solid material with high cutting quality

#### Recommendation for use:

Suitable for angle grinders of all output levels.

Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DG 115 x 22,23 SG	801000	115	22,23	2,4	8	13.300	1	0,115
DG 125 x 22,23 SG	801024	125	22,23	2,5	8	12.200	1	0,127
DG 178 x 22,23 SG	801031	178	22,23	2,5	8	8.500	1	0,300
DG 230 x 22,23 SG	801048	230	22,23	3,2	8	6.600	1	0,620

### Flags/tiles Type DG FL



High-performance continuous-edge tool for cutting without edge breakages on workpieces with high-quality surfaces. PFERD design with high cutting capabilities and excellent tool life.

#### Abrasive: Diamond D

#### Workpiece materials:

Flags, tiles, porcelain stoneware



#### Application:

Cutting of workpieces with high-quality surfaces

#### Recommendation for use:

Special cut-off grinding wheel with easy-cutting action.  
Suitable for angle grinders of all output levels.



Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DG 115 x 22,23 FL SG	801055	115	22,23	1,2	7	13.300	1	0,095
DG 125 x 22,23 FL SG	801079	125	22,23	1,2	7	12.200	1	0,106



High-performance segmented-edge special tool for cutting solid material. PFERD design with high cutting capabilities and superb tool life.

**Abrasive: Diamond D**

**Workpiece materials:**

Exposed aggregate concrete, reinforced concrete, clinker brick, natural stone

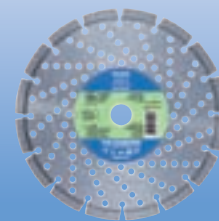
**Application:**



Highly abrasive, quick cutting of solid material

**Recommendation for use:**

Segmented cut-off wheels (DS) achieve best results with high-performance angle grinders on reinforced materials (e.g. reinforced concrete).

**Concrete/stone  
Type DS**



Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DS 115 x 22,23 SGP	801185	115	22,23	2,2	10	13.300	1	0,116
DS 125 x 22,23 SGP	801192	125	22,23	2,2	10	12.200	1	0,160
DS 178 x 22,23 SGP	801208	178	22,23	2,4	10	8.500	1	0,368
DS 230 x 22,23 SGP	801215	230	22,23	2,8	10	6.600	1	0,622

Innovative, high-performance segmented-edge special tool for cutting solid material. The vibration-damping special blade substantially reduces noise and vibration.

**Abrasive: Diamond D**

**Workpiece materials:**

Exposed aggregate concrete, reinforced concrete, clinker brick, natural stone

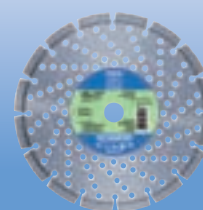
**Application:**



Highly abrasive, quick cutting of solid material

**Recommendation for use:**

Segmented cut-off wheels (DS) achieve best results with high-performance angle grinders.

**Concrete/stone  
Type DS WHISPER-PLUS**



Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DS 178 x 22,23 SGP-WHISPER-PLUS	801222	178	22,23	2,8	12	8.500	1	0,423
DS 230 x 22,23 SGP-WHISPER-PLUS	801239	230	22,23	3,0	12	6.600	1	0,675

High-performance segmented-edge special tool for cutting solid material. This special diamond cut-off grinding wheel allows shortest cutting times with reduced formation of dust.

**Abrasive: Diamond D**

**Workpiece materials:**

Exposed aggregate concrete, reinforced concrete, clinker brick, natural stone

**Application:**



Highly abrasive, quick cutting of solid material

**Recommendation for use:**

Best cutting results on angle grinders of all output levels.

**Concrete/stone  
Type DS FAST**



Order No.	EAN 4007220	Dia. D [mm]	H [mm]	Segment width T [mm]	Segment height X [mm]	Max. speed [RPM]		
DS 178 x 22,23 SGP-FAST	801246	178	22,23	2,2	10	8.500	1	0,303
DS 230 x 22,23 SGP-FAST	801253	230	22,23	2,4	10	6.600	1	0,550



**Catalogue 201**

Files



**Catalogue 202**

Burrs



**Catalogue 203**

Mounted Points



**Catalogue 204**

Fine Grinding and Polishing Tools



**Catalogue 205**

Diamond and CBN Tools



**Catalogue 206**

Grinding and Cut-Off Wheels



**Catalogue 207**

Stationary Cut-Off Wheels



**Catalogue 208**

Industrial Power Brushes



**Catalogue 209**

Tool Drives