



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

Grinding and Cut-Off Wheels

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Reinforced Grinding Wheels



POLIFAN® Flap Discs



Cut-Off Wheels



Stationary Cut-Off Wheels

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

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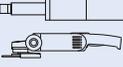
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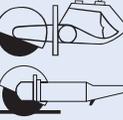
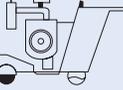
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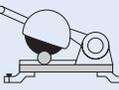
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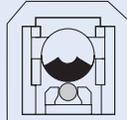
Large Diameter Cut-Off Wheels

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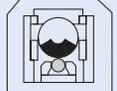
Large Diameter Cut-Off Wheels

Power Tools	Contents	Page
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Stationary Cut-Off Wheels

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	Manual Applications
	Angle Grinders
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	Electric-Powered Hand-Held Cut-Off Machines for Cut-Off Wheels Dia. 12-16"
	STREET SAWS
	CHOPSAW/STUD CUTTER Max. Power Output of 5 Horsepower
	TABLECUT Power Output 4 to 7 Horsepower
	UNIVERSAL Power Output of more than 7 Horsepower
	HEAVY DUTY for High-Powered Stationary Machines

Grinding and Cut-Off Wheels

Your Quick Product Selection Guide



1 Application



2 Material



3 Power Tools



Best Tool

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

In our application recommendations for grinding and cut-off wheels we have taken into account the power output (watts) of the most com-

mon angle grinders in relation to the material and machining task at hand. This distinction is reflected in the following table.

Application	Tools	Reinforced Grinding Wheels	Reinforced Grinding Wheel WHISPER	Flexible Grinding Wheels	CC-GRIND	Reinforced Grinding Wheels Pipeline	Cup Wheels	Snagging Wheels	Cones and Plugs	Bench Wheels	Floor and Hand Rubs	POLIFAN® Flap Discs	Textile Wheels	Cut-Off Wheels
Grinding														
Surface Grinding	p. 8	p. 16	p. 17	p. 18-19	-	-	-	-	-	-	p. 33	p. 35	p. 50-52	-
Weld Grinding	p. 8	p. 16	p. 17	p. 18-19	-	-	p. 26	p. 28-29	-	-	-	p. 35	p. 50-52	-
Chamfering, Deburring, Edge Grinding	p. 8	p. 16	-	-	-	-	p. 24-25	p. 26	-	p. 30-31	-	p. 35	-	-
Root Pass Grinding	-	-	-	-	-	p. 20	-	-	-	-	-	-	-	-
Fillet Grinding	p. 8	p. 16	p. 17	-	-	-	-	-	p. 28-29	-	-	p. 35	-	-
Cutting														
Cutting of sheet metal and thin-walled profiles < 1/8"	-	-	-	-	-	-	-	-	-	-	-	-	-	p. 54
Cutting of solid material, profiles and pipes	-	-	-	-	-	-	-	-	-	-	-	-	-	p. 54
Cutting of masonry materials	-	-	-	-	-	-	-	-	-	-	-	-	-	p. 54
Stationary Cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	p. 70

2 Workpiece Material/Colour Code

Steel, Cast Steel	Non-hardened, non-heat treated steels up to 38 HRC (1,200 N/mm²)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steels
	Hardened, heat-treated steels exceeding 38 HRC (1,200 N/mm²)	Tool steels, tempering steels, alloyed steels, cast steels
Stainless Steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels
Non-ferrous Metals	Soft non-ferrous metals	Aluminum alloys, brass, copper, zinc
	Hard non-ferrous metals	Bronze
Casting	Cast iron (grey and nodular types)	
Plastics and Other Materials	Fibre-reinforced plastics (GRP/CRP), thermoplastics	
Stone, Masonry	Natural and synthetic	

Power Tools Output Levels ▼	Machine Type ▼	Power Rating				
		4" Dia.	4-1/2" Dia.	5" Dia.	7" Dia.	9" Dia.
High Power	Air Powered Tools (HP = Horsepower)	-	1.0+ HP	1.3+ HP	2+ HP	2.4+ HP
	Electric Tools (Based on 120 Volts)	5+ amps	7+ amps	8.5+ amps	13+ amps	15+ amps
Low Power	Air Powered Tools (HP = Horsepower)	< 0.8 HP	< 1.0 HP	< 1.3 HP	< 2 HP	< 2.4 HP
	Electric Tools (Based on 120 Volts)	< 5 amps	< 7 amps	< 8.5 amps	< 13 amps	< 15 amps

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

Maximum Operating Speed

The maximum operating speed [m/s] is shown on the product labels and product packs by a colour bar. The maximum permissible RPM specification applies to the nominal diameter of the tools (see table right).

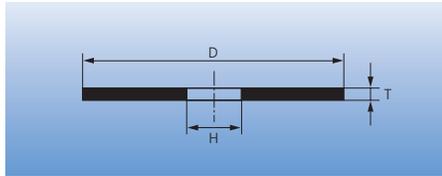
Maximum Operating Speed	Colour Bars
50 m/s	blue
63 m/s	yellow
80 m/s	red
100 m/s	green

Dust Warning

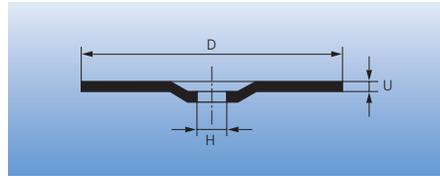
Use of the tools in this catalogue may create dust and other particles. To avoid any risk of adverse health effects, the operator must use appropriate protective measures, including a respirator, during and after tool operation. Refer to our Material Safety Data Sheet (MSDS) for further information regarding the product to be used. Furthermore, additional health hazards may result from dust in the surrounding environment and from dust generated from the workpiece material. PROTECTIVE MEASURES FOR THE OPERATOR MUST ADDRESS DUST AND OTHER PARTICULATES ARISING FROM ALL SOURCES. Always use our products in a well-ventilated workspace.

Dimensions

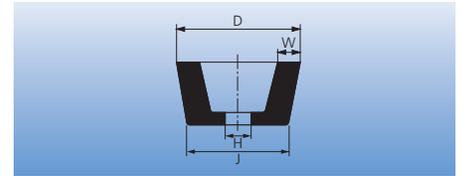
The diameter, thickness and centre hole dimensions are indicated in the drawings and tables by means of the following symbols:



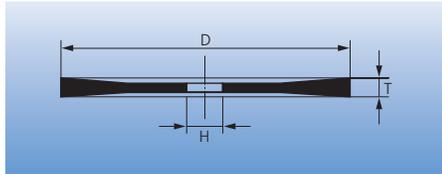
Flat (Type 1)



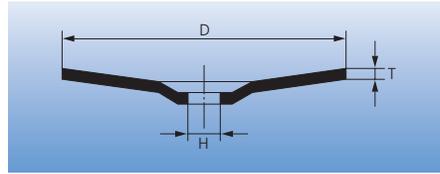
Depressed Centre (Type 27)



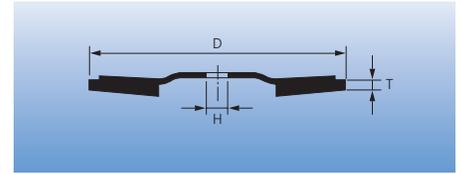
Cup Wheel (Type 11)



Tapered (Type 1)



Depressed Centre – Saucer (Type 28)

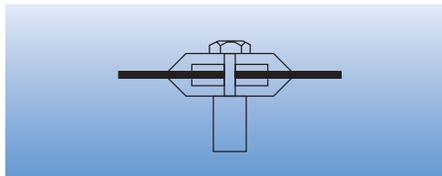


Conical (Type 29)

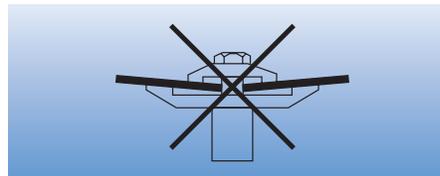
Mounting System

The mounting system is a decisive factor for the safe use of the PFERD tools.

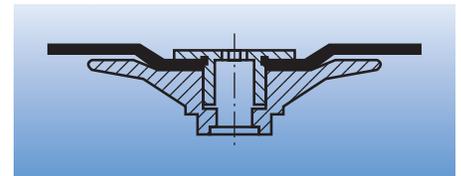
Never use flanges of different diameter. Two flanges clamping a grinding tool must always have the same outside diameter and support area (according to EN 60745-2-3:2007, AS 1788.1:1987, ANSI B7.1:2000).



correct



incorrect



Australian Standard 1788
AS 1788.1:1987

Safety Recommendations



= Wear protective goggles!



= Use ear protection!



= Wear protective gloves!



= Wear dust respirators!



= Observe safety recommendations!



= Only approved with a backing pad!



= Observe the minimum blade angle on reinforced grinding wheels!



= Read the Material Safety Data Sheets (MSDS) before using any materials!



= Do not use damaged wheels!



= Not approved for wet grinding!



= Not permitted for face grinding!



= Not approved for free-hand and hand-held operation!

Grinding and Cut-Off Wheels

Safety Information



PFERD – Your Partner for Safe Tools!

As a leading manufacturer of abrasive tools, PFERD meets all requirements of national and international laws, standards, codes and guidelines.

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

ANSI EN ISO

The PFERD quality management system is EN ISO 9001 certified and guarantees compliance with all regulations.

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 representatives.

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 superabrazives
- EN 13743:2001 for coated abrasives
- ANSI Safety Code B7.1
OSHA regulations (North America)
- AS 1788.2:1987

OSHA's Mission

OSHA's mission is to assure the safety and health of America's workers by setting and enforcing standards; providing training, outreach, and education; establishing partnerships; and encouraging continual improvement in workplace safety and health.

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 (Organization for the Safety of Abrasives).



Grinding Wheel Safety

DO:

- Always handle and store wheels in a careful manner.
- Always visually inspect all wheels before mounting for possible damage in transit. Resinoid can only be checked visually for possible damage.
- Always check maximum operating speed established for wheel against machine speed.
- Always check flanges for equal and correct diameter.
- Always use a machine guard covering at least one-half of the grinding wheel.
- Always allow newly mounted wheels to run at operating speed, with guard in place, for at least one minute before grinding.
- Always wear safety goggles or other protective eyewear when grinding.

DON'T:

- Don't use a wheel that has been dropped. The impact may result in breakage.
- Don't force a wheel onto the machine or alter the size of the arbor hole. Don't use a wheel that fits the arbor too loosely. If the wheel doesn't fit the machine, get one that fits correctly.
- Don't exceed maximum operating speed established for the wheel.
- Don't use mounting flanges which are warped, nicked, sprung, or which are not clean.
- Don't tighten the mounting nut excessively. On multiple screw mountings, 15-foot pounds per screw is usually enough.
- Don't grind on the edge of the wheel unless the wheel is specifically designed for that purpose.
- Don't start the machine unless all guards are in place.
- Don't stand directly in front of a grinding wheel when a grinder is started.
- Don't grind material for which the wheel is not designed.
- Don't use relieved or recessed flanges with threaded hole cup wheels, cones or plugs.

PFERDERGONOMICS

Grinding and cut-off wheels from PFERD help to reduce the hazardous vibrations and noise during the work process.

To be able to fulfill these increased requirements,

PFERDERGONOMICS supplies solutions for

- Lower vibration
- Reduced noise
- Less dust exposure
- Optimized haptics at work.



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

Cut-Off Wheel Safety and Cutting Procedures

- Cut-off wheels should never be stored on edges. Instead they should be laid on solid, flat surfaces away from excessive heat and moisture to avoid warpage.
- Machines must have adequate power transmission and capacity, spindle speeds and proper guarding of the wheel. It is best to have extra power to ensure good cutting efficiency.
- Check the speed of the machine spindle against the maximum speed specified for the wheel by the manufacturer. The maximum specified speed for the wheel should never be exceeded.
- Flanges should be clean, straight and of equal diameter so the wheel will run true. For diameters above 10" it is recommended that the flange be at least 1/3 the diameter of the wheel.
- The bore size of the wheel is so constructed that the wheel should fit freely on the machine spindle without any slack. Never attempt to force a wheel on the spindle!
- Always use blotter, when supplied with the wheels.
- Be sure that the flanges are tightened securely but not too tightly to avoid springing the flanges and changing the pressure area.
- Be sure the workpiece is securely clamped, including both sides of the cut, if practical. Cut-off wheels withstand a great deal of radial stress but not lateral load (side stress). Even reinforced wheels are not completely unbreakable. Side pressure must be avoided to ensure straight cuts and avoid possible wheel breakage.
- The wheel must be brought into contact with the workpiece without "bumping" or impact. The wheel should cut freely without forcing and the speed of the wheel should not be reduced by the cutting operation.
- Abrasive cutting generates a great deal of localized heat which causes rapid expansion of the piece being cut. Wheels operating at speeds significantly below efficient speed and wheels fed through the cut too slowly will generate excessive heat. Result: Rapid wheel wear, fraying around edge of reinforced wheels, and wheel breakage.

WARNING!

Improper use may cause property damage or serious injuries. Comply with ANSI Safety Code B7.1 and OSHA regulations. Use safety goggles and machine guards.

Technical Customer Support

Our sales consultants, customer service and technical support agents will be glad to assist you by phone or on-site to optimize your applications. Please contact us:

Canada: (866) 245-1555

USA: (800) 342-9015

You will find our worldwide contact information at www.pferd.com.



Reinforced Grinding Wheels

General Information

Product Lines

For the wide variety of abrasive grinding applications in industry and trade PFERD now offers three types of reinforced grinding wheels, easily differentiated by a colour coding system:



Universal Line PSF

General use in industry and professional trades.



Performance Line SG

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



Special Line SGP

For highest possible performance, and for industrial niche 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.

Your Quick Product Selection Guide

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 Workpiece Material		Stainless Steel (INOX)		Aluminum, Non-Ferrous Metals		Scale, Cast Iron		Cast Iron, Stone, Masonry	
	Type	Page	Type	Page	Type	Page	Type	Page	Type	Page
Surface Grinding	PS-FORTE Hardness L	10	PS-FORTE Hardness L	10	SG-ELASTIC Hardness H 17 Hardness N 13	SG-ELASTIC Hardness S (ZA) 14 SG-PLUS Hardness T 15	SG-ELASTIC Hardness Q	14	SG-ELASTIC Hardness H 17 Hardness N (INOX) 12 CC-GRIND 19 SG-PLUS Hardness H 16	16
	SG-ELASTIC Hardness H	17	SG-ELASTIC Hardness H	17						
	Hardness R	11	Hardness N (INOX)	12						
	CC-GRIND	18	CC-GRIND	19						
	SG-PLUS Hardness H	16	SG-PLUS Hardness H	16						
Weld Grinding	PS-FORTE Hardness L	10	PS-FORTE Hardness L	10	SG-ELASTIC Hardness H 17 Hardness N 13 Hardness O 13	SG-ELASTIC Hardness S (ZA) 14	-	-	SG-ELASTIC Hardness H 17 Hardness N (INOX) 12 SG-PLUS Hardness H 16	16
	SG-ELASTIC Hardness H	17	SG-ELASTIC Hardness H	17						
	Hardness R	11	Hardness N (INOX)	12						
	SG-PLUS Hardness R	15	SG-PLUS Hardness H	16						
	SG-PLUS Hardness H	16	SG-PLUS Hardness H	16						
Chamfering	PS-FORTE Hardness L	10	PS-FORTE Hardness L	10	SG-ELASTIC Hardness O 13	SG-ELASTIC Hardness S (ZA) 14 SG-PLUS Hardness T (ZA) 15	SG-ELASTIC Hardness Q	14	PS-FORTE Hardness L 10 SG-ELASTIC Hardness H 17 Hardness N (INOX) 12	12
	SG-ELASTIC Hardness R	11	SG-ELASTIC Hardness N (INOX)	12						
	SG-PLUS Hardness R	15								
Deburring	PS-FORTE Hardness L	10	SG-ELASTIC Hardness N (INOX) 12	12	SG-ELASTIC Hardness O 13	SG-ELASTIC Hardness S (ZA) 14 SG-PLUS Hardness T (ZA) 15	SG-ELASTIC Hardness Q	14	PS-FORTE Hardness L 10 SG-ELASTIC Hardness H 17 Hardness N (INOX) 12	12
	SG-ELASTIC Hardness R	11								
	SG-PLUS Hardness R	15								
Fillet Grinding	PS-FORTE Hardness L	10	PS-FORTE Hardness L	10	SG-ELASTIC Hardness H 17 Hardness N 13	-	-	-	PS-FORTE Hardness L 10 SG-ELASTIC Hardness H 17 Hardness N (INOX) 12	12
	SG-ELASTIC Hardness H	17	SG-ELASTIC Hardness H	17						
	Hardness R	11	Hardness N (INOX)	12						
Root Pass (Pipeline)	PS-FORTE Hardness P	20	PS-FORTE Hardness M (INOX)	20	-	-	-	-	PS-FORTE Hardness M (INOX) 20 SG-ELASTIC Hardness N (INOX) 22	22
	SG-ELASTIC Hardness R	21	SG-ELASTIC Hardness N (INOX)	22						
	Hardness S (ZA)	22								

PFERD Specification Number

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 = Snagging Wheel
- ETF = Saucer Wheel
- ETT = Cup Wheel
- FD = Flexible Grinding Wheel

2. Outside Diameter

Outside Dia. D in [mm]

3. Wheel Thickness

Thickness T/U in [mm]

4. Abrasive

- A = Aluminum Oxide
- C = Silicon Carbide
- CO = Ceramic Grit
- Z = Zirconia Alumina
- ZA = Zirconia Alumina/Aluminum Oxide

5. Grit Size

Grit Size acc. to ISO 8486

6. Hardness Grade (Wheel Characteristics)

Hardness Grade	Wheel Characteristics	Workpiece Material
Universal Line PS-FORTE		
K	very soft	Steel
L	soft	Steel/Stainless Steel (INOX)
M	soft	Stainless Steel (INOX)
P	medium-hard	Steel/Cast Iron
Performance Line SG-ELASTIC		
H	very soft	Steel/Stainless Steel (INOX)
N	soft	Stainless Steel (INOX)/Alu
O	medium-hard	Aluminum
Q	medium-hard	Stone/Cast Iron
R	hard	Steel
S	hard	Scale/Cast Iron
Special Line SG-PLUS		
H	very soft	Steel/Stainless Steel (INOX)
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. Workpiece Material

See section 6 table, column 3

Designation acc. to EN 12413

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

1. Designation and Shape of the Product

- 1 = Grinding Wheel, Flat Type
- 11 = Cup Wheel, Tapered Type
- 16, 17, 18, 18R = Cones and Plugs
- 27 = Grinding Wheel, Depressed Centre Type
- 28 = Grinding Wheel, Saucer Type

2. Abrasive

- A = Aluminum Oxide
- C = Silicon Carbide
- CO = Ceramic Oxide
- Z = Zirconia Alumina
- ZA = Zirconia Alumina/Aluminum Oxide

3. Grit Size

Grit size acc. to ISO 8486

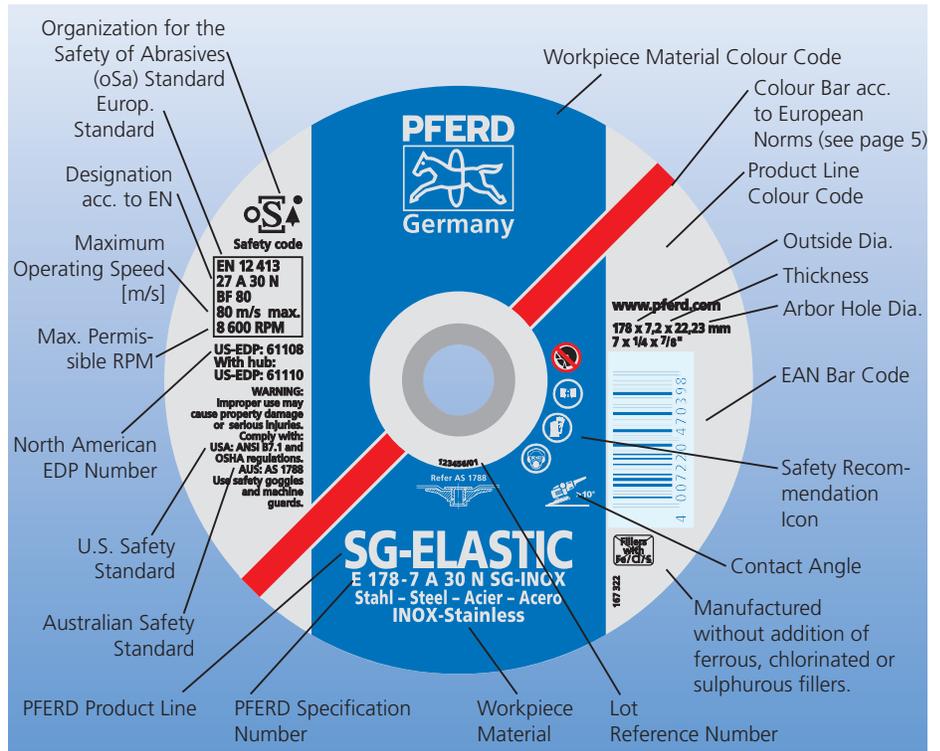
4. Hardness Grade (Wheel Properties)

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

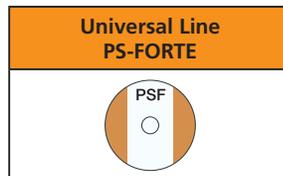
5. Bond

- 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 Workpiece Materials

Universal Line PS-FORTE		
Material = Colour		Page
	Steel/Cast Iron black	20
	Stainless Steel (INOX) blue	20
	Steel/Stainless Steel (INOX) black/blue	10

Performance Line SG-ELASTIC		
Material = Colour		Page
	Steel black	11 21 24
	Stainless Steel (INOX) blue	12 23
	Steel/Cast Iron black/red	14 25
	Stone/Cast Iron green/red	14
	Non-ferrous Metals/ Aluminum silver	13
	Masonry green	25

Special Line SG-PLUS		
Material = Colour		Page
	Steel black	15
	Cast Iron red	15
	Steel/Stainless Steel (INOX) black/blue	16 17

Reinforced Grinding Wheels

Depressed Centre (Type 27) – Universal Line PS-FORTE

**Steel/Cast Iron/Stainless Steel (INOX)
Soft Type - Hardness Grade L**



T 27

General purpose grinding wheel for use on all metals. Smooth grinding action and fast removal rates with minimal contact pressure.

