Cut-off wheels, flap discs and grinding wheels

Cut-off wheels, flap discs and grinding wheels
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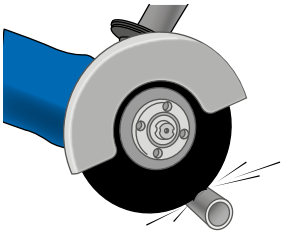
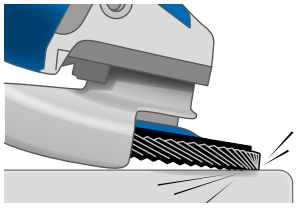
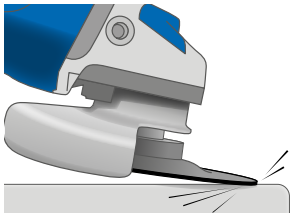
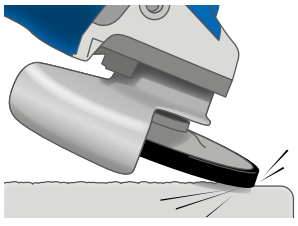
Cutting



Grinding







Cutting and grinding with X-LOCK quick-change system

PFERD quality

All PFERD products are developed, manufactured and tested in accordance with the strictest quality requirements. As a founding member of the "Organization for the Safety of Abrasives (oSa)", PFERD conforms to strict inspection requirements going beyond ANSI B7.1, EN 12413 and EN 13743.

PFERD quality management is certified according to ISO 9001.

Technical support

PFERD offers individual targeted support to solve unique application problems. Our experienced sales representatives and technical specialists are available to assist you.

Contact your local sales representative to learn more or visit us at pferd.com.

PFERDTOOL-CENTER

The **PFERD**TOOL-CENTER is a premium display system that can be custom-designed to meet your specific product and presentation requirements. For more information from a PFERD expert, contact us today at **pferd.com**.

Training

At our state-of-the-art **PFERD**ACADEMY, attendees receive highly specialized and practical training from the world of grinding and cutting.

A progressive series of classes enables you to become a certified PFERD specialist.

Mounted points, cones and plugs, and bench grinding wheels for different materials and applications can be found in catalogue section 3.

Fine grinding and finishing products for the perfect surface finish (e.g. fibre discs, COMBICLICK®, POLIVLIES® flap discs, mounted flap wheels, etc.) can be found in catalogue section 4.

Cut-off wheels for stationary applications (e.g. chop saws, rail cutting machines, heavy duty cutting machines, large diameter cut-off wheels made to order) can be found in catalogue section 7.

Cut-off wheels, flap discs and grinding wheels
Quick product selection guide

Product selection

Cutting	Grinding	
	Coated abrasives	Bonded abrasives
		
		
Cut-off wheels for	**POLIFAN® flap discs** page 28	**CC-GRIND® grinding discs** page 41
Angle grinders page 12		
Gas saw page 22		
Die grinders page 24		

Product lines and colour coding

Universal Line PSF ★★☆☆

Choose the Universal Line PSF for processing of the most common materials. Products achieve good results with increased economic efficiency.

Performance Line SG ★★★☆

The wide range Performance Line SG offers high-performance solutions for every application and material. Products achieve optimum results with excellent economic efficiency.

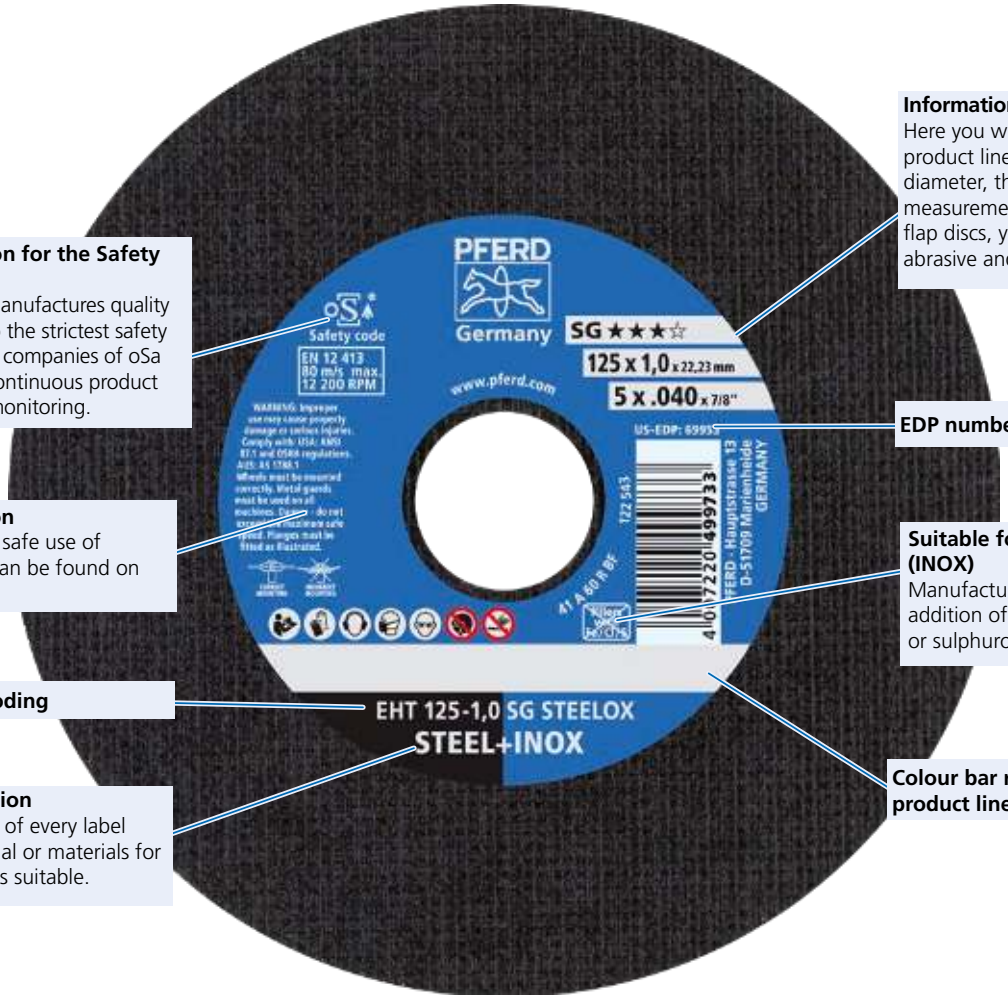
Special Line SGP ★★★★

Special Line SGP includes products engineered for specific tasks and offers the user key advantages over conventional products. This quality line also includes products that, due to their particularly high performance, offer ultimate economic efficiency.

