



Grinding and Cut-Off Wheels



Color Coding System, Table of Contents

PFERD Color Coding System

PFERD grinding and cut-off wheels are marked with an easy-to-follow color code on all product labels and packaging and in our recommendations for use.

The product line colors – orange, silver and blue – provide initial orientation to users and facilitate the selection of the ideal abrasive.

Orange = Universal Line PS-FORTE

For general purpose use in industrial, trade and DIY use.

Silver = Performance Line SG-ELASTIC

Broadest range for professional use in industry and trades.

Blue = Special/High-Performance Line SG-PLUS

Designed for special industrial applications.

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Grinding and Cut-Off Wheels

Material, Power Tools, Application/Task

Three Steps to Select the Correct Tool



In order to ensure the most cost-efficient use of grinding and cut-off wheels for hand-held power tools, it is necessary to select the right tool for the individual application.

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

ing task at hand. This distinction is reflected in the following table.

① Material Groups			
Steel and Steel Castings	Non-hardened, non-heat treated steels up to 1200 N/mm ² (< 35 HRC)	Constructional steels Carbon steels Tool steels	Non-alloyed steels Case-hardened steels Steel castings
	Hardened, heat-treated steels over 1200 N/mm ² (> 35 HRC)	Tool steels Tempering steels	Alloyed steels Steel castings
INOX	Stainless steel	Austenitic and ferritic high-grade steels	
Non-ferrous Metals	Soft non-ferrous metals	Aluminum alloys Brass	Copper Zinc
	Hard non-ferrous metals	Bronze	
Wood/Plastics		Fiber-reinforced plastics (FRP) Thermoplastics	

② 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+ amps	2+ amps	2.4+ amps
	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 amps	< 2 amps	< 2.4 amps
	Electric Tools (Based on 120 Volts)	< 5 amps	< 7 amps	< 8.5 amps	< 13 amps	< 15 amps

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

Three steps to select the correct tool (Example: POLIFAN® Flap Disc)

① INOX		
② Power Tool	③ Application/Task ▶	④ Tool
High Power	Surface, Weld Seam, General Purpose ▶	SG - ZIRKON SG - A
	Edge Grinding ▶	SG - ZIRKON
	Cool Grinding ▶	SG - A - COOL
Low Power	Surface, Weld Seam, General Purpose ▶	SG - ZIRKON SG - A
	Edge Grinding ▶	
	Cool Grinding ▶	SG - A - COOL

Grinding and Cut-Off Wheels

Maximum Operation Speed, Dimensions, Mounting System, Safety Recommendations

Maximum Operating Speed

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

Max. Operating Speed	Color Bar
50 m/s	blue
63 m/s	yellow
80 m/s	red
100 m/s	green

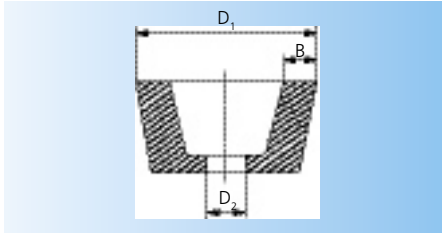
Balance

PFERD grinding and cut-off wheels are manufactured according to EN ISO 6103 standards.

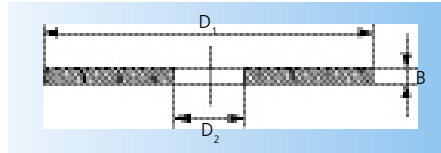
Dimensions

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

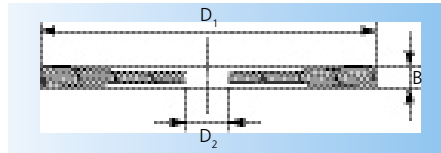
Cup Wheel ETT (Type 11)



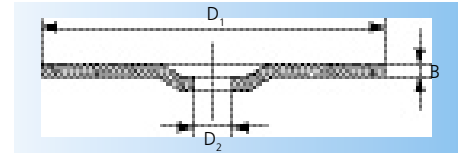
Flat Type (Type 1)



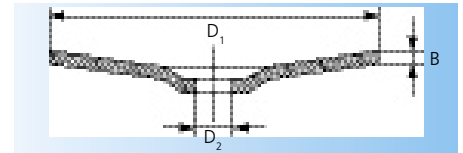
Tapered Type (Type 1)



Depressed Center Type (Type 27)



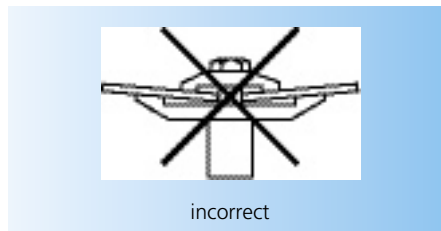
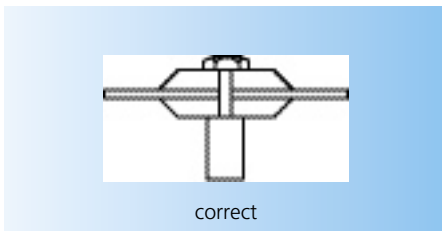
Depressed Center – Saucer (Type 28)



Mounting System

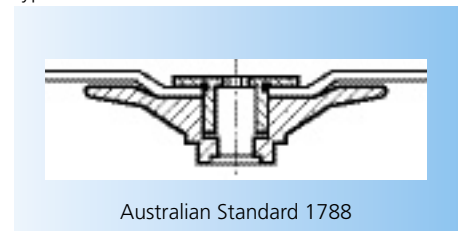
Never use flanges of different diameter.

Two flanges clamping a grinding tool must always have the same outside diameter and support area (according to EN 68, ASA 1788.1, ANSI B 7.1).



Adapter for Reinforced Grinding Wheels

In some countries, specific requirements apply with regard to the use of special flange or adapter systems on 7"/9" dia. reinforced type 27 wheels.



Safety Recommendations



Wear protective goggles!
= Wear dust respirators!
Use ear protection!



= Wear protective gloves!



= Observe safety recommendations!



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



= Not approved for wet grinding!



= Not approved for side grinding!



= Do not use damaged wheels!

Grinding and Cut-Off Wheels

Safety Data

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.

ANSI DIN EN ISO

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

The user, however, has the final responsibility for correct handling and safe operation of power tools and abrasive products.

Do you have any questions on grinding safety? PFERD will be glad to provide advice and support, whether through seminars at our training centers 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:

- ANSI Safety Code B7.1 /OSHA regulations (USA)
- EN 12413 for bonded abrasive products (1999)
- EN 13236 for superabrasives (2001)
- EN 13743 for coated abrasives (2002)
- Australian Standards ASA No.1788

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.



Grinding Wheel Safety

DO:

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

DON'T:

1. Don't use a wheel that has been dropped. The impact may result in breakage.
2. 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.
3. Don't exceed maximum operating speed established for the wheel.
4. Don't use mounting flanges which are warped, nicked, sprung, or which are not clean.
5. Don't tighten the mounting nut excessively. On multiple screw mountings, 15-foot pounds per screw is usually enough.
6. Don't grind on the edge of the wheel unless the wheel is specifically designed for that purpose.
7. Don't start the machine unless all guards are in place.
8. Don't stand directly in front of a grinding wheel when a grinder is started.
9. Don't grind material for which the wheel is not designed.
10. Don't use relieved or recessed flanges with threaded hole cup wheels, cones or plugs.

Cut-Off Wheel Safety and Cutting Procedures

1. 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.
2. Machines must have adequate power transmission and capacity, spindle speeds and proper guarding of the wheel. It is best to have extra power to insure good cutting efficiency.
3. 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.
4. 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.
5. 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!
6. Always use blotter, when supplied with the wheels.
7. Be sure that the flanges are tightened securely but not too tightly to avoid springing the flanges and changing the pressure area.
8. Be sure the workpiece is securely held down, including both sides of the cut, if practical. Cut-off wheels withstand a great deal of radial stress but not side stress. Even reinforced wheels are not completely unbreakable. Side pressure must be avoided to insure straight cuts and avoid possible wheel breakage.
9. 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.
10. 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.



Reinforced Grinding Wheels

Product Lines, Product Categories

For the wide variety of abrasive grinding applications in industry and trades PFERD offers three types of reinforced grinding wheels with proven color coding system:



Universal Line PS-FORTE

For general purpose use in industrial, trade and DIY use.

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



Performance Line SG-ELASTIC

Broadest range for professional use in industry and trades.

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.



Special/High-Performance Line SG-PLUS

Designed for special industrial applications.

Recommended reinforced grinding wheels for the retail trade are the universal line PS-FORTE and the performance line SG-ELASTIC.

Product Categories

Material	Steels	INOX (Stainless)	Cast Iron	Masonry	Aluminum		
 Universal Line PS-FORTE	 PSF-A-L		 PSF-A-M-INOX-PIPE				
 Performance Line SG-ELASTIC	 SG-A-R	 SG-AC-S	 SG-A-N-INOX	 SG-ZA-S	 SG-AC-S	 SG-C-Q	 SG-A-N-Alu
 Special/High-Performance Line SG-PLUS	 SGP-ZA-R		 SGP-ZA-T				

Reinforced Grinding Wheels

Label Codes, Ordering Instructions, Color Coding System

PFERD Specification Number

E 115 - 7 A 30 N SG-INOX
1 2 3 4 5 6 7

1 Tool Type and Shape

E = Reinforced Grinding Wheel
ER = Ring Wheel
ETF = Saucer Wheel
ETT = Cup Wheel

2 Dimension

Diameter (D.) in mm

3 Wheel Thickness

Thickness (B) in mm

4 Abrasive

A = Aluminum Oxide
C = Silicon Carbide
Z = Zirconia Alumina
ZA = Zirconia Alumina, Alum. Oxide
AC = Alum. Oxide, Silicon Carbide

5 Grit Size

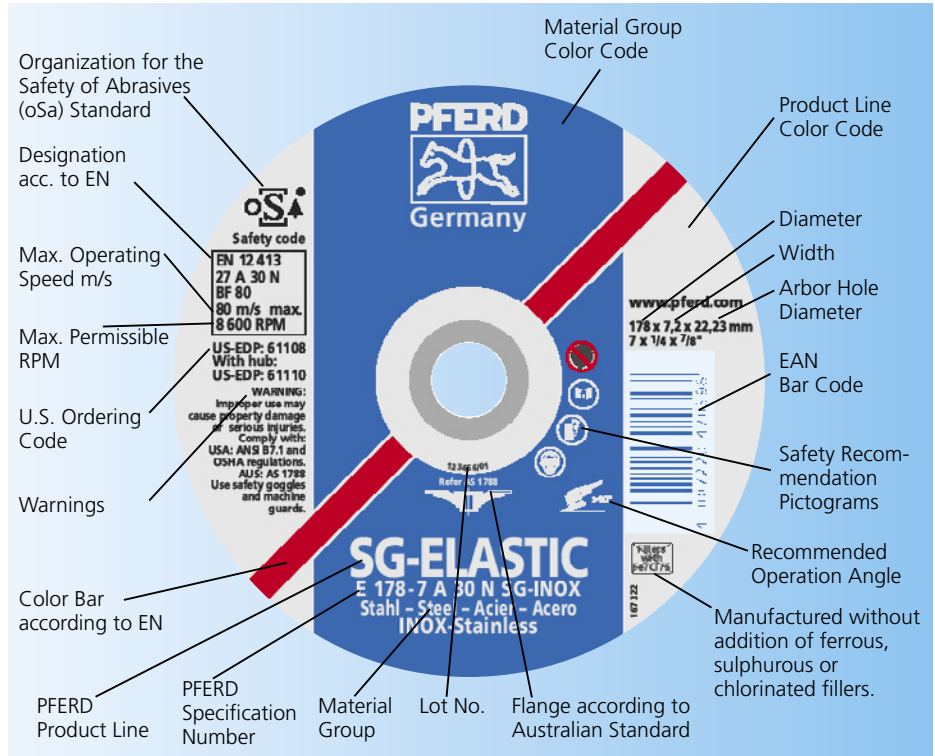
In Mesh according to FEPA scale.

6 Grade (Wheel Properties)

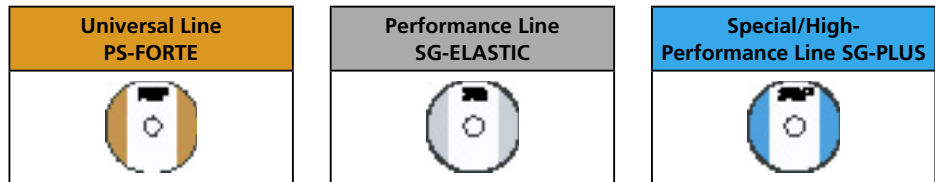
Grade	Wheel Properties	Material Groups
Universal Line PS-FORTE		
L	soft	Steel, INOX
M	soft	INOX
Performance Line SG-ELASTIC		
N	soft	INOX, Aluminum
Q	soft	Stone
R	hard	Steel
S	hard	Scale, Cast Iron
Special/High-Performance Line SG-PLUS		
R	hard	Steel
T	very hard	Scale, Cast Iron

7 PFERD Product Lines

Universal Line PS-FORTE
Performance Line SG-ELASTIC
Special/High-Performance Line SG-PLUS



Color Coding of the three Product Lines



Color Coding for the Recommended Materials to be Ground

Universal Line PS-FORTE		Performance Line SG-ELASTIC		Special/High-Performance Line SG-PLUS	
Material = Color	Page	Material = Color	Page	Material = Color	Page
Steel, Cast Iron, INOX Black/Blue	9	Steel Black	10-11, 16, 18	Steel Black	14
INOX (Stainless) Blue	15	INOX (Stainless) Blue	11, 17	Cast Iron Red	14
		Scale, Cast Iron Red	13		
		Steel, Cast Iron Black/Red	12, 19		
		Masonry, Cast Iron Green/Red	13, 19		
		Non-ferrous Metals, Alu Silver	12		

Designation according to EN 12413

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

1 Tool Type and Shape

27 = Grinding Wheel, Depressed Center Type
1 = Grinding Wheel, Flat Type
11 = Cup Wheel, Tapered Type
28 = Grinding Wheel, Saucer Type

2 Abrasive

A = Aluminum Oxide
C = Silicon Carbide
Z = Zirconia Alumina

3 Grit Size

In Mesh according to FEPA scale.

4 Grade (Wheel Properties)

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

5 Bond

BF = Resinoid bond, fiber-reinforced, woven or non-woven

B = Resinoid bond and other duroplastic bonds

6 Maximum Operating Speed in m/s

Reinforced Grinding Wheels

Depressed Center (Type 27) Universal Line PS-FORTE



Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	PSF - A - L
	General Purpose	
Low Power	Edge Grinding	

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	PSF - A - L
	General Purpose	
Low Power	Edge Grinding	

Cast Iron		
Power Tool	Application	Tool
High Power	Surface	PSF - A - L
	General Purpose	
Low Power	Edge Grinding	

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



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

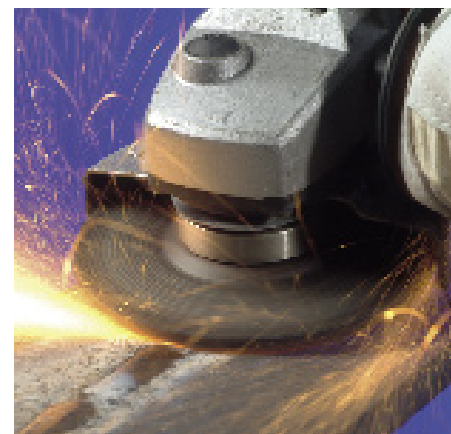
Steel, cast iron, stainless steel (INOX)

Application

Surface grinding, edge grinding

PFERD Specification Number

A 24 L PSF



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

Reinforced Grinding Wheels

Depressed Center (Type 27) Performance Line SG-ELASTIC



Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - ZA - S
	General Purpose	
Low Power	Edge Grinding	SG - A - R

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - A - N - INOX
	General Purpose	
Low Power	Edge Grinding	

Cast Iron		
Power Tool	Application	Tool
Turbine High-frequency	Surface	SG - ZA - S
	General Purpose	
High Power	Edge Grinding	SG - C - Q

Aluminum/Non-ferrous Metals (Tough, Hard)		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - A - N - ALU
	General Purpose	
Low Power	Edge Grinding	

Masonry		
Power Tool	Application	Tool
High Power	Surface	SG - C - Q
	General Purpose	
Low Power	Edge Grinding	

Steel
Hard Type - Hardness Grade R



Special grinding wheel provides long service life for reduced wheel changes. Particularly well suited for use in severe, high pressure grinding applications (e.g. edge grinding, beveling, etc).

Abrasive: Aluminum Oxide

Workpiece Materials
Steel

Application
Weld finishing, edge grinding

Recommendation for Use
Achieves optimum grinding results on high-powered angle grinders.