Abrasive: Aluminum Oxide
Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials
Steel, cast iron, stainless steel (INOX)

Application
Surface grinding, edge grinding

Recommendation for Use
Recommended for angle grinders of all power output levels.

PFERD Specification Number
A 24 L PSF

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x 1/4	6.3	5/8	61000	10	-			15,300
4-1/2 x 1/4	7.2	7/8	61002	10	5/8-11	61001	10	13,300
5 x 1/4	7.2	7/8	61003	10	5/8-11	61008	10	12,200
6 x 1/4	7.2	7/8	61011	10	5/8-11	61012	10	10,200
7 x 1/4	7.2	7/8	61004	10	5/8-11	61006	10	8,600
9 x 1/4	7.2	7/8	61005	10	5/8-11	61007	10	6,600





Reinforced Grinding Wheels

Depressed Centre (Type 27), Saucer (Type 28) – Performance Line SG-ELASTIC

Performance grinding wheel provides good removal rates and long service life for reduced wheel changes. Particularly recommended for use in severe, high pressure grinding applications (e.g. edge grinding, beveling, etc).

Abrasive: Aluminum Oxide

Workpiece Materials
Steel

Application
Weld grinding, edge grinding

Recommendation for Use

Achieves optimum grinding results on high-powered angle grinders. 5/16" thick discs provide additional strength and service life for heavy-duty applications.

PFERD Specification Number
A 24 R SG



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
2-3/4 x 5/16	8.3	3/8	61019	10	-			21,800
3 x 1/4	6.3	3/8	61020	10	-			20,900
4 x 1/4	6.3	3/8	61022	10	-			15,300
4 x 1/4	6.3	5/8	61024	10	-			15,300
4-1/2 x 1/8	4.1	7/8	61025	10	5/8-11	61037	10	13,300
4-1/2 x 1/4	7.2	7/8	61026	10	5/8-11	61038	10	13,300
5 x 1/4	7.2	7/8	61028	10	5/8-11	61040	10	12,200
6 x 1/4	7.2	7/8	61030	10	5/8-11	61042	10	10,200
7 x 1/4	7.2	7/8	61032	10	5/8-11	61044	10	8,600
7 x 5/16	8.3	7/8	61033	10	5/8-11	61045	10	8,600
9 x 1/4	7.2	7/8	61035	10	5/8-11	61047	10	6,600
9 x 5/16	8.3	7/8	61036	10	5/8-11	61048	10	6,600
Saucer (Type 28)								
7 x 1/4	6.3	7/8	61701	10	5/8-11	61703	10	8,600
9 x 1/4	6.3	7/8	61702	10	5/8-11	61704	10	6,600



Reinforced Grinding Wheels

Depressed Centre (Type 27) – Performance Line SG-ELASTIC

**Stainless Steel (INOX)
Soft Type - Hardness Grade N-INOX**



T 27

Highly productive, long life grinding wheel for stainless steel (INOX) and high temperature alloys. Smooth grinding action and fast removal rates are achieved with minimal contact pressure. Also suitable for carbon steel and all ferrous metals.

Abrasive: Premium Aluminum Oxide
Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials
Stainless steel (INOX)

Application
Weld grinding, surface grinding

Recommendation for Use

Provides optimum grinding results on high-powered angle grinders. 5/16" thick discs provide additional strength and service life for heavy-duty applications.

PFERD Specification Number
A 30 N SG-INOX

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x 1/4	6.3	3/8	61100	10	-			15,300
4 x 1/4	6.3	5/8	61103	10	-			15,300
4-1/2 x 1/8	4.1	7/8	61104	10	5/8-11	61113	10	13,300
4-1/2 x 1/4	7.2	7/8	61105	10	5/8-11	61114	10	13,300
5 x 1/4	7.2	7/8	61106	10	5/8-11	61111	10	12,200
6 x 1/4	7.2	7/8	61107	10	5/8-11	61116	10	10,200
7 x 1/4	7.2	7/8	61108	10	5/8-11	61110	10	8,600
7 x 5/16	8.3	7/8	61121	10	5/8-11	61126	10	8,600
9 x 1/4	7.2	7/8	61109	10	5/8-11	61112	10	6,600
9 x 5/16	8.3	7/8	61122	10	5/8-11	61127	10	6,600





Reinforced Grinding Wheels

Depressed Centre (Type 27) – Performance Line SG-ELASTIC

Non-loading grinding wheels for use on aluminum and all soft, greasy materials susceptible to loading problems. Advanced formulation does not leave residue on the workpiece. Surface can be welded immediately following grinding operation. No secondary surface cleaning operation is necessary.

Abrasive: Premium Aluminum Oxide

Workpiece Materials

Soft, tough and hard aluminum, non-ferrous metals

Application

Weld grinding, surface grinding

Recommendation for Use

Achieves outstanding stock removal rates even at low contact pressure.

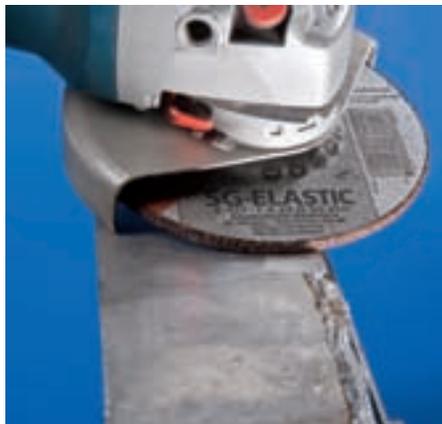
PFERD Specification Number

A 24 N SG-Alu



Aluminum/Non-Ferrous Metals
Soft Type - Hardness Grade N-Alu

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x 1/4	6.3	5/8	61300	10	-			15,300
4-1/2 x 1/4	7.2	7/8	61301	10	5/8-11	61303	10	13,300
5 x 1/4	7.2	7/8	61302	10	5/8-11	61308	10	12,200
7 x 1/4	7.2	7/8	61304	10	5/8-11	61306	10	8,600
9 x 1/4	7.2	7/8	61305	10	5/8-11	61307	10	6,600



Non-loading grinding wheel provides good removal rates and long service life on aluminum and non-ferrous metals.

Abrasive: Premium Aluminum Oxide A

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

Workpiece Materials

Hard and tough aluminum, non-ferrous metals

Application

Weld grinding, chamfering, deburring

Recommendation for Use

Achieves outstanding stock removal rates even at low contact pressure.

Recommended for use on angle grinders of all power outputs.

PFERD Specification Number

A 24 O SG-Alu



Aluminum/Non-Ferrous Metals
Medium-Hard Type - Hardness Grade O NEW

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 1/4	7.2	7/8	61281	10	5/8-11	61287	10	13,300
5 x 1/4	7.2	7/8	61282	10	5/8-11	61288	10	12,200
7 x 1/4	7.2	7/8	61284	10	5/8-11	61290	10	8,600
9 x 1/4	7.2	7/8	61285	10	5/8-11	61291	10	6,600

Reinforced Grinding Wheels

Depressed Centre (Type 27), Saucer (Type 28) – Performance Line SG-ELASTIC



Performance grinding wheel with tough Zirconia abrasive grain providing outstanding stock removal and very long tool life.

Abrasive: Zirconia Alumina

Workpiece Materials

Steel, cast iron (grey and nodular types)

Application

Weld grinding, edge grinding

Recommendation for Use

Provides optimum grinding results on high power pneumatic or electric angle grinders and high-frequency grinders.

5/16" thick discs provide additional strength and service life for heavy-duty applications.

PFERD Specification Number

ZA 30 S SG

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 1/4	7.2	7/8	61602	10	5/8-11	61603	10	13,300
5 x 1/4	7.2	7/8	61604	10	5/8-11	61614	10	12,200
6 x 1/4	7.2	7/8	61613	10	5/8-11	61616	10	10,200
7 x 1/4	7.2	7/8	61605	10	5/8-11	61607	10	8,600
7 x 5/16	8.3	7/8	61637	10	5/8-11	61639	10	8,600
9 x 1/4	7.2	7/8	61606	10	5/8-11	61608	10	6,600
9 x 5/16	8.3	7/8	61638	10	5/8-11	61640	10	6,600
Saucer (Type 28)								
7 x 1/4	6.3	7/8	61710	10	5/8-11	61714	10	8,600
9 x 1/4	6.3	7/8	61712	10	5/8-11	61716	10	6,600



For rough surface grinding of masonry, stone, concrete and cast iron. Also suitable for use on tough and hard aluminum.

Abrasive: Silicon Carbide

Workpiece Materials

Masonry, concrete, stone, cast iron

Application

Edge grinding, surface grinding

Recommendation for Use

For use on angle grinders of all power outputs.

PFERD Specification Number

C 24 Q SG

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x 1/4	6.3	5/8	61500	10	-			15,300
4-1/2 x 1/4	7.2	7/8	61501	10	5/8-11	61508	10	13,300
5 x 1/4	7.2	7/8	61502	10	5/8-11	61509	10	12,200
6 x 1/4	7.2	7/8	61503	10	5/8-11	61510	10	10,200
7 x 1/4	7.2	7/8	61504	10	5/8-11	61506	10	8,600
9 x 1/4	7.2	7/8	61505	10	5/8-11	61507	10	6,600
Saucer (Type 28)								
7 x 1/4	6.3	7/8	61705	10	5/8-11	61707	10	8,600
9 x 1/4	6.3	7/8	61706	10	5/8-11	61708	10	6,600

High-performance blended zirconia grinding wheel for fast and free cutting performance that outlasts aluminum oxide wheels 2 to 1. Economical performance-to-price ratio lowers overall cost.

Abrasive: Zirconia Alumina and Aluminum Oxide

Workpiece Materials
Steel

Application
Weld grinding, edge grinding

Recommendation for Use
Best when used on high-powered angle grinders.

PFERD Specification Number
ZA 24 R SGP



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x 1/4	6.3	3/8	61551	10	-			15,300
4 x 1/4	6.3	5/8	61552	10	-			15,300
4-1/2 x 1/4	7.2	7/8	61553	10	5/8-11	61560	10	13,300
5 x 1/4	7.2	7/8	61554	10	5/8-11	61561	10	12,200
6 x 1/4	7.2	7/8	61555	10	5/8-11	61562	10	10,200
7 x 1/4	7.2	7/8	61556	10	5/8-11	61563	10	8,600
9 x 1/4	7.2	7/8	61557	10	5/8-11	61564	10	6,600



Premium performance zirconia grinding wheel providing exceptionally long service life. Designed for the toughest grinding applications.

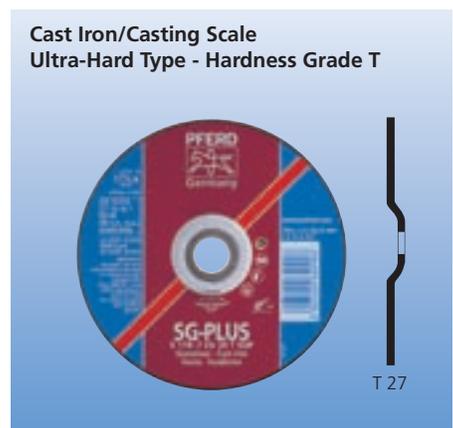
Abrasive: Zirconia Alumina

Workpiece Materials
Cast iron (grey and nodular type), casting scale

Application
Edge grinding

Recommendation for Use
Provides optimum grinding results on high power pneumatic or electric angle grinders and high-frequency grinders.

PFERD Specification Number
ZA 30 T SGP



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
7 x 1/4	7.2	7/8	61656	10	5/8-11	61663	10	8,600
7 x 5/16	8.3	7/8	61666	10	5/8-11	61668	10	8,600
9 x 1/4	7.2	7/8	61657	10	5/8-11	61664	10	6,600
9 x 5/16	8.3	7/8	61667	10	5/8-11	61669	10	6,600

NEW WHISPER Reinforced Grinding Wheels

Depressed Centre (Type 27) – Special Line SG-PLUS

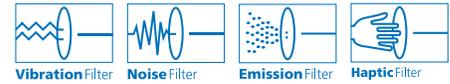


Achieve highly aggressive grinding at low noise and vibration level with the WHISPER reinforced grinding wheel.

PFERD has developed WHISPER, among other innovative products, with the operator in mind, to promote safety, health and comfort, without compromising service life or grinding performance.

PFERD is focused on the long-term reduction of noise and vibration levels produced by grinding wheels, and on developing products which will provide more comfort for the operator and others in his environment.

The WHISPER reinforced grinding wheel achieves significantly lower levels of vibrations and substantially lower noise and dust levels with an impressively higher machining capacity. The unique wheel structure allows soft, comfortable grinding with excellent surface quality.



Stainless Steel (INOX)/Steel
WHISPER - Hardness Grade H

WHISPER is an extremely productive and powerful reinforced grinding wheel. It grinds very aggressively, quietly and comfortably.

The patented design provides very soft, quiet grinding, and high degree of working comfort with low vibration, low dust and low noise levels. The design also eliminates edge spalling.

With very aggressive removal rates right from the start, WHISPER will increase comfort as well as productivity everywhere grinding wheels are used. Very high machining capacity from the very start. The increased tool productivity allows substantial savings on labour costs.

WHISPER is ideal for users who have a lot of grinding to do and want to produce high-quality finishes economically.

Abrasive: Aluminum Oxide A

Workpiece Materials

Stainless steel (INOX), steel

Application

Surface grinding, work on weld seams, fillet weld grinding

Recommendation for Use

Suitable for use on angle grinders of all output categories.

PFERD Specification Number

A 46 H SGP WHISPER

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 1/4	7.4	7/8	61582	10	5/8-11	61588	10	13,300
5 x 1/4	7.4	7/8	61583	10	5/8-11	61589	10	12,200





SG-FLEX Reinforced Grinding Wheels **NEW**

Semi-Flexible (Type 27) – Performance Line SG-ELASTIC

SG-FLEX featuring ceramic oxide abrasive grain is recommended for fast weld removal and heavy deburring on all metals. 1/8" wheel thickness provides smooth grinding with minimal vibration for blending to a quality finish. Wheel flex during grinding process creates a large surface contact area for easy blending operations and reduced risk of gouging the workpiece material.

Note

The 7/8" bore SG-FLEX wheel must only be used with the backing pad included with each full package ordered.

Abrasive: Ceramic Oxide CO

Grit Sizes: 36, 46, 60

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

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

Application

Surface grinding, weld grinding and finishing

Recommendation for Use

Suitable for angle grinders of all power outputs.

Ordering Note

1 backing pad is included in each packaging unit of 7/8" bore wheels.

PFERD Specification Number

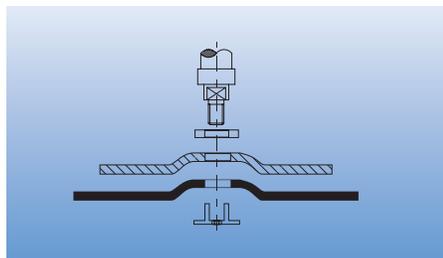
CO 36/46/60 H SG

**Steel/Stainless Steel (INOX)/
Aluminum/Non-Ferrous Metals
Semi-Flexible - Hardness Grade H**



T 27

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Grit	Unthreaded Arbor Hole				Threaded Arbor Hole (No Backing Pad needed)			Max. RPM
			Bore (H) [Inches]	EDP Number	 Compatible Backing Pad	Thread	EDP Number			
Semi-Flexible (Type 27)										
4-1/2 x 1/8	3.0	36	7/8	61053	10	EDP 69051	5/8-11	61076	10	13,300
4-1/2 x 1/8	3.0	46	7/8	61054	10	EDP 69051	5/8-11	61077	10	13,300
4-1/2 x 1/8	3.0	60	7/8	61055	10	EDP 69051	5/8-11	61078	10	13,300
5 x 1/8	3.0	36	7/8	61056	10	EDP 69051	5/8-11	61079	10	12,200
5 x 1/8	3.0	46	7/8	61057	10	EDP 69051	5/8-11	61080	10	12,200
5 x 1/8	3.0	60	7/8	61058	10	EDP 69051	5/8-11	61081	10	12,200
7 x 1/8	3.0	36	7/8	61062	10	EDP 69071	-			8,600
7 x 1/8	3.0	46	7/8	61063	10	EDP 69071	-			8,600
7 x 1/8	3.0	60	7/8	61064	10	EDP 69071	-			8,600



Use the backing pad when mounting SG-FLEX wheels on an angle grinder. Backing pad controls wheel flexibility to provide optimum level of removal and surface finish.

Safety Note

The maximum permitted operating speed is 80 m/s.

PFERD Specification Number

ST FD

Backing Pad for Flexible Grinding Wheels



For Wheel Diameter (D) [Inches]	Bore (H) [Inches]	EDP Number		Max. RPM
4-1/2, 5	7/8	69051	5	13,300
7	7/8	69071	5	8,600



NEW CC-GRIND Quick-Change Grinding Discs

Performance Line SG-ELASTIC



For highly abrasive grinding with ultimate stock removal and very good tool life on large surfaces. The special grinding disc version combined with the matching backing pad allows maximum machining capacity in a very short time.

The backing pad and grinding disc are equipped with a patented quick-change system. This guarantees tool-free disc change-ups.

Advantages

Quick-change system, high-performance grinding agents and optimum cooling system result in:

- Workpiece temperature reduced by up to 30 %.
- Aggressiveness increased by up to 40 %.
- Tool life increased by up to 30 %.
- Low-vibration work.
- Low noise emissions.
- Low stress on the angle grinder.

Profitability increased by 35 %

Thanks to the combination of significantly increased abrasiveness during the grinding process and the longer tool life, CC-GRIND improves profitability by around 35 % compared with a conventional reinforced grinding disc.

Noise and Vibration reduced by 50 %

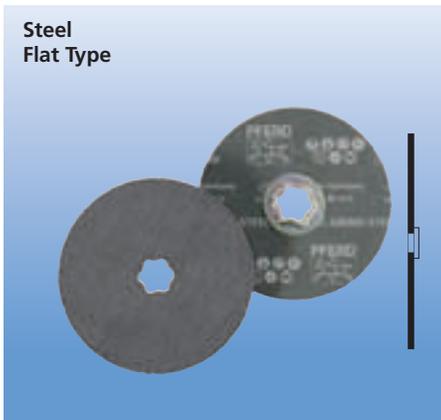
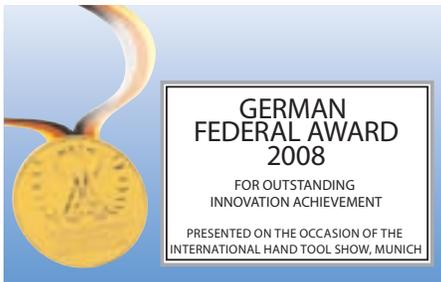
The grinding disc CC-GRIND from PFERD reduces noise and vibration load by about 50 % compared with conventional reinforced grinding wheel.

Recommendation for Use

- Only use CC-GRIND for surface grinding. Not suitable for edge grinding.
- Avoid use on sharp edges as much as possible to prevent tool damage.

Safety Note:

For safety reasons the stated max. RPM level must not be exceeded.



High performance quick-change grinding disc for extremely high stock removal performance on steel.

Workpiece Materials

Steel

Application

Surface grinding

Ordering Note

Please order backing pad separately.

PFERD Specification Number

CC-GRIND SG-STEEL



Diameter (D) [Inches]	EDP Number	Compatible Backing Pad		Max. RPM
4-1/2	61940	EDP 69476, 69477	25	13,300
5	61950	EDP 69476, 69477	25	12,200



High performance quick-change grinding disc for cool grinding with very good stock removal on stainless steel (INOX).

Workpiece Materials

Stainless steel (INOX)

Application

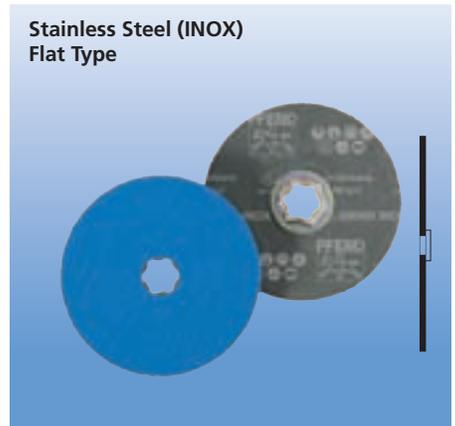
Surface grinding

Ordering Note

Please order backing pad separately.

PFERD Specification Number

CC-GRIND SG-INOX



**Stainless Steel (INOX)
Flat Type**

Diameter (D) [Inches]	EDP Number	Compatible Backing Pad		Max. RPM
4-1/2	61941	EDP 69478, 69479	25	13,300
5	61951	EDP 69478, 69479	25	12,200

With this backing pad, CC-GRIND discs can be mounted on standard angle grinders.

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

The patented quick-change system reduces tool change-up times to a minimum.

The special backing pad design significantly increases grinding performance.

For steel = grey
For stainless steel (INOX) = blue

Safety Note

The maximum permitted peripheral speed is 80 m/s.

PFERD Specification Number

CC-GRIND GT



Backing Pads CC-GRIND

Diameter (D) [Inches]	Thread Size	Workpiece Material	EDP Number		Max. RPM
4-1/2, 5	5/8-11	Steel	69476	1	13,300
4-1/2, 5	M14	Steel	69477	1	13,300
4-1/2, 5	5/8-11	Stainless Steel (INOX)	69478	1	13,300
4-1/2, 5	M14	Stainless Steel (INOX)	69479	1	13,300

Reinforced Grinding Wheels

Depressed Centre (Type 27) Pipeline – Universal Line PS-FORTE



PFERD pipeline wheels are designed for light grinding and cutting of pipeline root pass, weld and flame cut grinding, and all facets of steel and non-ferrous metal production and fabrication.

Specializing in the pipeline industry, PFERD also produces a wide variety of other products commonly used in pipe-joining applications, such as stringer bead brushes and pipeline files.

Please contact PFERD for more information about how we can help you optimize your abrasive and brushing applications.



Stainless Steel (INOX)
Soft Type - Hardness Grade M-INOX

General purpose pipeline wheel provides smooth grinding action, fast removal rates and good service life with minimal contact pressure. In addition to providing an aggressive, low cost solution for conventional use, stainless steel (INOX)-rated pipeline PSF is an excellent tool for pipe fitters.

Abrasive: Aluminum Oxide

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Stainless steel (INOX)

Application

Surface grinding, edge grinding, root pass grinding

Recommendation for Use

Achieves particularly high stock removal rates even at low contact pressure.