Material and colour coding

Steel, cast steel	Steels up to 1,200 MPa (174,000 psi) (<38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel, alloyed steels
	Hardened, heat-treated steels over 1,200 MPa (174,000 psi) (>38 HRC)	Tool steels, tempering steels, alloyed steels, cast steel
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels, e.g. **AISI/ASTM** 301 410 304 412 316 416 316Ti
Aluminum	Non-hardened and hardened wrought alloys, cast aluminum alloys with low silicon content, cast aluminum alloys without silicon	
Other non-ferrous metals	Non-ferrous metals, soft	Brass, copper, zinc
	Non-ferrous metals, hard	Bronze, titanium
	High-temperature-resistant materials	Inconel, Hastelloy
Cast iron	Grey cast iron	Cast iron with flake graphite Cast iron with nodular graphite/nodular cast iron
	Annealed cast iron	White cast iron/pot metal cast, black cast iron
Stone	Asphalt, pumice, sandstone, concrete, reinforced concrete, concrete blocks, roofing tiles, granite, clinker, exposed aggregate concrete, tiles, ceramic tiles, slate	

Label



oSa – Organization for the Safety of Abrasives
PFERD voluntarily manufactures quality tools conforming to the strictest safety standards. Member companies of oSa are committed to continuous product safety and quality monitoring.

Safety information
Information on the safe use of abrasive products can be found on pages 7 and 8.

Material colour coding

Material information
The bottom section of every label indicates the material or materials for which the product is suitable.

Information bar
Here you will find the product line, star rating, diameter, thickness, and arbor measurements. For POLIFAN® flap discs, you will also find the abrasive and grit size here.

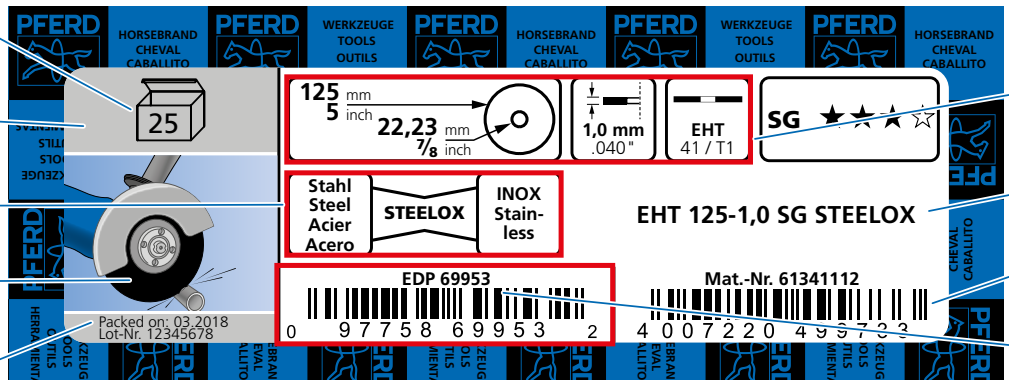
EDP number

Suitable for stainless steel (INOX)
Manufactured without addition of ferrous, chlorinated or sulphurous fillers.

Colour bar referencing product line

Packaging label

PFERD supplies cut-off wheels, flap discs and grinding wheels in robust industrial packaging that protects the products against damage. All important technical and ordering information can be found on the new packaging label below.



Box quantity

Product line (colour coding system)

Material information

Product type

Packing date and lot number

Language-neutral technical information

PFERD description

EAN (European Article Number)

EDP and UPC code

Cut-off wheels, flap discs and grinding wheels
Solutions for stainless steel (INOX) and aluminum

Working on stainless steel (INOX)

Stainless steel (INOX) has many strengths and advantages over steel, especially its resistance against corrosion. However, it also imposes special demands on abrasive products.

PFERD offers a wide range of specially developed products that will not contaminate the workpiece and create lower heat build-up than conventional products preventing discolouration and corrosion.

8 tips for preventing corrosion

Use the right grinding product!

1. 

Only use grinding products **without** ferrous (Fe), chlorinated (Cl) or sulphurous (S) fillers that are specifically designed for stainless steel (INOX). This prevents residues that can result in corrosion. Products feature the symbol above and the addition of **INOX** or **STEELOX** (steel + INOX).
2. To prevent corrosion, the heat build-up in the workpiece must be reduced. Use grinding products specially developed for use on stainless steel (INOX) and the largest possible grit size.

Observe during use!

3. Work with less contact pressure and oscillating movement to prevent heat discolouration, particularly with thin-walled workpieces.
4. Wheels that have previously been used on steel must not be used for work on stainless steel (INOX). Remaining steel particles can cause impurities and corrosion.
5. Try to avoid sparks falling on the workpiece and be sure that no swarf is left on the surface.

Important: Proceed straight to finishing!

6. Immediately proceed to finishing operations to achieve the target surface finish, so that the stainless steel (INOX) builds up its passivation layer. Suitable products can be found in catalogue section 4 “Fine grinding and finishing products”.
7. If heat discolouration/oxidation occurs during grinding, additional options are available in catalogue section 4 “Fine grinding and finishing products” and catalogue section 8 “Power and maintenance brushes”.
8. Clean each workpiece thoroughly after completion of all the mechanical work.

Working on aluminum

The term "aluminum" refers to a series of alloys in which the element aluminum is the main component. These range from soft to tough and hard aluminum alloys.