PFERD Specification Number
A 24 R SG



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
2-3/4	5/16	8.3	3/8	61019	10	-	-	-	21,800
3	1/4	6.3	3/8	61020	10	-	-	-	20,900
4	1/4	6.3	3/8	61022	10	-	-	-	15,300
4	1/4	6.3	5/8	61024	10	-	-	-	15,300
4-1/2	1/8	4.1	7/8	61025	10	5/8-11	61037	10	13,300
4-1/2	1/4	7.2	7/8	61026	10	5/8-11	61038	10	13,300
5	1/4	7.2	7/8	61028	10	5/8-11	61040	10	12,200

Reinforced Grinding Wheels

Depressed Center (Type 27) Performance Line SG-ELASTIC



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
6	1/4	7.2	7/8	61030	10	5/8-11	61042	10	10,200
7	1/4	7.2	7/8	61032	10	5/8-11	61044	10	8,600
7	5/16	8.3	7/8	61033	10	5/8-11	61045	10	8,600
9	1/4	7.2	7/8	61035	10	5/8-11	61047	10	6,600
9	5/16	8.3	7/8	61036	10	5/8-11	61048	10	6,600

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



Special, long life grinding wheel for stainless steel 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
Weld seam finishing, surface grinding

Recommendation for Use
Provides optimum grinding results on high-powered angle grinders.

PFERD Specification Number
A 30 N SG-INOX



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4	1/4	6.3	3/8	61100	10	-	-	-	15,300
4	1/4	6.3	5/8	61103	10	-	-	-	15,300
4-1/2	1/8	4.1	7/8	61104	10	5/8-11	61113	10	13,300
4-1/2	1/4	7.2	7/8	61105	10	5/8-11	61114	10	13,300
5	1/4	7.2	7/8	61106	10	5/8-11	61111	10	12,200
6	1/4	7.2	7/8	61107	10	5/8-11	61116	10	10,200
7	1/4	7.2	7/8	61108	10	5/8-11	61110	10	8,600
9	1/4	7.2	7/8	61109	10	5/8-11	61112	10	6,600

Reinforced Grinding Wheels

Depressed Center (Type 27) Performance Line SG-ELASTIC



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



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: Special Aluminum Oxide
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
Soft, tough and hard aluminum, non-ferrous metals

Application
Weld dressing, surface grinding

Recommendation for Use
Achieves outstanding stock removal rates even at low contact pressure.

PFERD Specification Number
A 24 N SG-Alu

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

Steel/Cast Iron Hard Type - Hardness Grade S



Special zirconia wheel providing outstanding stock removal and very long tool life.

Abrasive: Zirconia Alumina

Workpiece Materials
Steel, cast iron (grey and nodular types)

Application
Weld finishing, edge grinding, root pass grinding

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

PFERD Specification Number
ZA 30 S SG

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4	1/4	6.3	5/8	61601	10	-	-	-	15,300
4-1/2	1/4	7.2	7/8	61602	10	5/8-11	61603	10	13,300
5	1/4	7.2	7/8	61604	10	5/8-11	61614	10	12,200
6	1/4	7.2	7/8	61613	10	5/8-11	61616	10	10,200
7	1/4	7.2	7/8	61605	10	5/8-11	61607	10	8,600
9	1/4	7.2	7/8	61606	10	5/8-11	61608	10	6,600

Reinforced Grinding Wheels

Depressed Center (Type 27) Performance Line SG-ELASTIC



Casting Scale/Cast Iron
Hard Type - Hardness Grade S



Specialty wheels for grinding casting crusts. Aggressive grinding characteristics and very long service life.

Abrasive: Aluminum Oxide & Silicon Carbide

Workpiece Materials

Casting scale with sand inclusions, cast iron (grey and nodular types)

Application

Descaling of castings, edge grinding, surface finishing work

Recommendation for Use

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



PFERD Specification Number

AC 30 S SG

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
7	1/4	7.2	7/8	61273	10	5/8-11	61278	10	8,600
9	1/4	7.2	7/8	61274	10	5/8-11	61279	10	6,600

Cast Iron/Casting Scale/Masonry
Soft Type - Hardness Grade Q



For rough surface grinding of castings. Also suitable for use on tough and hard aluminum.

PFERD Specification Number

C 24 Q SG

Abrasive: Silicon Carbide

Workpiece Materials

Cast iron, casting scale, masonry

Application

Edge grinding

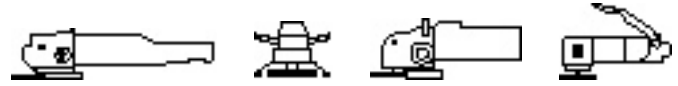
Recommendation for Use

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

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4	1/4	6.3	5/8	61500	10	-	-	-	15,300
4-1/2	1/4	7.2	7/8	61501	10	5/8-11	61508	10	13,300
5	1/4	7.2	7/8	61502	10	5/8-11	61509	10	12,200
6	1/4	7.2	7/8	61503	10	5/8-11	61510	10	10,200
7	1/4	7.2	7/8	61504	10	5/8-11	61506	10	8,600
9	1/4	7.2	7/8	61505	10	5/8-11	61507	10	6,600

Reinforced Grinding Wheels

Depressed Center (Type 27) Special/High-Performance Line SG-PLUS



Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SGP - ZA - R
	General Purpose	
Low Power	Edge Grinding	

Cast Iron		
Power Tool	Application	Tool
Turbine High-frequency	Surface	SGP - ZA - T
	General Purpose	
High Power	Edge Grinding	



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 & Aluminum Oxide

Workpiece Materials
Steel

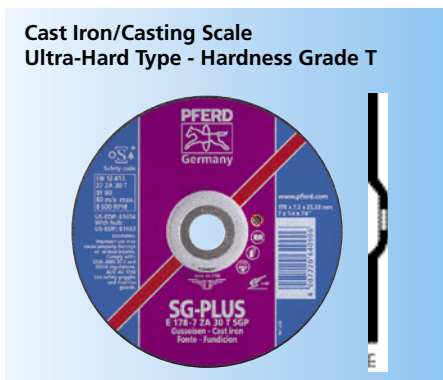
Application
Weld finishing, edge grinding

Recommendation for Use
Preferably for use on high-powered angle grinders.

PFERD Specification Number
ZA 24 R SGP



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4	1/4	6.3	3/8	61551	10	-	-	-	15,300
4	1/4	6.3	5/8	61552	10	-	-	-	15,300
4-1/2	1/4	7.2	7/8	61553	10	5/8-11	61560	10	13,300
5	1/4	7.2	7/8	61554	10	5/8-11	61561	10	12,200
6	1/4	7.2	7/8	61555	10	5/8-11	61562	10	10,200
7	1/4	7.2	7/8	61556	10	5/8-11	61563	10	8,600
9	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 severe 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 pneumatic turbine grinders and powerful high-frequency or electric angle grinders.

PFERD Specification Number
ZA 30 T SGP

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
7	1/4	7.2	7/8	61656	10	5/8-11	61663	10	8,600
9	1/4	7.2	7/8	61657	10	5/8-11	61664	10	6,600

Reinforced Grinding Wheels

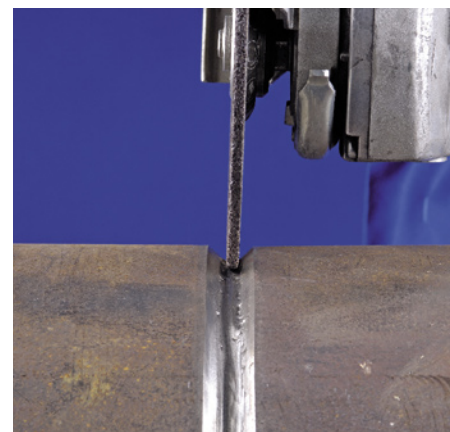
Depressed Center (Type 27) PIPELINER Universal Line PS-FORTE



PFERD pipeliner wheels are designed for light grinding and cutting of pipeliner 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 pipeliner files.

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



INOX (Stainless)		
Power Tool	Application	Tool
High Power	Root Pass	PSF - A - M - INOX
	General Purpose	
Low Power	Edge Grinding	

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



General purpose pipeliner 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, INOX-rated pipeliner 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.

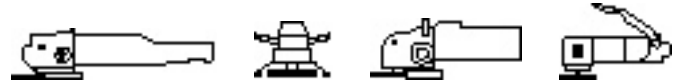
PFERD Specification Number

A 24 M PSF-INOX PIPE

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4	1/8	4.1	5/8	63409	10	-	-	-	15,300
4-1/2	1/8	4.1	7/8	63410	10	5/8-11	63414	10	13,300
5	1/8	4.1	7/8	63411	10	5/8-11	63415	10	12,200
7	1/8	4.1	7/8	63412	10	5/8-11	63416	10	8,600
9	1/8	4.1	7/8	63413	10	5/8-11	63417	10	6,600

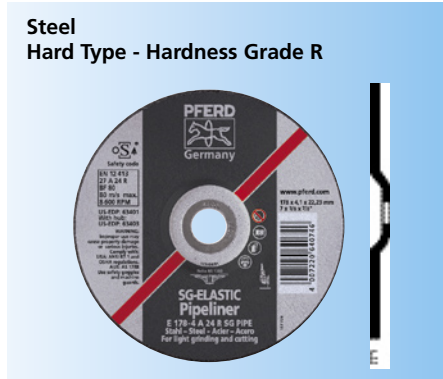
Reinforced Grinding Wheels

Depressed Center (Type 27) PIPELINER Performance Line SG-ELASTIC



Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - ZA - S SG - A - R
	General Purpose	
Low Power	Edge Grinding	

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - A - R - INOX
	General Purpose	
Low Power	Edge Grinding	



Special pipeliner wheel features long service life for reduced wheel changes, fast grinding and cutting and excellent edge-holding characteristics.

Abrasive: Aluminum Oxide

Workpiece Materials
Steel

Application
Weld finishing, edge grinding, root pass grinding

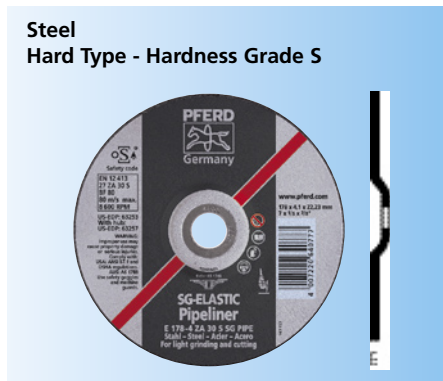
Recommendation for Use

Achieves optimum grinding results on high-powered angle grinders.

PFERD Specification Number
A 24 R SG PIPE

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4-1/2	1/8	4.1	7/8	63400	10	5/8-11	63405	10	13,300
5	1/8	4.1	7/8	63406	10	5/8-11	63407	10	12,200
6	1/8	4.1	7/8	63399	10	5/8-11	63408	10	10,200
7	1/8	4.1	7/8	63401	10	5/8-11	63403	10	8,600
9	1/8	4.1	7/8	63402	10	5/8-11	63404	10	6,600

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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 finishing, edge grinding, root pass grinding

Recommendation for Use

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

PFERD Specification Number
ZA 30 S SG PIPE

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4-1/2	1/8	4.1	7/8	63251	10	5/8-11	63255	10	13,300
5	1/8	4.1	7/8	63252	10	5/8-11	63256	10	12,200
7	1/8	4.1	7/8	63253	10	5/8-11	63257	10	8,600
9	1/8	4.1	7/8	63254	10	5/8-11	63258	10	6,600

Reinforced Grinding Wheels

Depressed Center (Type 27) NOTCHING Performance Line SG-ELASTIC



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



Special pipeliner 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
INOX-rated NOTCHING wheels are excellent tools for light grinding and cutting of pipeliner root pass, weld and flame cut grinding, and all facets of steel and INOX metal production and fabrication.



Recommendation for Use
Provides optimum grinding results on high-powered angle grinders.

PFERD Specification Number
A 24 R SG-INOX NOTCHING

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



Reinforced Grinding Wheels

Saucer (Type 28) Performance Line SG-ELASTIC



Concave saucer-shape type 28 depressed center grinding wheels provide greater contact area to the workpiece. Because they require only a shallow work angle (15% or less), type 28 grinding wheels are ideal for comfortable grinding on flat, broad surfaces, and into corners.

PFERD type 28 wheels are heavily reinforced, and are an excellent choice for tough applications like beveling and edge grinding. Available in aluminum oxide and zirconia for steel, and silicon carbide for concrete and masonry.



Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - ZA - S
	General Purpose	
Low Power	Edge Grinding	SG - A - R

Cast Iron		
Power Tool	Application	Tool
Turbine High-frequency	Surface	SG - ZA - S
	General Purpose	
High Power	Edge Grinding	SG - C - Q

Masonry		
Power Tool	Application	Tool
High Power	Surface	SG - C - Q
	General Purpose	
Low Power	Edge Grinding	

Steel
Hard Type - Hardness Grade R



Long life saucer wheel for surface grinding, weld removal, deburring and edge grinding.

PFERD Specification Number
A 24 R SG

Abrasive: Aluminum Oxide

Workpiece Materials
Steel

Application
Grinding on flat, broad surfaces, and into corners

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
7	1/4	6.3	7/8	61701	10	5/8-11	61703	10	8,600
9	1/4	6.3	7/8	61702	10	5/8-11	61704	10	6,600

Reinforced Grinding Wheels

Saucer (Type 28) Performance Line SG-ELASTIC



Steel/Cast Iron
Hard Type - Hardness Grade S



Type 28 depressed center zirconia grinding wheel offering extended service life and fast removal rate.

Abrasive: Zirconia Alumina

Workpiece Materials

Steel, cast iron

Application

Grinding on flat, broad surfaces, and into corners

Recommendation for Use

For use on powerful angle grinders

PFERD Specification Number

ZA 30 S SG



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
7	1/4	6.3	7/8	61710	10	5/8-11	61714	10	8,600
9	1/4	6.3	7/8	61712	10	5/8-11	61716	10	6,600

Cast Iron/Stone/Masonry
Soft Type - Hardness Grade Q



Special wheel for heavy-duty use showing excellent service life.

PFERD Specification Number

C 24 Q SG

Abrasive: Silicon Carbide

Workpiece Materials

Masonry, concrete, stone, gray cast-iron, and nodular cast-iron

Application

Grinding on flat, broad surfaces, and into corners

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
7	1/4	6.3	7/8	61705	10	5/8-11	61707	10	8,600
9	1/4	6.3	7/8	61706	10	5/8-11	61708	10	6,600

Cup Wheels

Flared (Type 11) Performance Line SG-ELASTIC



Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - ZA - Q
	General Purpose	
Low Power	Edge Grinding	SG - A - Q

Cast Iron		
Power Tool	Application	Tool
Turbine High-frequency	Surface	SG - ZA - Q
	General Purpose	
High Power	Edge Grinding	SG - A - Q

Masonry		
Power Tool	Application	Tool
High Power	Surface	SG - C - Q
	General Purpose	
Low Power	Edge Grinding	

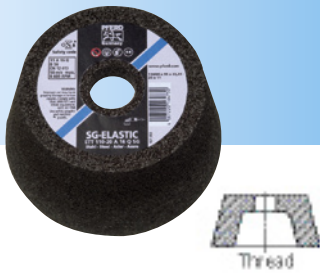


Type 11 flaring cup wheels are commonly used in grinding and snagging operations, especially in foundries on right angle grinders for removing gates, risers and parting lines from castings.

Type 11 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 material removal for offhand grinding. Remove 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 (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Threaded Arbor Hole			Max. RPM
			Thread	EDP Number		
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
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

Cup Wheels

Flared (Type 11) Performance Line SG-ELASTIC



Steel/Cast Iron
Soft Type - Hardness Grade Q



Zirconia type 11 cups offer longest life and best performance for the toughest applications, outlasting aluminum oxide by more than 2 to 1.

PFERD Specification Number
ZA 16 Q SG

Abrasive: Zirconia Alumina

Workpiece Materials

Steel, cast iron

Application

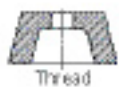
Weld finishing, edge grinding

Recommendation for Use

Optimum results are obtained with high-powered angle grinders.

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Threaded Arbor Hole			Max. RPM
			Thread	EDP Number		
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
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

Masonry
Soft Type - Hardness Grade Q



Tough and sharp silicon carbide grain type 11 cups for surface grinding.

Abrasive: Silicon Carbide

Workpiece Materials

Natural and synthetic masonry

Application

Wet grinding, dry grinding

PFERD Specification Number

C 16 Q SG



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Threaded Arbor Hole			Max. RPM
			Thread	EDP Number		
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
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

Ring Wheels

Flat (Type 1) Performance Line SG-ELASTIC

Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - A - M
	General Purpose	
Low Power	Edge Grinding	

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Surface	SG - A - M
	General Purpose	
Low Power	Edge Grinding	

Cast Iron		
Power Tool	Application	Tool
Turbine High-frequency	Surface	SG - A - M
	General Purpose	
High Power	Edge Grinding	



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

Type 1 wheels for snagging and grinding (use with arbors listed on page 23).