PFERD Specification Number

A 24 M PSF INOX PIPE

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x 1/8	4.1	5/8	63409	10	-	-	-	15,300
4-1/2 x 1/8	4.1	7/8	63410	10	5/8-11	63414	10	13,300
5 x 1/8	4.1	7/8	63411	10	5/8-11	63415	10	12,200
6 x 1/8	4.1	7/8	63398	10	5/8-11	63418	10	10,200
7 x 1/8	4.1	7/8	63412	10	5/8-11	63416	10	8,600
7 x 1/8	4.6	7/8	63436	10	5/8-11	63454	10	8,600
9 x 1/8	4.1	7/8	63413	10	5/8-11	63417	10	6,600





Reinforced Grinding Wheels

Depressed Centre (Type 27) Pipeline – Performance Line SG-ELASTIC

This performance pipeline wheel is developed for professional use, featuring long service life for reduced wheel changes, fast grinding, and cutting and excellent edge-holding characteristics.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel

Application

Weld grinding, edge grinding, root pass grinding

Recommendation for Use

Achieves optimum grinding results on high-powered angle grinders.

PFERD Specification Number

A 24 R SG PIPE



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 1/8	4.1	7/8	63400	10	5/8-11	63405	10	13,300
5 x 1/8	4.1	7/8	63406	10	5/8-11	63407	10	12,200
5 x 5/32	4.1	7/8	63351	10	5/8-11	63376	10	12,200
6 x 1/8	4.1	7/8	63399	10	5/8-11	63408	10	10,200
6 x 5/32	4.1	7/8	63352	10	5/8-11	63377	10	10,200
7 x 1/8	4.1	7/8	63401	10	5/8-11	63403	10	8,600
7 x 5/32	4.1	7/8	63353	10	5/8-11	63378	10	8,600
9 x 1/8	4.1	7/8	63402	10	5/8-11	63404	10	6,600



Reinforced Grinding Wheels

Depressed Centre (Type 27) Pipeline – Performance Line SG-ELASTIC



Designed for use on high-powered angle grinders on steel pipelines. Provides outstanding stock removal and very long life. Superior edgeholding characteristics.

Abrasive: Zirconia Alumina

Workpiece Materials

Steel

Application

Weld grinding, edge grinding, root pass grinding

Recommendation for Use

Provides optimum grinding results on high-powered angle grinders.

PFERD Specification Number

ZA 30 S SG PIPE

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 1/8	4.1	7/8	63251	10	5/8-11	63255	10	13,300
5 x 1/8	4.1	7/8	63252	10	5/8-11	63256	10	12,200
7 x 1/8	4.1	7/8	63253	10	5/8-11	63257	10	8,600
7 x 1/8	4.6	7/8	63448	10	5/8-11	63466	10	8,600
9 x 1/8	4.1	7/8	63254	10	5/8-11	63258	10	6,600
9 x 1/8	4.6	7/8	63449	10	5/8-11	63467	10	6,600



Premium, long life grinding wheel for stainless steel (INOX) and high temperature alloys. Smooth grinding action and fast removal rates are achieved with minimal contact pressure. Also suitable for carbon steel and all ferrous metals.

Abrasive: Special Aluminum Oxide

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Stainless steel (INOX)

Application

Root pass grinding, weld grinding, surface grinding

Recommendation for Use

Provides optimum grinding results on high-powered angle grinders.

PFERD Specification Number

A 30 N SG INOX PIPE

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
6 x 1/8	4.1	7/8	63357	10	5/8-11	63382	10	10,200



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



Performance notching pipeline wheel features long service life for reduced wheel changes, fast grinding and cutting of root pass, and excellent edge-holding characteristics.

Abrasive: Special Aluminum Oxide

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Stainless steel (INOX), steel

Application

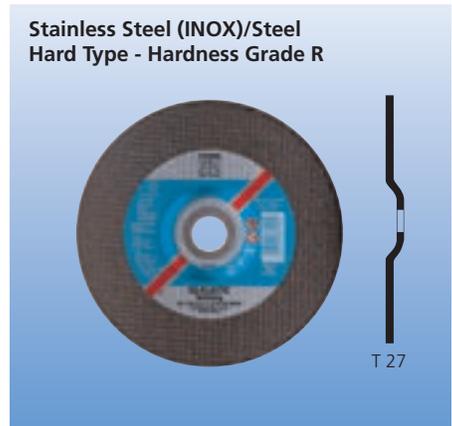
NOTCHING wheels are designed for use on their edge, perpendicular to the workpiece. Recommended for light grinding and cutting of pipeline root pass, and notching for weld repairs.

Recommendation for Use

Provides optimum grinding results on high-powered angle grinders.

PFERD Specification Number

A 24/46 R SG INOX NOTCHING



Stainless Steel (INOX)/Steel
Hard Type - Hardness Grade R

T 27

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 1/8	3.2	7/8	63421	20	5/8-11	63427	10	13,300
5 x 1/8	3.2	7/8	63422	20	5/8-11	63428	10	12,200
6 x 1/8	3.2	7/8	63423	20	5/8-11	63429	10	10,200
7 x 1/8	3.2	7/8	63424	20	5/8-11	63430	10	8,600
9 x 1/8	3.2	7/8	63425	20	5/8-11	63431	10	6,600



Cup Wheels

Flared (Type 11) – Performance Line SG-ELASTIC



Type 11 flaring cup wheels are commonly used in grinding and snagging operations, especially in foundries on right angle grinders for removing gates, risers and parting lines from castings.

Cup wheels provide a large surface contact area, and are produced with a high amount of abrasive grain. This ensures high performance removal rates, especially on high power tools.

PFERD range includes aluminum oxide, silicon carbide and zirconia grain types. Available in plain back or in steel back for added strength, durability and maximum safety in severe applications.



Steel/Cast Iron
Soft Type - Hardness Grade Q

Aluminum oxide grain provides fast removal of flashing, clean castings and mold marks.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel, cast iron

Application

Weld dressing, edge grinding

Recommendation for Use

Can be used at a slight angle for weld dressing.

PFERD Specification Number

A 16 Q SG

Diameter (D x J) [Inches]	Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Threaded Arbor Hole			Max. RPM
			Thread	EDP Number		
Flared (Type 11) Steel Back						
4 x 3-1/2	1	25	5/8-11	61801	2	8,600
5 x 3-3/4	1-1/2	40	5/8-11	61802	2	7,600
6 x 4-3/4	1-1/2	40	5/8-11	61803	2	6,300
Flared (Type 11) Plain Back						
4 x 3-1/2	1	25	5/8-11	61808	2	8,600
5 x 3-3/4	1-1/2	40	5/8-11	61809	2	7,600
6 x 4-3/4	1-1/2	40	5/8-11	61810	2	6,300

Zirconia alumina offers longest life and best performance for the toughest applications, out-lasting aluminum oxide by more than 2 to 1.

Abrasive: Zirconia Alumina

Workpiece Materials

Steel, cast iron

Application

Weld finishing, surface grinding, edge grinding

Recommendation for Use

Optimum results are obtained with high-powered angle grinders.

PFERD Specification Number

ZA 16 Q SG



Steel/Cast Iron
Soft Type - Hardness Grade Q

Diameter (D x J) [Inches]	Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Thread	Threaded Arbor Hole		Max. RPM
				EDP Number		
Flared (Type 11) Steel Back						
4 x 3-1/2	1	25	5/8-11	61817	2	8,600
5 x 3-3/4	1-1/2	40	5/8-11	61818	2	7,600
6 x 4-3/4	1-1/2	40	5/8-11	61819	2	6,300
Flared (Type 11) Plain Back						
4 x 3-1/2	1	25	5/8-11	61821	2	8,600
5 x 3-3/4	1-1/2	40	5/8-11	61822	2	7,600
6 x 4-3/4	1-1/2	40	5/8-11	61823	2	6,300



Tough and sharp silicon carbide grain for surface grinding. Excellent for removal of mould marks, flashing and cleaning of castings.

Abrasive: Silicon Carbide

Workpiece Materials

Masonry, concrete, stone

Application

Surface grinding, edge grinding

Recommendation for Use

Wet grinding, dry grinding

PFERD Specification Number

C 16 Q SG



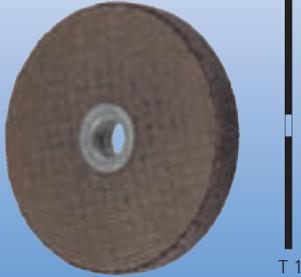
Masonry/Concrete/Stone
Soft Type - Hardness Grade Q

Diameter (D x J) [Inches]	Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Thread	Threaded Arbor Hole		Max. RPM
				EDP Number		
Flared (Type 11) Steel Back						
4 x 3-1/2	1	25	5/8-11	61805	2	8,600
5 x 3-3/4	1-1/2	40	5/8-11	61806	2	7,600
6 x 4-3/4	1-1/2	40	5/8-11	61807	2	6,300
Flared (Type 11) Plain Back						
4 x 3-1/2	1	25	5/8-11	61811	2	8,600
5 x 3-3/4	1-1/2	40	5/8-11	61812	2	7,600
6 x 4-3/4	1-1/2	40	5/8-11	61813	2	6,300

Snagging Wheels

Flat (Type 1) – Performance Line SG-ELASTIC

Steel/Stainless Steel (INOX)/Cast Iron
Soft Type - Hardness Grade M



Type 1 wheels for snagging and grinding (use with mandrels listed on page 27).

Abrasive: Aluminum Oxide

Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Steel, stainless steel (INOX), cast iron

Application

Grinding in hard-to-reach areas

Recommendation for Use

When mandrel-mounted on a straight grinder, these tools can be operated without protective hood up to the max. permissible mandrel RPM.



PFERD Specification Number

A 24/36 M SG

Diameter (D) x Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	Grit	EDP Number		Max. RPM
Flat (Type 1)						
2 x 1/4	6.3	3/8	24	69236	25	30,000
3 x 1/8	4.1	3/8	24	69332	25	23,000
3 x 1/8	4.1	3/8	36	69333	25	23,000
3 x 1/4	6.3	3/8	24	69336	25	23,000
3 x 1/4	6.3	3/8	36	69337	25	23,000
3 x 3/8	10.0	3/8	24	69340	20	18,000
3 x 3/8	10.0	3/8	36	69341	20	18,000
3 x 1/2	13.0	3/8	24	69344	15	18,000
4 x 1/8	4.1	3/8	24	69432	25	19,000
4 x 1/4	6.3	3/8	24	69446	25	19,000
4 x 1/4	6.3	3/8	36	69447	25	19,000
4 x 1/2	13.0	3/8	24	69442	15	13,500



Accessory for mounting snagging wheels on straight grinders.

Recommendation for Use

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

PFERD Specification Number

M-DG

Mandrels for Snagging Wheels



Diameter (D) [Inches]	Shank Diameter (D) [Inches]	EDP Number		Max. RPM
1/4	1/4	69029	10	30,000
3/8	1/4	69030	10	30,000

Reducer Bushings

PFERD Specification Number

RBP

Reducer Bushings



Outside Diameter (D) [Inches] from to	EDP Number	
2-3/8 1 (steel)	69020	1
2-3/8 1-1/4 (steel)	69021	1
2-3/8 1-1/2 (steel)	69022	1
2-3/8 1-3/4 (steel)	69023	1
1-1/2 1-1/4	69001	1
1-1/4 1	69007	1
1-1/8 1	69008	1
1 7/8	69003	1
1 20 mm	69004	1
1 5/8	69005	1
7/8 5/8	69006	1

Cones and Plugs

Curved (Type 16) and Tapered (Type 17) – Universal Line PS-FORTE



PFERD cones and plugs for horizontal and straight grinders are ideal for cleaning welds and castings. They can be used for internal grinding, blending contours, working in confined areas, and grinding and smoothing weld fillets and corners. High performance for grinding and snagging welds and castings on ferrous materials.

Steel/Ferrous Metals Type 16



Type 16 - curved sides and rounded tip for grinding contours or flat surfaces.

Abrasive: Aluminum Oxide,
Grit 16, Resinoid Bonded

Workpiece Materials

Steel and all ferrous metals

Application

Internal grinding, blending contours, working in confined areas, grinding and smoothing weld fillets and corners

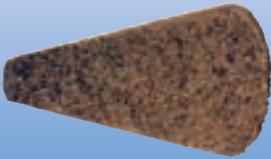
Recommendation for Use

For horizontal and straight grinders

PFERD Specification Number
ECX A 16 PSF

Diameter (D) x Length [Inches]	Threaded Arbor Hole			Max. RPM
	Thread	EDP Number		
Curved (Type 16)				
1-1/2 x 2-1/2	3/8-24	61816	10	24,100
1-1/2 x 3	5/8-11	61820	10	24,100
1-3/4 x 3	5/8-11	61826	10	20,700
2 x 3	5/8-11	61829	10	18,100
2-3/4 x 3-1/2	5/8-11	61837	10	13,200

Steel/Ferrous Metals Type 17



Type 17 - tapered, straight sides and square tip for beveling workpiece edges.

Abrasive: Aluminum Oxide,
Grit 16, Resinoid Bonded

Workpiece Materials

Steel and all ferrous metals

Application

Internal grinding, blending contours, working in confined areas, grinding and smoothing weld fillets and corners

Recommendation for Use

For horizontal and straight grinders

PFERD Specification Number
ECT A 17 PSF

Diameter (D) x Length [Inches]	Threaded Arbor Hole			Max. RPM
	Thread	EDP Number		
Tapered (Type 17)				
1-1/2 x 2-1/2	3/8-24	61850	10	24,100
1-1/2 x 2-1/2	5/8-11	61851	10	24,100
1-1/2 x 3	3/8-24	61854	10	24,100
1-1/2 x 3	5/8-11	61855	10	24,100
2-1/2 x 3	5/8-11	61859	10	18,100

Type 18 - straight sides and blunt nose for flat surfaces and inside edges.

Abrasive: Aluminum Oxide, Grit 16, Resinoid Bonded

Workpiece Materials
Steel and all ferrous metals

Application
Internal grinding, blending contours, working in confined areas, grinding and smoothing weld fillets and corners

Recommendation for Use
For horizontal and straight grinders

PFERD Specification Number
EPS A 18 PSF

**Steel/Ferrous Metals
Type 18**



Diameter (D) x Length [Inches]	Threaded Arbor Hole			Max. RPM
	Thread	EDP Number		
Straight (Type 18)				
1 x 2	3/8-24	61883	10	36,200
1-1/2 x 2-1/2	3/8-24	61884	10	24,100
1-1/2 x 2-1/2	5/8-11	61885	10	24,100
1-1/2 x 3	3/8-24	61888	10	24,100
1-1/2 x 3	5/8-11	61889	10	24,100
2 x 3	5/8-11	61893	10	18,100

Type 18R - straight sides for flat surfaces and round nose for contouring.

Abrasive: Aluminum Oxide, Grit 16, Resinoid Bonded

Workpiece Materials
Steel and all ferrous metals

Application
Internal grinding, blending contours, working in confined areas, grinding and smoothing weld fillets and corners

Recommendation for Use
For horizontal and straight grinders

PFERD Specification Number
EPR A 18R PSF

**Steel/Ferrous Metals
Type 18R**



Diameter (D) x Length [Inches]	Threaded Arbor Hole			Max. RPM
	Thread	EDP Number		
Straight (Type 18R)				
1-1/2 x 2-1/2	3/8-24	61927	10	24,100
1-1/2 x 2-1/2	5/8-11	61928	10	24,100
1-1/2 x 3	3/8-24	61931	10	24,100
1-1/2 x 3	5/8-11	61932	10	24,100
2 x 3	5/8-11	61936	10	18,100

Bench Wheels

Flat (Type 1) – Universal Line PS-FORTE



Vitrified bench grinding wheels are offered in aluminum oxide and in green silicon carbide in a wide selection of sizes and grits.

Refer to safety information on page 5-6 of this catalogue.

**Steel/Ferrous Metals
Aluminum Oxide**



Designed for use on bench and pedestal grinders, these vitrified wheels offer high performance on a multitude of applications. All bench wheels are packaged with telescoping bushings to accommodate popular machine spindle sizes.

Recommendation for Use
Before mounting, read the tip sheet that ships with PFERD bench grinding wheels for optimal safety and performance.

PFERD Specification Number
A 24/36/46/60/80 PSF

Abrasive: Aluminum Oxide

Workpiece Materials

Steel and all ferrous metals

Application

Ideal for removing burrs on workpieces. Also used for sharpening edges of tools made of high speed steel

Diameter (D) x Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	Grit	EDP Number		Max. RPM
Flat (Type 1)						
6 x 1/2	12.7	1	36	61734	1	4,140
6 x 1/2	12.7	1	60	61736	1	4,140
6 x 3/4	19.0	1	24	61738	1	4,140
6 x 3/4	19.0	1	36	61739	1	4,140
6 x 3/4	19.0	1	46	61740	1	4,140
6 x 3/4	19.0	1	60	61741	1	4,140
6 x 3/4	19.0	1	80	61742	1	4,140
6 x 1	38.1	1	24	61743	1	4,140
6 x 1	38.1	1	36	61744	1	4,140
6 x 1	38.1	1	46	61745	1	4,140
6 x 1	38.1	1	60	61746	1	4,140
6 x 1	38.1	1	80	61747	1	4,140
7 x 3/4	19.0	1	36	61749	1	3,600
7 x 3/4	19.0	1	60	61751	1	3,600
7 x 1	25.4	1	24	61753	1	3,600
7 x 1	25.4	1	36	61754	1	3,600
7 x 1	25.4	1	46	61755	1	3,600
7 x 1	25.4	1	60	61756	1	3,600
7 x 1	25.4	1	80	61757	1	3,600
8 x 1	25.4	1-1/4	24	61763	1	3,600
8 x 1	25.4	1-1/4	36	61764	1	3,600
8 x 1	25.4	1-1/4	46	61765	1	3,600
8 x 1	25.4	1-1/4	60	61766	1	3,600
8 x 1	25.4	1-1/4	80	61767	1	3,600
10 x 1	25.4	1-1/4	24	61768	1	2,400
10 x 1	25.4	1-1/4	36	61769	1	2,400

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Diameter (D) x Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	Grit	EDP Number		Max. RPM
10 x 1	25.4	1-1/4	46	61770	1	2,400
10 x 1	25.4	1-1/4	60	61771	1	2,400
10 x 1	25.4	1-1/4	80	61772	1	2,400
10 x 1-1/2	38.1	1-1/4	24	61773	1	2,400
10 x 1-1/2	38.1	1-1/4	36	61774	1	2,400
10 x 1-1/2	38.1	1-1/4	60	61776	1	2,400
12 x 2	50.8	1-1/2	24	61778	1	2,070
12 x 2	50.8	1-1/2	36	61779	1	2,070
12 x 2	50.8	1-1/2	46	61780	1	2,070
12 x 2	50.8	1-1/2	60	61781	1	2,070
14 x 2	50.8	1-1/2	24	61782	1	1,800
14 x 2	50.8	1-1/2	36	61783	1	1,800
14 x 2	50.8	1-1/2	60	61784	1	1,800

Designed for use on bench and pedestal grinders, these vitrified wheels offer high performance on a multitude of applications. All bench wheels are packaged with telescoping bushings to accommodate popular machine spindle sizes.

Abrasive: Silicon Carbide

Workpiece Materials

Carbide and all non-ferrous metals, masonry

Application

Ideal for sharpening, edges on cutting tools with carbide tips

Recommendation for Use

Before mounting, read the tip sheet that ships with PFERD bench grinding wheels for optimal safety and performance.

PFERD Specification Number

C 60/80/120 PSF



Diameter (D) x Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	Grit	EDP Number		Max. RPM
Flat (Type 1)						
6 x 3/4	19.0	1	60	61785	1	4,140
6 x 3/4	19.0	1	80	61786	1	4,140
6 x 3/4	19.0	1	120	61787	1	4,140
6 x 1	25.4	1	60	61788	1	4,140
6 x 1	25.4	1	80	61789	1	4,140
6 x 1	25.4	1	120	61790	1	4,140
7 x 1	25.4	1	60	61791	1	3,600
7 x 1	25.4	1	80	61792	1	3,600
7 x 1	25.4	1	120	61793	1	3,600
8 x 1	25.4	1-1/4	60	61794	1	3,600
8 x 1	25.4	1-1/4	80	61795	1	3,600
8 x 1	25.4	1-1/4	120	61796	1	3,600
10 x 1	25.4	1-1/4	60	61797	1	2,400
10 x 1	25.4	1-1/4	80	61798	1	2,400
10 x 1	25.4	1-1/4	120	61799	1	2,400

Bench Wheels

Bench Wheel Bushings and Quick-Change Adapter Kit

Bench Wheel Bushings



PFERD bench grinder bushings provide a safe method of reducing the wheel arbor to accommodate various spindle sizes. The bushing should be flush on both sides of the wheel, and should not interfere with the flanges.

Recommendation for Use

CAUTION: Smaller spindles frequently run at higher RPMs.

Safety Note

Never exceed maximum RPM listed on wheel labels.

PFERD Specification Number
RBB

Diameter (D) [Inches] from to	EDP Number	
Telescoping		
1/2" wide; 1 3/4, 5/8, 1/2	69018	1
3/4" wide; 1 3/4, 5/8, 1/2	69019	1
1" wide; 1 3/4, 5/8, 1/2	69011	1
1" wide 1-1/4	69024	1
1" wide 1	69025	1
Standard		
1-1/4 1	69012	1
1-1/4 15/16	69013	1
1-1/4 7/8	69014	1
1-1/4 3/4	69015	1
1-1/4 5/8	69016	1
1-1/4 1/2	69017	1

Quick-Change Adapter Kit



Reusable hub for use with 7" and 9" type 27 wheels on right angle grinders with 5/8-11 spindle.

PFERD Specification Number
Kit 5/8-11

Description	EDP Number	
Arbor Adapter Kit 5/8-11	69009	1



Floor rubs are available in three different grits for rough grinding to smooth finishing on concrete and other masonry surfaces. Silicon carbide rubs are vitrified bonded for wet or dry use. Wooden wedges for mounting rubs are also available.

Floor rubs are available in three different grits for rough grinding to smooth finishing.

Abrasive: Silicon Carbide

Workpiece Materials

Concrete and other masonry materials

Recommendation for Use

Silicon carbide rubs are vitrified bonded for wet or dry use, wooden wedges for mounting.

PFERD Specification Number

FR C10, 24, 80



Dimensions [Inches]	Type	Grit	EDP Number	
Silicon Carbide				
4 x 2 x 2	Plain	10	61514	6
4 x 2 x 2	Plain	24	61515	6
4 x 2 x 2	Plain	80	61516	6
Wedge				
4 x 3/4 x 3/16	Wood	-	61540	1

Hand rubs offer an efficient and economical method of concrete surface and joint smoothing, form mark removal, etc.