Conventional grinding products for steel often cannot be used for work on aluminum. Particularly with soft alloys, adhesion of materials and loading (clogging) of the grinding product can occur. PFERD has developed a series of special products for processing aluminum.

These products contain no fillers that can leave residues on the workpiece. The surfaces can be welded immediately after cutting or grinding.

Specialized products for use on aluminum

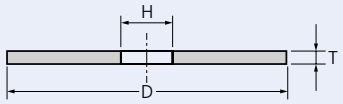
SG ALU grinding wheels

POLIFAN® flap discs
A-COOL SG ALU + INOX (with a specially developed topsizing that prevents chips from adhering)

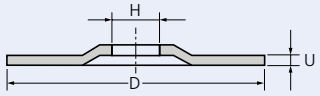
POLIFAN® flap discs
A SGP CURVE ALU for fillet weld grinding (the only flap disc with flaps on the circumference and a specially developed topsizing that prevents chips from adhering)

SG ALU grinding and cut-off wheels

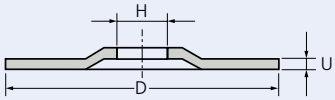
Product types and dimensions



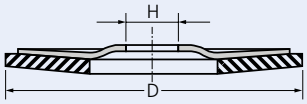
Cut-off wheel, flat type EHT (type 1/41)



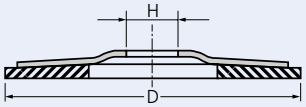
Cut-off wheel, depressed-centre type EH (type 27/42)



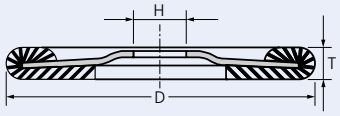
Combination wheel DUODISC®, depressed-centre type E (type 27)



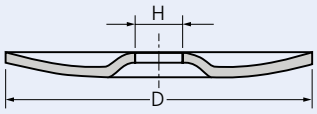
Flap disc, conical type PFC (type 29)



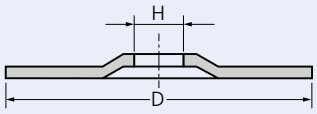
Flap disc, flat type PFF (type 27)



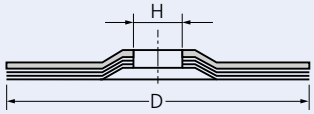
Flap disc, radial type PFR (CURVE)



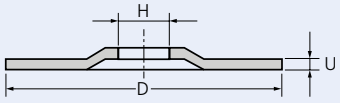
CC-GRIND®-SOLID



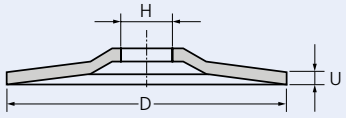
CC-GRIND®-FLEX



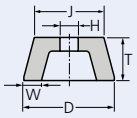
CC-GRIND®-STRONG



Grinding wheel E (type 27)



Grinding wheel ETF (type 28)



Conical cup wheel ETT (type 11)

Cutting and grinding safety

Abrasive wheel manufacturers, power tool manufacturers and users contribute equally to ensuring safety during cutting and grinding operations.

PFERD manufacturers all its products according to the current safety standards. During cutting and grinding, the user is responsible for correct use of the power tool as well as correct handling and use of the abrasives.

The information required for the safe use of grinding wheels, cut-off wheels, cup wheels, flap wheels, POLIFAN® flap discs and CC-GRIND® grinding discs from PFERD is summarized here. In addition to this, user information relating to the power tool used, as well as the applicable provisions on health and safety at work, should always be observed.

Explanation of the labeling of abrasive products

- Always observe the instructions on the abrasive, the grinder and all accompanying user information. Abrasives made by PFERD conform to the highest quality and safety requirements and are marked according to the following key European and international safety standards:
  - ANSI B7.1 or B7.7
  - OSHA regulations
  - EN 12413, EN 13236, or EN 13743
- Use a grinder that is suitable for the respective application. A product that can not be clearly identified should never be used.
- Observe any use restrictions, warnings and safety instructions on the abrasive and on the accompanying labels or packaging:


= Not permitted for hand-held grinding!


= Not permitted for face grinding!


= Not permitted for wet grinding!


= Do not use if damaged!


= Follow the safety instructions!


= Wear eye protection!


= Wear hearing protection!


= Wear gloves!


= Wear a dust mask!

= Observe the minimum contact angle!

Cut-off wheels, flap discs and grinding wheels

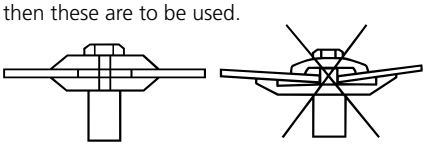
Technical information and safety notes

Storage of abrasive wheels

- Abrasive wheels should be stored in such a way as to prevent any adverse effects caused by moisture, frost or large temperature variations and so as to avoid mechanical damage. Do not use resinoid-bonded abrasive wheels or abrasive products using coated abrasives that have been exposed to severe humidity, damp, or high temperatures.

Mounting of abrasive wheels

- Only use grinders that are intended for use with the relevant product.
- Never use a grinder that is not in good condition.
- Use only abrasive wheels whose outer diameter and centre-hole diameter and/or thread match the specifications of the grinder.
- Never use damaged abrasive wheels. Abrasive wheels must be visually inspected and checked for any possible damage before each use.
- Keep mounting components clean and in good mechanical condition.
- Replace them if they become damaged or worn. If the manufacturer of the grinder provides tools for fixation of the abrasive tools (e.g. a key), then these are to be used.