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



PFERD Specification Number

A 24 M SG

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	Grit	EDP Number		Max. RPM
2	1/4	6.3	3/8	24	69236	25	30,000
3	1/8	4.1	1/4	24	69330	25	23,000
3	1/8	4.1	1/4	36	69331	25	23,000
3	1/8	4.1	3/8	24	69332	25	23,000
3	1/8	4.1	3/8	36	69333	25	23,000
3	1/4	6.3	1/4	24	69334	25	23,000
3	1/4	6.3	1/4	36	69335	25	23,000
3	1/4	6.3	3/8	24	69336	25	23,000
3	1/4	6.3	3/8	36	69337	25	23,000
3	3/8	10.0	1/4	24	69338	20	18,000
3	3/8	10.0	1/4	36	69339	20	18,000
3	3/8	10.0	3/8	24	69340	20	18,000
3	3/8	10.0	3/8	36	69341	20	18,000
3	1/2	13.0	3/8	24	69344	15	18,000

Ring Wheels

Flat (Type 1) Performance Line SG-ELASTIC

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	Grit	EDP Number		Max. RPM
4	1/8	4.1	3/8	24	69432	25	19,000
4	1/4	6.3	3/8	24	69446	25	19,000
4	1/4	6.3	3/8	36	69447	25	19,000
4	1/2	13.0	3/8	24	69442	15	13,500

Ductile

3	1/8	4.1	3/8	24	69353	25	23,000
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Mandrels

Mandrels for Ring Wheels



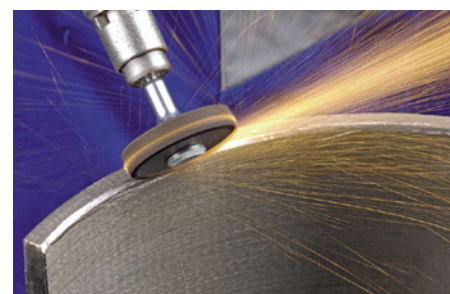
Accessory for mounting ring wheels on straight grinders.

Recommendation for Use

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

PFERD Specification Number

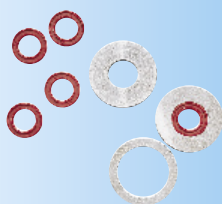
M-SG



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

Plastic Bushings

Plastic Bushings



PFERD Specification Number

RBP

Diameter (Inches)	EDP Number	
1-1/2 to 1-1/4	69001	1
1-1/4 to 1	69007	1
1-1/8 to 1	69008	1
1 to 7/8	69003	1
1 to 20 mm	69004	1
1 to 5/8	69005	1
7/8 to 5/8	69006	1

Cones and Plugs



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 Materials 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

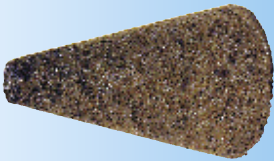
For horizontal and straight grinders

PFERD Specification Number

A 16 PSF

Diameter (Inches)	Length (Inches)	Threaded Arbor Hole			Max. RPM
		Thread	EDP Number		
1-1/2	2-1/2	3/8-24	61816	10	24,192
1-1/2	3	5/8-11	61820	10	24,192
1-3/4	3	5/8-11	61826	10	20,735
2	3	5/8-11	61829	10	18,144
2-3/4	3-1/2	5/8-11	61837	10	13,200

Steel/Ferrous Materials 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

A 17 PSF

Diameter (Inches)	Length (Inches)	Threaded Arbor Hole			Max. RPM
		Thread	EDP Number		
1-1/2x3/8	2-1/2	3/8-24	61850	10	24,192
1-1/2x3/8	2-1/2	5/8-11	61851	10	24,192
1-1/2x1/2	3	3/8-24	61854	10	24,192
1-1/2x1/2	3	5/8-11	61855	10	24,192
2-1/2	3	5/8-11	61859	10	18,144

Cones and Plugs

Universal Line PS-FORTE

Steel/Ferrous Materials Type 18



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
A 18 PSF

Diameter (Inches)	Length (Inches)	Threaded Arbor Hole			Max. RPM
		Thread	EDP Number		
1	2	3/8-24	61883	10	36,287
1-1/2	2-1/2	3/8-24	61884	10	24,192
1-1/2	2-1/2	5/8-11	61885	10	24,192
1-1/2	3	3/8-24	61888	10	24,192
1-1/2	3	5/8-11	61889	10	24,192
2	3	5/8-11	61893	10	18,144

Steel/Ferrous Materials Type 18R



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
A 18R PSF

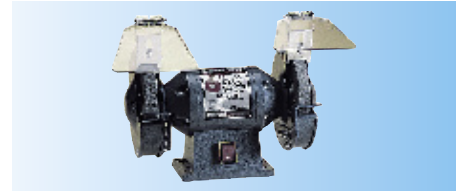
Diameter (Inches)	Length (Inches)	Threaded Arbor Hole			Max. RPM
		Thread	EDP Number		
1-1/2	2-1/2	3/8-24	61927	10	24,192
1-1/2	2-1/2	5/8-11	61928	10	24,192
1-1/2	3	3/8-24	61931	10	24,192
1-1/2	3	5/8-11	61932	10	24,192
2	3	5/8-11	61936	10	18,144

Bench Wheels

Flat (Type 1) Universal Line PS-FORTE

PFERD bench grinding wheels are offered in aluminum oxide and in green silicon carbide in a wide selection of sizes and grits. 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. Refer to safety information on page 4 of this catalog. Before mounting, read the tip sheet that ships with PFERD bench grinding wheels for optimal safety and performance.



**Steel/Ferrous Materials
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

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Diameter (Inches)	Thickness Nominal (Inches)	Bore (Inches)	Grit	EDP Number		Max. RPM
6	1	1	24	61743	1	4,140
6	1	1	36	61744	1	4,140
6	1	1	46	61745	1	4,140
6	1	1	60	61746	1	4,140
6	1	1	80	61747	1	4,140
6	1/2	1	36	61734	1	4,140
6	1/2	1	60	61736	1	4,140
6	3/4	1	24	61738	1	4,140
6	3/4	1	36	61739	1	4,140
6	3/4	1	46	61740	1	4,140
6	3/4	1	60	61741	1	4,140
6	3/4	1	80	61742	1	4,140
7	3/4	1	36	61749	1	3,600
7	3/4	1	60	61751	1	3,600
7	1	1	24	61753	1	3,600
7	1	1	36	61754	1	3,600
7	1	1	46	61755	1	3,600
7	1	1	60	61756	1	3,600
7	1	1	80	61757	1	3,600
8	1	1-1/4	24	61763	1	3,600
8	1	1-1/4	36	61764	1	3,600
8	1	1-1/4	46	61765	1	3,600

Bench Wheels

Flat (Type 1) Universal Line PS-FORTE

Diameter (Inches)	Thickness Nominal (Inches)	Bore (Inches)	Grit	EDP Number		Max. RPM
8	1	1-1/4	60	61766	1	3,600
8	1	1-1/4	80	61767	1	3,600
10	1	1-1/4	24	61768	1	2,485
10	1	1-1/4	36	61769	1	2,485
10	1	1-1/4	46	61770	1	2,485
10	1	1-1/4	60	61771	1	2,485
10	1	1-1/4	80	61772	1	2,485
10	1-1/2	1-1/4	24	61773	1	2,485
10	1-1/2	1-1/4	36	61774	1	2,485
10	1-1/2	1-1/4	60	61776	1	2,485
12	2	1-1/2	24	61778	1	2,070
12	2	1-1/2	36	61779	1	2,070
12	2	1-1/2	46	61780	1	2,070
12	2	1-1/2	60	61781	1	2,070
14	2	1-1/2	24	61782	1	1,800
14	2	1-1/2	36	61783	1	1,800
14	2	1-1/2	60	61784	1	1,800

Carbide/Non-ferrous Materials/Masonry Silicon Carbide



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 (Inches)	Thickness Nominal (Inches)	Bore (Inches)	Grit	EDP Number		Max. RPM
6	3/4	1	60	61785	1	4,140
6	3/4	1	80	61786	1	4,140
6	3/4	1	120	61787	1	4,140
6	1	1	60	61788	1	4,140
6	1	1	80	61789	1	4,140
6	1	1	120	61790	1	4,140
7	1	1	60	61791	1	3,600
7	1	1	80	61792	1	3,600

Flat (Type 1) Universal Line PS-FORTE

Diameter (Inches)	Thickness Nominal (Inches)	Bore (Inches)	Grit	EDP Number		Max. RPM
7	1	1	120	61793	1	3,600
8	1	1-1/4	60	61794	1	3,600
8	1	1-1/4	80	61795	1	3,600
8	1	1-1/4	120	61796	1	3,600
10	1	1-1/4	60	61797	1	2,485
10	1	1-1/4	80	61798	1	2,485
10	1	1-1/4	120	61799	1	2,485

Bench Grinder Bushings and Arbor Adapter Kit

Bench Grinder 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.

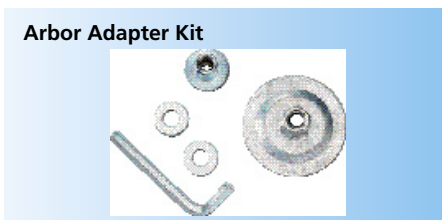
PFERD Specification Number
RBB

Recommendation for Use

CAUTION: Smaller spindles frequently run at higher RPMs.
Never exceed maximum RPM listed on wheel labels.

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

Arbor 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 and Hand Rubs

Floor and Hand Rubs

PFERD 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



PFERD 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



PFERD 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

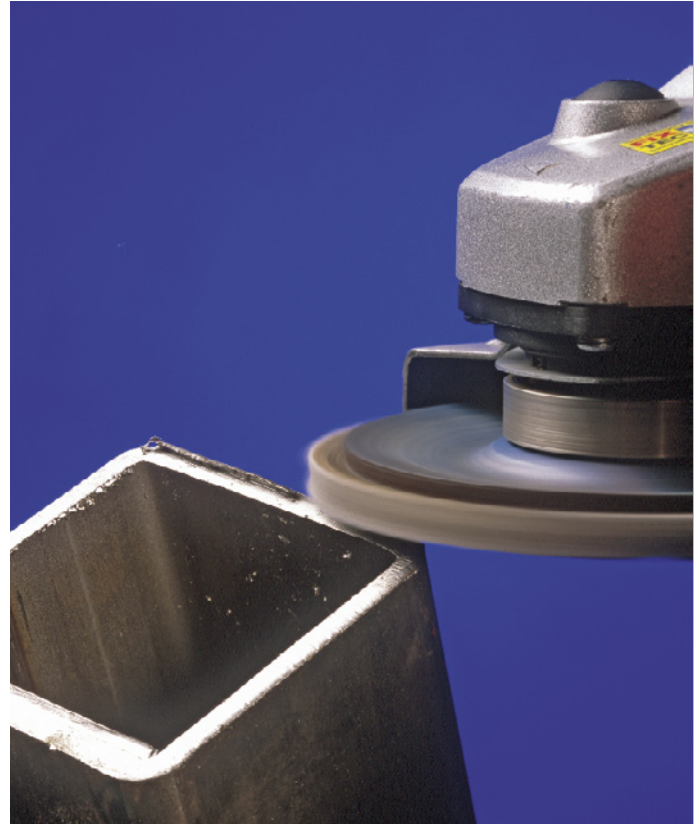
Available in various sizes, with or without handles.

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

POLIFAN® Flap Discs



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POLIFAN® Flap Discs

Product Lines, Product Categories

For the wide variety of abrasive grinding applications in industry and trades PFERD offers three types of POLIFAN® flap discs with their proven color coding system:



Universal Line PS-FORTE

For general purpose use in industry, trades and DIY use.



Performance Line SG-ELASTIC

Broadest range for professional use in industry and trades.



Special/ High-Performance Line SG-PLUS

Designed for special industrial applications.

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

The wide range of high-grade abrasive flap 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.

Our POLIFAN®-COOL product line comprises professional tools noted for their effective prevention of heat build-up on stainless steels.

Recommended POLIFAN® flap discs for the retail trade are the universal line PS-FORTE and the performance line SG-ELASTIC.

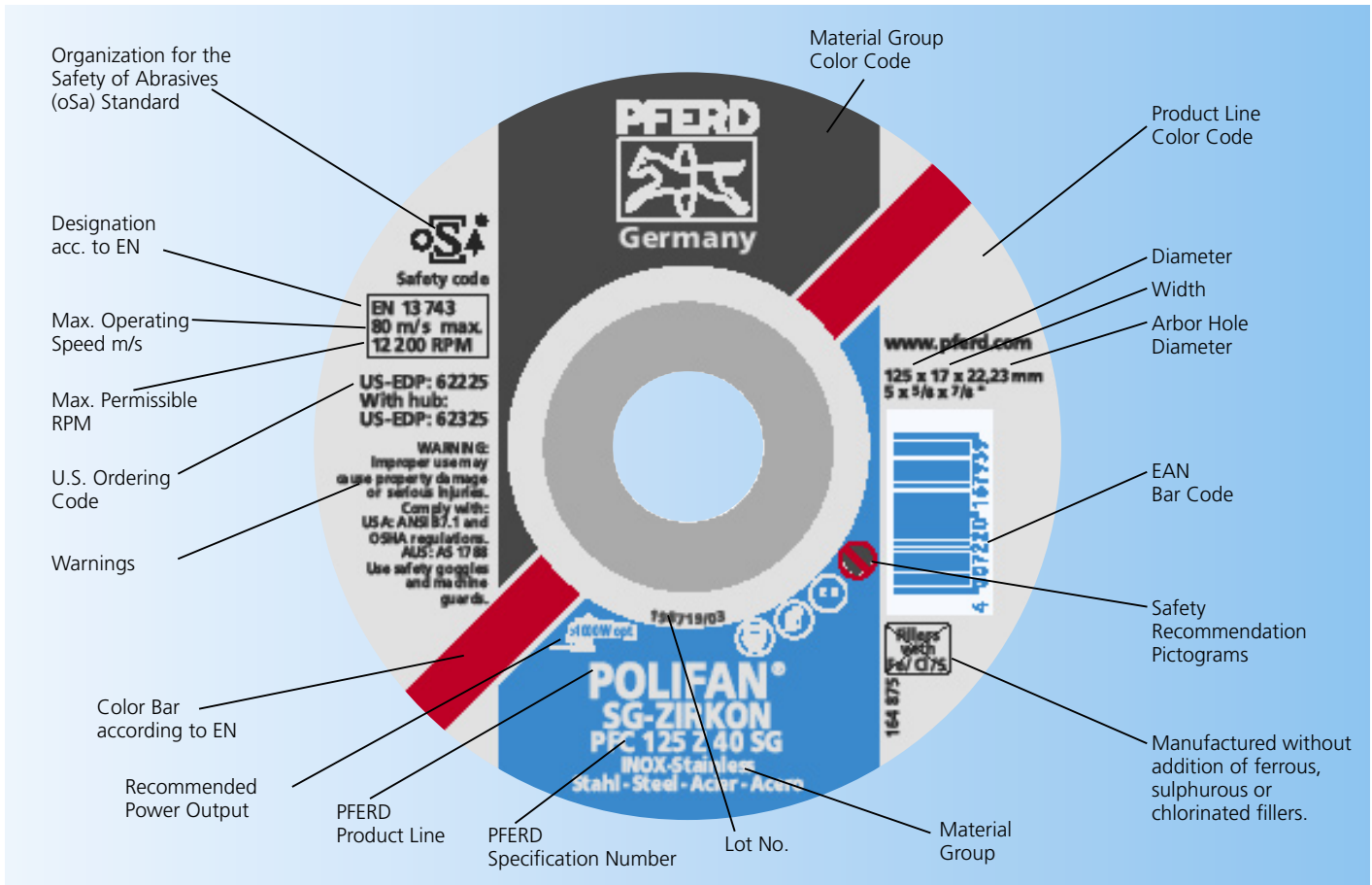
Special versions for customer-specific applications can be produced and supplied to order.

Product Categories

Material	Steels ↔ INOX (Stainless)							Aluminum	Masonry	Wood/Plastics/ Other materials
 Universal Line PS-FORTE										
 Performance Line SG-ELASTIC										
 Special/High-Performance Line SG-PLUS										

POLIFAN® Flap Discs

Label Codes, Ordering Instructions, Color Coding System



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PFERD Specification Number
PFC 125 A 40 SG COOL
1 2 3 4 5

1 Disc Type and Shape

PFF = flat
PFC = conical



2 Dimension

Diameter (D₁) in mm

3 Abrasive

A = Aluminum Oxide
Z = Zirconia Alumina

4 PFERD Product Lines

PS-FORTE = Universal Line
SG-ELASTIC = Performance Line
SG-PLUS = Special/High-Performance Line

5 Available

POWER
SPECIAL
EXTRA
CORNER
COOL

Color Coding of the three Product Lines

Universal Line PS-FORTE	Performance Line SG-ELASTIC	Special/High-Performance Line SG-PLUS

Color Coding for the Recommended Materials to be Ground

Universal Line PS-FORTE		Performance Line SG-ELASTIC		Special/High-Performance Line SG-PLUS	
Material = Color	Page	Material = Color	Page	Material = Color	Page
Steel, INOX Black/Blue	33, 35	Steel, INOX Black/Blue	36-38	Steel, INOX Black/Blue	41-46
Alu., Non-ferr. Metals, INOX Silver/Blue	39-40	Alu., Non-ferr. Metals, INOX Silver/Blue	39-40	INOX Blue	45
Titan., Alu., Fiberglass, Plastics, Masonry/Green	40				

Note: Product code conforming to EN 13743.