Abrasive: Silicon Carbide

Workpiece Materials

Concrete and other masonry surfaces

Recommendation for Use

Available in various sizes, with or without handles.

PFERD Specification Number

HR C10, 24, 80



Dimensions [Inches]	Type	EDP Number	
Silicon Carbide			
6 x 2 x 2	Fluted	61520	5
8 x 2 x 2	Fluted	61525	5
6 x 3 x 1	Handle	61530	5
8 x 3-1/2 x 1-1/2	Handle	61535	5



Product Lines

For the diverse grinding applications in industry and professional trades. PFERD offers POLIFAN® flap discs in three product lines easily differentiated in performance levels by a colour code system:



Universal Line PSF

General use in industry and professional trades.



Performance Line SG

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



Special Line SGP

For highest possible performance, and for industrial niche 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 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 latest flap disc innovations in the PFERD range include the new **POLIFAN®-STRONG** with its exceptional removal rate and tool life and **POLIFAN®-CURVE** for fillet weld grinding.

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

Your Quick Product Selection Guide

Starting with the application ① and material ②, the following overview shows the various flap discs in the PFERD range and helps you find the best selection.

① Application	② Workpiece Material		Steel, Cast Steel		Stainless Steel (INOX)		Aluminum, Non-Ferrous Metals		Plastics and other Materials		Stone, Masonry	
	Type	Page	Type	Page	Type	Page	Type	Page	Type	Page	Type	Page
Surface Grinding	PSF A	37	PSF A	37	SG A-COOL SGP CO-COOL	43 49	PSF A PSF ZIRKON PSF ZIRKON-EXTRA SG A SG A-COOL SG ZA SG ZIRKON SG CO SGP ZIRKON-COOL SGP CO-COOL SGP ZIRKON-EXTRA	43 49	PSF A SG A SG A-COOL	37 40 43	SG SiC	45
	PSF ZIRKON	38	PSF ZIRKON	38								
	PSF ZIRKON-EXTRA	39	PSF ZIRKON-EXTRA	39								
	SG A	40	SG A	40								
	SG A-COOL	43	SG A-COOL	43								
	SG ZA	44	SG ZA	44								
	SG ZIRKON	41	SG ZIRKON	41								
SG CO	43	SG CO	43									
SGP ZIRKON-COOL	48	SGP ZIRKON-COOL	48									
SGP CO-COOL	49	SGP CO-COOL	49									
SGP ZIRKON-EXTRA	48	SGP ZIRKON-EXTRA	48									
Weld Dressing	PSF A	37	PSF ZIRKON	38	SG A-COOL SG SiC SGP CO-COOL	43 45 49	PSF ZIRKON PSF ZIRKON-EXTRA SG ZA SG CO SGP ZIRKON-COOL SGP CO-COOL SGP ZIRKON-EXTRA	43 45 49	-	-	-	-
	PSF ZIRKON	38	PSF ZIRKON	38								
	PSF ZIRKON-EXTRA	39	PSF ZIRKON-EXTRA	39								
	SG A	40	SG ZA	44								
	SG ZIRKON-COOL	42	SG CO	43								
	SG ZIRKON	41	SGP ZIRKON-COOL	48								
	SGP ZIRKON-STRONG	46	SGP CO-COOL	49								
SGP ZIRKON-EXTRA	48	SGP ZIRKON-EXTRA	48									
Chamfering	SG ZIRKON-COOL	42	SG ZIRKON	41	SG SiC SGP CO-COOL	45 49	SG ZIRKON-COOL SGP CO-COOL	45 49	PSF A SG A	37 40	SG SiC	45
	SG ZIRKON	41										
	SGP ZIRKON-STRONG	46										
Deburring	SG ZIRKON-COOL	42	-	-	SG SiC SGP CO-COOL	45 49	SG ZIRKON-COOL SGP CO-COOL	45 49	PSF A SG A	37 40	-	-
	SGP ZIRKON-STRONG	46										
Fillet Grinding	SGP ZIRKON-CURVE	47	SGP ZIRKON-CURVE	47	-	-	-	-	-	-	-	-

PFERD Specification Number

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

1. Designation and Shape of the Tool

- PFF = Flat Type 27 
- PFC = Conical Type 29 
- PFR = Radial Type 

2. Outside Diameter

Outside Dia. D in [mm]

3. Abrasive

- A = Aluminum Oxide
- CO = Ceramic Oxide
- SiC = Silicon Carbide
- Z = Zirconia Alumina
- ZA = Zirconia Alumina/Aluminum Oxide

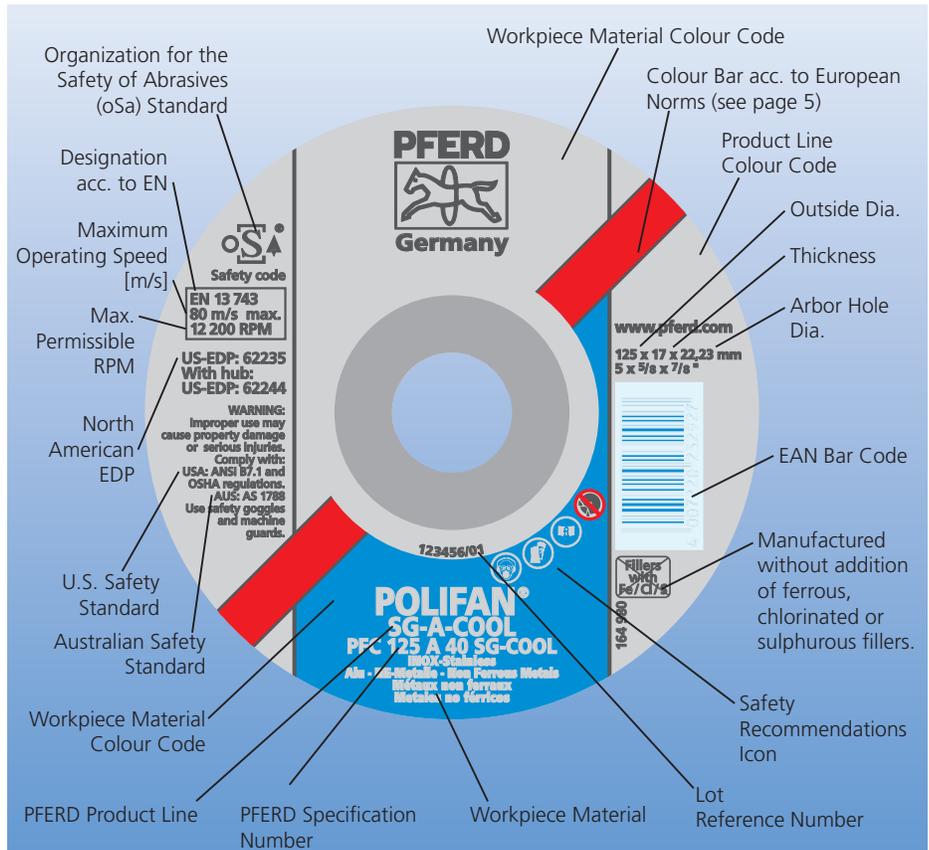
4. Grit Size

5. PFERD Product Lines

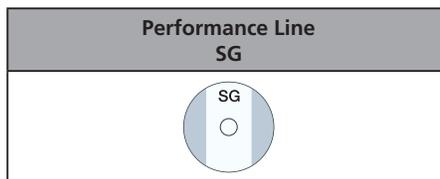
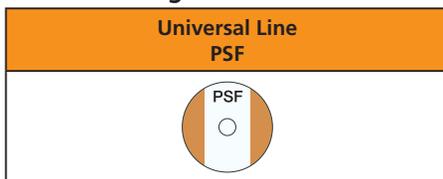
- Universal Line PSF
- Performance Line SG
- Special Line SGP

6. Tool Variant

- COMPACT = For chamfering and deburring
- COOL = For very cool grinding
- CORNER = For corners and angles
- CURVE = For fillet grinding
- EXTRA = For extended service life
- STRONG = For maximum stock removal and tool life



Colour Coding of the Three Product Lines



Colour Coding for the Recommended Workpiece Materials

Universal Line PSF	
Material = Colour	Page
 Steel, Stainless Steel (INOX) black/blue	37-39

Performance Line SG	
Material = Colour	Page
 Steel black	42
 Steel, Stainless Steel (INOX) black/blue	40-41, 43, 47-48
 Alu., Non-ferr. Metals, Stainless Steel (INOX) silver/blue	43
 Stainless Steel (INOX) blue	44
 Titanium, Alu., Fibreglass, Plastics, Masonry green	45

Special Line SGP	
Material = Colour	Page
 Steel, black	46
 Steel, Stainless Steel (INOX) black/blue	47-48
 Stainless Steel (INOX) blue	48-49



Versatile flap disc for multi-purpose grinding tasks. Suitable for angle grinders of all power outputs. Offers aggressive grinding performance and a good service life. Optimizes inventory management due to its suitability for many materials.

Abrasive: Aluminum Oxide

Grit sizes: 40, 60, 80, 120
 INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Workpiece Materials

Steel, Stainless steel (INOX), plastics, wood

Application

Surface grinding, edge grinding

Recommendation for Use

Achieves very good grinding results even at low contact pressure.

PFERD Specification Number

PSF A

**Steel/Stainless Steel (INOX)/Plastics
 Type PSF A**



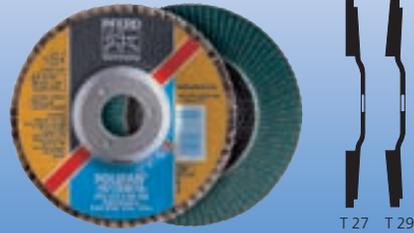
Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4-1/2	5/8	16	40	7/8	62009	10	5/8-11	62028	10	13,300
4-1/2	5/8	15	60	7/8	62010	10	5/8-11	62029	10	13,300
4-1/2	5/8	15	80	7/8	62011	10	5/8-11	62030	10	13,300
4-1/2	1/2	13	120	7/8	62012	10	5/8-11	62031	10	13,300
5	5/8	16	40	7/8	63001	10	5/8-11	63006	10	12,200
5	5/8	15	60	7/8	63002	10	5/8-11	63007	10	12,200
5	5/8	15	80	7/8	63003	10	5/8-11	63008	10	12,200
5	1/2	13	120	7/8	63004	10	5/8-11	63009	10	12,200
7	5/8	16	40	7/8	62019	10	5/8-11	62038	10	8,600
7	9/16	14	60	7/8	62020	10	5/8-11	62039	10	8,600
7	9/16	14	80	7/8	62021	10	5/8-11	62040	10	8,600

Conical (PFC - Type 29)										
4-1/2	5/8	15	40	7/8	62047	10	5/8-11	62066	10	13,300
4-1/2	9/16	14	60	7/8	62048	10	5/8-11	62067	10	13,300
4-1/2	5/8	15	80	7/8	62049	10	5/8-11	62068	10	13,300
4-1/2	1/2	12	120	7/8	62050	10	5/8-11	62069	10	13,300
5	5/8	15	40	7/8	63021	10	5/8-11	63026	10	12,200
5	9/16	14	60	7/8	63022	10	5/8-11	63027	10	12,200
5	9/16	14	80	7/8	63023	10	5/8-11	63028	10	12,200
5	1/2	12	120	7/8	63024	10	5/8-11	63029	10	12,200
7	5/8	15	40	7/8	62057	10	5/8-11	62076	10	8,600
7	9/16	14	60	7/8	62058	10	5/8-11	62077	10	8,600

POLIFAN® Flap Discs

Flat (Type 27) and Conical (Type 29) – Universal Line PSF

**Steel/Stainless Steel (INOX)
Type PSF ZIRKON**



T 27 T 29

General purpose flap discs for multipurpose, demanding grinding applications.

Abrasive: Zirconia Alumina Z

Grit sizes: 40, 60, 80, 120
INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Workpiece Materials

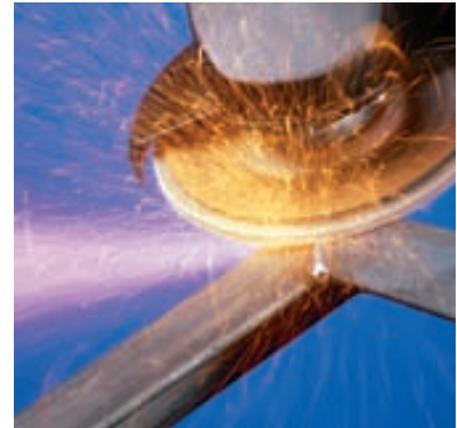
Steel, stainless steel (INOX)

Application

Weld dressing, edge finishing

Recommendation for Use

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



PFERD Specification Number

PSF Z

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4	5/8	15	40	5/8	62004	10	3/8-24	62159	10	15,300
4	9/16	14	60	5/8	62005	10	3/8-24	62161	10	15,300
4	9/16	14	80	5/8	62006	10	3/8-24	62163	10	15,300
4	9/16	14	120	5/8	62007	10	3/8-24	62165	10	15,300
4-1/2	5/8	15	40	7/8	62014	10	5/8-11	62033	10	13,300
4-1/2	9/16	14	60	7/8	62015	10	5/8-11	62034	10	13,300
4-1/2	9/16	14	80	7/8	62016	10	5/8-11	62035	10	13,300
5	5/8	15	40	7/8	63011	10	5/8-11	63015	10	12,200
5	9/16	14	60	7/8	63012	10	5/8-11	63016	10	12,200
5	9/16	14	80	7/8	63013	10	5/8-11	63017	10	12,200
6	5/8	15	40	7/8	63051	10	5/8-11	63056	10	10,200
6	9/16	14	60	7/8	63052	10	5/8-11	63057	10	10,200
7	5/8	15	40	7/8	62024	10	5/8-11	62043	10	8,600
7	9/16	14	60	7/8	62025	10	5/8-11	62044	10	8,600
7	9/16	14	80	7/8	62026	10	5/8-11	62045	10	8,600
Conical (PFC - Type 29)										
4-1/2	5/8	15	40	7/8	62052	10	5/8-11	62071	10	13,300
4-1/2	9/16	14	60	7/8	62053	10	5/8-11	62072	10	13,300
4-1/2	9/16	14	80	7/8	62054	10	5/8-11	62073	10	13,300
5	5/8	15	40	7/8	63031	10	5/8-11	63035	10	12,200
5	9/16	14	60	7/8	63032	10	5/8-11	63036	10	12,200
5	9/16	14	80	7/8	63033	10	5/8-11	63037	10	12,200
6	5/8	15	40	7/8	63071	10	5/8-11	63076	10	10,200
6	9/16	14	60	7/8	63072	10	5/8-11	63077	10	10,200
7	5/8	15	40	7/8	62062	10	5/8-11	62081	10	8,600
7	9/16	14	60	7/8	62063	10	5/8-11	62082	10	8,600
7	9/16	14	80	7/8	62064	10	5/8-11	62083	10	8,600

The POLIFAN® PSF ZIRKON-EXTRA range of flap discs features a special flap arrangement to provide flexibility and a cushioned grinding effect. Built with premium Zirconia abrasive material, PSF ZIRKON-EXTRA is constructed with 40 % more material than standard PSF flap discs, providing a long service life and an improved surface finish.



Abrasive: Zirconia Alumina Z

Grit sizes: 36, 40, 60, 80, 120

INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Workpiece Materials

Steel, stainless steel (INOX)

Application

Surface grinding, work on weld seams

Recommendation for Use

While these discs perform on all power outputs, high-powered angle grinders will achieve optimum results.

PFERD Specification Number

PSF Z-EXTRA

Steel/Stainless Steel (INOX)
Type PSF ZIRKON-EXTRA

NEW



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4-1/2	3/4	18	36	7/8	60457	10	5/8-11	60485	10	13,300
4-1/2	3/4	19	40	7/8	60458	10	5/8-11	60486	10	13,300
4-1/2	3/4	18	60	7/8	60460	10	5/8-11	60488	10	13,300
4-1/2	3/4	18	80	7/8	60461	10	5/8-11	60489	10	13,300
4-1/2	5/8	17	120	7/8	60462	10	5/8-11	60490	10	13,300
5	5/8	17	36	7/8	60464	10	5/8-11	60492	10	12,200
5	5/8	16	40	7/8	60465	10	5/8-11	60493	10	12,200
5	5/8	17	60	7/8	60467	10	5/8-11	60495	10	12,200
5	5/8	17	80	7/8	60468	10	5/8-11	60496	10	12,200
5	5/8	17	120	7/8	60469	10	5/8-11	60497	10	12,200
7	5/8	16	36	7/8	60478	10	5/8-11	60506	10	8,600
7	5/8	16	40	7/8	60479	10	5/8-11	60507	10	8,600
7	5/8	16	60	7/8	60481	10	5/8-11	60509	10	8,600
7	5/8	16	80	7/8	60482	10	5/8-11	60510	10	8,600
7	5/8	16	120	7/8	60483	10	5/8-11	60511	10	8,600

Conical (PFC - Type 29)

4-1/2	3/4	19	36	7/8	60625	10	5/8-11	60653	10	13,300
4-1/2	3/4	19	40	7/8	60626	10	5/8-11	60654	10	13,300
4-1/2	3/4	18	60	7/8	60628	10	5/8-11	60656	10	13,300
4-1/2	5/8	17	80	7/8	60629	10	5/8-11	60657	10	13,300
4-1/2	5/8	17	120	7/8	60630	10	5/8-11	60658	10	13,300
5	5/8	17	36	7/8	60632	10	5/8-11	60660	10	12,200
5	5/8	16	40	7/8	60633	10	5/8-11	60661	10	12,200
5	5/8	17	60	7/8	60635	10	5/8-11	60663	10	12,200
5	5/8	17	80	7/8	60636	10	5/8-11	60664	10	12,200
5	5/8	17	120	7/8	60637	10	5/8-11	60665	10	12,200
7	5/8	17	36	7/8	60646	10	5/8-11	60674	10	8,600
7	5/8	17	40	7/8	60647	10	5/8-11	60675	10	8,600
7	5/8	17	60	7/8	60649	10	5/8-11	60677	10	8,600
7	5/8	17	80	7/8	60650	10	5/8-11	60678	10	8,600
7	5/8	17	120	7/8	60651	10	5/8-11	60679	10	8,600

POLIFAN® Flap Discs

Flat (Type 27) and Conical (Type 29) – Performance Line SG



Steel/Stainless Steel (INOX)/Plastics Type SG A



Premium flap discs for high stock removal and extended service life. Effective on angle grinders of all output levels.

Abrasive: Aluminum Oxide

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

INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Workpiece Materials

Steel, stainless steel (INOX), plastics, wood

Application

Surface grinding, edge grinding

Recommendation for Use

Achieves very high stock removal rates even at low contact pressure.

PFERD Specification Number

SG A

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4	5/8	15	40	5/8	62140	10	3/8-24	62141	10	15,300
4	5/8	15	60	5/8	62142	10	3/8-24	62143	10	15,300
4	9/16	14	80	5/8	62144	10	3/8-24	62145	10	15,300
4	1/2	13	120	5/8	62146	10	3/8-24	62147	10	15,300
4-1/2	3/4	19	24	7/8	62149	10	5/8-11	62257	10	13,300
4-1/2	3/4	19	40	7/8	62150	10	5/8-11	62250	10	13,300
4-1/2	5/8	17	60	7/8	62152	10	5/8-11	62252	10	13,300
4-1/2	5/8	17	80	7/8	62154	10	5/8-11	62254	10	13,300
4-1/2	5/8	15	120	7/8	62156	10	5/8-11	62256	10	13,300
5	3/4	19	40	7/8	62158	10	5/8-11	62258	10	12,200
5	5/8	17	60	7/8	62160	10	5/8-11	62260	10	12,200
5	5/8	17	80	7/8	62162	10	5/8-11	62262	10	12,200
5	5/8	15	120	7/8	62164	10	5/8-11	62264	10	12,200
7	13/16	20	24	7/8	62166	10	5/8-11	62266	10	8,600
7	3/4	19	40	7/8	62168	10	5/8-11	62268	10	8,600
7	5/8	17	60	7/8	62170	10	5/8-11	62270	10	8,600
7	5/8	17	80	7/8	62172	10	5/8-11	62272	10	8,600
7	5/8	15	120	7/8	62174	10	5/8-11	62274	10	8,600

Conical (PFC - Type 29)

4-1/2	5/8	17	24	7/8	62201	10	5/8-11	62301	10	13,300
4-1/2	5/8	17	40	7/8	62202	10	5/8-11	62302	10	13,300
4-1/2	5/8	17	60	7/8	62203	10	5/8-11	62303	10	13,300
4-1/2	5/8	17	80	7/8	62204	10	5/8-11	62304	10	13,300
4-1/2	5/8	15	120	7/8	62205	10	5/8-11	62305	10	13,300
5	5/8	17	24	7/8	62212	10	5/8-11	62312	10	12,200
5	5/8	17	40	7/8	62213	10	5/8-11	62313	10	12,200
5	5/8	17	60	7/8	62214	10	5/8-11	62314	10	12,200
5	5/8	17	80	7/8	62215	10	5/8-11	62315	10	12,200
5	5/8	15	120	7/8	62216	10	5/8-11	62316	10	12,200
7	3/4	19	24	7/8	62207	10	5/8-11	62307	10	8,600
7	5/8	17	40	7/8	62208	10	5/8-11	62308	10	8,600
7	5/8	17	60	7/8	62209	10	5/8-11	62309	10	8,600
7	5/8	17	80	7/8	62210	10	5/8-11	62310	10	8,600
7	5/8	15	120	7/8	62211	10	5/8-11	62311	10	8,600

Zirconia grain offers the maximum efficiency in most demanding grinding applications. High stock removal rate and extended service life.

Abrasive: Zirconia Alumina Z

Grit sizes: 24, 36, 40, 60
 INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Workpiece Materials

Steel, stainless steel (INOX)

Application

Weld grinding, edge finishing

Recommendation for Use

Zirconia alumina grain is a high-performance abrasive medium delivering optimum performance on high-powered angle grinders at higher contact pressures and/or steeper work angles.