- Tighten the clamping mechanism finger tight.
- In principle, only clamping flanges having a contact surface with the same outer diameter and which are identically shaped on the contact side are to be used. According to relevant US standard, for wheels of type 27 and 28 equal to or greater than 7" (180 mm) the locking nut shall seat within the depressed portion of the wheel. The flange adjacent to the wheel shall be equal to or greater than one-third of the wheel diameter and the outer part of the flange shall be free and clear from the wheel. For details see ANSI B7.1.
- If required, use blotters between the abrasive wheel and clamping components.
- Prevent the grinder from accidentally turning on, by disconnecting the power supply before mounting or changing the abrasive wheel.
- Never exceed the maximum operating speed of an abrasive wheel. Make sure that the speed of the grinder (rev/min, 1/min, RPM or min-1) does not exceed the maximum permissible speed given on the abrasive wheel, the accompanying label or packaging.
- Do not make any unauthorized changes to abrasive wheels.
- If a diamond cut-off wheel is marked with a specified direction of rotation, this must be complied with.
- Each time that a wheel is mounted, perform a trial run at operating speed with the guard properly installed, for at least 1 minute. During the trial run, hold the grinder in such a way that in the event of any failure of the abrasive wheel you are not struck by any fragments.
- Stationary cut-off wheels must only be used on appropriate stationary cut-off grinding machines. They are not permitted for hand-held or manually guided grinding. The maximum permitted power output must never be exceeded, in case there is a marking on the label.
- Clamping flanges for stationary cut-off wheels must meet today's requirements according to ANSI B7.1. Our PFERD sales department will be happy to advise you.

Use of abrasive wheels

- Ensure that the correct abrasive product is selected. Never use a product if it cannot be properly identified.
- Always be aware of the potential dangers during use of abrasive wheels.
- Always use protective equipment and guards in compliance with the operating instructions for the grinder and make sure they are properly mounted and in good condition, before you switch on the grinder.
- Comply with the ANSI B7.1 regulations on safety guards depending on the mounted wheel:
  - Type 1 wheels must be used with a guard covering at least 180° of the lateral wheel surface and face.
  - Type 6 and 11 cup wheels must be used with a guard covering 180° of the wheel's lateral surface towards the operator and the wheel's face towards the driving flange. Additionally, the guard must have a height-adjustable skirt.
  - Type 27, 28, and 29 wheels must be used with a guard covering 180° of the wheels lateral surface towards the operator and the wheel's face towards the driving flange. Additionally, the outer edge of the guard has to provide a lip curling inward at the whole 180° coverage in order to protect the user in case of wheel breakage.
- The workpiece must be fixed without tension by appropriate clamping devices or by its own weight.
- The grinder must always be turned on before the abrasive wheel comes into contact with the workpiece.
- Always bring abrasive wheels carefully into contact with the workpiece surface.
- Always guide cut-off wheels in a straight line. No lateral load should be applied to the cut-off wheel and it should not be used for face grinding.
- Only use diamond cut-off wheels on materials listed on the label.
- Grinders may only be put down once they have been turned off and have come to a complete stop.

Hazards due to product breakage, abrasive particles, sparks, dust, fumes, noise, vibration and bodily contact with the abrasive product at operation speed

- Warning! The grinding process may generate dust and fumes. Inhalation of grinding dust can lead to severe lung damage. Sufficient extraction or other appropriate measures must be provided and appropriate personal protective equipment must be worn at all times.
- The use of appropriate personal protective equipment is required for all grinding operations to provide protection against mechanical impacts, abrasive particles, sparks, dust and fumes, noise and vibration. This includes eye protection, ear protection, respiratory protection and hand protection. Long-sleeved, flame-resistant clothing and appropriate safety footwear must be worn. Tie back long hair and do not wear loose clothing, ties or jewelry. These rules apply not only to the operator of the grinder but also to any other persons in the working environment.
- Predominantly, dust and fumes in a grinding process originate from the workpiece material. Review the Safety Data Sheet (SDS) of the workpiece material.
- Do not use abrasive wheels in the vicinity of flammable materials.
- Flammable and explosive substances must be removed from the working environment before starting work. This includes, for example, dust deposits, cardboard, packaging material, textiles, wood and wood chips, as well as flammable liquids and gases.
- In the event of excessive vibrations stop the grinder and investigate these. Take immediate action if, when using an abrasive wheel, you begin to experience tingling, stinging or numbness in the hand or arms.
- Prevent accidental start-up of the grinder before mounting or changing an abrasive product. Isolate grinders from their power source where necessary.
- Never remove guards from grinders where fitted and ensure they are in good condition and properly adjusted before starting the grinder.
- After switching off the grinder, ensure the product has come to rest before leaving the grinder unattended.

Disposal of abrasive wheels

- Worn or defective abrasive wheels must be disposed of according to all local and/or national regulations.
- Note that abrasive wheels may become contaminated by work on certain materials.
- Abrasive wheels for disposal should be destroyed in a clearly visible manner in order to prevent re-use.
- Further information can be obtained from Voluntary Product information provided by the supplier.

PFERD

Cut-off wheels

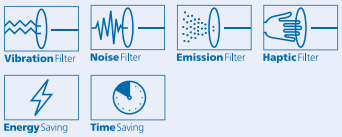
6

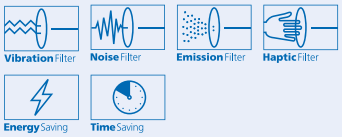
Cut-off wheels
Quick product selection guide

Product group selection guide

Power tool	Application	Product line	Steel (STEEL)	Stainless steel (INOX)	Aluminum (ALU)	Cast iron (CAST)	Stone (STONE)
Angle grinder	Cutting	Universal Line PSF ★★☆☆	 PSF STEEL Page 12  PSF STEELOX Page 13	 PSF STEELOX Page 13			
		Performance Line SG ★★★☆	 SG STEEL Page 15  SG STEELOX Page 16	 SG INOX Page 17  SG STEELOX Page 16	 SG ALU Page 18		
		Special Line SGP ★★★★	 SGP CERAMIC STEEL Page 19  SGP STEELOX Page 20	 SGP STEELOX Page 20			
	Cutting and grinding	Universal Line PSF ★★☆☆	 PSF DUO STEELOX Page 14	 PSF DUO STEELOX Page 14			
Die grinder	Cutting	Performance Line SG ★★★☆	 SG STEELOX Page 24	 SG STEELOX Page 24	 SG STEELOX Page 24	 SG STEELOX Page 24	
Circular saw	Cutting	Performance Line SG ★★★☆	 SG STEELOX Page 21	 SG STEELOX Page 21			
Portable gas saw, cut-off grinder	Cutting	Performance Line SG ★★★☆	 SG STEEL Page 22			 SG CAST + STONE Page 23	 SG STONE Page 23  SG CAST + STONE Page 23