POLIFAN® Flap Discs

Universal Line PS-FORTE

Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	PSF - ZIRKON PSF - A
	General Purpose	
Low Power	Edge Grinding	

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	PSF - ZIRKON PSF - A
	General Purpose	
Low Power	Edge Grinding	

Aluminum/Non-ferrous Metals (Tough, Hard)		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	PSF - A
	General Purpose	
Low Power	Edge Grinding	

Wood/Plastic/Other Materials		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	PSF - A
	General Purpose	
Low Power	Edge Grinding	

Metals/Plastics/Wood Type PSF-A



Versatile tool for multi-purpose grinding tasks. Suitable for angle grinders of all output categories. Offers aggressive grinding performance and long tool 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

Workpiece Materials

Metals, 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



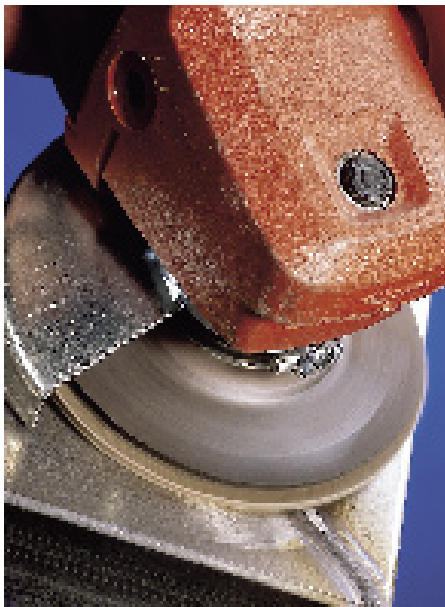
Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4-1/2	5/8	16	40	7/8	62009	10	5/8-11	62028	10	13,300
4-1/2	5/8	15	60	7/8	62010	10	5/8-11	62029	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

Universal Line PS-FORTE

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
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
7	9/16	14	80	7/8	62059	10	5/8-11	62078	10	8,600



POLIFAN® Flap Discs

Universal Line PS-FORTE

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



General purpose type for multipurpose, demanding grinding applications.

Abrasive: Zirconia Alumina

Grit sizes: 40, 60, 80

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

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 (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
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

Performance Line SG-ELASTIC

Steels		
Power Tool	Application	Tool
High Power	Surface, Weld Seam, General Purpose	SG - ZIRKON SG - A
	Edge Grinding	SG - ZIRKON
Low Power	Surface, Weld Seam, General Purpose	SG - ZIRKON SG - A
	Edge Grinding	

Aluminum/Non-ferrous Metals (Tough, Hard)		
Power Tool	Application	Tool
High Power	Surface, Weld Seam, General Purpose	SG - A
	Edge Grinding	
	Cool Grinding	SG - A - COOL
Low Power	Surface, Weld Seam, General Purpose	SG - A
	Edge Grinding	
	Cool Grinding	SG - A - COOL

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Surface, Weld Seam, General Purpose	SG - ZIRKON SG - A
	Edge Grinding	SG - ZIRKON
	Cool Grinding	SG - A - COOL
Low Power	Surface, Weld Seam, General Purpose	SG - ZIRKON SG - A
	Edge Grinding	
	Cool Grinding	SG - A - COOL

Masonry/Wood/Plastics/Other Materials		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SG - A SG - SiC
	General Purpose	
Low Power	Edge Grinding	

Metals/Plastics/Wood Type SG-A



Special type 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

Workpiece Materials

Metals, 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 (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4	5/8	15	40	5/8	62140	10	-	-	-	15,300
4	5/8	15	60	5/8	62142	10	-	-	-	15,300
4	9/16	14	80	5/8	62144	10	-	-	-	15,300
4	1/2	13	120	5/8	62146	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

POLIFAN® Flap Discs

Performance Line SG-ELASTIC

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
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



Performance Line SG-ELASTIC

Steel/Stainless Steel (INOX) Type SG-ZIRKON



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

Abrasive: Zirconia Alumina

Grit sizes: 24, 40, 60

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

Workpiece Materials

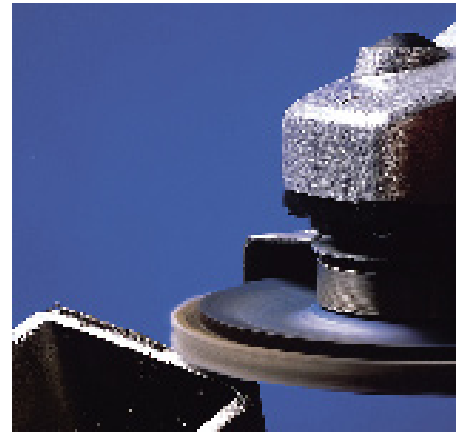
Steel, stainless steel (INOX)

Application

Weld dressing, 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 (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4	5/8	15	40	5/8	62138	10	-	-	-	15,300
4	5/8	15	60	5/8	62139	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	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	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	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	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	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	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

Performance Line SG-ELASTIC

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



Unique flap disc with particularly cool grinding features on materials with poor thermal conductivity. Excels at grinding applications which require high-grade surface finish and low thermal stress.

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

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 on variable-speed angle grinders at low RPM levels. Performs exceptionally well on sheet metal and thin sectional material.



PFERD Specification Number

SG-A-COOL

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
4	5/8	15	40	5/8	62354	10	-	-	-	15,300
4	9/16	14	60	5/8	62355	10	-	-	-	15,300
4	9/16	14	80	5/8	62356	10	-	-	-	15,300
4	9/16	14	120	5/8	62357	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	62224	10	13,300

Performance Line SG-ELASTIC

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
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

Titanium, Aluminum, Fiberglass, Plastics, Masonry Type SG-SIC



Professional tool 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

PFERD Specification Number
SG-SIC



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Flat (PFF - Type 27)										
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	3/4	18	40	7/8	62128	10	5/8-11	62134	10	8,600
7	5/8	17	80	7/8	62129	10	5/8-11	62135	10	8,600

POLIFAN® Flap Discs

Special/High-Performance Line SG-PLUS

Steels		INOX (Stainless)
Power Tool	Application	Tool
Turbine High-frequency	Surface, Weld Seam, General Purpose	SGP-ZIRKON-POWER
	Edge Grinding	
High Power	Surface, Weld Seam, General Purpose	SGP-ZIRKON-SPECIAL SGP-ZIRKON-EXTRA SGP-A-EXTRA
	Fillet Weld	SGP-ZIRKON-CORNER SGP-A-CORNER
	Edge Grinding	SGP-ZIRKON-POWER
	Cool Grinding	SGP-ZIRKON-COOL SGP-CO-COOL

Wood/Plastic/General Use		
Power Tool	Application	Tool
High Power	Surface, Weld Seam	SGP-A-EXTRA
	General Purpose	
Low Power	Edge Grinding	

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



Special flap disc for demanding grinding applications on surfaces and weld seams. Specialized zirconia material provides high stock removal rate and long service life with reduced risk of glazing.

Abrasive: Zirconia Alumina

Grit sizes: 24, 40, 60, 80

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

Workpiece Materials

Steel, stainless steel (INOX)

Application

Surface grinding, weld dressing

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 optimum grinding results.

PFERD Specification Number

SGP-Z-SPECIAL





Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		

Flat (PFF - Type 27)

4	5/8	15	40	5/8	62331	10	-	-	-	15,300
4	9/16	14	60	5/8	62332	10	-	-	-	15,300
4	9/16	14	80	5/8	62333	10	-	-	-	15,300
4-1/2	5/8	17	40	7/8	62334	10	5/8-11	62344	10	13,300
4-1/2	5/8	16	60	7/8	62335	10	5/8-11	62345	10	13,300
4-1/2	3/4	18	80	7/8	62336	10	5/8-11	62346	10	13,300
5	5/8	17	40	7/8	62337	10	5/8-11	62347	10	12,200
5	5/8	16	60	7/8	62338	10	5/8-11	62348	10	12,200
5	3/4	19	80	7/8	62339	10	5/8-11	62349	10	12,200
7	3/4	18	24	7/8	62340	10	5/8-11	62350	10	8,600
7	5/8	17	40	7/8	62341	10	5/8-11	62351	10	8,600

Special/High-Performance Line SG-PLUS

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
7	5/8	16	60	7/8	62342	10	5/8-11	62352	10	8,600
7	5/8	17	80	7/8	62343	10	5/8-11	62353	10	8,600

Conical (PFC - Type 29)

4-1/2	5/8	17	40	7/8	62385	10	5/8-11	62395	10	13,300
4-1/2	5/8	17	60	7/8	62386	10	5/8-11	62396	10	13,300
4-1/2	5/8	16	80	7/8	62387	10	5/8-11	62397	10	13,300
5	5/8	17	40	7/8	62388	10	5/8-11	62398	10	12,200
5	5/8	17	60	7/8	62389	10	5/8-11	62399	10	12,200
5	5/8	16	80	7/8	62390	10	5/8-11	62400	10	12,200
7	3/4	19	24	7/8	62391	10	5/8-11	62317	10	8,600
7	5/8	17	40	7/8	62392	10	5/8-11	62318	10	8,600
7	5/8	17	60	7/8	62393	10	5/8-11	62319	10	8,600
7	5/8	16	80	7/8	62394	10	5/8-11	62320	10	8,600

Metals/Plastics/Wood Type SGP-A-EXTRA



Special purpose type features additional flaps for maximum service life and softer grinding action.

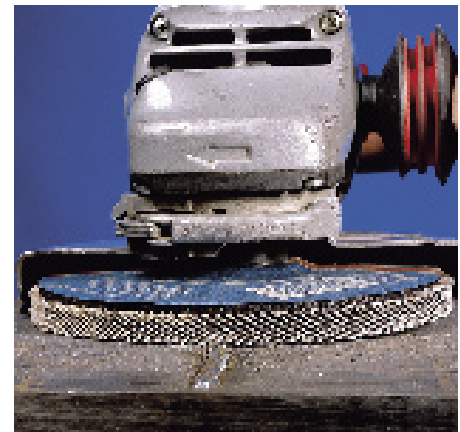
Abrasive: Aluminum Oxide
Grit sizes: 40, 60, 80, 120



Workpiece Materials
Metals, plastics, wood

Application
Surface grinding, edge finishing

Recommendation for Use
High density of abrasive elements calls for high-powered angle grinder to achieve optimum grinding results.

PFERD Specification Number
SGP-A-EXTRA



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		

Flat (PFF - Type 27)

4-1/2	13/16	21	40	7/8	62085	10	5/8-11	62105	10	12,200
4-1/2	3/4	19	60	7/8	62086	10	5/8-11	62106	10	12,200
4-1/2	3/4	18	80	7/8	62087	10	5/8-11	62107	10	12,200
4-1/2	3/4	18	120	7/8	62088	10	5/8-11	62108	10	12,200
7	13/16	21	40	7/8	62095	10	5/8-11	62115	10	8,600
7	13/16	21	60	7/8	62096	10	5/8-11	62116	10	8,600
7	3/4	19	80	7/8	62097	10	5/8-11	62117	10	8,600

POLIFAN® Flap Discs

Special/High-Performance Line SG-PLUS

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



Special zirconia type 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 (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (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



POLIFAN® Flap Discs

Special/High-Performance Line SG-PLUS

Steel/Stainless Steel (INOX)/ Aluminum/Non-ferrous Metals Type SGP-A-CORNER



Special purpose tool features extended flaps for flexible grinding action. Designed for grinding applications on difficult-to-access weld seams in fillets and angles.

Abrasive: Aluminum Oxide (Zirconia Alumina)
Grit size: 40

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

Application
Fillet weld finishing, angle grinding

Recommendation for Use

The special extended flaps adapt ideally to concave workpiece contours. Once the projecting part of each element is worn down, the tool performs like a normal flap wheel for surface and edge grinding.

PFERD Specification Number
SGP-A-CORNER

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Conical (PFC - Type 29)										
5	5/8	15	40	7/8	62865	10	5/8-11	62875	10	12,200

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



Special purpose tool features extended zirconia alumina flaps for flexible grinding action. Designed for grinding applications on difficult-to-access weld seams in fillets and angles.

Abrasive: Aluminum Oxide (Zirconia Alumina)
Grit size: 40

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

Application
Fillet weld finishing, angle grinding



Recommendation for Use

The special extended flaps adapt ideally to concave workpiece contours. Once the projecting part of each element is worn down, the tool performs like a normal flap wheel for surface and edge grinding.

PFERD Specification Number
SGP-Z-CORNER

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Conical (PFC - Type 29)										
5	5/8	15	40	7/8	62870	10	5/8-11	62880	10	12,200

POLIFAN® Flap Discs

Special/High-Performance Line SG-PLUS

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



With high power tools, ZIRKON-POWER provides unparalleled stock removal rates, longest service life, and maximum productivity. Wear resistant, aggressive top of the range type for grinding applications which require highest stock removal.

Abrasive: Zirconia Alumina
Grit size: 40

Workpiece Materials
Steel, stainless steel (INOX)

Application
Weld finishing, edge grinding

Recommendation for Use

Zirconia alumina is a high-performance abrasive medium. Best results are obtained on pneumatic turbine grinders and powerful high-frequency and electric angle grinders at medium application pressure.

PFERD Specification Number
SGP-Z-POWER

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
Conical (PFC - Type 29)										
4-1/2	5/8	17	40	7/8	62884	10	5/8-11	62894	10	13,300
5	5/8	17	40	7/8	62885	10	5/8-11	62895	10	12,200
7	3/4	19	40	7/8	62886	10	5/8-11	62896	10	8,600

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



Unique flap disc with particularly cool grinding features, aggressive stock removal and high productivity. Specialized for extremely demanding grinding applications in combination with low thermal stress.

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

Workpiece Materials
Steel, 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 workpieces at medium working pressures with a high-powered angle grinder.

PFERD Specification Number
SGP-Z-COOL

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (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

Special/High-Performance Line SG-PLUS

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (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

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



A special tool 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 cost efficiency.

Abrasive: Ceramic Grain CO-COOL
Grit size: 40

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

PFERD Specification Number
SGP-CO-COOL



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (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
5	3/4	18	40	7/8	62603	10	5/8-11	62627	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
5	3/4	18	40	7/8	62657	10	5/8-11	62681	10	12,200
7	13/16	20	40	7/8	62669	10	5/8-11	62693	10	8,600

Textile Wheels

Depressed Center (Type 27) Performance Line SG-ELASTIC



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

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

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

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

INOX Type SG TX-INOX



TX-INOX for stainless 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

Application

For surface grinding, weld removal, deburring and edge grinding

PFERD Specification Number

A36/54-SG-TX-INOX

Workpiece Materials

INOX

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
3	1/4	6.3	36	3/8	61406	10	-	-	-	20,900
3	1/4	6.3	54	3/8	61407	10	-	-	-	20,900
4	1/4	6.3	36	3/8	61415	10	-	-	-	15,300
4	1/4	6.3	54	3/8	61416	10	-	-	-	15,300
4	1/4	6.3	36	5/8	61424	10	-	-	-	15,300
4	1/4	6.3	54	5/8	61425	10	-	-	-	15,300
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

Aluminum Type SG TX-ALU



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

PFERD Specification Number

A24/54-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 (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
3	1/4	6.3	24	3/8	61314	10	-	-	-	20,900
4	1/4	6.3	24	3/8	61320	10	-	-	-	15,300
4	1/4	6.3	24	5/8	61326	10	-	-	-	15,300

Textile Wheels

Depressed Center (Type 27)/Flat (Type 1) Performance Line SG-ELASTIC



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
				Bore (Inches)	EDP Number		Thread	EDP Number		
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

INOX Type SG TXF-INOX



TX-FLEX-INOX discs offer the flexibility of a coated fiber 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

Workpiece Materials

INOX

Application

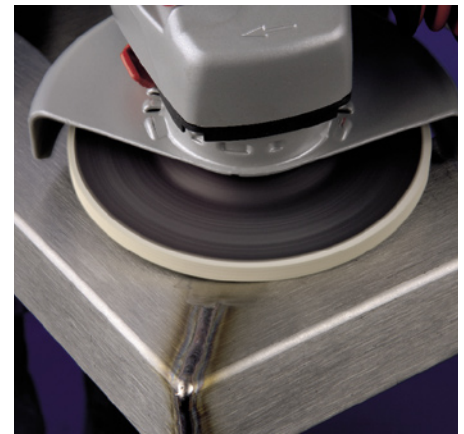
Blending and finishing


Recommendation for Use

Note: 7" disc must be run with backing pad shown on page 49.