PFERD Specification Number

SG Z



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4	5/8	15	40	5/8	62138	10	3/8-24	62197	10	15,300
4	5/8	15	60	5/8	62139	10	3/8-24	62198	10	15,300
4-1/2	3/4	18	24	7/8	62179	10	5/8-11	62279	10	13,300
4-1/2	3/4	18	36	7/8	62173	10	5/8-11	62273	10	13,300
4-1/2	3/4	18	40	7/8	62176	10	5/8-11	62276	10	13,300
4-1/2	3/4	18	60	7/8	62178	10	5/8-11	62278	10	13,300
5	3/4	18	36	7/8	62181	10	5/8-11	62281	10	12,200
5	3/4	18	40	7/8	62182	10	5/8-11	62282	10	12,200
5	3/4	18	60	7/8	62184	10	5/8-11	62284	10	12,200
7	13/16	20	36	7/8	62187	10	5/8-11	62287	10	8,600
7	13/16	20	40	7/8	62188	10	5/8-11	62288	10	8,600
7	3/4	18	60	7/8	62190	10	5/8-11	62290	10	8,600
Conical (PFC - Type 29)										
4-1/2	5/8	17	24	7/8	62221	10	5/8-11	62321	10	13,300
4-1/2	3/4	18	36	7/8	62191	10	5/8-11	62194	10	13,300
4-1/2	5/8	17	40	7/8	62222	10	5/8-11	62322	10	13,300
4-1/2	5/8	17	60	7/8	62223	10	5/8-11	62323	10	13,300
5	3/4	18	36	7/8	62192	10	5/8-11	62195	10	12,200
5	5/8	17	40	7/8	62225	10	5/8-11	62325	10	12,200
5	5/8	17	60	7/8	62226	10	5/8-11	62326	10	12,200
7	3/4	18	36	7/8	62193	10	5/8-11	62196	10	8,600
7	13/16	20	40	7/8	62228	10	5/8-11	62328	10	8,600
7	5/8	17	60	7/8	62229	10	5/8-11	62329	10	8,600

POLIFAN® Flap Discs

Conical (Type 29) – Performance Line SG



COMPACT flap discs are produced with more material in the same amount of space as typical flap discs. This results in faster grinding performance and increased service life without sacrificing flap grinding performance on edges.

Abrasive: Zirconia Alumina Z
Grit sizes: 40, 60

Workpiece Materials
Steel

Application
Weld grinding, chamfering, deburring

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

PFERD Specification Number
SG Z-COMPACT



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Conical (PFC - Type 29)										
4-1/2	3/4	18	40	7/8	62781	10	5/8-11	62791	10	13,300
4-1/2	3/4	18	60	7/8	62782	10	5/8-11	62792	10	13,300
5	3/4	18	40	7/8	62783	10	5/8-11	62793	10	12,200
5	3/4	18	60	7/8	62784	10	5/8-11	62794	10	12,200



Performance Ceramic POLIFAN® SG-CO is designed for demanding grinding applications on materials which are hard to work. These discs offer highly-aggressive stock removal and high productivity.

Ceramic Grain – Advantages for the User

- Consistent high performance and optimum grinding tool use, as the ceramic grit re-sharpens itself continuously 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 productivity
- Particularly cool grinding of low heat conducting materials ensures optimum grinding results without heat damage to the material.

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

Application Examples

- Grinding work on stainless steel (INOX) components used in sewage and water management facilities.
- Fine grinding work in engine and turbine construction and 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.

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 achieved with high-performance angle grinders.

PFERD Specification Number

SG CO

Stainless Steel (INOX)/Steel Type SG CO

NEW



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4-1/2	3/4	18	40	7/8	60820	10	5/8-11	60854	10	13,300
4-1/2	3/4	17	60	7/8	60821	10	5/8-11	60855	10	13,300
5	3/4	18	40	7/8	60824	10	5/8-11	60858	10	12,200
5	3/4	17	60	7/8	60825	10	5/8-11	60859	10	12,200
Conical (PFC - Type 29)										
4-1/2	5/8	18	40	7/8	60836	10	5/8-11	60870	10	13,300
4-1/2	5/8	17	60	7/8	60837	10	5/8-11	60871	10	13,300
5	5/8	18	40	7/8	60840	10	5/8-11	60874	10	12,200
5	5/8	17	60	7/8	60841	10	5/8-11	60875	10	12,200

This unique flap disc offers very cool grinding on materials with poor thermal conductivity. Excels at grinding applications which require high-grade surface finish and low thermal stress. It also resists loading, making it equally useful on aluminum and non-ferrous metals.

Abrasive: Aluminum Oxide Plus Coolant

Grit sizes: 40, 60, 80, 120

INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Workpiece Materials

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

Application

Weld dressing, surface grinding with low heat input

Recommendation for Use

Ensures low build-up of heat in the workpiece when used with minimum contact pressure. Performs exceptionally well on sheet metal and thin sectional material.

PFERD Specification Number

SG A-COOL

Stainless Steel (INOX)/Aluminum/ Non-Ferrous Metals Type SG A-COOL



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4	5/8	15	40	5/8	62354	10	3/8-24	62446	10	15,300
4	9/16	14	60	5/8	62355	10	3/8-24	62447	10	15,300
4	9/16	14	80	5/8	62356	10	3/8-24	62448	10	15,300

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POLIFAN® Flap Discs

Flat (Type 27) and Conical (Type 29) – Performance Line SG



Continued from last page.

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
4	9/16	14	120	5/8	62357	10	3/8-24	62449	10	15,300
4-1/2	3/4	18	40	7/8	62361	10	5/8-11	62373	10	13,300
4-1/2	5/8	17	60	7/8	62362	10	5/8-11	62374	10	13,300
4-1/2	5/8	17	80	7/8	62363	10	5/8-11	62375	10	13,300
4-1/2	9/16	14	120	7/8	62364	10	5/8-11	62376	10	13,300
5	3/4	18	40	7/8	62365	10	5/8-11	62377	10	12,200
5	5/8	17	60	7/8	62366	10	5/8-11	62378	10	12,200
5	5/8	17	80	7/8	62367	10	5/8-11	62379	10	12,200
7	3/4	18	40	7/8	62369	10	5/8-11	62381	10	8,600
7	5/8	17	60	7/8	62370	10	5/8-11	62382	10	8,600
7	5/8	17	80	7/8	62371	10	5/8-11	62383	10	8,600
7	5/8	16	120	7/8	62372	10	5/8-11	62384	10	8,600

Conical (PFC - Type 29)

4-1/2	5/8	15	40	7/8	62231	10	5/8-11	62241	10	13,300
4-1/2	9/16	14	60	7/8	62232	10	5/8-11	62242	10	13,300
4-1/2	9/16	14	80	7/8	62233	10	5/8-11	62243	10	13,300
4-1/2	9/16	14	120	7/8	62234	10	5/8-11	62244	10	13,300
5	5/8	17	40	7/8	62235	10	5/8-11	62244	10	12,200
5	5/8	16	60	7/8	62236	10	5/8-11	62245	10	12,200
5	5/8	16	80	7/8	62237	10	5/8-11	62246	10	12,200
7	5/8	17	40	7/8	62238	10	5/8-11	62247	10	8,600
7	5/8	16	60	7/8	62239	10	5/8-11	62248	10	8,600
7	5/8	16	80	7/8	62240	10	5/8-11	62249	10	8,600

Stainless Steel (INOX) Type SG ZA

NEW



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

**Abrasive: Zirconia Alumina/
Aluminum 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 particularly

during surface grinding on stainless steel (INOX) and does not glaze. Recommended for angle grinders of all power output levels.

PFERD Specification Number
SG ZA



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
4	5/8	16	40	7/8	60890	10	3/8-24	60920	10	15,300
4	5/8	16	60	7/8	60891	10	3/8-24	60921	10	15,300
4	5/8	16	80	7/8	60892	10	3/8-24	60922	10	15,300
4-1/2	3/4	18	40	7/8	60895	10	5/8-11	60925	10	13,300

Flat (PFF - Type 27)

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Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
4-1/2	5/8	17	60	7/8	60897	10	5/8-11	60927	10	13,300
4-1/2	5/8	16	80	7/8	60898	10	5/8-11	60928	10	13,300
5	3/4	18	40	7/8	60902	10	5/8-11	60932	10	12,200
5	5/8	17	60	7/8	60904	10	5/8-11	60934	10	12,200
5	5/8	17	80	7/8	60905	10	5/8-11	60935	10	12,200
7	3/4	19	24	7/8	60914	10	5/8-11	60944	10	8,600
7	3/4	18	40	7/8	60916	10	5/8-11	60946	10	8,600
7	5/8	17	60	7/8	60918	10	5/8-11	60948	10	8,600
7	5/8	16	80	7/8	60919	10	5/8-11	60949	10	8,600

Conical (PFC - Type 29)

4-1/2	5/8	17	40	7/8	60952	10	5/8-11	60976	10	13,300
4-1/2	5/8	17	60	7/8	60954	10	5/8-11	60978	10	13,300
4-1/2	5/8	16	80	7/8	60955	10	5/8-11	60979	10	13,300
5	5/8	17	40	7/8	60959	10	5/8-11	60983	10	12,200
5	5/8	17	60	7/8	60960	10	5/8-11	60984	10	12,200
5	5/8	16	80	7/8	60961	10	5/8-11	60985	10	12,200
7	3/4	19	24	7/8	60969	10	5/8-11	60993	10	8,600
7	5/8	17	40	7/8	60971	10	5/8-11	60995	10	8,600
7	5/8	17	60	7/8	60972	10	5/8-11	60996	10	8,600
7	5/8	16	80	7/8	60973	10	5/8-11	60997	10	8,600



This uncommon flap disc offers a unique solution for applications where surface finish demands are higher than can be achieved by conventional silicon carbide grinding and cup wheels. Designed for grinding on hard to machine metals, plastics and masonry products.

Abrasive: Silicon Carbide
Grit sizes: 24, 40, 80

Workpiece Materials
Titanium, aluminum, fiberglass, plastics, masonry

Application
Surface grinding, edge grinding, removal of form marks from concrete

PFERD Specification Number
SG SiC

Titanium/Aluminum/Fiberglass/
Plastics/Masonry
Type SG SiC



T 27

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
4-1/2	3/4	18	24	7/8	62124	10	5/8-11	62130	10	13,300
4-1/2	3/4	18	40	7/8	62125	10	5/8-11	62131	10	13,300
4-1/2	5/8	17	80	7/8	62126	10	5/8-11	62132	10	13,300
7	3/4	18	24	7/8	62127	10	5/8-11	62133	10	8,600
7	5/8	17	80	7/8	62129	10	5/8-11	62135	10	8,600

Flat (PFF - Type 27)

POLIFAN®-STRONG Flap Discs

NEW Conical (Type 29) – Special Line SGP



Steel
Type SGP ZIRKON-STRONG

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

Superb features offer exceptional performance benefits:

- Fastest possible stock removal rates.
- Extraordinary stability previously only found in reinforced grinding wheels.
- Extended flap length allows for continued aggressive grinding up to the last grain.
- Extremely long tool life.
- Highly cost-effective due to reductions in tool changes and grinding times.

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 power tools.

PFERD Specification Number
SGP Z-STRONG

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Conical (PFC - Type 29)										
4-1/2	9/16	18	36	7/8	62945	10	5/8-11	62950	10	13,300
4-1/2	1/2	18	50	7/8	62947	10	5/8-11	62952	10	13,300
5	9/16	18	36	7/8	62955	10	5/8-11	62960	10	12,200
5	1/2	18	50	7/8	62957	10	5/8-11	62962	10	12,200
7	3/4	18	36	7/8	62975	10	5/8-11	62980	10	8,600
7	3/4	18	50	7/8	62977	10	5/8-11	62982	10	8,600



POLIFAN®-CURVE is a PFERD innovation designed to quickly achieve a smooth, consistent surface finish on fillet welds.

In addition to the SGP ZIRKON-CURVE, PFERD now offers the high-power SGP CO-CURVE POLIFAN® flap discs with a ceramic abrasive grain.

The unique radial construction shape (PFR) offers a superior solution for this common task.

- Tough and aggressive – removes scale and bead from all metals: steel, stainless steel (INOX), aluminum and alloys.
- Works faster than grinding wheels without the risk of undercutting the workpiece.
- Precise grinding out of fillet welds provides a superior surface finish.
- Smooth finish allows easy visual inspection for defects, such as porosity and inclusions.
- Ideal for repair applications to remove defects without damage to adjacent areas. Leaves ample room for new weld bead.

- Excellent tool life, including the radius edge of the disc.
- Multi-purpose – may be used as a conventional flap disc, and also for underhand applications using the top of the disc.

Recommendation for Use

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

Medium for fillet weld widths > 3/16" (5 mm)
Large for fillet weld widths > 5/16" (8 mm)



The POLIFAN® SGP ZIRKON-CURVE is a high-power tool for demanding grinding work with particularly high machining capacity.

Abrasive: Zirconia Alumina Z

Grit size: 40

Workpiece Materials

Steel, stainless steel (INOX)

Application

Fillet weld grinding, chamfering, deburring

PFERD Specification Number

SGP Z-CURVE

Steel/Stainless Steel (INOX) Type SGP ZIRKON-CURVE



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Fillet Weld Width [Inches]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
					Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Radial (Type PFR)											
4-1/2	9/16	14	Medium > 3/16	40	7/8	67192	10	5/8-11	67212	10	13,300
4-1/2	5/8	16	Large > 5/16	40	7/8	67339	10	5/8-11	67359	10	13,300
5	9/16	14	Medium > 3/16	40	7/8	67196	10	5/8-11	67216	10	12,200
5	5/8	16	Large > 5/16	40	7/8	67343	10	5/8-11	67363	10	12,200



The POLIFAN® SGP CO-CURVE is designed for demanding grinding, especially for achieving fine surface finishes. The ceramic grit guarantees cool grinding on poor heat-conducting materials, without thermal damage to workpiece.

Abrasive: Ceramic Oxide CO

Grit size: 60

Workpiece Materials

Stainless steel (INOX), steel, aluminum

Application

Fillet weld grinding, chamfering, deburring

PFERD Specification Number

SGP CO-CURVE

Stainless Steel (INOX)/Steel Type SGP CO-CURVE



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Fillet Weld Width [Inches]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
					Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Radial (Type PFR)											
4-1/2	9/16	14	Medium > 3/16	60	7/8	67234	10	5/8-11	67258	10	13,300
4-1/2	5/8	16	Large > 5/16	60	7/8	67381	10	5/8-11	67405	10	13,300
5	9/16	14	Medium > 3/16	60	7/8	67197	10	5/8-11	67217	10	12,200
5	5/8	16	Large > 5/16	60	7/8	67344	10	5/8-11	67364	10	12,200

POLIFAN® Flap Discs

Flat (Type 27) – Special Line SGP

Steel/Stainless Steel (INOX) Type SGP ZIRKON-EXTRA



High density POLIFAN® flap disc with zirconia abrasive material features additional flaps for maximum efficiency in demanding grinding applications.

Abrasive: Zirconia Alumina

Grit sizes: 40, 60, 80, 120

Workpiece Materials

Steel, stainless steel (INOX)

Application

Surface grinding, weld finishing

Recommendation for Use

The use of zirconia alumina, a high-performance abrasive grain, in conjunction with the dense flap structure requires a high-output angle grinder to achieve best grinding results.



PFERD Specification Number

SGP Z-EXTRA

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4-1/2	13/16	21	40	7/8	62090	10	5/8-11	62110	10	12,200
4-1/2	3/4	19	60	7/8	62091	10	5/8-11	62111	10	12,200
4-1/2	3/4	18	80	7/8	62092	10	5/8-11	62112	10	12,200
4-1/2	3/4	18	120	7/8	62093	10	5/8-11	62113	10	12,200
7	7/8	22	40	7/8	62100	10	5/8-11	62120	10	8,600
7	13/16	21	60	7/8	62101	10	5/8-11	62121	10	8,600
7	3/4	19	80	7/8	62102	10	5/8-11	62122	10	8,600

Steel/Stainless Steel (INOX) Type SGP ZIRKON-COOL



This unique flap disc offers the coolest grinding performance of all flap discs. Specialized for extremely demanding grinding applications in combination with low thermal stress. It provides aggressive stock removal and high productivity.

Abrasive: Zirconia Alumina Grain with patented COOLFLAP elements

Grit sizes: 40, 60, 80

INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Application

Weld dressing, surface grinding

Recommendation for Use

The combination of abrasive and COOLFLAP elements provides optimum grinding results without causing heat discoloration. Suitable for use on stainless steel (INOX) workpieces at medium working pressures with a high-powered angle grinder.

PFERD Specification Number

SGP Z-COOL

Workpiece Materials

Steel, stainless steel (INOX)

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4-1/2	3/4	18	40	7/8	62801	10	5/8-11	62816	10	13,300
4-1/2	3/4	18	60	7/8	62802	10	5/8-11	62817	10	13,300
4-1/2	3/4	18	80	7/8	62803	10	5/8-11	62818	10	13,300
5	3/4	18	40	7/8	62806	10	5/8-11	62821	10	12,200
5	3/4	18	60	7/8	62807	10	5/8-11	62822	10	12,200
5	3/4	18	80	7/8	62808	10	5/8-11	62823	10	12,200

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Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Conical (PFC - Type 29)										
4-1/2	5/8	16	40	7/8	62831	10	5/8-11	62846	10	13,300
4-1/2	5/8	16	60	7/8	62832	10	5/8-11	62847	10	13,300
4-1/2	5/8	16	80	7/8	62833	10	5/8-11	62848	10	13,300
5	5/8	16	40	7/8	62836	10	5/8-11	62851	10	12,200
5	5/8	16	60	7/8	62837	10	5/8-11	62852	10	12,200
5	5/8	16	80	7/8	62838	10	5/8-11	62853	10	12,200



This high performance top-sized ceramic flap disc is ideal for ultra-demanding grinding jobs on materials exhibiting very poor thermal conductivity. This product is noted for its particularly cool grinding properties, aggressive stock removal even at low contact pressure, and high productivity.

Abrasive: Ceramic Oxide CO-COOL
Grit size: 40, 60

Workpiece Materials
Chromium steels, CrNi steels, high-alloy steels, cast iron, nickel-based alloys, titanium alloys, non-ferrous metals, high-carbon steel

Application
Weld dressing, surface grinding

Recommendation for Use
The self-sharpening action of the ceramic oxide 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.

PFERD Specification Number
SGP CO-COOL

Steel/Stainless Steel (INOX)/Cast Iron/Aluminum/Non-Ferrous Metals
Type SGP CO-COOL



T 27 T 29

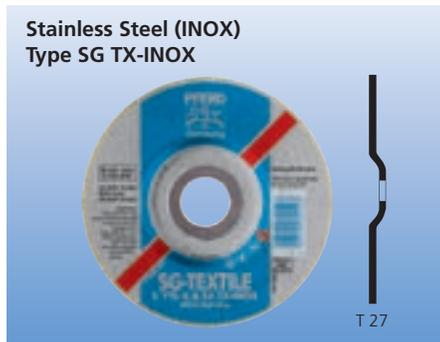
Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4-1/2	3/4	18	40	7/8	62597	10	5/8-11	62621	10	13,300
4-1/2	3/4	18	60	7/8	62599	10	5/8-11	62623	10	13,300
5	3/4	18	40	7/8	62603	10	5/8-11	62627	10	12,200
5	3/4	18	60	7/8	62605	10	5/8-11	62629	10	12,200
7	13/16	20	40	7/8	62615	10	5/8-11	62639	10	8,600
Conical (PFC - Type 29)										
4-1/2	3/4	18	40	7/8	62651	10	5/8-11	62675	10	13,300
4-1/2	3/4	18	60	7/8	62653	10	5/8-11	62677	10	13,300
5	3/4	18	40	7/8	62657	10	5/8-11	62681	10	12,200
5	3/4	18	60	7/8	62659	10	5/8-11	62683	10	12,200
7	13/16	20	40	7/8	62669	10	5/8-11	62693	10	8,600

Textile Wheels

Depressed Centre (Type 27) – Performance Line SG-ELASTIC

Textile products are cotton-fibre based abrasive tools developed for medium to light grinding, weld blending, deburring and surface finishing of stainless and aluminum.
Textile wheels grind and finish in one operation.

Type 27 depressed centre textile discs are produced in 2 styles: TX-ALU for aluminum, and TX-INOX for stainless.



TX-INOX for stainless steel is produced with a latex bond for blending and finishing with less heat generation.

Abrasive: Aluminum Oxide

Grit size: 36, 54
INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Workpiece Materials

Stainless steel (INOX)

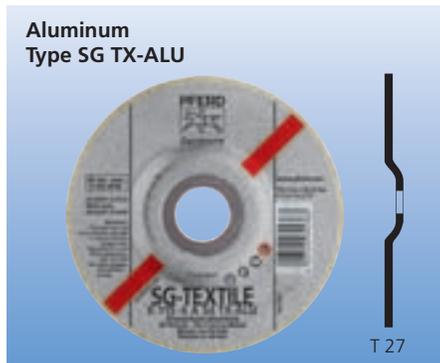
Application

For surface grinding, weld removal, deburring and edge grinding

PFERD Specification Number

A 36/54 SG TX-INOX

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)										
4-1/2	1/4	6.3	36	7/8	61433	10	5/8-11	61442	10	13,300
4-1/2	1/4	6.3	54	7/8	61434	10	5/8-11	61443	10	13,300
7	1/4	6.3	36	7/8	61469	10	5/8-11	61478	10	8,600
7	1/4	6.3	54	7/8	61470	10	5/8-11	61479	10	8,600



TX-ALU for aluminum is produced with a tough resin bond, and is extremely resistant to loading.

PFERD Specification Number

A 24/54 SG TX-ALU

Abrasive: Aluminum Oxide

Grit size: 24, 54

Workpiece Materials

Aluminum and soft, greasy materials susceptible to loading problems

Application

Medium to light grinding, weld blending, deburring and surface finishing

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)										
4-1/2	1/4	6.3	24	7/8	61332	10	5/8-11	61338	10	13,300
4-1/2	1/4	6.3	54	7/8	61333	10	5/8-11	61339	10	13,300
7	1/4	6.3	24	7/8	61356	10	5/8-11	61362	10	8,600
7	1/4	6.3	54	7/8	61357	10	5/8-11	61363	10	8,600

TX-FLEX-INOX discs offer the flexibility of a coated fibre disc, and the long service life of a bonded type 27 wheel. Waffle pattern on wheel face provides cool blending and finishing performance.

