

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.



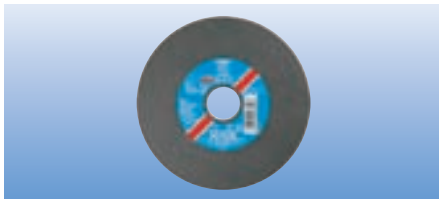
Universal Line PS-FORTE

General use in industry and professional trades.



Performance Line SG-ELASTIC

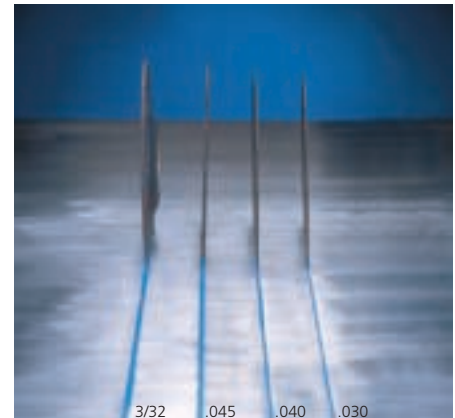
Widest range of tools for professional use in industry and professional trades.



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**



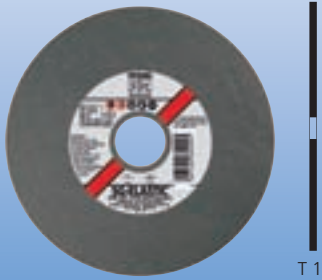
| Diameter (D) x Thickness (U) Nominal [Inches] | Thickness Metric (U) [mm] | Unthreaded Arbor Hole | | | Max. RPM |
|---|---------------------------------|-----------------------|---------------|----|-------------|
| | | Bore (H) [Inches] | EDP Number | | |
| Depressed Centre (Type 27) | | | | | |
| 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.

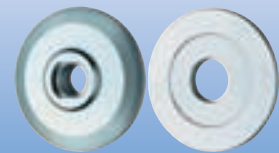
Recommendation for Use

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

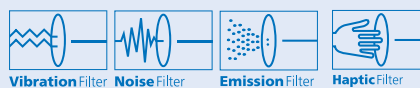
| Diameter (D) x Thickness (U) Nominal [Inches] | Thickness Metric (U) [mm] | Unthreaded Arbor Hole | | | Max. RPM |
|---|---------------------------------|-----------------------|---------------|---|-------------|
| | | Bore (H) [Inches] | EDP Number |  | |
| Depressed Centre (Type 27) | | | | | |
| 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.

PFERD CANADA INC.

5570 McAdam Road · Mississauga, ONT L4Z1P1
Phone: (905) 501-1555 · Toll-Free: (866) 245-1555
Fax: (905) 501-1554
sales@pferdcanada.ca · www.pferd.com

PFERD INC.

30 Jytek Drive · Leominster, MA 01453
Phone: (978) 840-6420 · Toll-Free: (800) 342-9015
Fax: (978) 840-6421
sales@pferdusa.com · www.pferd.com