PFERD Specification Number

A24/36-SG-TXF-INOX



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	Grit	EDP Number		Max. RPM
4-1/2	1/8	3	7/8	24	61972	10	13,300
4-1/2	1/8	3	7/8	36	61973	10	13,300
4-1/2	1/8	3	7/8	60	61974	10	13,300
4-1/2	1/8	3	7/8	80	61975	10	13,300
7	1/8	3	7/8	24	61976	10	8,600
7	1/8	3	7/8	36	61977	10	8,600
7	1/8	3	7/8	60	91678	10	8,600
7	1/8	3	7/8	80	61979	10	8,600

Textile Wheels

Flat (Type 1) Performance Line SG-ELASTIC



Aluminum Type SG TXF-ALU



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

Recommendation for Use

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

PFERD Specification Number

A24/36/60/80-SG-TXF-ALU

Abrasive: Aluminum Oxide

Grit size: 24, 36, 60

Workpiece Materials

Aluminum

Application

Blending and finishing

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	Grit	EDP Number		Max. RPM
4-1/2	1/8	3	7/8	24	61988	10	13,300
4-1/2	1/8	3	7/8	36	61989	10	13,300
4-1/2	1/8	3	7/8	60	61990	10	13,300
7	1/8	3	7/8	24	61991	10	8,600
7	1/8	3	7/8	36	61992	10	8,600
7	1/8	3	7/8	60	61993	10	8,600

Backing Pad for TX-FLEX

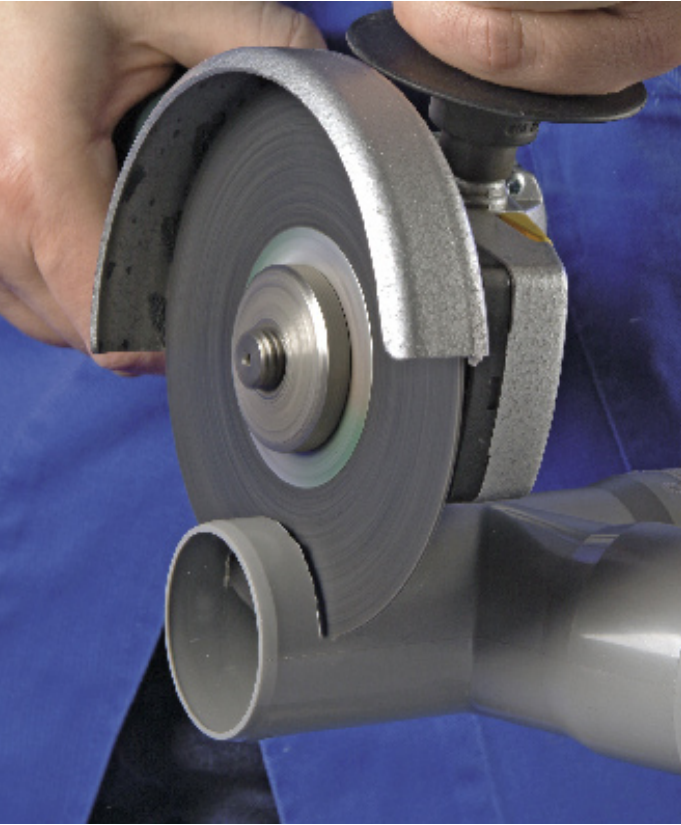


Backing pad for textile wheels TX-FLEX.

PFERD Specification Number

PE-GT

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



Cut-Off Wheels

Product Lines, Product Categories

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



Universal Line PS-FORTE

For general-purpose use in industry, trades and DIY use.

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

Recommended reinforced cut-off wheels for the retail trade are the universal line PS-FORTE and the performance line SG-ELASTIC.



Performance Line SG-ELASTIC










Broadest range for professional use in industry and trades.



Special/ High-Performance Line SG-PLUS

Designed for special industrial applications.

Product Categories

Material	Steels	INOX (Stainless)	Cast Iron	Masonry	Aluminum
 Universal Line PS-FORTE	 PSF-A-P				
 Performance Line SG-ELASTIC	 SG-A-S	 SG-A-R-INOX		 SG-C-R	 SG-A-N-ALU
 Special/High-Performance Line SG-PLUS	 SGP-A-T	 SGP-A-S-INOX	 SGP-ZA-Q-INOX-CASTING		

Cut-Off Wheels

Demands on the Modern Cut-Off Wheel

Thin Cut-Off Wheels: Fast, Aggressive and Convenient



The PFERD range of thin abrasive cut-off wheels responds to today's application trends and has been universally acclaimed.

Unsurpassed stock removal, operator friendly manual control, straight cuts without wheel runout, and minimum burr formation are the hallmarks of these .030, .032, .040, .045" wide wheels.

Apart from their impressive technical features, these PFERD products are noted for their outstanding cost-efficiency and productivity, specifically in cutting thin sheet metal and thin-walled sections.



Cut-Off Wheels for Use on Stainless Steel



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

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

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

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



Cut-Off Wheels for Difficult Applications



Abrasive cut-off wheels are often used under difficult conditions.

They must provide high lateral stability and stiffness, whether during removal of risers and sprues in the foundry or in performing deep cuts in solid or sectional material.

PFERD cut-off wheels offer superior strength and come in widths up to 1/8" for maximum load and fracture resistance.

Operating safety can be enhanced by using large mounting flanges (3" dia., see page 65), specifically when working with air turbine grinders and powerful high-frequency machines.



Cut-Off Wheels

Label Codes, Ordering Instructions, Color Coding System

PFERD Specification Number

EHT125-2,4 A 46 R SG-INOX
1 2 3 4 5 6 7 8

1 Cut-Off Wheel Type and Shape

EHT = Flat Type
 EH = Depressed Center Type

2 Dimension

Diameter (D_i) in mm

3 Wheel Thickness

Thickness (B) in mm

4 Grit Type

A = Aluminum Oxide
 C = Silicon Carbide
 ZA = Zirconia Alumina, Aluminum Oxide
 AC = Aluminum Oxide, Silicon Carbide

5 Grit Size

In Mesh according to FEPA scale.

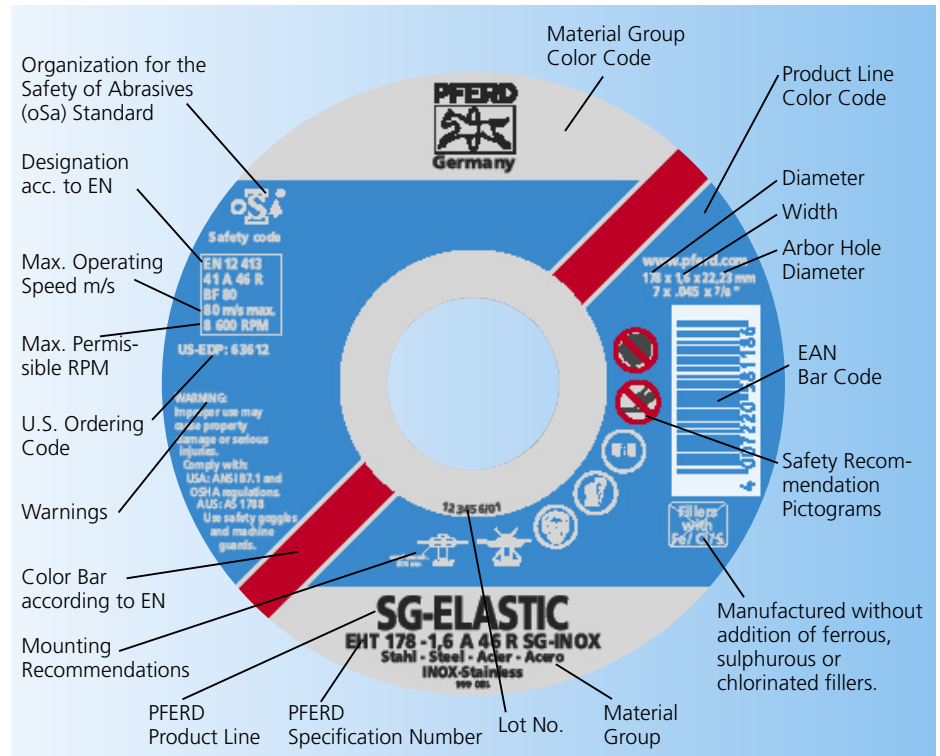
6 Grade (Wheel Properties)

N, P, Q, R, S, T

7 PFERD Product Lines

Universal Line PS-FORTE
 Performance Line SG-ELASTIC
 Special/High-Performance Line SG-PLUS

8 Material Group



Designation according to EN 12413

41 A 46 R BF 80
1 2 3 4 5 6

1 Wheel Type and Shape

41 = Cut-Off Wheel, Flat Type
 42 = Cut-Off Wheel, Depressed Center Type

2 Abrasive Type Code

A = Aluminum Oxide
 C = Silicon Carbide
 Z = Zirconia Alumina Grain

3 Grit Size

In Mesh according to FEPA scale.

4 Grade (Wheel Properties)

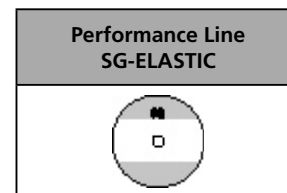
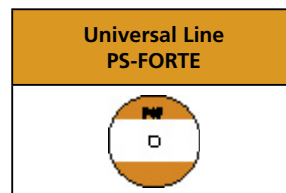
The hardness is graded from soft to hard by means of letters in ascending alphabetical order (A to Z).

5 Bond

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

6 Maximum Operating Speed in m/s

Color Coding of the three Product Lines



Color Coding for the Recommended Materials to be Ground

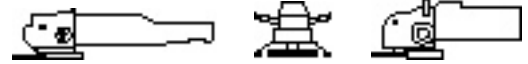
Universal Line PS-FORTE	
Material = Color	Page
Steel Black	61, 62

Performance Line SG-ELASTIC	
Material = Color	Page
Steel Black	54, 56 66, 70
INOX (Stainless) Blue/Nuclear	54, 57 63, 67
Masonry Green	58, 68 71
Non-ferrous Metals, Alu Silver	58, 67

Special/High-Performance Line SG-PLUS	
Material = Color	Page
Steel Black	59, 69
INOX (Stainless) Blue	55, 60 64, 69
INOX (Stainless) Castings Blue/Red	60

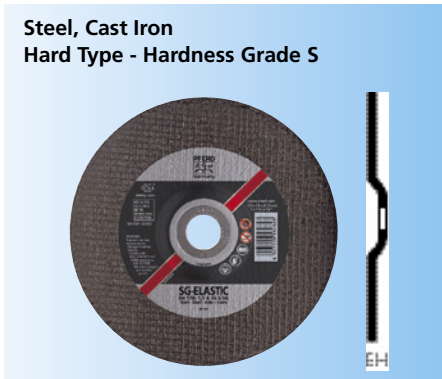
Cut-Off Wheels

Thin Cut-Off Wheels – Depressed Center (Type 27) Performance Line SG-ELASTIC



Steels		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SG - A - S 1.9
	General Purpose	
Low Power	Sheet Metal	SG - A - S 1.6

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SG - A - R - INOX 1.6
	General Purpose	
Low Power	Sheet Metal	



Steel, Cast Iron
Hard Type - Hardness Grade S

Performance tool suitable for angle grinders of all output categories. Characterized by aggressive cutting action and long tool life. Thin cut-off wheels provide fast and convenient cutting while minimizing burr formation.

Application

Cutting of sheet metal, sections, and solid material

PFERD Specification Number
A 46 S SG

Abrasive: Aluminum Oxide

Workpiece Materials
Steel, cast iron

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		
4-1/2	.045	1.6	7/8	63162	25	13,300
5	.045	1.6	7/8	63163	25	12,200
6	.045	1.6	7/8	63164	25	10,200
7	.045	1.9	7/8	63165	25	8,600



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

High value, special cut-off wheel for stainless steel and high temperature alloys. Smooth, fast cutting action is achieved with minimal contact pressure.

Application

For cutting sheet metal, sections, and solid material

PFERD Specification Number
A 46 R SG-INOX

Abrasive: Aluminum Oxide

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

Workpiece Materials
Stainless steel (INOX)

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		
4-1/2	.045	1.6	7/8	63167	25	13,300
5	.045	1.6	7/8	63168	25	12,200
6	.045	1.6	7/8	63169	25	10,200
7	.045	1.6	7/8	63170	25	8,600

Cut-Off Wheels

Thin Cut-Off Wheels – Depressed Center (Type 27) Special/High-Performance Line SG-PLUS



INOX (Stainless)		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SGP - A - S - INOX 1.6
	General Purpose	SGP - A - S - INOX 0.8
Low Power	Sheet Metal	

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



Superior thin cut-off wheel for maximum performance. Smooth, cool, fast cutting action, extremely long service life and effortless cutting with minimal contact pressure.

Abrasive: Aluminum Oxide

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

Workpiece Materials

Stainless steel (INOX)

Application

Cutting of sheet metal, sections, and solid material

PFERD Specification Number

A 46 S SGP-INOX



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		
4-1/2	.030	0.8	7/8	63157	25	13,300
5	.030	0.8	7/8	63158	25	12,200
4-1/2	.045	1.6	7/8	63172	25	13,300
5	.045	1.6	7/8	63173	25	12,200
6	.045	1.6	7/8	63174	25	10,200
7	.045	1.6	7/8	63175	25	8,600

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.

Cut-Off Wheels



Depressed Center (Type 27) Performance Line SG-ELASTIC



PFERD cut-off wheels are engineered to provide excellent service life, and smooth, aggressive cutting action with a consistency level unmatched in the industry.

Manufactured with heavy duty fiberglass reinforcement for superior strength and lateral stability, PFERD cut-off wheels conform to U.S. and international safety standards.

Choose 3/32" and 1/8" PFERD cut-off wheels for all cut-off needs on steels, aluminum, stainless and alloys, as well as a selection for masonry products. 3/32" provide an excellent balance of fast cutting rates with long service life.

1/8" thick wheels provide maximum service life, durability and lateral stability with good cutting performance.

PFERD INOX cut-off wheels are designed specifically for use on stainless steels and high temperature alloys. INOX wheels are manufactured without the use of iron, sulphur or chlorinated fillers, and will not contaminate stainless steel. Constructed with heavy duty fiberglass reinforcement for superior strength and lateral stability. INOX-rated wheels are designed for cool, smooth and fast cutting.

Heat generated during the cutting process can cause thermal overloading, color distortion and structural damage to stainless steels. PFERD INOX wheels cut faster than non-INOX wheels to minimize cutting time, and therefore reduce heat generation.

3/32" will provide fastest cutting rates, while 1/8" thick wheels will provide good cutting performance with maximum tool life and durability.

Steels		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SG - A - S 3.2
	General Purpose	
Low Power	Sheet Metal	SG - A - S 2.4

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SG - A - R - INOX 3.2
	General Purpose	
Low Power	Sheet Metal	SG - A - R - INOX 2.4

Aluminum/Non-ferrous Metals (Tough, Hard)		
Power Tool	Application	Tool
High Power	Solid Material / Sections	SG - A - N - ALU 2.9
	General Purpose	
Low Power	Sheet Metal	SG - A - N - ALU 2.4

Masonry		
Power Tool	Application	Tool
High Power	Hard Material	SG - C - R 3.2
	General Purpose	
Low Power	Soft, Abrasive Materials	SG - C - R 2.4

Steel, Cast Iron
Hard Type - Hardness Grade S



Performance depressed center cut-off wheels for universal cutting use.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel, cast iron

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

Use 3.2/3.0/2.4 mm gauge cut-off wheels for maximum tool life and high lateral stability.

PFERD Specification Number

A 24/30 S SG

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4	3/32	2.4	5/8	63102	25	-	-	-	15,300
4	1/8	3.2	3/8	63101	25	-	-	-	15,200
4-1/2	3/32	2.4	7/8	63103	25	5/8-11	63114	10	13,300
4-1/2	1/8	3.2	7/8	63104	25	5/8-11	63115	10	13,300

Cut-Off Wheels

Depressed Center (Type 27) Performance Line SG-ELASTIC



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
5	3/32	2.4	7/8	63105	25	5/8-11	63116	10	12,200
5	1/8	3.2	7/8	63106	25	5/8-11	63117	10	12,200
6	1/8	3.0	7/8	63107	25	5/8-11	63119	10	10,200
7	1/8	3.2	7/8	63109	25	5/8-11	63112	10	8,600
9	1/8	3.2	7/8	63111	25	5/8-11	63113	10	6,600

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



Multipurpose tool for reduced heat build-up. Smooth cutting action and fast removal rates are 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 (for cutting sheet metal, sections, and solid material).

Recommendation for Use

Use 3.2/2.5/2.4 mm gauge cut-off wheels for maximum tool life and high lateral stability.

PFERD Specification Number

A 24/46 R SG-INOX



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4-1/2	3/32	2.4	7/8	63202	25	5/8-11	63212	10	13,300
4-1/2	1/8	3.2	7/8	63204	25	5/8-11	63213	10	13,300
5	3/32	2.4	7/8	63205	25	5/8-11	63214	10	12,200
5	1/8	3.2	7/8	63206	25	5/8-11	63215	10	12,200
7	3/32	2.5	7/8	63207	25	5/8-11	63210	10	8,600
9	3/32	2.5	7/8	63209	25	5/8-11	63211	10	6,600

Cut-Off Wheels



Depressed Center (Type 27) Performance Line SG-ELASTIC



Aluminum/Non-ferrous Metals
Soft Type - Hardness Grade N-ALU



Performance tool suitable for angle grinders of any output level.
Non-loading due to special formulation.

Abrasive: Aluminum Oxide

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

Recommendation for Use

Use 2.9/2.4 mm gauge cut-off wheels for maximum tool life and high lateral stability.