Abrasive: Aluminum Oxide

Grit size: 24, 36, 60, 80

INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)

Workpiece Materials

Stainless steel (INOX)

Application

Blending and finishing

Recommendation for Use

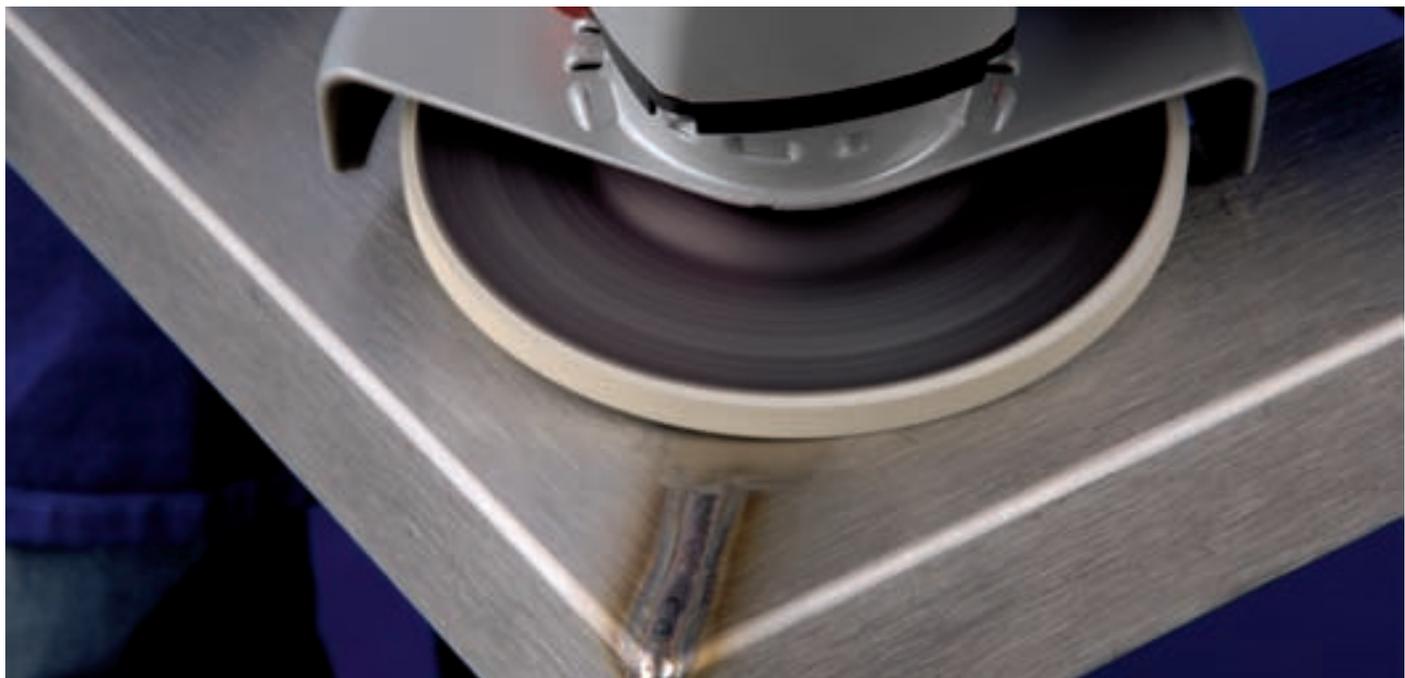
Note: 7" disc must be run with backing pad shown on page 52.

PFERD Specification Number

A 24/36/60/80 SG TXF-INOX



Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		
Flat (Type 1)							
4-1/2	1/8	3	24	7/8	61972	10	13,300
4-1/2	1/8	3	36	7/8	61973	10	13,300
4-1/2	1/8	3	60	7/8	61974	10	13,300
4-1/2	1/8	3	80	7/8	61975	10	13,300
7	1/8	3	24	7/8	61976	10	8,600
7	1/8	3	36	7/8	61977	10	8,600
7	1/8	3	60	7/8	61978	10	8,600
7	1/8	3	80	7/8	61979	10	8,600



Textile Wheels

Flexible, Flat (Type 1) – Performance Line SG-ELASTIC

Aluminum Type SG TXF-ALU



T 1

TX-FLEX-ALU discs offer the flexibility of a coated fibre disc, and the long service life of a bonded type 27 wheel. Waffle pattern on wheel face provides cool blending and finishing performance.

Abrasive: Aluminum Oxide
Grit size: 24, 36, 60

Workpiece Materials
Aluminum

Application
Blending and finishing

Recommendation for Use

Note: 7" disc must be run with backing pad shown below.

PFERD Specification Number
A 24/36/60/80 SG TXF-ALU

Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Max. RPM
				Bore (H) [Inches]	EDP Number		
Flat (Type 1)							
4-1/2	1/8	3	24	7/8	61988	10	13,300
4-1/2	1/8	3	36	7/8	61989	10	13,300
4-1/2	1/8	3	60	7/8	61990	10	13,300
7	1/8	3	24	7/8	61991	10	8,600
7	1/8	3	36	7/8	61992	10	8,600
7	1/8	3	60	7/8	61993	10	8,600

Backing Pad for TX-FLEX



Backing pad recommended for use with 7" textile wheels TX-FLEX.

PFERD Specification Number
PE-GT

Diameter (D) [Inches]	Bore [Inches]	EDP Number		Max. RPM
4-1/2	5/8-11	69455	1	11,000



Cut-Off Wheels

General Information



Product Lines

PFERD cut-off wheels are global leaders in quality, consistency and performance. Choose from three product lines with different performance characteristics to match the specific material, power tool type, and cutting task.



Universal Line PS-FORTE

General use in industry and professional trades.

The wide range of wheel shapes, thicknesses and cutting characteristics meet all demands for efficient cutting operations. The operator can select the most suitable wheel for his application and optimize cutting comfort, safety and productivity.



Performance Line SG-ELASTIC

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



Special Line SG-PLUS

For maximum possible performance, and for niche industrial applications.

Your Quick Product Selection Guide

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 Workpiece Material		Stainless Steel (INOX)		Aluminum, Non-ferrous Metals		Scale, Cast Iron		Cast Iron, Masonry	
	Type	Page	Type	Page	Type	Page	Type	Page	Type	Page
Cutting of Sheet Metal and Thin-Walled Profiles < 1/3"	PS-FORTE Hardness P	56-57, 66	PS-FORTE Hardness P (INOX)	56, 58	SG-ELASTIC Hardness N	61	-	-	SG-ELASTIC Hardness R (C)	62
	SG-ELASTIC Hardness S	59, 69	SG-ELASTIC Hardness R (INOX)	60						
	SG-PLUS Hardness T	63	SG-PLUS Hardness S (INOX)	64						
Cutting Solid Material and Profiles	PS-FORTE Hardness P	56-57	PS-FORTE Hardness P (INOX)	56, 58	SG-ELASTIC Hardness N Hardness R (C)	61 62	SG-ELASTIC Hardness Q	72	SG-ELASTIC Hardness R (C) Hardness Q	62, 69 72
	SG-ELASTIC Hardness S	69, 71	SG-ELASTIC Hardness R (INOX)	60						
	SG-PLUS Hardness T	63	SG-PLUS Hardness S (INOX)	64						
			Hardness Q (INOX casting)	65						
			Hardness S (INOX)	67						

Note: Large diameter cut-off wheels/stationary cut-off wheels please refer to page 70.

SAFETY WARNING:

Never use any PFERD or any brand cut-off or grinding wheel on a pistol-grip sander, or on any power tool not specifically designed for use with cut-off and/or grinding wheels. Misuse of grinding and cut-off wheels may result in property damage, serious injury, or death.

It is the responsibility of the operator to use power tools in accordance with the safety instructions supplied with the tool, as well as with ANSI B7.1 (see pages 3, 4, and 52 for safety information).

If any operating procedures or instructions are unclear, the operator should consult a supervisor or the tool manufacturer prior to use.

Please use caution with all power tools.

PFERD Specification Number
 EHT 178-1,6 A 46 R SG INOX
 1 2 3 4 5 6 7 8

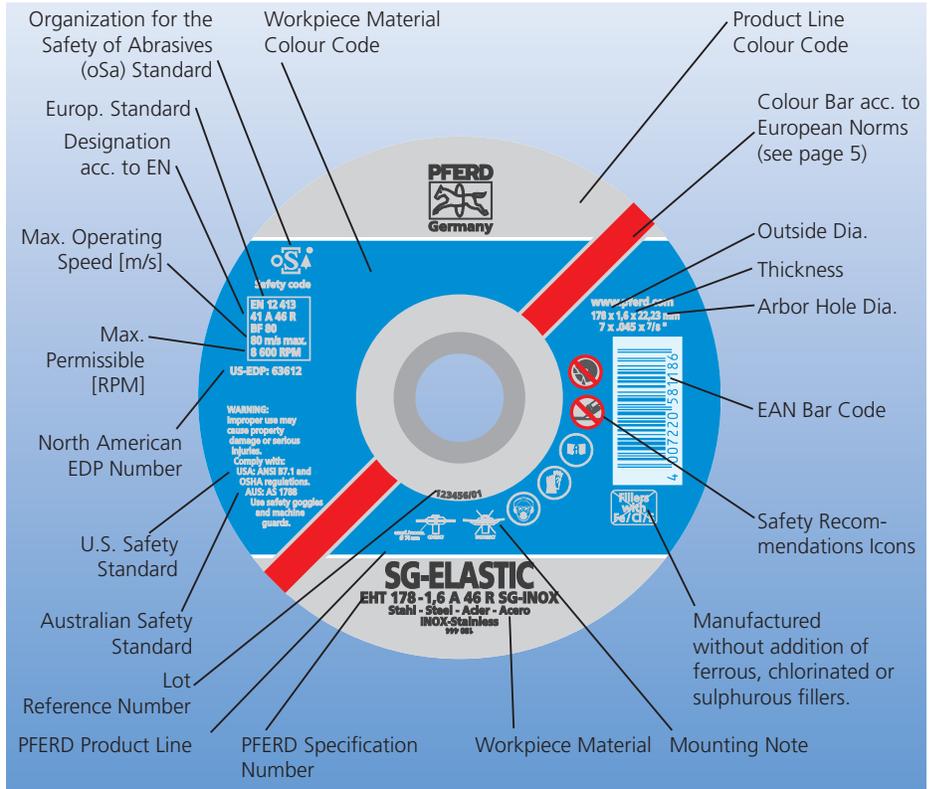
- Designation and Shape of the Wheel**
 EHT = Flat Type (Type 1)
 EH = Depressed Centre Type (Type 27)
- Outside Diameter**
 Outside Dia. D in [mm]
- Wheel Thickness**
 Thickness T/U in [mm]
- Abrasive**
 A = Aluminum Oxide
 AC = Aluminum Oxide/Silicon Carbide
 C = Silicon Carbide
 ZA = Zirconia Alumina/Aluminum Oxide
- Grit Size**
 Grit size acc. ISO 8486
- Hardness Grade (Wheel Properties)**

Hardness Grade	Wheel Characteristics	Workpiece Materials
Universal Line PS-FORTE		
K	very soft	Steel
P	medium-hard	Steel/Stainless Steel (INOX)/Stone
Performance Line SG-ELASTIC		
K	very soft	Steel/Stainless Steel (INOX)
L	soft	Steel
N	soft	Aluminum/Non-Ferr. Metals
O	soft	Steel/Castings/Non-Ferr. Metals/Masonry
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
Special Line SG-PLUS		
Q	medium-hard	Stainless Steel (INOX) Casting
S	hard	Stainless Steel (INOX)
T	very hard	Steel

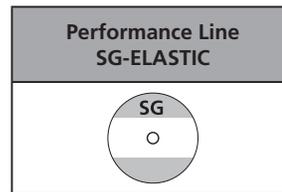
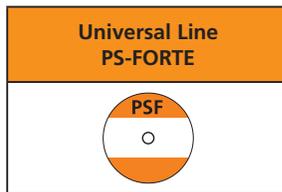
- PFERD Product Line**
 Universal Line PS-FORTE
 Performance Line SG-ELASTIC
 Special Line SG-PLUS
- Workpiece Material**
 See section 6 table, column 3

Designation acc. to EN 12413
 41 A 46 R BF 80
 1 2 3 4 5 6

- Designation and Shape of the Wheel**
 41 = Flat Type
 42 = Depressed Centre Type
- Abrasive**
 A = Aluminum Oxide
 C = Silicon Carbide
 Z = Zirconia Alumina
 ZA = Zirconia Alumina/Aluminum Oxide
- Grit Size**
 Grit size acc. to ISO 8486
- Hardness Grade (Wheel Properties)**
 The hardness is graded from soft to hard by means of letters in alphabetically ascending order (A to Z).
- Bond**
 BF = Fibre-reinforced resinoid bond, woven or non-woven
- Max. Operating Speed** in [m/s]



Colour Coding of the Three Product Lines



Colour Coding for the Recommended Workpiece Materials

Universal Line PS-FORTE	
Material = Colour	Page
Steel black	57, 66
Stainless Steel (INOX) blue	56, 58

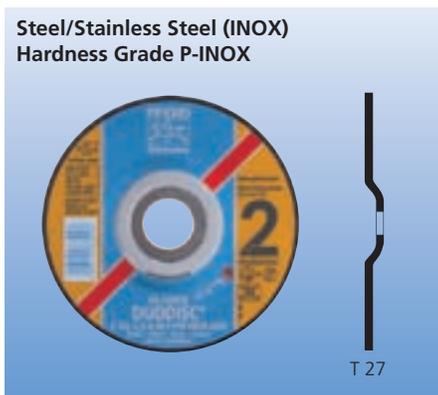
Performance Line SG-ELASTIC	
Material = Colour	Page
Steel black	59, 69, 71, 73-78
Stainless Steel (INOX) blue	60, 76
Non-ferrous Metals, Alu silver	61
Masonry green	62, 69, 72-73, 77
Masonry Castings red/green	72

Special Line SG-PLUS	
Material = Colour	Page
Steel black	63
Stainless Steel (INOX) blue	64, 67
Stainless Steel (INOX), Castings blue/red	65

DUODISC® Combination Cutting & Grinding Wheels



NEW Depressed Centre (Type 27) – Universal Line PS-FORTE



Combination cutting and grinding wheel DUODISC® for cutting and light deburring work. Universal use on steel and stainless steel (INOX). Recommended for use on angle grinders of all power outputs.

Abrasive: Aluminum Oxide
INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials
Steel, stainless steel (INOX)

Application
Cut-off work, light deburring, light surface grinding

Recommendation for Use
1/8" thickness for maximum tool life and high lateral stability.
.065" thickness for faster cutting with less material waste. Use on thinner workpieces such as sheet metal, sections and tube stock.

Combination abrasive wheel conforms to DIN EN 12413:2007-09.

PFERD Specification Number
A 46 P PSF INOX-DUO

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x .065	1.9	5/8	63319	10	3/8-24	63325	10	15,200
4-1/2 x .065	1.9	7/8	63320	10	5/8-11	63326	10	13,300
4-1/2 x 1/8	2.8	7/8	63333	10	5/8-11	63339	10	13,300
5 x .065	1.9	7/8	63321	10	5/8-11	63327	10	12,200
5 x 1/8	2.8	7/8	63334	10	5/8-11	36640	10	12,200



General purpose wheels provide fast cutting performance and good service life. Recommended for universal cutting of steel.

Abrasive: Aluminum Oxide A

Workpiece Materials

Steel

Application

Cutting of steel metal, sections and solid materials

Recommendation for Use

.040", .045" thickness for fast, convenient cutting with minimized burr formation.

Recommended for angle grinders of all power output levels.

The use of large clamping flanges (SFS 76, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7".

PFERD Specification Number

A 46/60 P PSF



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Flat (Type 1)					
4 x .040	1.0	5/8	69940	25	15,200
4 x .045	1.6	5/8	69944	25	15,200
4-1/2 x .040	1.0	7/8	69945	25	13,300
4-1/2 x .045	1.6	7/8	69949	25	13,300
5 x .040	1.0	7/8	69950	25	12,200
5 x .045	1.6	7/8	69954	25	12,200
6 x .040	1.0	7/8	69960	25	10,200
6 x .045	1.6	7/8	69964	25	10,200
7 x .040	1.0	7/8	69970	25	8,600
7 x .045	1.6	7/8	69974	25	8,600



Cut-Off Wheels

NEW Flat (Type 1) – Universal Line PS-FORTE



**Stainless Steel (INOX)
Medium-hard Type - Hardness Grade P
(INOX)**



Providing fast cutting performance and good service life with low heat generation, these wheels are recommended for general purpose cutting of stainless steel.

Abrasive: Aluminum Oxide A

INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials:

Stainless steel (INOX)

Application:

Cutting of sheet metal, sectional and solid materials

Recommendation for Use

.040", .045" thickness for fast, convenient cutting with minimized burr formation.
3/32" thickness for universal cut-off applications.

Recommended for angle grinders of all power output levels.

The use of large clamping flanges (SFS 76, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7" and 9".

PFERD Specification Number

A 24/46/60 P PSF INOX

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Flat (Type 1)					
4-1/2 x .040	1.0	7/8	63540	25	13,300
4-1/2 x .040	1.2	7/8	63545	25	13,300
4-1/2 x .045	1.6	7/8	63550	25	13,300
4-1/2 x .045	1.8	7/8	63557	25	13,300
4-1/2 x 3/32	2.4	7/8	63563	25	13,300
5 x .040	1.0	7/8	63541	25	12,200
5 x .040	1.2	7/8	63546	25	12,200
5 x .045	1.6	7/8	63551	25	12,200
5 x .045	1.8	7/8	63558	25	12,200
5 x 3/32	2.4	7/8	63564	25	12,200
6 x .045	1.6	7/8	63552	25	10,200
6 x .045	1.8	7/8	63559	25	10,200
7 x .045	1.6	7/8	63553	25	8,600
7 x 3/32	2.5	7/8	63566	25	8,600
9 x .045	1.9	7/8	63554	25	6,600
9 x 3/32	2.5	7/8	63567	25	6,600





This range of premium cut-off wheels provides fast cutting performance and long service life. Recommended for professionals cutting steel and cast iron.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel, cast iron

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

.040", .045" thickness for fast, convenient cutting with minimized burr formation.

3/32" thickness for universal cut-off applications.

1/8" thickness for maximum tool life with high lateral stability.

Recommended for angle grinders of all power output levels.

The use of large clamping flanges (SFS 76, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7" and 9".

PFERD Specification Number

A 24/30/46 S SG



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x 3/32	2.4	5/8	63102	25	-			15,300
4 x 1/8	3.2	3/8	63101	25	-			15,200
4-1/2 x .045	1.6	7/8	63162	25	-			13,300
4-1/2 x 3/32	2.4	7/8	63103	25	5/8-11	63114	10	13,300
4-1/2 x 1/8	3.2	7/8	63104	25	5/8-11	63115	10	13,300
5 x .045	1.6	7/8	63163	25	-			12,200
5 x 3/32	2.4	7/8	63105	25	5/8-11	63116	10	12,200
5 x 1/8	3.2	7/8	63106	25	5/8-11	63117	10	12,200
6 x .045	1.6	7/8	63164	25	-			10,200
6 x 1/8	3.0	7/8	63107	25	5/8-11	63119	10	10,200
7 x .045	1.9	7/8	63165	25	-			8,600
7 x 1/8	3.2	7/8	63109	25	5/8-11	63112	10	8,600
9 x 1/8	3.2	7/8	63111	25	5/8-11	63113	10	6,600
Flat (Type 1)								
4 x 3/32	2.4	3/8	63501	25	-			15,200
4 x 3/32	2.4	5/8	63502	25	-			15,200
4-1/2 x 3/32	2.4	7/8	63503	25	-			13,300
5 x 3/32	2.4	7/8	63505	25	-			12,200
6 x 1/8	3.0	7/8	63507	25	-			10,200
7 x 1/8	2.9	7/8	63508	25	-			8,600
7 x 1/8	3.2	7/8	63509	25	-			8,600
9 x 1/8	2.9	7/8	63510	25	-			6,600
9 x 1/8	3.2	7/8	63511	25	-			6,600



Cut-Off Wheels

Depressed Centre (Type 27) and Flat (Type 1) – Performance Line SG-ELASTIC



**Stainless Steel (INOX)
Hard Type - Hardness Grade R-INOX**

Premium, long-life cut-off wheel for stainless steel (INOX) and high temperature alloys. Smooth, fast cutting action is achieved with minimal contact pressure.

Abrasive: Aluminum Oxide

INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Stainless steel (INOX), high temperature alloys. Also suitable for carbon steel and all ferrous metals.

Application

For cutting sheet metal, sections, and solid material

Recommendation for Use

.040", .045" thickness for fast, convenient cutting with minimized burr formation. 3/32" thickness for universal cut-off applications. 1/8" thickness for maximum tool life with high lateral stability.

Recommended for angle grinders of all power output levels.

The use of large clamping flanges (SFS 76, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7" and 9".

PFERD Specification Number

A 24/46 R SG INOX

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x .045	1.6	7/8	63167	25	-	-	-	13,300
4-1/2 x 3/32	2.4	7/8	63202	25	5/8-11	63212	10	13,300
4-1/2 x 1/8	3.2	7/8	63204	25	5/8-11	63213	10	13,300
5 x .045	1.6	7/8	63168	25	-	-	-	12,200
5 x 3/32	2.4	7/8	63205	25	5/8-11	63214	10	12,200
5 x 1/8	3.2	7/8	63206	25	5/8-11	63215	10	12,200
6 x .045	1.6	7/8	63169	25	-	-	-	10,200
6 x 3/32	2.5	7/8	63208	25	5/8-11	63216	10	10,200
7 x .045	1.6	7/8	63170	25	-	-	-	8,600
7 x 3/32	2.5	7/8	63207	25	5/8-11	63210	10	8,600
9 x 3/32	2.5	7/8	63209	25	5/8-11	63211	10	6,600
Flat (Type 1)								
4 x .040	1.0	5/8	69943	25	-	-	-	15,200
4 x .045	1.6	5/8	63613	25	-	-	-	15,200
4-1/2 x .040	1.0	7/8	69948	25	-	-	-	13,300
4-1/2 x .040	1.2	7/8	63576	25	-	-	-	13,300
4-1/2 x .045	1.6	7/8	63607	25	-	-	-	13,300
4-1/2 x .045	1.8	7/8	63582	25	-	-	-	13,300
5 x .040	1.0	7/8	69953	25	-	-	-	12,200
5 x .040	1.2	7/8	63577	25	-	-	-	12,200
5 x .045	1.6	7/8	63608	25	-	-	-	12,200
5 x .045	1.8	7/8	63583	25	-	-	-	12,200
6 x .040	1.0	7/8	69963	25	-	-	-	10,200
6 x .045	1.6	7/8	63614	25	-	-	-	10,200
7 x .045	1.6	7/8	63612	25	-	-	-	8,600
7 x 3/32	2.5	7/8	63609	25	-	-	-	8,600
8 x 3/32	2.5	7/8	63610	25	-	-	-	7,600
9 x 3/32	2.5	7/8	63611	25	-	-	-	6,600



These performance wheels are specifically designed for non-loading cut-off use on aluminum and soft, non-ferrous materials. Characterized by fast cutting performance combined with long service life.