Cut-off wheel width selection

Diameter 4-5”			PFERDVALUE®
Thin cut-off wheels	.030”	Maximum precision and cutting quality for sheet metal work	
	.040”	Universal width with a focus on speed, comfort and cutting quality	
	.045”	Universal width with a focus on service life and comfort	
Cut-off wheels	> .045”	Heavy-duty use	-

Diameter 6-9”			PFERDVALUE®
Thin cut-off wheels	< 3/32”	Universal width with a focus on speed, comfort and cutting quality	
Cut-off wheels	3/32”	Universal width with a focus on service life and comfort	-
	> 3/32”	Heavy-duty use	-

Thin cut-off wheels
PFERD is a global leader in performance and safety of thin cut-off wheels. We maximize the performance and benefits for our users with
- Thinner, faster cutting with minimal burr formation
- Highest possible productivity
- Comfort and safety

Intensive research, development and targeted implementation in our state-of-the-art production facilities guarantee the highest quality and compliance with safety standards.

High quality standards, in conjunction with design principles that are focused on the ergonomics of operator health and safety, play a prominent role at PFERD.

Thin cut-off wheels for cordless angle grinders
.040” cut-off wheels are highly recommended for cordless angle grinders due to their narrow kerf, superior cutting characteristics and optimal handling. They deliver more cuts per battery charge, making them very economical.

Cut-off wheels
Universal Line PSF ★★☆☆

PSF STEEL ★★☆☆

Fast-cutting cut-off wheel for steel with long service life.

Advantages:
- Reduced cutting time.
- Increased economic efficiency due to long service life.

Workpiece materials:
steel

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

Abrasive:
Aluminum oxide A

Technical information:
A 46 P

PFERDVALUE®:
Thin cut-off wheels:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
4	.040	5/8	69940	15,300	25
	.045	5/8	69944	15,300	25
4-1/2	.040	7/8	69945	13,300	25
	.045	7/8	69949	13,300	25
5	.040	7/8	69950	12,200	25
	.045	7/8	69954	12,200	25
6	.045	7/8	69964	10,200	25
Depressed centre (type 27/42) – plain arbor hole					
4-1/2	.045	7/8	69908	13,300	25
	3/32	7/8	69909	13,300	25
5	.045	7/8	69910	12,200	25
	3/32	7/8	69911	12,200	25
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.045	5/8-11	69912	13,300	10
	3/32	5/8-11	69913	13,300	10
5	.045	5/8-11	69914	12,200	10
	3/32	5/8-11	69915	12,200	10

Accessories

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 wheel control, especially with 7" and 9" diameter thin cut-off wheels (≤ .080" thickness).

D [Inches]	Machine spindle thread [Inches]	EDP number	
3	5/8-11	69038	1

PSF STEELOX ★★☆☆

Fast-cutting cut-off wheel for steel and stainless steel (INOX) with long service life.

Advantages:
- Single solution for steel and stainless steel (INOX).
- Reduced cutting time.
- Increased economic efficiency due to long service life.
- Ideal for use with cordless angle grinders.

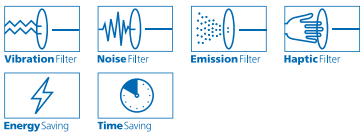
Workpiece materials:
steel, stainless steel (INOX)

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

Abrasive:
Aluminum oxide A

Technical information:
A 46 P

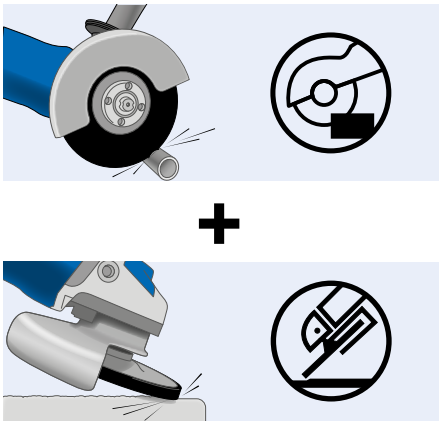
PFERDVALUE®:
Thin cut-off wheels:



D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
4-1/2	.040	7/8	63540	13,300	25
	.045	7/8	63550	13,300	25
5	.040	7/8	63541	12,200	25
	.045	7/8	63551	12,200	25
6	.045	7/8	63559	10,200	25
7	.045	7/8	63553	8,500	25
	3/32	7/8	63566	8,500	25
9	.065	7/8	63554	6,600	25
	3/32	7/8	63567	6,600	25
Depressed centre (type 27/42) – plain arbor hole					
4-1/2	.045	7/8	63717	13,300	25
	3/32	7/8	63718	13,300	25
5	.045	7/8	63719	12,200	25
	3/32	7/8	63720	12,200	25
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.045	5/8-11	63721	13,300	10
	3/32	5/8-11	63722	13,300	10
5	.045	5/8-11	63723	12,200	10
	3/32	5/8-11	63724	12,200	10

DUODISC®

The DUODISC® combination wheel is the safest solution for cutting and grinding with just one wheel. It meets the strictest requirements stated in global safety standards for cutting and grinding wheels.



Advantages:

- Safe solution for cutting and surface grinding with just one wheel.
- Time savings due to reduced wheel changes when alternating between cutting and surface grinding.
- Single solution for steel and stainless steel (INOX).
- .065" thickness is ideal for cordless angle grinders.
- Excellent solution for mill scale.

PSF DUODISC® STEELOX combination wheel ★★☆☆

Combination wheel for steel and stainless steel (INOX) with fast cutting action and long service life.