PFERD Specification Number

A 24/30 N SG-ALU

Workpiece Materials

Tough and hard aluminum, non-ferrous metals

Application

Cutting of sheet metal, sections, and solid material

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4-1/2	3/32	2.4	7/8	63131	25	5/8-11	63137	10	13,300
5	3/32	2.4	7/8	63133	25	5/8-11	63139	10	12,200
7	1/8	2.9	7/8	63135	25	5/8-11	63141	10	8,600
9	1/8	2.9	7/8	63136	25	5/8-11	63142	10	6,600

Masonry
Hard Type - Hardness Grade R



Performance tool for cutting solid material. Suitable for use on angle grinders of any output category.

PFERD Specification Number

C 24/30 R SG

Abrasive: Silicon Carbide

Workpiece Materials

Natural stone, synthetic stone, refractory brick

Application

For cutting solid material

Recommendation for Use

Use 3.2/3.0/2.4 mm gauge cut-off wheels for maximum tool life and high lateral stability.

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4-1/2	3/32	2.4	7/8	63302	25	5/8-11	63309	10	13,300
5	3/32	2.4	7/8	63303	25	5/8-11	63310	10	12,200
6	1/8	3.0	7/8	63304	25	5/8-11	63311	10	10,200
7	1/8	3.2	7/8	63305	25	5/8-11	63307	10	8,600
9	1/8	3.2	7/8	63306	25	5/8-11	63308	10	6,600

Cut-Off Wheels

Depressed Center (Type 27) Special/High-Performance Line SG-PLUS



Steels		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SGP - A - T 2.8
	General Purpose	
Low Power	Sheet Metal	SGP - A - T 2.4

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SGP - A - S - INOX 2.8
	General Purpose	
Low Power	Sheet Metal	SGP - A - S - INOX 2.2

INOX - Castings		
Power Tool	Application	Tool
Turbine High-frequency	Solid Material/ Sections	SGP - ZA - Q 2.9
High Power		

Steel
Very Hard Type - Hardness Grade T



Extremely resistant high-performance tool providing unsurpassed cutting performance and outstanding tool life.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel

Application

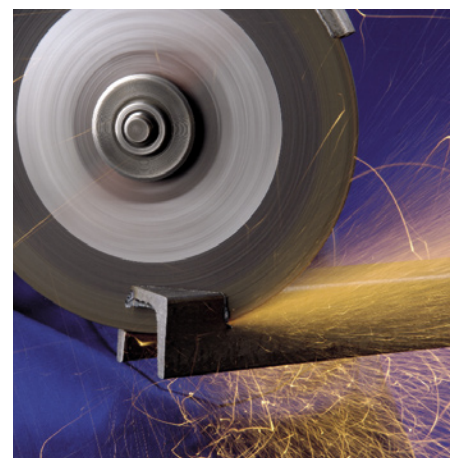
Cutting of sheet metal, sections, and solid material

Recommendation for Use

Wheels measuring 2.8 mm in thickness provide maximum tool life and high lateral stability. For all-around cutting applications, 2.4 mm gauge wheels give good results.

PFERD Specification Number

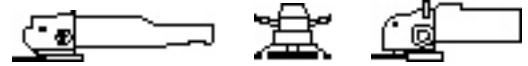
A 24/30 T SGP



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4-1/2	3/32	2.4	7/8	63118	25	5/8-11	63125	10	13,300
5	3/32	2.4	7/8	63120	25	5/8-11	63127	10	12,200
7	3/32	2.8	7/8	63123	25	5/8-11	63128	10	8,600
9	3/32	2.8	7/8	63124	25	5/8-11	63129	10	6,600

Cut-Off Wheels

Depressed Center (Type 27) Special/High-Performance Line SG-PLUS



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



Extremely resistant 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

The 2.8 mm gauge wheels are designed for maximum tool life and high lateral stability. For all-round cutting applications, 2.2 mm gauge wheels give good results.

PFERD Specification Number

A 24/46 S SGP-INOX

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
4-1/2	3/32	2.2	7/8	63231	25	5/8-11	63237	10	13,300
5	3/32	2.2	7/8	63233	25	5/8-11	63239	10	12,200
7	3/32	2.8	7/8	63235	25	5/8-11	63241	10	8,600
9	3/32	2.8	7/8	63236	25	5/8-11	63242	10	6,600

Stainless Steel (INOX) Casting
Soft Type - Hardness Grade Q-INOX-CASTING



Extremely resistant high-performance tool for cutting solid material. Aggressive grinding 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 2.9 mm wheel width for maximum tool life and high lateral stability. Preferably for use on pneumatic turbine grinders and powerful high-frequency or electric angle grinders.

PFERD Specification Number

ZA 24 Q SGP-INOX CASTING

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (Inches)	EDP Number		Thread	EDP Number		
9	1/8	2.9	7/8	63282	25	5/8-11	63288	25	6,600

Cut-Off Wheels

Die Grinder Wheels/Thin Cut-Off Wheels – Flat (Type 1) Universal Line PS-FORTE



PFERD thin cut-off wheels cut faster than conventional wheels, leaving a cleaner cut, with minimal burr.

Thin cut-off wheels are ideally suited for thin gauge sheet stock, thin walled tubing and small diameter cross sections. Material should always be cut at a right angle to the work piece. Larger workpieces require thicker PFERD cut-off wheels (listed on following pages) for improved lateral stability.

Usage Tip:

.040 recommended for use on sheet stock gauges 19 and higher.

.045 recommended for use on sheet stock gauges 14-18.

PFERD thin type 1 wheels are fully reinforced, and conform to U.S. safety standards as well as European safety standards which are more stringent than U.S. requirements.



Steels		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	PSF - A - P 2.0 PSF - A - P 1.6 PSF - A - P 1.0
	General Purpose	
Low Power	Sheet Metal	

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 (1.0/1.6 mm) provide fast and convenient cutting with minimized burr formation.

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 65.

PFERD Specification Number

A 46/60 P PSF

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	Grit	EDP Number		Max. RPM
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Die Grinder Wheels


2	.035	0.9	1/4	60	69201	50	30,000
2	.035	0.9	3/8	60	69203	50	30,000
2	1/16	1.6	1/4	36	69205	50	30,000
2	1/16	1.6	1/4	60	69207	50	30,000
2	1/16	1.6	3/8	36	69209	50	30,000
2	1/16	1.6	3/8	60	69211	50	30,000
2	1/8	3.2	3/8	36	69217	50	30,000
2-1/2	.035	0.9	1/4	60	69251	50	27,000
2-1/2	.035	0.9	3/8	60	69253	50	27,000
2-1/2	1/16	1.6	1/4	36	69259	50	27,000
2-1/2	1/16	1.6	1/4	60	69261	50	27,000
2-1/2	1/16	1.6	3/8	36	69255	50	27,000
2-1/2	1/16	1.6	3/8	60	69257	50	27,000
2-7/8	.035	0.8	3/8	60	69275	50	25,000

Cut-Off Wheels



Die Grinder Wheels/Thin Cut-Off Wheels – Flat (Type 1) Universal Line PS-FORTE



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	Grit	EDP Number		Max. RPM
Die Grinder Wheels							
2-7/8	1/16	1.6	3/8	36	69276	50	25,000
3	.035	0.9	1/4	60	69301	50	25,000
3	.035	0.9	3/8	60	69303	50	25,000
3	1/16	1.6	1/4	36	69305	50	25,000
3	1/16	1.6	1/4	60	69307	50	25,000
3	1/16	1.6	3/8	36	69309	50	25,000
3	1/16	1.6	3/8	60	69311	50	25,000
3	1/8	3.2	1/4	36	69313	50	25,000
3	1/8	3.2	1/4	60	69315	50	25,000
3	1/8	3.2	3/8	24	69316	50	25,000
3	1/8	3.2	3/8	36	69317	50	25,000
3	1/8	3.2	3/8	60	69319	50	25,000
4	.035	0.9	1/4	60	69401	50	19,000
4	.035	0.9	3/8	60	69403	50	19,000
4	.040	1.0	3/8	36	69409	50	19,000
4	1/16	1.6	1/4	36	69405	50	19,000
4	1/16	1.6	1/4	60	69407	50	19,000
4	1/16	1.6	3/8	60	69411	50	19,000
4	1/16	1.6	5/8	36	69413	50	19,000
4	1/8	3.2	3/8	24	69420	50	19,000
4	1/8	3.2	3/8	60	69423	50	19,000
5	.035	0.9	3/8	60	69501	50	12,200
5	1/16	1.6	3/8	36	69503	50	12,200
6	.035	0.9	1/2	60	69601	25	10,200
6	.035	0.9	5/8	60	69603	25	10,200
6	1/16	1.6	5/8	36	69606	25	10,200
7	.035	0.9	5/8	60	69711	25	8,600
7	1/16	1.6	5/8	36	69719	25	8,600
8	.035	0.9	5/8	60	69801	25	7,600
8	1/16	1.6	5/8	60	69802	25	7,600

Thin Cut-Off Wheels for Angle Grinders

.040

4	.040	1.0	5/8	60	69940	25	15,200
4-1/2	.040	1.0	7/8	60	69945	25	13,300
5	.040	1.0	7/8	60	69950	25	12,200
6	.040	1.0	7/8	60	69960	25	10,200
7	.040	1.0	7/8	60	69970	25	8,600

.045

4	.045	1.6	5/8	46	69944	25	15,200
4-1/2	.045	1.6	7/8	46	69949	25	13,300
5	.045	1.6	7/8	46	69954	25	12,200
6	.045	1.6	7/8	46	69964	25	10,200
7	.045	1.6	7/8	46	69974	25	8,600

Cut-Off Wheels

Thin Cut-Off Wheels – Flat (Type 1) Performance Line SG-ELASTIC



INOX (Stainless)		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SG - A - R - INOX 1.6
	General Purpose	SG - A - R - INOX 1.0
Low Power	Sheet Metal	

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



High value, special cut-off wheel for stainless steel 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)

Application

For cutting sheet metal, sections, and solid material


Recommendation for Use

Thin cut-off wheels (1.0/1.6 mm) provide fast and convenient cutting while minimizing burr formation.

PFERD Specification Number

A 46/60 R SG-INOX



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
.040						
4	.040	1.0	5/8	69943	25	15,200
4-1/2	.040	1.0	7/8	69948	25	13,300
5	.040	1.0	7/8	69953	25	12,200
6	.040	1.0	7/8	69963	25	10,200
.045						
4	.045	1.6	5/8	63613	25	15,200
4-1/2	.045	1.6	7/8	63607	25	13,300
5	.045	1.6	7/8	63608	25	12,200
6	.045	1.6	7/8	63614	25	10,200
7	.045	1.6	7/8	63612	25	8,600

Cut-Off Wheels

Die Grinder Wheel/Thin Cut-Off Wheels – Flat (Type 1) Special/High-Performance Line SG-PLUS



INOX (Stainless)		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SGP - A - S - INOX 1.6
	General Purpose	
Low Power	Sheet Metal	SGP - A - S - INOX 1.0

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



Superior thin cut-off wheel for maximum performance. Smooth, cool, fast cutting action, extremely long service life and effortless cutting with minimal contact pressure.

Abrasive: Aluminum Oxide

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

Workpiece Materials

Stainless steel (INOX)

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

The 1.6/1.0 mm versions provide fast and convenient cutting action and maximum tool life while minimizing burr formation.

Ordering Note

Mandrels for die grinder wheels please refer to page 65.

PFERD Specification Number

A 46/60 S SGP-INOX

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	Grit	EDP Number		Max. RPM
Die Grinder Wheels							
.040							
3	.040	1.0	1/4	60	69831	25	25,000
3	.040	1.0	3/8	60	69832	25	25,000
4	.040	1.0	3/8	60	69841	25	19,000
5	.040	1.0	3/8	60	69852	25	12,200
5	.040	1.0	1/2	60	69853	25	12,200
6	.040	1.0	5/8	60	69861	25	10,200
.045							
3	.045	1.6	3/8	46	69834	25	25,000
4	.045	1.6	3/8	46	69843	25	19,000
5	.045	1.6	3/8	46	69856	25	12,200
6	.045	1.6	5/8	46	69864	25	10,200
8	.045	1.6	5/8	46	69882	25	7,600
Thin Cut-Off Wheels for Angle Grinders							
.040							
4	.040	1.0	5/8	60	69842	25	15,200
4-1/2	.040	1.0	7/8	60	69845	25	13,300
5	.040	1.0	7/8	60	69855	25	12,200
6	.040	1.0	7/8	60	69862	25	10,200
.045							
4	.045	1.6	5/8	46	69844	25	15,200
4-1/2	.045	1.6	7/8	46	69846	25	13,300
5	.045	1.6	7/8	46	69857	25	12,200
6	.045	1.6	7/8	46	69865	25	10,200
7	.045	1.6	7/8	46	69872	25	8,600

Cut-Off Wheels

Accessories



Mandrel 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.

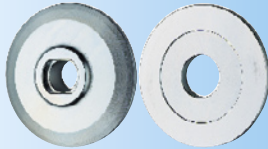
PFERD Specification Number

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" width).

PFERD Specification Number

SFS



Flange diameter (Inches)	Flange diameter (mm)	EDP Number	
3	76	69037	1



Cut-Off Wheels



Flat (Type 1) Performance Line SG-ELASTIC



PFERD flat (type 1) cut-off wheels are engineered to provide excellent service life, and smooth, aggressive cutting action with a consistency level unmatched in the industry.

Manufactured with heavy duty fiberglass reinforcement for superior strength and lateral

stability, PFERD cut-off wheels conform to U.S. and international safety standards.

Choose 3/32" and 1/8" PFERD cut-off wheels for all cut-off needs on steels, aluminum, stainless and alloys, as well as a selection for masonry products.

3/32" thickness provides an excellent balance of fast cutting rates with long service life.

1/8" thick wheels provide maximum service life, durability and lateral stability with good cutting performance.

Steels		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SG - A - S 3.2 SG - A - S 3.0
	General Purpose	SG - A - S 2.9
Low Power	Sheet Metal	SG - A - S 2.4

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SG - A - R - INOX 2.5
	General Purpose	
Low Power	Sheet Metal	

Aluminum/Non-ferrous Metals (Tough, Hard)		
Power Tool	Application	Tool
High Power	Solid Material / Sections	SG - A - N - ALU 2.9
	General Purpose	SG - A - N - ALU 2.4
Low Power	Sheet Metal	

Masonry		
Power Tool	Application	Tool
High Power	Hard Material	SG - C - R 3.2 SG - C - R 3.0
	General Purpose	SG - C - R 2.4
Low Power	Soft, Abrasive Materials	SG - C - R 1.6
		SG - C - R 1.0

Steel/Cast Iron
Hard Type - Hardness Grade S



Performance flat cut-off wheels for universal cutting use.

PFERD Specification Number
A 24/30/46 S SG

Abrasive: Aluminum Oxide

Workpiece Materials

Steel, cast iron

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

Use 3.0/2.9/2.4 mm gauge cut-off wheels for maximum tool life and high lateral stability.

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
4	3/32	2.4	3/8	63501	25	15,200
4	3/32	2.4	5/8	63502	25	15,200
4-1/2	3/32	2.4	7/8	63503	25	13,300
5	3/32	2.4	7/8	63505	25	12,200
6	1/8	3.0	7/8	63507	25	10,200
7	1/8	2.9	7/8	63508	25	8,600
7	1/8	3.2	7/8	63509	25	8,600
9	1/8	2.9	7/8	63510	25	6,600
9	1/8	3.2	7/8	63511	25	6,600

Cut-Off Wheels

Flat (Type 1) Performance Line SG-ELASTIC



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



Multipurpose tool for reduced heat build-up. Smooth cutting action and fast removal rates are 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

Use 2.5 mm gauge cut-off wheels for maximum tool life and high lateral stability.

PFERD Specification Number

A 24 R SG-INOX

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
7	3/32	2.5	7/8	63609	25	8,600
8	3/32	2.5	7/8	63610	25	7,600
9	3/32	2.5	7/8	63611	25	6,600

Aluminum/Non-ferrous Metals
Soft Type - Hardness Grade N-ALU



Performance tool suitable for angle grinders of any output level. Non-loading due to special formulation.

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

Use 2.9/2.4 mm gauge cut-off wheels for maximum tool life and high lateral stability.

PFERD Specification Number

A 24/30 N SG-ALU

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
4-1/2	3/32	2.4	7/8	63602	25	13,300
5	3/32	2.4	7/8	63603	25	12,200
7	1/8	2.9	7/8	63605	25	8,600
9	1/8	2.9	7/8	63606	25	6,600

Cut-Off Wheels

Flat (Type 1) Performance Line SG-ELASTIC



PFERD Specification Number
C 24/30 R SG

Masonry
Hard Type - Hardness Grade R



Performance tool for cutting solid material.
Suitable for use on angle grinders of any output category.