Abrasive: Aluminum Oxide

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 aluminum, non-ferrous metals

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

.040", .045" thickness for fast, convenient cutting with minimized burr formation.

3/32" thickness for universal cut-off applications.

1/8" thickness for maximum tool life with high lateral stability.

The use of large clamping flanges (SFS 76, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7" and 9".

PFERD Specification Number

A 24/30 N SG ALU



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 3/32	2.4	7/8	63131	25	5/8-11	63137	10	13,300
5 x 3/32	2.4	7/8	63133	25	5/8-11	63139	10	12,200
7 x 1/8	2.9	7/8	63135	25	5/8-11	63141	10	8,600
9 x 1/8	2.9	7/8	63136	25	5/8-11	63142	10	6,600
Flat (Type 1)								
4-1/2 x .040	1.0	7/8	63589	25	-	-	-	13,300
4-1/2 x .045	1.6	7/8	63595	25	-	-	-	13,300
4-1/2 x 3/32	2.4	7/8	63602	25	-	-	-	13,300
5 x .040	1.0	7/8	63590	25	-	-	-	12,200
5 x .045	1.6	7/8	63596	25	-	-	-	12,200
5 x 3/32	2.4	7/8	63603	25	-	-	-	12,200
7 x .045	1.6	7/8	63598	25	-	-	-	8,600
7 x 1/8	2.9	7/8	63605	25	-	-	-	8,600
9 x 1/8	2.9	7/8	63606	25	-	-	-	6,600



Cut-Off Wheels

Depressed Centre (Type 27) and Flat (Type 1) – Performance Line SG-ELASTIC

**Stone/Masonry
Hard Type - Hardness Grade R**



T 1 T 27

Performance cut-off wheels for use on masonry materials. Also useful for cutting titanium, hard aluminum, fibre glass, carbon fibre and plastics. Wheels provide long service life and fast cutting action.

Abrasive: Silicon Carbide

Workpiece Materials

Natural stone, synthetic stone, refractory brick, aluminum, non-ferrous metals

Application

Cutting a diverse selection of natural and synthetic materials in a variety of forms and sizes.

Recommendation for Use

.040", .045" thickness for fast, convenient cutting with minimized burr formation.

3/32" thickness for universal cut-off applications.

1/8" thickness for maximum tool life with high lateral stability.

PFERD Specification Number

C 24/30 R SG

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 3/32	2.4	7/8	63302	25	5/8-11	63309	10	13,300
5 x 3/32	2.4	7/8	63303	25	5/8-11	63310	10	12,200
6 x 1/8	3.0	7/8	63304	25	5/8-11	63311	10	10,200
7 x 1/8	3.2	7/8	63305	25	5/8-11	63307	10	8,600
9 x 1/8	3.2	7/8	63306	25	5/8-11	63308	10	6,600
Flat (Type 1)								
4 x 3/32	2.4	5/8	63701	25	-	-	-	15,300
4-1/2 x .040	1.0	7/8	69988	25	-	-	-	13,300
4-1/2 x .045	1.6	7/8	69989	25	-	-	-	13,300
4-1/2 x 3/32	2.4	7/8	63702	25	-	-	-	13,300
5 x 3/32	2.4	7/8	63703	25	-	-	-	12,200
6 x 1/8	3.0	7/8	63704	25	-	-	-	10,200
7 x 1/8	3.2	7/8	63705	25	-	-	-	8,600
9 x 1/8	3.2	7/8	63706	25	-	-	-	6,600





The pinnacle of the PFERD line for cutting steel, these wheels offer unsurpassed cutting speed and outstanding tool life. They maximize productivity of steel cutting applications in industrial production and professional trade environments.

Abrasive: Aluminum Oxide

Workpiece Materials
Steel

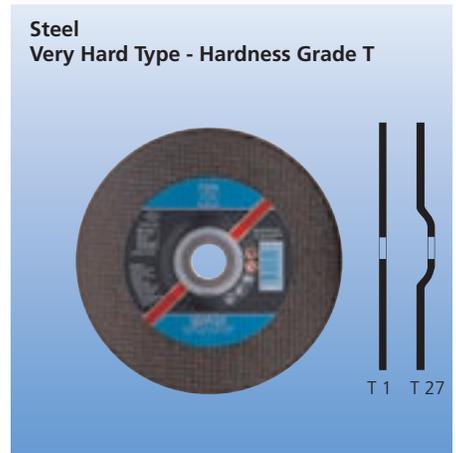
Application
Cutting of sheet metal, sections, and solid material

Recommendation for Use

.040", .045" thickness for fast, convenient cutting with minimized burr formation.
3/32" thickness for universal cut-off use with maximum tool life and high lateral stability.

PFERD Specification Number

A 24/30 T SGP



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 3/32	2.4	7/8	63118	25	5/8-11	63125	10	13,300
5 x 3/32	2.4	7/8	63120	25	5/8-11	63127	10	12,200
7 x 3/32	2.8	7/8	63123	25	5/8-11	63128	10	8,600
9 x 3/32	2.8	7/8	63124	25	5/8-11	63129	10	6,600
Flat (Type 1)								
4-1/2 x .040	1.0	7/8	69946	25	-	-	-	13,300
4-1/2 x 3/32	2.4	7/8	63625	25	-	-	-	13,300
5 x .040	1.0	7/8	69951	25	-	-	-	12,200
5 x 3/32	2.4	7/8	63626	25	-	-	-	12,200
7 x 3/32	2.8	7/8	63627	25	-	-	-	8,600
9 x 3/32	2.8	7/8	63628	25	-	-	-	6,600



Cut-Off Wheels

Depressed Centre (Type 27) and Flat (Type 1) – Special Line SG-PLUS



Stainless Steel (INOX) Hard Type - Hardness Grade S-INOX



PFERD's top performing cut-off wheels for Stainless Steel provide unparalleled cutting performance and service life. The range features X-SLIM wheels, which are .030" (0.8 mm) – the thinnest wheel achievable for the fastest cutting performance and the least material waste.

Abrasive: Aluminum Oxide

INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Stainless steel (INOX)
Also suitable for carbon steel and all ferrous metals.

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

The .030 X-SLIM produces a convincing cutting performance even on low powered grinders. .040", .045" thickness for fast, convenient cutting with minimized burr formation. 3/32" thickness for universal cut-off applications. 1/8" thickness for maximum tool life with high lateral stability.

The use of large clamping flanges (SFS 76, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7".

PFERD Specification Number

A 46 S SGP INOX

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x .030	0.8	7/8	63157	25	-			13,300
4-1/2 x .045	1.6	7/8	63172	25	-			13,300
4-1/2 x 3/32	2.2	7/8	63231	25	5/8-11	63237	10	13,300
5 x .030	0.8	7/8	63158	25	-			12,200
5 x .045	1.6	7/8	63173	25	-			12,200
5 x 3/32	2.2	7/8	63233	25	5/8-11	63239	10	12,200
6 x .045	1.6	7/8	63174	25	-			10,200
7 x .045	1.6	7/8	63175	25	-			8,600
7 x 3/32	2.8	7/8	63235	25	5/8-11	63241	10	8,600
9 x 3/32	2.8	7/8	63236	25	5/8-11	63242	10	6,600
Flat (Type 1)								
4 x .030	0.8	5/8	69816	25	-			15,200
4 x .040	1.0	5/8	69842	25	-			15,200
4 x .045	1.6	5/8	69844	25	-			15,200
4-1/2 x .030	0.8	7/8	69817	25	-			13,300
4-1/2 x .040	1.0	7/8	69845	25	-			13,300
4-1/2 x .045	1.6	7/8	69846	25	-			13,300
4-1/2 x 3/32	2.2	7/8	63635	25	-			13,300
5 x .030	0.8	7/8	69818	25	-			12,200
5 x .040	1.0	7/8	69855	25	-			12,200
5 x .045	1.6	7/8	69857	25	-			12,200
5 x 3/32	2.2	7/8	63636	25	-			12,200
6 x .040	1.0	7/8	69862	25	-			10,200
6 x .045	1.6	7/8	69865	25	-			10,200
7 x .045	1.6	7/8	69872	25	-			8,600
7 x 3/32	2.3	7/8	63533	25	-			8,600
7 x 3/32	2.8	7/8	63637	25	-			8,600
9 x 3/32	2.8	7/8	63638	25	-			6,600

Extremely productive high-performance wheel for cutting solid material. Aggressive cutting performance, maximum stock removal and very long tool life.

Abrasive: Zirconia Alumina

INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Stainless steel (INOX) castings

Application

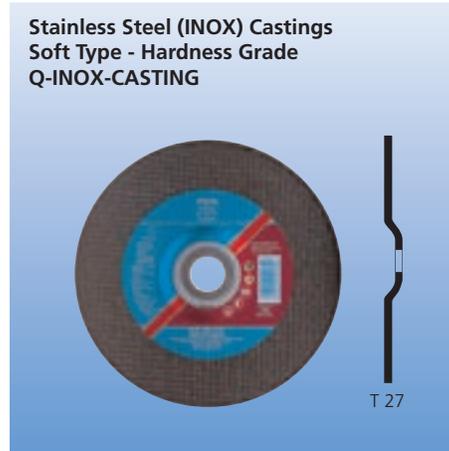
Cutting of solid material

Recommendation for Use

Available in 1/8" thickness for maximum tool life and high lateral stability. Provides optimum grinding results on high-powered angle grinders.

PFERD Specification Number

ZA 24 Q SGP INOX-CASTING



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
9 x 1/8	2.9	7/8	63282	25	5/8-11	63288	25	6,600



Cut-Off Wheels

Die Grinder, Flat (Type 1) – Universal Line PS-FORTE



Steel
Soft Type - Hardness Grade P

General purpose tool for use in hand-held cut-off work. Ideal for working in hard-to-reach areas or close quarters.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

Thin cut-off wheels (.035", .040", 1/16") provide fast and convenient cutting with minimized burr formation.

Use 1/8" cut-off wheels for maximum tool life and high lateral stability.

Fully reinforced for use in hand-held cut-off work. Ideal for working in hard-to-reach areas or close quarters.

Ordering Note

Mandrels for die grinder wheels listed on page 68.

PFERD Specification Number

A 24/36/46/60 P PSF

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Grit	Unthreaded Arbor Hole			Max. RPM
			Bore (H) [Inches]	EDP Number		
Flat (Type 1)						
2 x .035	0.9	60	1/4	69201	50	30,000
2 x .035	0.9	60	3/8	69203	50	30,000
2 x 1/16	1.6	36	1/4	69205	50	30,000
2 x 1/16	1.6	60	1/4	69207	50	30,000
2 x 1/16	1.6	36	3/8	69209	50	30,000
2 x 1/16	1.6	60	3/8	69211	50	30,000
2 x 1/8	3.2	36	3/8	69217	50	30,000
2-1/2 x .035	0.9	60	1/4	69251	50	27,000
2-1/2 x .035	0.9	60	3/8	69253	50	27,000
2-1/2 x 1/16	1.6	36	1/4	69259	50	27,000
2-1/2 x 1/16	1.6	60	1/4	69261	50	27,000
2-1/2 x 1/16	1.6	36	3/8	69255	50	27,000
2-1/2 x 1/16	1.6	60	3/8	69257	50	27,000
2-7/8 x .035	0.9	60	3/8	69275	50	25,000
2-7/8 x 1/16	1.6	36	3/8	69276	50	25,000
3 x .035	0.9	60	1/4	69301	50	25,000
3 x .035	0.9	60	3/8	69303	50	25,000
3 x 1/16	1.6	36	1/4	69305	50	25,000
3 x 1/16	1.6	60	1/4	69307	50	25,000
3 x 1/16	1.6	36	3/8	69309	50	25,000
3 x 1/16	1.6	60	3/8	69311	50	25,000
3 x 1/8	3.2	36	1/4	69313	50	25,000
3 x 1/8	3.2	60	1/4	69315	50	25,000
3 x 1/8	3.2	24	3/8	69316	50	25,000
3 x 1/8	3.2	36	3/8	69317	50	25,000
3 x 1/8	3.2	60	3/8	69319	50	25,000
4 x .035	0.9	60	1/4	69401	50	19,000
4 x .035	0.9	60	3/8	69403	50	19,000
4 x 1/16	1.6	36	1/4	69405	50	19,000
4 x 1/16	1.6	60	1/4	69407	50	19,000
4 x 1/16	1.6	36	3/8	69409	50	19,000
4 x 1/16	1.6	60	3/8	69411	50	19,000

Continued on next page.

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Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Grit	Unthreaded Arbor Hole			Max. RPM
			Bore (H) [Inches]	EDP Number		
4 x 1/16	1.6	36	5/8	69413	50	19,000
4 x 1/8	3.2	24	3/8	69420	50	19,000
4 x 1/8	3.2	60	3/8	69423	50	19,000
5 x .035	0.9	60	3/8	69501	50	12,200
5 x 1/16	1.6	36	3/8	69503	50	12,200
6 x .035	0.9	60	1/2	69601	25	10,200
6 x .035	0.9	60	5/8	69603	25	10,200
6 x 1/16	1.6	36	5/8	69606	25	10,200
7 x .035	0.9	60	5/8	69711	25	8,600
7 x 1/16	1.6	36	5/8	69719	25	8,600
8 x .035	0.9	60	5/8	69801	25	7,600
8 x 1/16	1.6	60	5/8	69802	25	7,600

Die Grinder, Flat (Type 1) – Special Line SG-PLUS

Extremely productive high-performance tool for reduced build-up of heat during cutting operation.

Abrasive: Aluminum Oxide

INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Stainless steel (INOX), also suitable for carbon steel and all ferrous metals

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

.040" thickness for fast cutting action, least material waste.
.045" thickness for high lateral stability, longer service life.

PFERD Specification Number

A 24/46 S SGP INOX



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Flat (Type 1)					
3 x .040	1.0	1/4	69831	25	25,000
3 x .040	1.0	3/8	69832	25	25,000
3 x .045	1.6	3/8	69834	25	25,000
4 x .040	1.0	3/8	69841	25	19,000
4 x .045	1.6	3/8	69843	25	19,000
5 x .040	1.0	3/8	69852	25	12,200
5 x .040	1.0	1/2	69853	25	12,200
5 x .045	1.6	3/8	69856	25	12,200
6 x .040	1.0	5/8	69861	25	10,200
6 x .045	1.6	5/8	69864	25	10,200
8 x .045	1.6	5/8	69882	25	7,600

Cut-Off Wheels

Accessories

Mandrels for Die Grinder Wheels



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

Recommendation for Use

When using this arbor, observe the maximum permissible speed (RPM) stated on the enclosed instruction sheet.

PFERD Specification Number

M-DG



Arbor Size [Inches]	Shank Dia. [Inches]	EDP Number	Max. RPM	
1/4	1/4	69026	30,000	10
3/8	1/4	69027	30,000	10
1/4 + 3/8 (Combo Pack)	1/4	69028	30,000	10

Flange Set for Cut-Off Wheels



Special accessory providing increased lateral stability and improved power transfer to abrasive cut-off wheels.
Made of high-grade tool steel.

Recommendation for Use

Provides superior lateral stability and precise tool control, specifically with 7" and 9" dia. thin cut-off wheels (.040/.045" thickness).

PFERD Specification Number

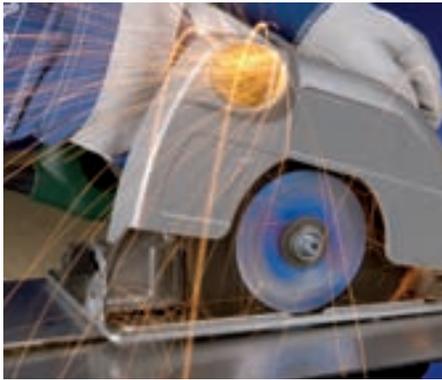
SFS



Flange Diameter [Inches]	Flange Diameter [mm]	EDP Number	
3	76	69037	1



Flat (Type 1) for Circular Saws – Performance Line SG-ELASTIC



Performance cut-off wheels with diamond-shaped bore for use with circular saws. Includes 5/8" and 1/2" adapters for use on angle grinders and straight shaft grinders.

Abrasive: Aluminum Oxide

Workpiece Materials
Steel

Application
Cutting of sheet metal, sections, and solid material

PFERD Specification Number
A 24 S SG



Diameter (D) [Inches]	Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
Flat (Type 1) Diamond Bore						
6	1/8	3.2	Diamond, 5/8 - 1/2	63841	25	10,200
7	1/8	3.2	Diamond, 5/8 - 1/2	63842	25	8,600
8	1/8	3.2	Diamond, 5/8 - 1/2	63843	25	7,600
Flat (Type 1) 5/8" Round Bore						
6	1/8	3.0	5/8	63851	25	10,200
7	.045	1.6	5/8	63667	25	8,600
7	1/8	3.2	5/8	63852	25	8,600
8	1/8	3.2	5/8	63853	25	7,600
10	1/8	3.2	5/8	63762	25	6,100

Performance cut-off wheels with diamond-shaped bore for use with circular saws. Includes 5/8" and 1/2" adapters for use on angle grinders and straight shaft grinders.

Abrasive: Silicon Carbide

Workpiece Materials
Natural stone, synthetic stone, refractory brick

Application
For cutting solid material

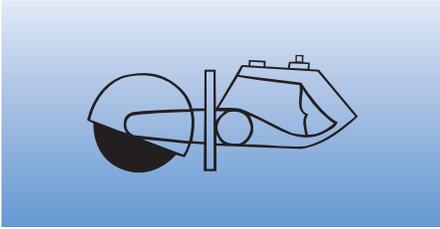
PFERD Specification Number
C 24 R SG



Diameter (D) [Inches]	Thickness Nominal (U) [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
Flat (Type 1) Diamond Bore						
6	1/8	3.2	Diamond, 5/8 - 1/2	63844	25	10,200
7	1/8	3.2	Diamond, 5/8 - 1/2	63845	25	8,600
8	1/8	3.2	Diamond, 5/8 - 1/2	63846	25	7,600
Flat (Type 1) 5/8" Round Bore						
6	1/8	3.0	5/8	63854	25	10,200
7	1/8	3.2	5/8	63855	25	8,600
8	1/8	3.2	5/8	63856	25	7,600
10	1/8	3.2	5/8	63887	25	6,100

Large Diameter Cut-Off Wheels

General Information



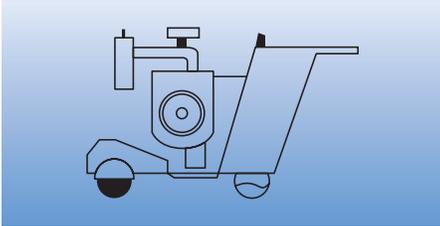
Portable Gas Saw

PFERD portable wheels are developed specifically for use on handheld portable gas powered, pneumatic and electric saws.

Portable wheels are heavily reinforced to withstand the tough environment created by these powerful saws in freehand applications.

Power output 5 to 10 Horsepower.

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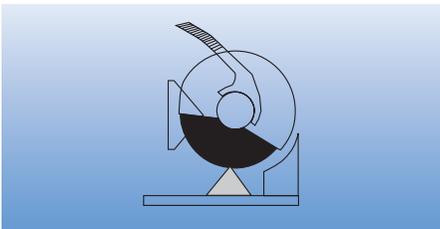


STREET SAW

Universal cut-off wheels for use on walk-behind saws with drive pin.

Power output 10 to 20 Horsepower.

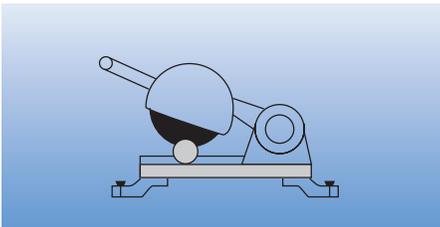
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Portable Electric CHOPSAW/STUD CUTTER

Universal cut-off wheels for use on solid materials and steel sections in power tools with a **max. power output of 5 Horsepower.**

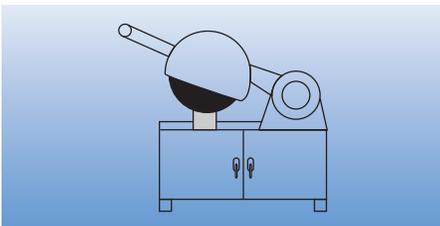
Page 74-75



TABLECUT

Universal cut-off wheels for use on solid materials and steel sections in power tools with a **power output 4 to 7 Horsepower.**

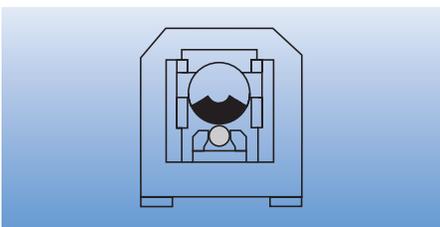
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UNIVERSAL Stationary

Universal cut-off wheels for use on solid material using high-powered tools with a **power output of more than 7 Horsepower**

Page 77



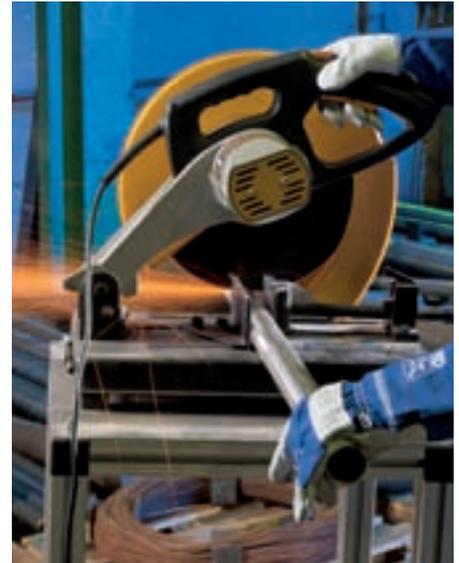
HEAVY DUTY Stationary

High-performance cut-off wheels for use on solid material in **high-powered stationary machines.**

Page 78-79

PFERD manufactures a complete range of highly competitive performance cut-off wheels for use on low powered chopsaw cut-off machines.

They cut fast, last long, and require low operator pressure during the cutting process.



The PFERD range includes wheels specifically customized for optimal performance on a variety of workpiece materials:

- Steel,
- Rail and decking,
- Masonry,
- Asphalt,
- Ductile iron

Wheels are produced in 12", 14" and 16" diameters, with a selection of arbor holes including 1", 7/8" and 20 mm.