Workpiece materials:
steel, stainless steel (INOX)

Applications:
cutting, deburring, surface grinding, fillet weld grinding, notching, weld dressing

Abrasive:
Aluminum oxide A

Technical information:
A 46 P

PFERDVALUE®:
TimeSaving

D [Inches]	T [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	.065	7/8	63320	13,300	10
	1/8	7/8	63333	13,300	10
5	.065	7/8	63321	12,200	10
	1/8	7/8	63334	12,200	10
6	1/8	7/8	63335	10,200	10
7	1/8	7/8	63336	8,500	10
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.065	5/8-11	63326	13,300	10
	1/8	5/8-11	63339	13,300	10
5	.065	5/8-11	63327	12,200	10
	1/8	5/8-11	63340	12,200	10
6	1/8	5/8-11	63341	10,200	10
7	1/8	5/8-11	63342	8,500	10

SG STEEL ★★★☆

Fast-cutting cut-off wheel for steel with very long service life.

Advantages:
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.

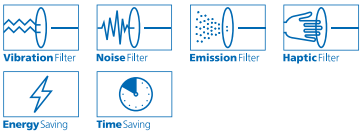
Workpiece materials:
steel

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

Abrasive:
High-performance aluminum oxide A

Technical information:
A 46 S

PFERDVALUE®:
Thin cut-off wheels:



D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
4	3/32	5/8	63502	15,300	25
4-1/2	.040	7/8	69947	13,300	25
	.045	7/8	69934	13,300	25
	3/32	7/8	63503	13,300	25
5	.040	7/8	69952	12,200	25
	.045	7/8	69955	12,200	25
	3/32	7/8	63505	12,200	25
6	.045	7/8	69965	10,200	25
7	.045	7/8	69975	8,500	25
	1/8	7/8	63508	8,500	25
9	1/8	7/8	63510	6,600	25
Depressed centre (type 27/42) – plain arbor hole					
4	3/32	5/8	63102	15,300	25
4-1/2	.045	7/8	63162	13,300	25
	3/32	7/8	63103	13,300	25
	1/8	7/8	63104	13,300	25
5	.045	7/8	63163	12,200	25
	3/32	7/8	63105	12,200	25
	1/8	7/8	63106	12,200	25
6	.045	7/8	63164	10,200	25
	1/8	7/8	63107	10,200	25
7	.045	7/8	63165	8,500	25
	1/8	7/8	63109	8,500	25
9	1/8	7/8	63111	6,600	25
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.045	5/8-11	63182	13,300	10
	3/32	5/8-11	63114	13,300	10
	1/8	5/8-11	63115	13,300	10
5	.045	5/8-11	63183	12,200	10
	3/32	5/8-11	63116	12,200	10
	1/8	5/8-11	63117	12,200	10
6	.045	5/8-11	63184	10,200	10
	1/8	5/8-11	63119	10,200	10
7	1/8	5/8-11	63112	8,500	10
9	1/8	5/8-11	63113	6,600	10

Cut-off wheels
Performance Line SG ★★★☆

SG STEELOX ★★★☆

Fast-cutting cut-off wheel for steel and stainless steel (INOX) with very long service life.

Advantages:
- Single solution for steel and stainless steel (INOX).
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.

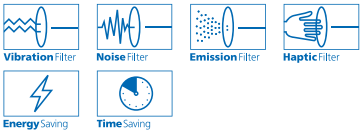
Workpiece materials:
steel, stainless steel (INOX)

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

Abrasive:
High-performance aluminum oxide A

Technical information:
A 46 R

PFERDVALUE®:
Thin cut-off wheels:



D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
4	.040	5/8	69943	15,300	25
	.045	5/8	63613	15,300	25
4-1/2	.040	7/8	69948	13,300	25
	.045	7/8	63607	13,300	25
5	.040	7/8	69953	12,200	25
	.045	7/8	63608	12,200	25
6	.045	7/8	63614	10,200	25
7	.045	7/8	63616	8,500	25
	3/32	7/8	63609	8,500	25
9	3/32	7/8	63611	6,600	25
Depressed centre (type 27/42) – plain arbor hole					
4-1/2	.045	7/8	63167	13,300	25
	3/32	7/8	63202	13,300	25
	1/8	7/8	63204	13,300	25
5	.045	7/8	63168	12,200	25
	3/32	7/8	63205	12,200	25
	1/8	7/8	63206	12,200	25
6	.045	7/8	63169	10,200	25
	3/32	7/8	63208	10,200	25
7	.045	7/8	63170	8,500	25
	3/32	7/8	63207	8,500	25
9	3/32	7/8	63209	6,600	25
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.045	5/8-11	63187	13,300	10
	3/32	5/8-11	63212	13,300	10
	1/8	5/8-11	63213	13,300	10
5	.045	5/8-11	63188	12,200	10
	3/32	5/8-11	63214	12,200	10
	1/8	5/8-11	63215	12,200	10
6	.045	5/8-11	63189	10,200	10
	3/32	5/8-11	63216	10,200	10
7	3/32	5/8-11	63210	8,500	10
9	3/32	5/8-11	63211	6,600	10

SG INOX ★★★☆

Fast-cutting cut-off wheel for stainless steel (INOX) with very long service life.

Advantages:
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.

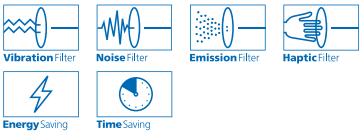
Workpiece materials:
stainless steel (INOX)

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

Abrasive:
High-performance aluminum oxide A

Technical information:
A 46 R

PFERDVALUE®:
Thin cut-off wheels:



D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
4-1/2	.030	7/8	63641	13,300	25
	.040	7/8	63642	13,300	25
	.045	7/8	63643	13,300	25
5	.030	7/8	63645	12,200	25
	.040	7/8	63646	12,200	25
	.045	7/8	63647	12,200	25
6	.045	7/8	63649	10,200	25
7	.045	7/8	63650	8,500	25
	3/32	7/8	63651	8,500	25
9	.065	7/8	63653	6,600	25
	3/32	7/8	63654	6,600	25
Depressed centre (type 27/42) – plain arbor hole					
4-1/2	.045	7/8	63713	13,300	25
	3/32	7/8	63644	13,300	25
5	.045	7/8	63714	12,200	25
	3/32	7/8	63648	12,200	25
7	3/32	7/8	63652	8,500	25
9	3/32	7/8	63655	6,600	25
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.045	5/8-11	63711	13,300	10
	3/32	5/8-11	63707	13,300	10
5	.045	5/8-11	63712	12,200	10
	3/32	5/8-11	63708	12,200	10
7	3/32	5/8-11	63709	8,500	10
9	3/32	5/8-11	63710	6,600	10

Cut-off wheels
Performance Line SG ★★★☆

SG ALU ★★★☆

Fast-cutting cut-off wheel for aluminum and other non-ferrous metals with very long service life.