Abrasive: Silicon Carbide

Workpiece Materials

Natural stone, synthetic stone, refractory brick

Application

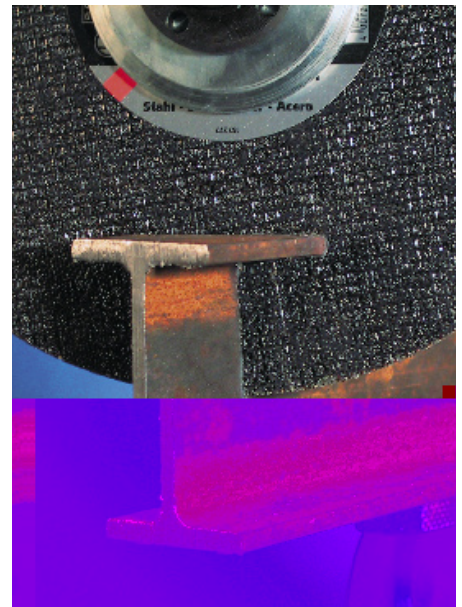
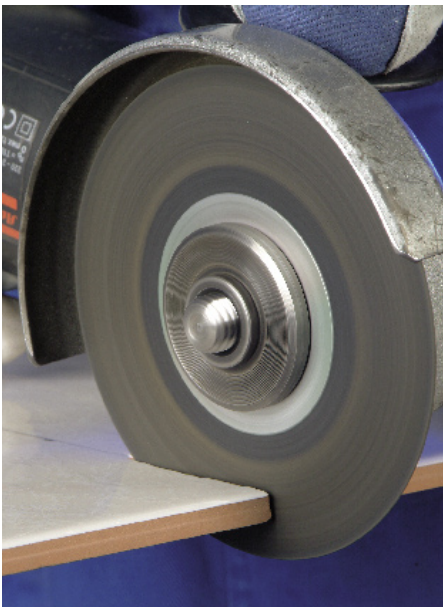
For cutting solid material

Recommendation for Use

Use 3.2/3.0/2.4 mm gauge cut-off wheels for maximum tool life and high lateral stability.

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
4	3/32	2.4	5/8	63701	25	15,300
4-1/2	.040	1.0	7/8	69988	25	13,300
4-1/2	.045	1.6	7/8	69989	25	13,300
4-1/2	3/32	2.4	7/8	63702	25	13,300
5	3/32	2.4	7/8	63703	25	12,200
6	1/8	3.0	7/8	63704	25	10,200
7	1/8	3.2	7/8	63705	25	8,600
9	1/8	3.2	7/8	63706	25	6,600

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Cut-Off Wheels

Flat (Type 1) Special/High-Performance Line SG-PLUS



Steels		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SGP - A - T 2.8
	General Purpose	
Low Power	Sheet Metal	SGP - A - T 2.4

INOX (Stainless)		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SGP - A - S - INOX 2.8
	General Purpose	
Low Power	Sheet Metal	SGP - A - S - INOX 2.2

Steel Very Hard Type - Hardness Grade T



Extremely resistant high-performance tool providing unsurpassed cutting performance and outstanding tool life.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

Wheels measuring 2.8 mm in thickness provide maximum tool life and high lateral stability.

For all-round cutting applications, 2.4 mm gauge wheels give good results.

PFERD Specification Number

A 24/30 T SGP

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
4-1/2	3/32	2.4	7/8	63625	25	13,300
5	3/32	2.4	7/8	63626	25	12,200
7	3/32	2.8	7/8	63627	25	8,600
9	3/32	2.8	7/8	63628	25	6,600

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



Extremely resistant 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

The 2.8 mm gauge wheels are designed for maximum tool life and high lateral stability. For all-round cutting applications, 2.2 mm gauge wheels give good results.

PFERD Specification Number

A 24/46 S SGP-INOX

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
4-1/2	3/32	2.2	7/8	63635	25	13,300
5	3/32	2.2	7/8	63636	25	12,200
7	3/32	2.8	7/8	63637	25	8,600
9	3/32	2.8	7/8	63638	25	6,600

Cut-Off Wheels

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



Steels		
Power Tool	Application	Tool
High Power	Solid Material/ Sections	SG - A - S 3.2 SG - A - S 3.0
	General Purpose	
Low Power	Sheet Metal	

Masonry		
Power Tool	Application	Tool
High Power	Hard Material	SG - C - R 3.2 SG - C - R 3.0
	General Purpose	
Low Power	Soft, Abrasive Materials	SG - C - R 2.4

Steel
Hard Type - Hardness Grade S



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

Abrasive: Aluminum Oxide

Workpiece Materials

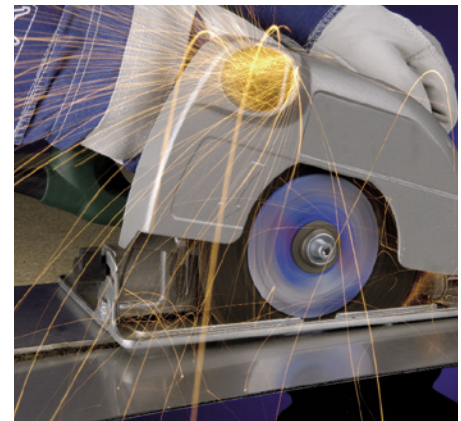
Steel

Application

Cutting of sheet metal, sections, and solid material

PFERD Specification Number

A 24 S SG



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
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
5/8" Bore						
6	1/8	3.0	5/8	63851	25	10,200
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

Cut-Off Wheels

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



Masonry
Hard Type - Hardness Grade R



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

PFERD Specification Number
C 24 R SG

Abrasive: Silicon Carbide

Workpiece Materials
Natural stone, synthetic stone, refractory brick

Application
For cutting solid material

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
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
5/8" 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



Diamond Cut-Off Wheels

Product Lines, Product Categories

PFERD Specification Number

DS 230 x 22,23 H SG
1 2 3 4 5

1 Diamond Cut-Off Wheel Type and Shape

DS = Segmented Type
DG = Continuous Rim Type

2 Dimension

Dia. (D₁) in mm

3 Center Hole Dia.

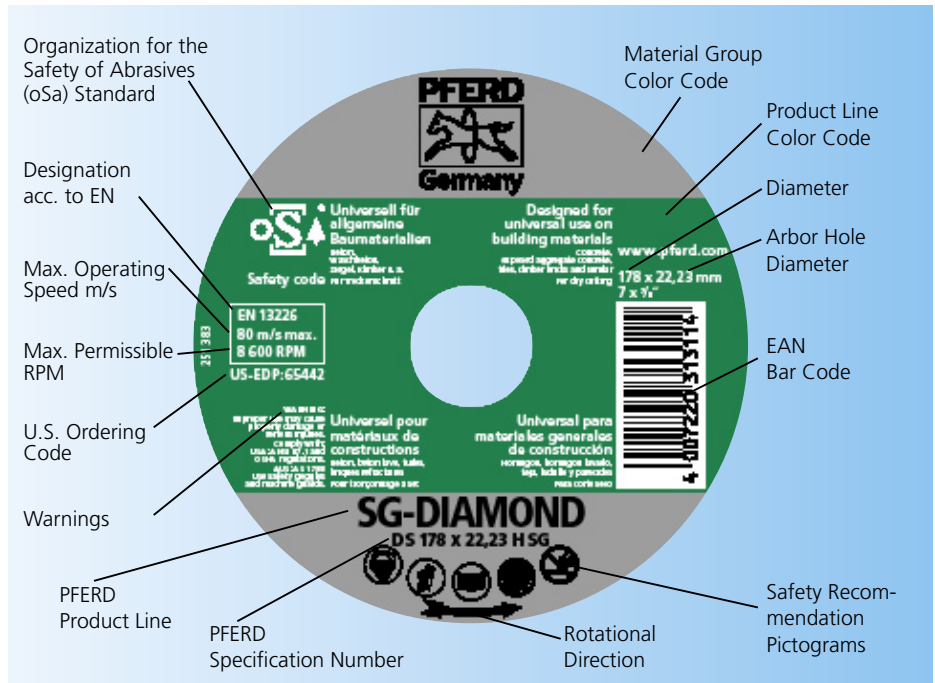
Dia. (D₂) in mm

4 Application Characteristics

H = for harder materials
S = for softer materials
- = general use

5 PFERD Product Lines

Universal Line PS-FORTE
Performance Line SG-ELASTIC
Special/High-Performance Line SG-PLUS



PFERD Diamond Cut-Off Wheels

PFERD diamond cut-off wheels for diverse cutting applications in industry and trades are now available in three new product lines distinguished by our proven color code.

Diamond cut-off wheels made by PFERD stand for optimum cutting results and maximum safety. Whether it's concrete, clinker, hard stone, granite or other abrasive construction materials – in our range you will find the ideal tool for any cutting application.

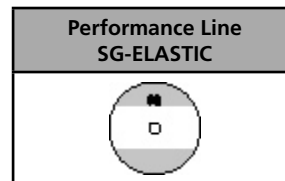
PFERD diamond cut-off wheels are distinguished by:

- High-grade diamond coating
- Excellent stock removal
- Fast cutting action and maximum efficiency

Color Coding of the three Product Lines



PS-FORTE Universal Line is the cost-efficient option for general purpose use.



Performance Line **SG-ELASTIC** tools meet professional-use standards in industry and trades.



Special/High-Performance Line **SG-PLUS** products provide optimum quality and performance.

Product Categories

Material	soft ↔ hard		Glazed Ceramic Tiles
	Cotto, Pumice Blocks, Concrete Stone, Concrete, Roof Tiles, Granite, Clay Bricks, Clinker, Exp. Aggr. Concrete		
 Universal Line PS-FORTE	 PSF-DS	 PSF-DG	
 Performance Line SG-ELASTIC	 SG-DS-S	 SG-DS-H	 SG-DG-H
 Special/High-Performance Line SG-PLUS	 SGP-DS-H		

Diamond Cut-Off Wheels

Flat (Type 1) Universal Line PS-FORTE



Stone, Brick, Terracotta, Light Concrete		
Power Tool	Application	Tool
High Power	Soft Materials	PSF - DS PSF - DG
Low Power		

Stone Type DS (Segmented Edge)



Multipurpose segmented-edge tool, suitable for angle grinders of all output levels. Provides aggressive cutting action and long tool life.

Abrasive: Diamond Grain

Workpiece Materials

Stone, brick, terracotta, light concrete

Application

Cutting of solid material

PFERD Specification Number

DS PSF

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Segment Length (mm)	Segment Height (mm)	Bore (Inches/mm)	EDP Number		Max. RPM
4-1/2	.085	2.2	31.0	7.0	5/8	65110	1	13,300
4-1/2	.085	2.2	31.0	7.0	7/8	65111	1	13,300
5	.085	2.2	31.0	7.0	5/8	65210	1	12,200
5	.085	2.2	31.0	7.0	7/8	65211	1	12,200
7	.090	2.4	33.0	7.0	5/8	65410	1	8,600
7	.090	2.4	33.0	7.0	7/8	65411	1	8,600
9	.090	2.4	38.0	7.0	7/8	65611	1	6,600
10	.090	2.4	38.0	7.0	1	65711	1	6,100
12	.125	3.2	20.0	7.0	20 mm	65810	1	6,400
12	.125	3.2	20.0	7.0	1	65811	1	6,400
14	.125	3.2	24.0	7.0	1	65911	1	4,400
16	.125	3.2	28.0	7.0	1	65916	1	3,800

Stone Type DG (Continuous Edge)



Multipurpose continuous-edge tool, suitable for angle grinders of all output levels. Provides aggressive cutting action and long tool life.

Abrasive: Diamond Grain

Workpiece Materials

Stone, brick, terracotta, light concrete

Application

Cutting of solid material

PFERD Specification Number

DG PSF

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Segment Length (mm)	Segment Height (mm)	Bore (Inches)	EDP Number		Max. RPM
4-1/2	.085	2.2	-	-	5/8	65120	1	13,300
4-1/2	.085	2.2	-	-	7/8	65121	1	13,300
5	.085	2.2	-	-	5/8	65220	1	12,200
5	.085	2.2	-	-	7/8	65221	1	12,200
7	.090	2.4	-	-	5/8	65420	1	8,600
7	.090	2.4	-	-	7/8	65421	1	8,600
9	.090	2.4	-	-	7/8	65621	1	6,600
10	.060	1.6	-	-	1	65721	1	6,100

Diamond Cut-Off Wheels

Flat (Type 1) Performance Line SG-ELASTIC



Concrete, Clinker, Brick, Tiles		
Power Tool	Application	Tool
High Power	Hard Materials	SG - DS - H
	Soft Materials	SG - DS - S
Low Power	Tiles	SG - DG - FL

Concrete Type DS H (Segmented Edge)



Special segmented-edge tool for cutting hard materials, suitable for use in angle grinders of all output levels. Provides aggressive cutting action and very long tool life.

Abrasive: Diamond Grain

Workpiece Materials

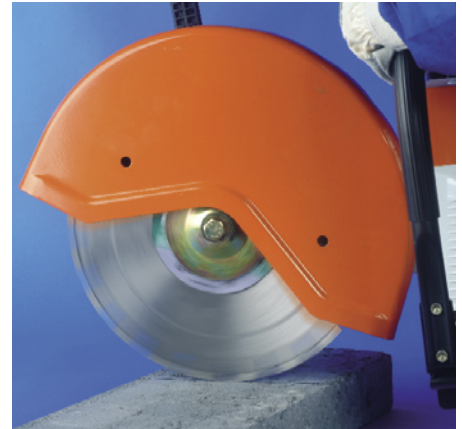
Concrete, hard clinker, fired brick

Application

Cutting of solid material

Recommendation for Use

The maximum permissible operating speed for DS 12" and DS 14" diamond blades is 100 m/s.



PFERD Specification Number

DS H SG

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Segment Length (mm)	Segment Height (mm)	Bore (Inches/mm)	EDP Number		Max. RPM
4-1/2	.085	2.2	35.0	6.0	7/8	65141	1	13,300
5	.085	2.2	35.0	6.0	7/8	65241	1	12,200
7	.085	2.2	35.0	6.0	7/8	65441	1	8,600
9	.095	2.6	35.0	5.0	7/8	65631	1	6,600
12	.095	2.6	35.0	5.0	20 mm	65840	1	6,400
12	.095	2.6	35.0	5.0	7/8	65843	1	6,400
12	.095	2.6	35.0	5.0	1	65841	1	6,400
14	.110	2.8	35.0	5.0	20 mm	65930	1	4,400
14	.110	2.8	35.0	5.0	7/8	65933	1	4,400
14	.110	2.8	35.0	5.0	1	65931	1	4,400
16	.125	3.2	28.0	7.0	1	65936	1	3,800

Diamond Cut-Off Wheels

Flat (Type 1) Performance Line SG-ELASTIC



Concrete Type DS S (Segmented Edge)



Special segmented-edge tool for cutting soft materials, suitable for use in angle grinders of all output categories. Characterized by aggressive cutting action and very long tool life.

PFERD Specification Number
DS S SG

Abrasive: Diamond Grain

Workpiece Materials

Concrete, soft clinker, brick

Application

Cutting of solid material

Recommendation for Use

The maximum permissible operating speed for DS 12" and DS 14" diamond blades is 100 m/s.

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Segment Length (mm)	Segment Height (mm)	Bore (Inches)	EDP Number		Max. RPM
4-1/2	.085	2.2	35.0	6.0	7/8	65151	1	13,300
5	.085	2.2	35.0	6.0	7/8	65251	1	12,200
7	.085	2.2	35.0	6.0	7/8	65451	1	8,600
9	.085	2.2	35.0	6.0	7/8	65641	1	6,600

Ceramic Tiles Type DG FL (Continuous Edge)



Special thin continuous-edge tool, suitable for angle grinders of all output levels. Smooth, aggressive cutting action and long tool life.

Abrasive: Diamond Grain

Workpiece Materials

Ceramic tiles

Application

Cutting of ceramic tiles

Recommendation for Use

Special-purpose continuous-edge (DG) blade for ceramic tiles ensures superior operating performance and achieves precision cuts without edge breakout.

PFERD Specification Number

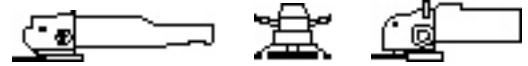
DG FL SG



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Segment Length (mm)	Segment Height (mm)	Bore (Inches)	EDP Number		Max. RPM
4-1/2	.060	1.6	-	-	7/8	65161	1	13,300
7	.060	1.6	-	-	7/8	65461	1	6,600

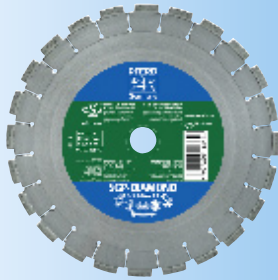
Diamond Cut-Off Wheels

Flat (Type 1) Special/High-Performance Line SG-PLUS



Concrete (Incl. Exposed Aggregate & Steel-Reinforced Types), Hard Clinker, Porphyry, Granite		
Power Tool	Application	Tool
High Power	Hard Materials	SGP - DS - H
Low Power	Reinforced Materials	

Reinforced Concrete Type DS H (Segmented Edge)



High performance segmented-edge performance tool for cutting solid materials. Aggressive cutting action and outstanding tool life.

Abrasive: Diamond Grain

Workpiece Materials

Concrete (including exposed aggregate and steel-reinforced), hard clinker, pavers, granite

Application

Cutting of solid material

Recommendation for Use

When used on reinforced materials (e.g., steel-reinforced concrete), segmented-edge (DS) blades achieve best results on a high-powered angle grinder.