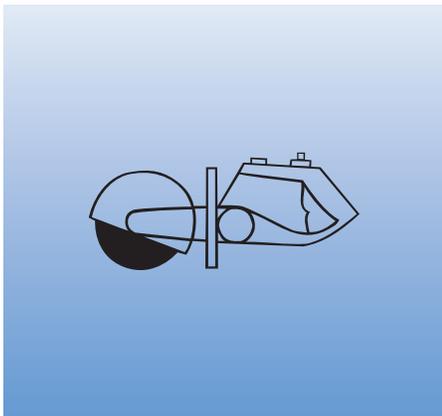
Portable wheels have become a hallmark of the wide range of PFERD products. Favored by countless fire departments, municipalities, contractors, and general construction and demolition personnel, PFERD portable wheels out-cut and outlast competitive brands. They withstand the extremely tough operating environments where they are typically used with high consistency and reliability.

12" portable wheels are available with two peripheral speed ratings: **80 m/s peripheral speed** rated wheels are developed for use on saws rated at slower maximum RPMs. These wheels provide the most efficient cutting action and service life on less powerful saws.

100 m/s wheels contain additional reinforcement to withstand higher forces generated by faster and more powerful tools.

Based on the power and speed rating of your saw, and the material being cut, the properly selected PFERD portable wheel will deliver unparalleled performance and value.

PFERD portable wheels comply with all U.S. safety standards. In addition, they comply with European and international safety standards which exceed the requirements imposed by ANSI.



Performance metal-cutting wheels for use on steel and ferrous metals. Aggressive cutting action and long tool life. For use on electric or gas-powered portable cut-off saws.

Abrasive: Aluminum Oxide

Workpiece Materials
Steel

Application
Cutting of sections and solid material

Recommendation for Use
The 12" dia. wheels can be ordered in 80 m/s or 100 m/s versions to match machine RPM.

PFERD Specification Number
A 24 S SG



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches] [mm]	EDP Number		Max. RPM
80 m/s					
12 x 1/8	4.0	20 mm	64012	20	5,100
12 x 1/8	4.0	7/8	64013	20	5,100
12 x 1/8	4.0	1	64014	20	5,100
100 m/s					
12 x 1/8	4.0	20 mm	64010	20	6,400
12 x 1/8	4.0	7/8	64011	20	6,400
12 x 1/8	4.0	1	64015	20	6,400
14 x 3/16	4.5	20 mm	64016	10	5,500
14 x 3/16	4.5	7/8	64017	10	5,500
14 x 3/16	4.5	1	64018	10	5,500
16 x 3/16	4.8	1	64019	10	4,800

Large Diameter Cut-Off Wheels

Portable Gas Saw – Performance Line SG-ELASTIC



Blended grain portable cut-off wheel designed to cut ductile iron, water main pipe and cast iron quickly and efficiently. For use on electric or gas-powered portable cut-off saws.

Abrasive: Aluminum Oxide and Silicon Carbide

Workpiece Materials

Cast iron, steel-reinforced concrete, composite materials

Application

Cutting of reinforced solid materials

Recommendation for Use

The 12" dia. wheels can be ordered in 80 m/s or 100 m/s versions to match machine RPM.

PFERD Specification Number

AC 24 Q SG

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches] [mm]	EDP Number		Max. RPM
80 m/s					
12 x 1/8	3.0	20 mm	64121	20	5,100
12 x 1/8	3.0	1	64122	20	5,100
100 m/s					
12 x 1/8	4.0	20 mm	64118	20	6,400
12 x 1/8	4.0	7/8	64119	20	6,400
12 x 1/8	4.0	1	64120	20	6,400
14 x 3/16	4.5	20 mm	64123	10	5,500
14 x 3/16	4.5	7/8	64125	10	5,500
14 x 3/16	4.5	1	64124	10	5,500



Designed for cutting non-metal materials on electric and gas-powered portable saws. Aggressive cutting action and long tool life.

Abrasive: Silicon Carbide

Workpiece Materials

Natural stone, refractory brick

Application

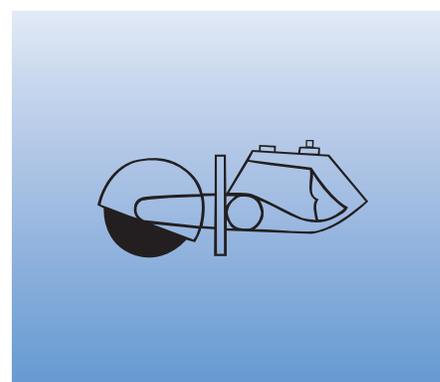
Cutting of solid material

Recommendation for Use

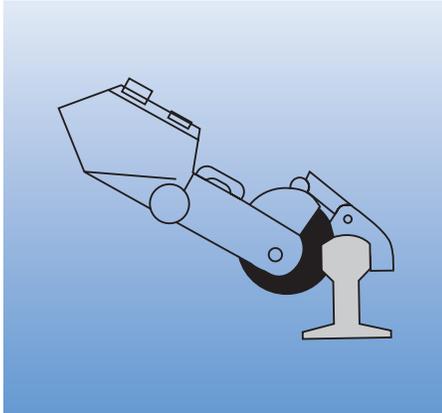
The 12" dia. wheels can be ordered in 80 m/s or 100 m/s versions to match machine RPM.

PFERD Specification Number

C 24 R SG



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches] [mm]	EDP Number		Max. RPM
80 m/s					
12 x 1/8	4.0	20 mm	64232	20	5,100
12 x 1/8	4.0	7/8	64233	20	5,100
12 x 1/8	4.0	1	64234	20	5,100
100 m/s					
12 x 1/8	4.0	20 mm	64230	20	6,400
12 x 1/8	4.0	1	64235	20	6,400
14 x 3/16	4.5	20 mm	64236	10	5,500
14 x 3/16	4.5	7/8	64237	10	5,500
14 x 3/16	4.5	1	64238	10	5,500
16 x 3/16	4.5	1	64239	10	4,800



Special-purpose wheel for cutting metal roof and floor decking and rails with portable cut-off machines.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel

Application

Decking and rail cutting operations

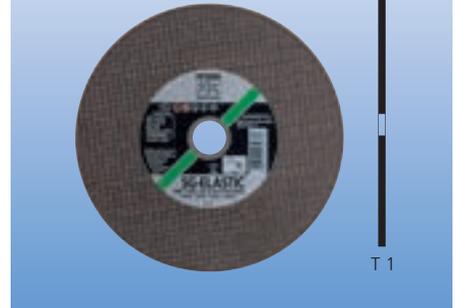
Recommendation for Use

Best cutting results are obtained with high-powered machines.

PFERD Specification Number

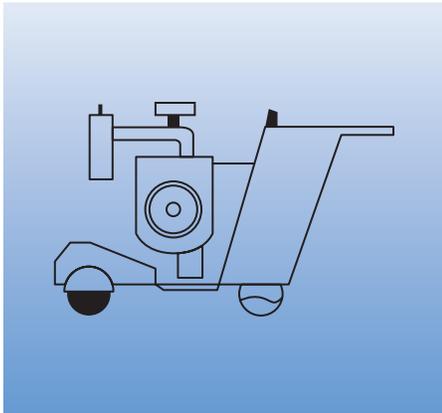
A 24 Q SG RAIL

Decking, Rail
Soft Type - Hardness Grade Q



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches] [mm]	EDP Number		Max. RPM
100 m/s					
12 x 1/8	3.8	20 mm	64395	10	6,400
12 x 1/8	3.8	1	64401	20	6,400
14 x 1/8	3.8	20 mm	64396	10	5,500
14 x 1/8	3.8	1	64402	10	5,500
16 x 1/8	4.2	20 mm	64397	10	4,800
16 x 1/8	4.2	1	64403	10	4,800

STREET SAW – Performance Line SG-ELASTIC



Specially designed for use on walk-behind saws with drive pin. Used for cutting expansion joints, new road construction and repair.

Wheel Types

GP: General Purpose

ASP: Asphalt

CC: Cured Concrete

Abrasive: Silicon Carbide

Workpiece Materials

Concrete

Application

Cutting expansion joints

PFERD Specification Number

C 24 R SG

Concrete
Soft Type - Hardness Grade R



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore (H) [Inches]/Wheel Type	Pin Hole [Inches]	EDP Number		Max. RPM
80 m/s						
12 x 1/8	3.0	1 / GP	3/8	64301	20	5,100
12 x 1/8	3.0	1 / ASP	3/8	64300	20	5,100
100 m/s						
14 x 3/16	4.5	1 / GP	3/8	64302	10	5,500
14 x 3/16	4.7	1 / ASP	3/8	64303	10	5,500
14 x 3/16	5.0	1 / CC	3/8	64304	10	5,500
14 x 1/4	6.6	1 / GP	3/8	64305	10	5,500

Large Diameter Cut-Off Wheels

NEW Portable Electric CHOPSAW – Universal Line PS-FORTE



Steel
Very Soft Type - Hardness Grade K

The general purpose PS-FORTE CHOPSAW cut-off wheel is fully reinforced for safety and durability, and engineered to provide a long service life and free cutting action. Ideal on jobsites for cutting a wide variety of materials and workpiece profiles.

Abrasive: Aluminum Oxide A

Workpiece Materials
Steel

Application
Cutting of sections and solid material, rebar, tubing, and other small cross sections

Recommendation for Use
Provides excellent cutting results on CHOPSAW machines with up to 5 horsepower.

PFERD Specification Number
A 36 K PSF CHOP



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
80 m/s					
12 x 3/32	2.8	1	64491	20	5,100
14 x 3/32	2.8	1	64492	10	4,400
16 x 1/8	3.8	1	64493	10	3,800

Portable Electric CHOPSAW – Performance Line SG-ELASTIC



Steel
Very Soft Type - Hardness Grade K

Multipurpose tool for abrasive cutting operations using stationary machines. Aggressive abrasive performance for fast cuts and very long tool life.

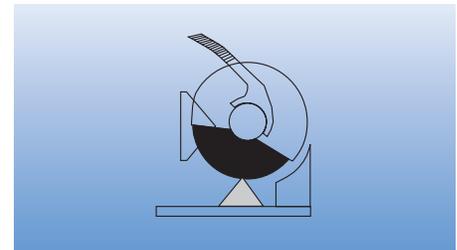
Abrasive: Aluminum Oxide

Workpiece Materials
Steel

Application
Cutting of sections and solid material, rebar, tubing, and other small cross sections

Recommendation for Use
Provides excellent cutting results on machines with up to 5 horsepower output.

PFERD Specification Number
A 36 K SG CHOP

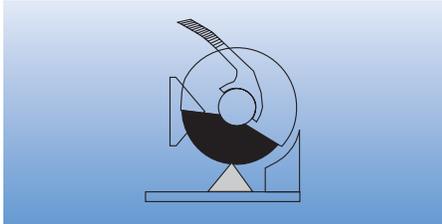


Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
80 m/s					
12 x 3/32	2.8	1	64501	20	5,100
14 x 3/32	2.8	1	64502	10	4,400
16 x 1/8	3.8	1	64503	10	3,800

Large Diameter/Stationary Cut-Off Wheels

Portable Electric CHOPSAW – Performance Line SG-ELASTIC

Special cut-off wheel for abrasive cutting operations using stationary electric CHOPSAW. For aggressive and fast cutting of stainless rebar, tubing and small cross sections.



Abrasive: Aluminum Oxide

INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials

Stainless steel (INOX)

Application

Cutting of sections and solid material

Recommendation for Use

Provides excellent cutting results on machines with up to 5 horsepower output.

PFERD Specification Number

A 36 K SG CHOP-INOX

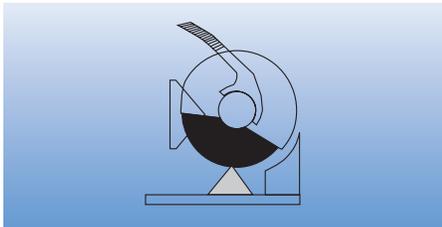
Stainless Steel (INOX)
Very Soft Type - Hardness Grade K



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
80 m/s					
12 x 3/32	2.8	1	64507	20	5,100
14 x 3/32	2.8	1	64508	10	4,400
16 x 3/32	2.8	1	64509	10	3,800

STUD CUTTER – Performance Line SG-ELASTIC

Designed for use on portable electric chop-saws, the STUD CUTTER is optimized for lateral strength and low vibration. Ideal for cutting single or bundled studs, and sheet.



Abrasive: Aluminum Oxide

Workpiece Materials

Steel

Application

Cuts metal studs, thin rebar, sheet stock and light gauge metal

Recommendation for Use

Provides excellent cutting results on machines with up to 5 horsepower output.

PFERD Specification Number

A 36 K SG STUD

Steel
Very Soft Type - Hardness Grade K



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
80 m/s					
12 x 1/8	3.0	1	64504	20	5,100
14 x 1/8	3.0	1	64505	10	4,400
16 x 1/8	3.8	1	64506	10	3,800

Large Diameter Cut-Off Wheels

TABLECUT – Performance Line SG-ELASTIC

Steel/Non-Ferrous Metals
Soft Type - Hardness Grade L



Special performance tool for abrasive cutting operations using high power portable chop saws and low power stationary machines. Characterized by high lateral stability and very long tool life for chop stroke action.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel, non-ferrous metals

Application

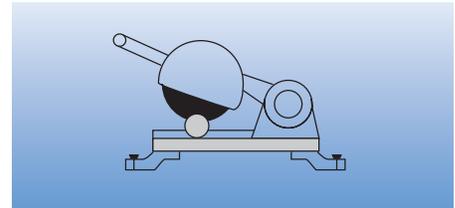
Cutting of sections and solid material

Recommendation for Use

Best cutting results are achieved with high-powered machines in the 4 to 7 horsepower output range.

PFERD Specification Number

A 30 L SG TABLE

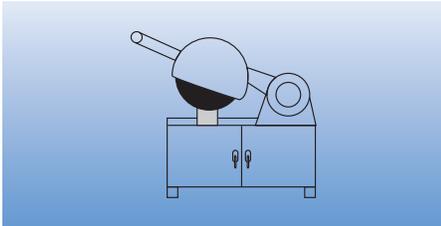


Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
80 m/s					
12 x 1/8	3.0	1	64530	20	5,100
14 x 1/8	3.0	1	64531	10	4,400
16 x 1/8	4.0	1	64532	10	3,800



General purpose wheel for use on stationary machines.
Provides high stock removal for short cutting cycles, as well as a very long tool life.

Abrasive: Aluminum Oxide



Workpiece Materials
Steel, non-ferrous metals

Application
Cutting of solid material

Recommendation for Use
Optimum cutting results are achieved with high-powered machines delivering more than 7 horsepower output.

PFERD Specification Number
A 30 O SG UNI

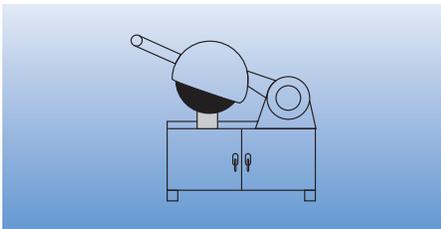
Steel/Non-Ferrous Metals
Soft Type - Hardness Grade O



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
80 m/s					
12 x 1/8	3.4	1	66002	20	5,100
14 x 1/8	3.8	1	66003	10	4,400
16 x 1/8	4.2	1	66004	10	3,800

General purpose wheel for use in stationary machines.
Provides high stock removal for short cutting cycles, as well as a very long tool life.

Abrasive: Silicon Carbide



Workpiece Materials
Cast iron, masonry

Application
Cutting of solid material

Recommendation for Use
Best results are obtained with high-powered machines delivering outputs of more than 7 horsepower.

PFERD Specification Number
C 24 O SG UNI

Cast Iron/Masonry
Soft Type - Hardness Grade O



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
80 m/s					
12 x 1/8	3.4	1	66104	20	5,100
14 x 1/8	3.8	1	66105	10	4,400

Stationary Cut-Off Wheels

HEAVY DUTY – Performance Line SG-ELASTIC



Steel
Soft Type - Hardness Grade N/P/Q/S

Heavy-duty cut-off wheels for demanding stationary cutting applications. Designed for aggressive cutting action, leaving a clean and bright cut even in large-diameter material.

Abrasives: Aluminum Oxide

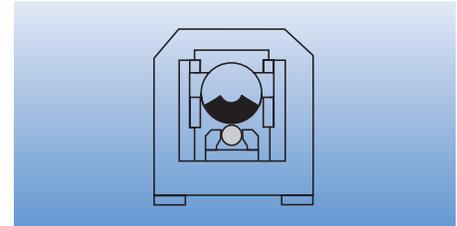
Workpiece Materials
Steel

Application
Cutting of solid material

Recommendation for Use
Best cutting results are obtained on high-powered stationary machines. 80 m/s wheels run optimally when the saw power rating in horsepower is 75 % to 100 % of the wheel diameter.

100 m/s wheels should be selected when there is 1 horsepower or more per inch of wheel, or for machines operating at higher RPMs. Never exceed maximum RPM listed on wheel label.

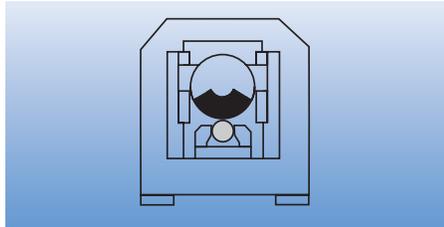
PFERD Specification Number
A 24 N/P/Q/S SG HD



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
80 m/s					
10 x 3/32	2.4	5/8	66113	20	6,100
10 x 3/32	2.4	1	66114	20	6,100
12 x 1/8	3.4	1	66115	20	5,100
14 x 1/8	3.8	1	66116	10	4,400
16 x 1/8	4.0	1	66117	10	3,800
20 x 3/16	4.5	1	66005	5	3,100
20 x 3/16	4.5	1-1/4	66006	5	3,100
20 x 3/16	4.5	1-1/2	66007	5	3,100
20 x 3/16	5.5	1	66123	5	3,100
20 x 3/16	5.5	1-1/2	66125	5	3,100
24 x 3/16	4.8	1	66126	5	2,550
26 x 1/4	6.5	1	66132	5	2,550
26 x 1/4	6.5	1-1/2	66134	5	2,550
26 x 1/4	6.5	1-3/4	66135	5	2,550

100 m/s					
10 x 1/8	3.2	5/8	66009	20	7,600
10 x 1/8	3.2	1	66010	20	7,600
12 x 1/8	3.0	1	66011	20	6,400
14 x 1/8	4.0	1	66012	10	5,500
16 x 3/16	4.4	1	66013	10	4,800
16 x 1/8	4.0	1-1/4	66014	10	4,800
16 x 3/16	4.6	1-1/2	66015	10	4,800
18 x 3/16	5.0	1	66016	5	4,200
20 x 1/4	5.7	1	66019	5	3,800
20 x 1/4	5.8	1-1/2	66021	5	3,800
24 x 1/4	6.0	1	66022	5	3,200
24 x 1/4	6.0	1-1/2	66026	5	3,200

Heavy duty cut-off wheels for demanding stationary cutting applications. Designed for aggressive cutting action, leaving a clean and bright cut even in large-diameter material.



Abrasives: Zirconia Alumina

Workpiece Materials

Steel, cast iron

Application

Cutting of solid material

Recommendation for Use

Best cutting results are obtained in high-powered stationary machines.

PFERD Specification Number

ZA 24 Q/R SG HD

Steel/Cast Iron
Soft Type - Hardness Grade Q/R



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Bore [Inches]	EDP Number		Max. RPM
100 m/s					
20 x 3/16	5.4	1	66045	5	3,800

For particular tasks and applications (customized drive systems and material), we can supply special wheel types made to order. We provide individual advice for our customers, and if necessary, we even design special tools for the specified application.

The following **cut-off wheel diameters [Inches]** can be manufactured with different thicknesses and centre hole diameters upon request:

Cut-Off Wheel Diameters [Inches]
28, 32, 34, 40, 50

Maximum Operating Speeds

Cut-off wheels are available for max. operating speeds of 100 or 80 m/s. They meet the safety requirements of the respective professional association and the EN 12413 standard.

PFERD Support and Customer Service

The variety of cutting applications requires **detailed advice**. PFERD provides this service upon request, free of charge and without any obligation on the part of the customer.

Our advice does not only extend to the selection of the right PFERD cut-off wheel, but also addresses equipment improvement aspects, e.g. with relation to extractor systems, workpiece feeding devices, clamping, etc.

Our **Technical Customer Support (TCS)** engineers and applications research departments possess many years of experience allowing us to provide expert advice at short notice, whatever your cutting problem may be.

Owing to the good relationship between our development departments and many domestic and international manufacturers of abrasive cut-off machines, we can also assist in the procurement of appropriate equipment.

Abrasive Cut-Off Machine

Apart from the selection of the right wheel, a sophisticated cut-off machine is the key to any productive cut-off process.

The following requirements must be met by any advanced cut-off machine:

- Adequate motor power and positive power transmission from drive to spindle. The required power input depends on the wheel diameter and on the cross-section of the material to be cut.
- Appropriate feed rates permitting efficient cutting of cold material at 10 cm²/s and of red-hot material at up to 20 cm²/s.
- Suitable workpiece and wheel clamping systems.
- A well-functioning and appropriately sized extractor system.
- Adequate safety features.

Hot Cutting

Hot cutting at workpiece temperatures up to 1800° F has become an increasingly widespread technique.

Benefits: Burr-free and fast cutting of red hot billets and bars, conventional castings and continuously cast products.

Tools Made to Customer Requirements



Storage of Cut-Off Wheels

Cut-off wheels should be stored **horizontally** in a **dry** indoor location. Wheels must be subject to uniform loads and placed on a flat surface to prevent warping (for details refer to the current standards and norms).





Catalogue 201

Files



Catalogue 206

Grinding and
Cut-Off Wheels



Catalogue 202

Tungsten Carbide Burs
and Bi-Metal Hole Saws



Catalogue 208

Power and
Maintenance Brushes



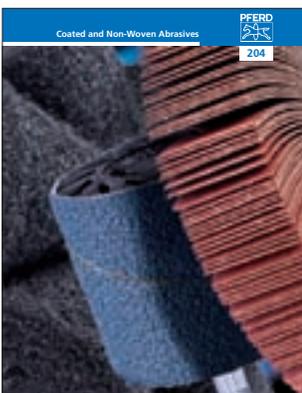
Catalogue 203

Mounted Points



Catalogue 209

Power Tools



Catalogue 204

Coated and
Non-Woven Abrasives

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