Advantages:
- Operates without the cutting wheel loading even on soft aluminum alloys due to the special abrasive mixture and bond formula.
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.
- Contains no fillers that could leave residues on the workpiece. The surface can be welded immediately.

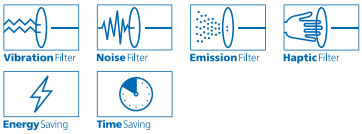
Workpiece materials:
aluminum, other non-ferrous metals

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

Abrasive:
High-performance aluminum oxide A and silicon carbide C

Technical information:
C 30 N

PFERDVALUE®:
Thin cut-off wheels:



D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
4-1/2	.040	7/8	63589	13,300	25
	.045	7/8	63595	13,300	25
	3/32	7/8	63602	13,300	25
5	.040	7/8	63590	12,200	25
	.045	7/8	63596	12,200	25
	3/32	7/8	63603	12,200	25
6	.045	7/8	63597	10,200	25
7	.045	7/8	63598	8,500	25
	1/8	7/8	63605	8,500	25
9	1/8	7/8	63606	6,600	25
Depressed centre (type 27/42) – plain arbor hole					
4-1/2	.045	7/8	63177	13,300	25
	3/32	7/8	63131	13,300	25
5	.045	7/8	63178	12,200	25
	3/32	7/8	63133	12,200	25
6	.045	7/8	63179	10,200	25
7	.045	7/8	63180	8,500	25
	1/8	7/8	63135	8,500	25
9	1/8	7/8	63136	6,600	25
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.045	5/8-11	63197	13,300	10
	3/32	5/8-11	63137	13,300	10
5	.045	5/8-11	63198	12,200	10
	3/32	5/8-11	63139	12,200	10
6	.045	5/8-11	63199	10,200	10
7	1/8	5/8-11	63141	8,500	10
9	1/8	5/8-11	63142	6,600	10

CERAMIC

Fast-cutting cut-off wheel with ceramic oxide grain for steel with outstanding service life. Optimized for use on steel workpieces with larger cross sections.

Advantages:

- Super fast-cutting even on large cross sections due to high-performance ceramic oxide grain in a special bond formula.
- Maximum economic efficiency due to very long service life.

CERAMIC SGP STEEL ★★★★

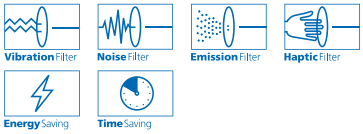
Workpiece materials:
steel

Applications:
cutting large cross-sections, cutting solid materials

Abrasive:
Ceramic oxide CO

Technical information:
CO 46 Q

PFERDVALUE®:
Thin cut-off wheels:



D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
4-1/2	.040	7/8	63657	13,300	25
	.045	7/8	63658	13,300	25
	.080	7/8	63659	13,300	25
5	.040	7/8	63660	12,200	25
	.045	7/8	63661	12,200	25
	.080	7/8	63662	12,200	25
6	.045	7/8	63663	10,200	25
7	.045	7/8	63664	8,500	25
	3/32	7/8	63665	8,500	25
9	.065	7/8	63666	6,600	25
	3/32	7/8	63668	6,600	25
Depressed centre (type 27/42) – plain arbor hole					
4-1/2	.045	7/8	63639	13,300	25
5	.045	7/8	63640	12,200	25
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.045	5/8-11	63669	13,300	10
5	.045	5/8-11	63670	12,200	10

Cut-off wheels
Special Line SGP ★★★★

SGP STEELOX ★★★★

Fast-cutting cut-off wheel for steel and stainless steel (INOX) with an excellent service life. Specially optimized for use on thin metal sheets and hollow sections.

Advantages:
- Excellent service life on thin sheet metal and hollow sections due to hard, wear-resistant bond formula.
- Single solution for steel and stainless steel (INOX).
- Reduced cutting time.

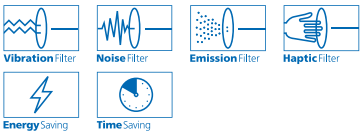
Workpiece materials:
steel, stainless steel (INOX)

Applications:
cutting thin sheet metal and hollow sections

Abrasive:
High-performance aluminum oxide A

Technical information:
A 46 S

PFERDVALUE®:
Thin cut-off wheels:



D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
4-1/2	.030	7/8	69817	13,300	25
	.040	7/8	69845	13,300	25
	.045	7/8	69846	13,300	25
	3/32	7/8	63635	13,300	25
5	.030	7/8	69818	12,200	25
	.040	7/8	69855	12,200	25
	.045	7/8	69857	12,200	25
	3/32	7/8	63636	12,200	25
6	.045	7/8	69865	10,200	25
7	.045	7/8	69872	8,500	25
	3/32	7/8	63533	8,500	25
	1/8	7/8	63637	8,500	25
9	.065	7/8	63633	6,600	25
	3/32	7/8	63638	6,600	25
Depressed centre (type 27/42) – plain arbor hole					
4-1/2	.045	7/8	63172	13,300	25
	3/32	7/8	63231	13,300	25
5	.045	7/8	63173	12,200	25
	3/32	7/8	63233	12,200	25
6	.045	7/8	63174	10,200	25
7	.045	7/8	63175	8,500	25
	3/32	7/8	63235	8,500	25
9	3/32	7/8	63236	6,600	25
Depressed centre (type 27/42) – threaded arbor hole					
4-1/2	.045	5/8-11	63192	13,300	10
	3/32	5/8-11	63237	13,300	10
5	.045	5/8-11	63193	12,200	10
	3/32	5/8-11	63239	12,200	10
6	.045	5/8-11	63194	10,200	10
7	3/32	5/8-11	63241	8,500	10
9	3/32	5/8-11	63242	6,600	10

SG STEELOX ★★★☆

Fast-cutting universal cut-off wheel for use on circular saws with a very long service life. Available in diamond and round arbor hole styles. Diamond version includes 5/8" and 1/2" adapters.