PFERD Specification Number

DS H SGP

Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Segment Length (mm)	Segment Height (mm)	Bore (Inches)	EDP Number		Max. RPM
4-1/2	.095	2.6	35.0	5.0	7/8	65181	1	13,300
5	.095	2.6	35.0	5.0	7/8	65271	1	12,200
7	.110	2.8	20.0	5.0	7/8	65491	1	8,600
9	.110	2.8	20.0	5.0	7/8	65671	1	6,600

Diamond Cut-Off Wheels

Application Notes, Detailed Recommendations for Use

Recommendations for Use

1. Always observe the directional arrow shown on each PFERD cut-off blade.
2. Never work without a protective machine hood.
3. Wear protective glasses.
4. Keep workpiece adequately supported throughout the cutting process.
5. Do not apply pressure when cutting; the machine weight provides sufficient advance. Do not tilt the rotating blade.
6. Avoid overheating. Allow blade to cool down by running the machine in idle mode.
7. Cut deeply. Always try to cut through the entire workpiece depth with a single cut. Move blade gently up and down while cutting (oscillation).

PFERD diamond cut-off blades are used **dry**.

When working on especially tough materials such as concrete with high gravel content (exposed aggregate type), the cutting blade is liable to overheat. This condition is clearly indicated by rotating sparks appearing around the circumference of the blade (see picture).

To prevent damage to the blade, stop cutting at once when this effect occurs!

Allow blade to cool down in idle mode for a brief period.

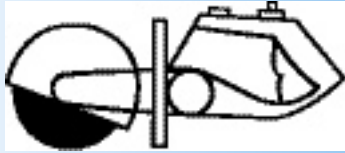
Detailed Recommendations for Use

Available Diameters (Inches) →	4-1/2, 5, 7, 9, 10, 12, 14, 16	4-1/2, 5, 7, 9, 10	4-1/2, 5, 7, 9, 12, 14, 16	4-1/2, 5, 7, 9	4-1/2, 7	4-1/2, 5, 7, 9
PFERD-Product Line →	PS-FORTE			SG-ELASTIC		SG-PLUS
Type →	DS PSF	DG PSF	DS H SG	DS S SG	DG FL SG	DS H SGP
Material ↓						
Aerated concrete	○	○	○	○	-	○
Asphalt	-	-	○	-	-	-
Cast plaster floor	-	○	○	-	-	-
Ceramic tiles	-	○	○	-	●	○
Clay brick	○	●	●	●	○	○
Clinker bricks, hard	○	○	●	○	○	●
Clinker bricks, soft	○	○	○	○	○	○
Concrete	○	○	●	●	-	●
Concrete bricks, pipes	○	●	●	○	-	●
Concrete, reinforced	-	-	●	-	-	●
Exposed aggreg. conc.	-	-	●	-	-	●
Gneiss	○	○	○	○	-	○
Granite	-	-	●	-	-	●
GRP Gl.-fib. reinf. plastics	○	○	○	○	-	○
Marble	○	●	○	○	○	○
Porous clay	○	○	○	○	-	○
Porphyry	-	-	-	-	-	●
Pumice stones	●	●	●	●	-	●
Roof tiles	○	●	●	●	-	○
Sandstone	○	○	●	●	-	-
Sandy limestone	○	○	○	○	-	○
Slate	○	●	○	○	●	●
Tiles, glazed	-	○	○	-	●	○
Terracotta	●	●	●	●	-	●

● = highly suitable ○ = suitable - = unsuitable

Large Diameter/Stationary Cut-Off Wheels

Performance Line SG-ELASTIC



PORTABLE

PFERD portable wheels are developed specifically for use on 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.

Cut-off wheels for use on electric or petrol-powered hand-held cut-off machines.

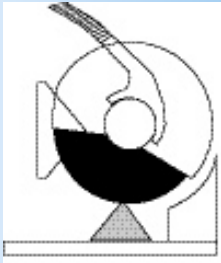
The PFERD range includes wheels specifically customized for optimal performance on a variety of workpiece materials:

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.

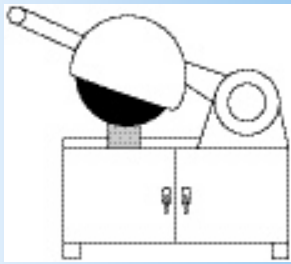
PFERD manufactures a complete range of highly competitive performance cut-off wheels for use on low powered chop saw cut-off machines.

They cut faster, last longer, and require less operator pressure during the cutting process.



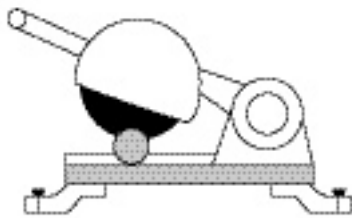
CHOPSAW/STUD CUTTER

Universal cut-off wheels for use on solid materials and steel sections in power tools with a **power output of 3 KW.**



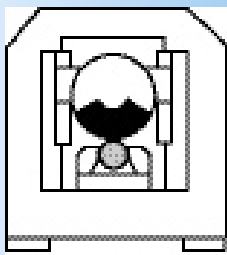
TABLECUT

Universal cut-off wheels for use on solid materials and steel sections in power tools with a **power output of 3 - 5 KW.**



UNIVERSAL

Universal cut-off wheels for use on solid material using high-powered tools with a **power output of more than 5 KW.**



HEAVY DUTY

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



A complete catalog range of stationary wheels is available for low, medium and high power output stationary cut-off saws.

Large Diameter/Stationary Cut-Off Wheels

Portable Cut-Off Wheels

Performance Line SG-ELASTIC



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 2 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.

Steel Hard Type - Hardness Grade R



Special-purpose tool for cutting large diameters. 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 R SG

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

Large Diameter/Stationary Cut-Off Wheels

Portable Cut-Off Wheels Performance Line SG-ELASTIC



Cast Iron/Steel-Reinforced Concrete Soft Type - Hardness Grade Q



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

Masonry Hard Type - Hardness Grade R



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

Large Diameter/Stationary Cut-Off Wheels

RAIL, DECKING

Performance Line SG-ELASTIC

Steel
Soft Type - Hardness Grade Q



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

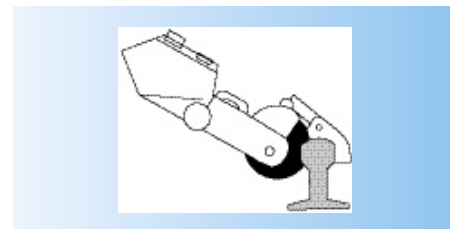
PFERD Specification Number
A 24 Q SG-RAIL

Abrasive: Aluminum Oxide

Workpiece Materials
Steel

Application
Rail and decking cutting operations

Recommendation for Use
Best cutting results are obtained with high-powered machines.

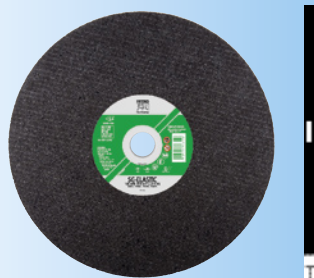


Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
100 m/s						
12	1/8	3.8	1	64401	20	6,400
14	1/8	3.8	1	64402	10	5,500
16	1/8	4.2	1	64403	10	4,800

STREET SAW

Performance Line SG-ELASTIC

Concrete
Soft Type - Hardness Grade R



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

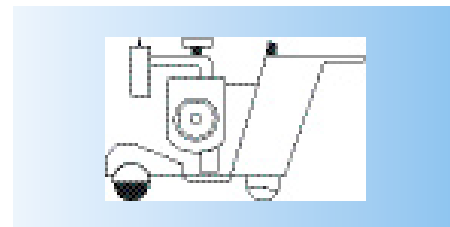
PFERD Specification Number
C 24 R SG

Wheel Types:
GP: General Purpose
ASP: Asphalt
CC: Cured Concrete

Abrasive: Silicon Carbide

Workpiece Materials
Concrete

Application
Cutting expansion joints



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

Large Diameter/Stationary Cut-Off Wheels

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

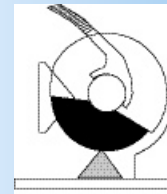
Application
Cutting of sections and solid material, rebar, tubing, and other small cross sections

Recommendation for Use

Provides excellent cutting results on machines with up to 3 KW output.

PFERD Specification Number

A 36 K SG-CHOP



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

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



Special cut-off wheel for abrasive cutting operations using stationary electric chopsaws. 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 3 KW output.

PFERD Specification Number

A 36 K SG-CHOP-INOX



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

Large Diameter/Stationary Cut-Off Wheels

CHOPSAW

Performance Line SG-ELASTIC

Masonry
Very Soft Type - Hardness Grade K



Multipurpose tool with very long service life for abrasive cutting operations using stationary chop saws.

Abrasive: Silicon Carbide

Workpiece Materials

Natural and artificial stone, small bricks, plastics, hard aluminum, titanium and more

Application

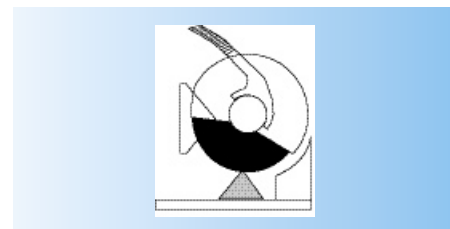
Cutting of sections and solid material

Recommendation for Use

Provides excellent cutting results on machines with up to 3 KW output.

PFERD Specification Number

C 36 K SG-CHOP



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
12	3/32	2.8	1	64511	20	5,100
14	3/32	2.8	1	64512	10	4,400
16	1/8	3.8	1	64513	10	3,800

STUD CUTTER

Performance Line SG-ELASTIC

Steel
Very Soft Type - Hardness Grade K



Special tool with extended lateral stability for abrasive cutting operations using stationary chop saws.

Abrasive: Aluminum Oxide

Workpiece Materials

Steel

Application

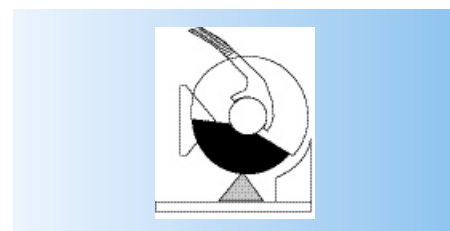
Cuts metal studs, thin rebar, sheet stock and light gauge metal

Recommendation for Use

Provides excellent cutting results on machines with up to 3 KW output.

PFERD Specification Number

A 36 K SG-STUD



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

Large Diameter/Stationary 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 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

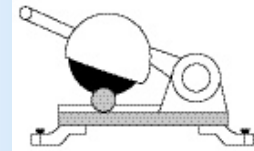
Cutting of sections and solid material

Recommendation for Use

Best cutting results are achieved with high-powered machines in the 3 - 5 KW output range.

PFERD Specification Number

A 30 L SG-TABLE



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
12	1/8	3.0	1	64530	20	5,100
14	1/8	3.0	1	64531	10	4,400
16	1/8	4.0	1	64532	10	3.800

Cast Iron/Masonry/Plastics
Soft Type - Hardness Grade L



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

Abrasive: Silicon Carbide

Workpiece Materials

Cast iron, masonry, plastics

Application

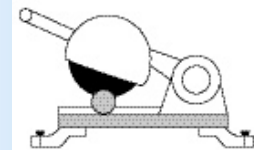
Cutting of sections and solid material

Recommendation for Use

Best cutting results are obtained with high-powered machines in the 3 - 5 KW output range (4 to 7 horsepower).

PFERD Specification Number

C 30 L SG-TABLE



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
12	1/8	3.0	1	64545	10	5,100
14	1/8	3.4	1	64546	10	4,400
16	1/8	4.0	1	64547	10	3.800

Large Diameter/Stationary Cut-Off Wheels

UNIVERSAL Performance Line SG-ELASTIC

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



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

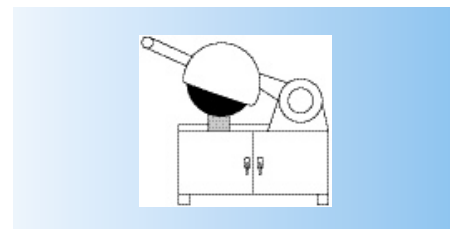
Abrasive: Aluminum Oxide

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 5 KW output.

PFERD Specification Number
A 30 O SG-UNI



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

Cast Iron/Masonry
Soft Type - Hardness Grade O



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

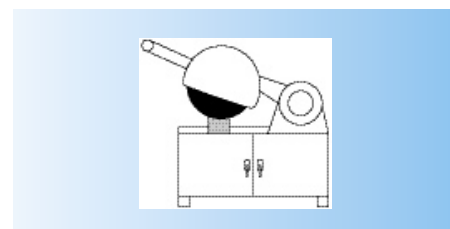
Abrasive: Silicon Carbide

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 5 KW.

PFERD Specification Number
C 24 O SG-UNI



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
12	1/8	3.4	1	66104	20	5,100
14	1/8	3.8	1	66105	10	4,400

Large Diameter/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/Silicon Carbide

Workpiece materials
Steel

Application
Cutting of solid material

Recommendation for Use
Best cutting results are obtained in 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 (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
Aluminum Oxide						
80 m/s						
10	3/32	2.4	5/8	66113	20	6,100
10	3/32	2.4	1	66114	20	6,100
12	1/8	3.4	1	66115	20	5,100
14	1/8	3.8	1	66116	10	4,400
16	1/8	4.0	1	66117	10	3,800
20	3/16	4.5	1	66005	5	3,100
20	3/16	4.5	1-1/4	66006	5	3,100
20	3/16	4.5	1-1/2	66007	5	3,100
20	3/16	5.5	1	66123	5	3,100
20	3/16	5.5	1-1/2	66125	5	3,100
24	3/16	4.8	1	66126	5	2,550
26	1/4	6.5	1	66132	5	2,550
26	1/4	6.5	1-1/2	66134	5	2,550
26	1/4	6.5	1-3/4	66135	5	2,550
100 m/s						
10	1/8	3.2	5/8	66009	20	7,600
10	1/8	3.2	1	66010	20	7,600
12	1/8	3.0	1	66011	20	6,400
14	1/8	4.0	1	66012	10	5,500
16	3/16	4.4	1	66013	10	4,800
16	1/8	4.0	1-1/4	66014	10	4,800
16	3/16	4.6	1-1/2	66015	10	4,800
18	3/16	5.0	1	66016	5	4,200
20	1/4	5.7	1	66019	5	3,800
20	1/4	5.8	1-1/2	66021	5	3,800
24	1/4	6.0	1	66022	5	3,200
24	1/4	6.0	1-1/2	66026	5	3,200
Silicon Carbide						
80 m/s						
10	3/32	2.8	5/8	66102	20	6,100
10	1/8	3.6	1	66103	20	6,100
20	1/4	5.8	1	66111	5	3,100

Large Diameter/Stationary Cut-Off Wheels

HEAVY DUTY Performance Line SG-ELASTIC

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



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

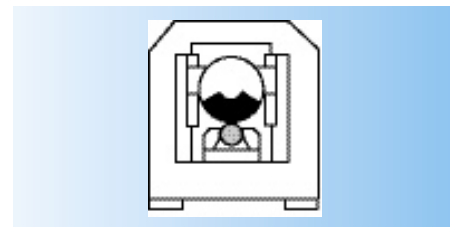
Cutting of solid material


Recommendation for Use

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

PFERD Specification Number

ZA 24 Q/R SG-HD



Diameter (Inches)	Thickness Nominal (Inches)	Thickness Metric (mm)	Bore (Inches)	EDP Number		Max. RPM
100 m/s						
20	3/16	5.4	1	66045	5	3,800
24	1/4	8.0	2-3/8	66050	5	3,200

Tools Made to Customer Requirements

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)** and wheel types (**T, PT, CT**) can be manufactured with different thicknesses and center 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 tool, a sophisticated cut-off machine is the key to any economically efficient 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.

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).



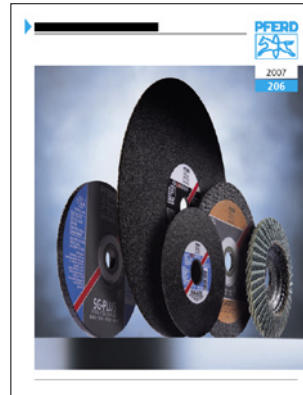
Made to Order

For further information please refer to our special brochure "Abrasive Cut-Off Wheels for Stationary Use".



Catalog 201

Files and Rasps



Catalog 206

Grinding and
Cut-Off Wheels



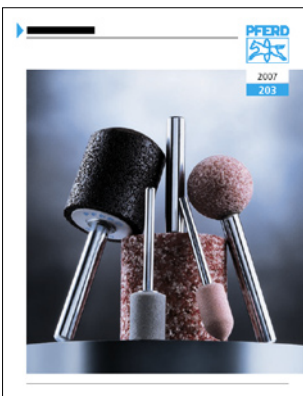
Catalog 202

Tungsten Carbide Burs
and Hole Saws



Catalog 208

Power and
Maintenance Brushes



Catalog 203

Mounted Points



Catalog 209

Power Tools



Catalog 204

Fine Grinding and
Polishing Tools

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PFERD quality certified according to EN ISO 9001.

Printed in Germany

Subject to technical modifications.

10/2006

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