

Thin Cut-Off Wheels from PFERD

Cutting with the Best



- Excellent aggressiveness and service life
- Cool cutting
- Low-burr formation
- Unrivalled cutting comfort and labour-saving work

Thin Cut-Off Wheels from PFERD

Cutting with the Best

Product Lines

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



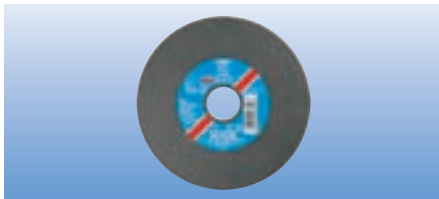
Universal Line PS-FORTE

General use in industry and professional trades.



Performance Line SG-ELASTIC

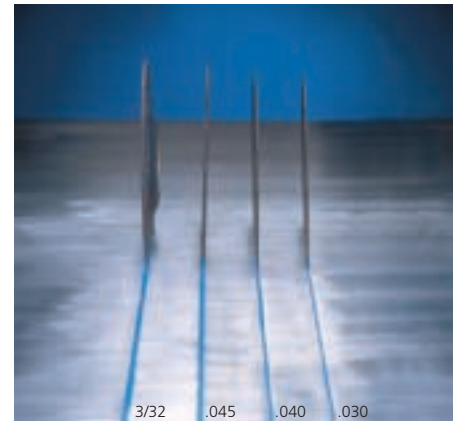
Widest range of tools for professional use in industry and professional trades.



Special Line SG-PLUS

For maximum possible performance, and for niche industrial applications.

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



Your Quick Product Selection Guide

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

① Application	② Workpiece Material		Stainless Steel (INOX)		Aluminum, Non-ferrous Metals		Cast Iron, Masonry	
	Type	Page	Type	Page	Type	Page	Type	Page
Cutting of Sheet Metal and Thin-Walled Profiles	PS-FORTE Hardness P	3	PS-FORTE Hardness P (INOX)	3, 4	SG-ELASTIC Hardness N	6	SG-ELASTIC Hardness R (C)	6
	SG-ELASTIC Hardness S	4	SG-ELASTIC Hardness R (INOX)	5				
	SG-PLUS Hardness T	7	SG-PLUS Hardness S (INOX)	8				
Cutting Solid Material and Profiles	PS-FORTE Hardness P	3	PS-FORTE Hardness P (INOX)	3, 4	SG-ELASTIC Hardness N Hardness R (C)	6 6	SG-ELASTIC Hardness R (C)	6
	SG-ELASTIC Hardness S	4	SG-ELASTIC Hardness R (INOX)	5				
	SG-PLUS Hardness T	7	SG-PLUS Hardness S (INOX)	8				

PFERD thin cut-off wheels

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

PFERD thin cut-off 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.

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.

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

Abrasive: Aluminum Oxide

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

Workpiece Materials

Steel, stainless steel (INOX)

Application

Cut-off work, light deburring, light surface grinding

Recommendation for Use

.065" thickness for faster cutting with less material waste. Use on thinner workpieces such as sheet metal, sections and tube stock.

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



PFERD Specification Number

A 46 P PSF INOX-DUO

**Steel/Stainless Steel (INOX)
DUODISC®, Hardness Grade P-INOX**



T 27

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

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

Abrasive: Aluminum Oxide A

Workpiece Materials

Steel

Application

Cutting of steel metal, sections and solid materials

Recommendation for Use

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

Recommended for angle grinders of all power output levels.

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


PFERD Specification Number

A 46/60 P PSF

**Steel
Medium-Hard Type - Hardness Grade P**



T 1

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

Thin Cut-Off Wheels from PFERD

Cutting with the Best

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



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

Abrasive: Aluminum Oxide A

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

Workpiece Materials:

Stainless steel (INOX)

Application:

Cutting of sheet metal, sectional and solid materials

Recommendation for Use

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

Recommended for angle grinders of all power output levels.

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

PFERD Specification Number

A 24/46/60 P PSF INOX

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

Steel/Cast Iron Hard Type - Hardness Grade S



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

Abrasive: Aluminum Oxide

Workpiece Materials

Steel, cast iron

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use


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

Recommended for angle grinders of all power output levels.

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

PFERD Specification Number

A 24/30/46 S SG

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Depressed Centre (Type 27)					
4-1/2 x .045	1.6	7/8	63162	25	13,300
5 x .045	1.6	7/8	63163	25	12,200
6 x .045	1.6	7/8	63164	25	10,200
7 x .045	1.9	7/8	63165	25	8,600



Thin Cut-Off Wheels from PFERD

Cutting with the Best

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

Abrasive: Aluminum Oxide

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

Workpiece Materials

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

Application

For cutting sheet metal, sections, and solid material

Recommendation for Use

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

Recommended for angle grinders of all power output levels.


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

PFERD Specification Number

A 24/46 R SG INOX

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



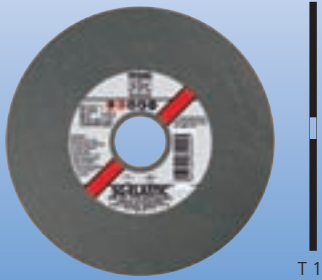
Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Depressed Centre (Type 27)					
4-1/2 x .045	1.6	7/8	63167	25	13,300
5 x .045	1.6	7/8	63168	25	12,200
6 x .045	1.6	7/8	63169	25	10,200
7 x .045	1.6	7/8	63170	25	8,600
Flat (Type 1)					
4 x .040	1.0	5/8	69943	25	15,200
4 x .045	1.6	5/8	63613	25	15,200
4-1/2 x .040	1.0	7/8	69948	25	13,300
4-1/2 x .040	1.2	7/8	63576	25	13,300
4-1/2 x .045	1.6	7/8	63607	25	13,300
4-1/2 x .045	1.8	7/8	63582	25	13,300
5 x .040	1.0	7/8	69953	25	12,200
5 x .040	1.2	7/8	63577	25	12,200
5 x .045	1.6	7/8	63608	25	12,200
5 x .045	1.8	7/8	63583	25	12,200
6 x .040	1.0	7/8	69963	25	10,200
6 x .045	1.6	7/8	63614	25	10,200
7 x .045	1.6	7/8	63612	25	8,600



Thin Cut-Off Wheels from PFERD

Cutting with the Best

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



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

Abrasive: Aluminum Oxide

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

Workpiece Materials

Tough and hard aluminum, non-ferrous metals

Application

Cutting of sheet metal, sections, and solid material


Recommendation for Use

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

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

PFERD Specification Number

A 24/30 N SG ALU

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Flat (Type 1)					
4-1/2 x .040	1.0	7/8	63589	25	13,300
4-1/2 x .045	1.6	7/8	63595	25	13,300
5 x .040	1.0	7/8	63590	25	12,200
5 x .045	1.6	7/8	63596	25	12,200
7 x .045	1.6	7/8	63598	25	8,600

Stone/Masonry Hard Type - Hardness Grade R



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

Abrasive: Silicon Carbide

Workpiece Materials

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

Application


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

Recommendation for Use

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

PFERD Specification Number

C 24/30 R SG

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Flat (Type 1)					
4-1/2 x .040	1.0	7/8	69988	25	13,300
4-1/2 x .045	1.6	7/8	69989	25	13,300



Thin Cut-Off Wheels from PFERD

Cutting with the Best

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

Abrasive: Aluminum Oxide

Workpiece Materials

Steel

Application

Cutting of sheet metal, sections, and solid material

Recommendation for Use

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

PFERD Specification Number

A 24/30 T SGP

**Steel
Very Hard Type - Hardness Grade T**



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Flat (Type 1)					
4-1/2 x .040	1.0	7/8	69946	25	13,300
5 x .040	1.0	7/8	69951	25	12,200



Special accessory providing increased lateral stability and improved power transfer to abrasive cut-off wheels.

Made of high-grade tool steel.

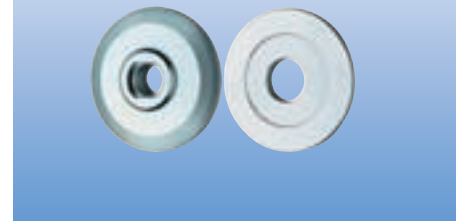
Recommendation for Use

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

PFERD Specification Number

SFS

**Flange Set
for Cut-Off Wheels**



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



Thin Cut-Off Wheels from PFERD

Cutting with the Best

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



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

Abrasive: Aluminum Oxide

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

Workpiece Materials

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

Application

Cutting of sheet metal, sections, and solid material


Recommendation for Use

The .030 X-SLIM produces excellent cutting performance even on low powered grinders. .040", .045" thickness for fast, convenient cutting with minimized burr formation.

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

PFERD Specification Number

A 46 S SGP INOX

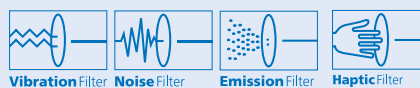
Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		
Depressed Centre (Type 27)					
4-1/2 x .030	0.8	7/8	63157	25	13,300
4-1/2 x .045	1.6	7/8	63172	25	13,300
5 x .030	0.8	7/8	63158	25	12,200
5 x .045	1.6	7/8	63173	25	12,200
6 x .045	1.6	7/8	63174	25	10,200
7 x .045	1.6	7/8	63175	25	8,600
Flat (Type 1)					
4 x .030	0.8	5/8	69816	25	15,200
4 x .040	1.0	5/8	69842	25	15,200
4 x .045	1.6	5/8	69844	25	15,200
4-1/2 x .030	0.8	7/8	69817	25	13,300
4-1/2 x .040	1.0	7/8	69845	25	13,300
4-1/2 x .045	1.6	7/8	69846	25	13,300
5 x .030	0.8	7/8	69818	25	12,200
5 x .040	1.0	7/8	69855	25	12,200
5 x .045	1.6	7/8	69857	25	12,200
6 x .040	1.0	7/8	69862	25	10,200
6 x .045	1.6	7/8	69865	25	10,200
7 x .045	1.6	7/8	69872	25	8,600

PFERDERGONOMICS

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

To be able to fulfill these increased requirements, PFERDERGONOMICS supplies solutions for

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



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

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