Advantages:
- Single solution for steel and stainless steel (INOX).
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.

Workpiece materials:
steel, stainless steel (INOX)

Applications:
cutting

Abrasive:
Aluminum oxide A

Technical information:
A 24 S

D [Inches]	T [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole diamond bore					
7	1/8	Diamond, 5/8 - 1/2	63842	8,500	25
8	1/8	Diamond, 5/8 - 1/2	63843	7,600	25
Flat (type 1/41) – plain arbor hole 5/8 round bore					
7	.045	5/8	63667	8,500	25
8	1/8	5/8	63853	7,600	25

Cut-off wheels for portable gas saws

Performance Line SG ★★★☆

PFERD portable wheels offer market-leading performance. Manufactured with a combination of heavy reinforcement and a high concentration of premium abrasive grain, they are the preferred brand of professional contractors, demolition personnel, rescue personnel and municipalities. They withstand extremely tough operating environments with high consistency and reliability. Designed for operator safety and comfort.

These wheels generate unparalleled productivity resulting in overall cost-savings.

SG STEEL ★★★☆

Fast-cutting cut-off wheel for use with portable gas saws featuring a very long service life.

Advantages:
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.

Workpiece materials:
steel, cast iron

Applications:
cutting

Abrasive:
Premium aluminum oxide A

Technical information:
A 24 S

D [Inches]	T [Inches]	H	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
12	1/8	20 mm	64010	6,400	20
	1/8	1″	64015	6,400	20
14	3/16	20 mm	64016	5,500	10
	3/16	1″	64018	5,500	10
16	3/16	20mm	64020	4,800	10
	3/16	1″	64019	4,800	10

SG STONE ★★★☆

Fast-cutting cut-off wheel for use with portable gas saws featuring a very long service life.

Advantages:
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.

Workpiece materials:
cast iron, reinforced concrete, ductile cast iron

Applications:
cutting

Abrasive:
Silicon carbide C

Technical information:
C 24 R

D [Inches]	T [Inches]	H	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
12	1/8	20 mm	64230	6,400	20
14	3/16	20 mm	64236	5,500	10
	3/16	1″	64238	5,500	10
16	3/16	1″	64239	4,800	10

SG CAST + STONE ★★★☆

Fast-cutting cut-off wheel for use with portable gas saws featuring a very long service life.

Advantages:
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.

Workpiece materials:
stone, cast iron, aluminum, other non-ferrous materials, concrete, asphalt

Applications:
cutting

Abrasive:
Special aluminum oxide A and silicon carbide C

Technical information:
AC 24 Q

D [Inches]	T [Inches]	H	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
12	1/8	20 mm	64118	6,400	20
	1/8	1″	64120	6,400	20
14	3/16	20 mm	64123	5,500	10
	3/16	1″	64124	5,500	10
16	3/16	20mm	64117	4,800	10

Cut-off wheels for die grinders
Performance Line SG ★★★☆

SG STEELOX ★★★☆

Fast-cutting universal cut-off wheel for use on die grinders with a very long service life.

Advantages:
- Ideal for hard-to-reach areas.
- Universal cut-off wheel for all metals.
- Reduced cutting time.
- Maximum economic efficiency due to very long tool life.

Workpiece materials:
steel, stainless steel (INOX), nickel-based alloys, cast iron, aluminum, other non-ferrous metals

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

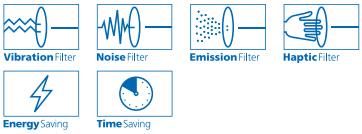
Abrasive:
High-performance aluminum oxide A

Technical information:
A 60 P

Ordering notes:
- Please order the matching arbor separately.

Safety notes:
- Observe the maximum rotational speed for the cut-off wheel and arbor stated on the enclosed instruction sheets – the lower of the two sets the limit.

PFERDVALUE®:
Thin cut-off wheels:



D [Inches]	T [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41) – plain arbor hole					
2	.040	1/4	69201	30,000	50
		3/8	69203	30,000	50
	.045	1/4	69207	30,000	50
		3/8	69211	30,000	50
	1/8	3/8	69217	30,000	50
3	.040	1/4	69301	25,000	50
		3/8	69303	25,000	50
	.045	1/4	69305	25,000	50
		3/8	69309	25,000	50
	1/8	3/8	69317	25,000	50
4	.040	1/4	69401	19,000	25
		3/8	69403	19,000	25
	.045	1/4	69405	19,000	25
		3/8	69411	19,000	25
	1/8	3/8	69420	19,000	25

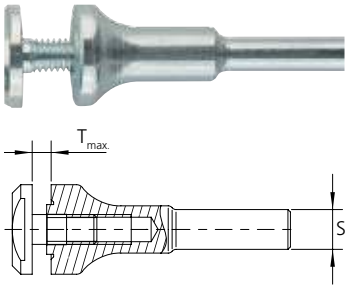
Arbors for small cut-off wheels

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

Safety notes:

- For use on PFERD small cut-off wheels ranging from 2" up to 4" in diameter.
- Observe the maximum rotational speed for the cut-off wheel and arbor – the lower speed takes precedence (see table to the right).
- Slide in the mandrel as far as possible into the collet of your power tool, i.e. the conical part of the mandrel beginning just after the collet.

Cut-off wheel diameter [Inches]	Max. RPM
2	30,000
3	20,000
4	15,000



Max. wheel dia. [Inches]	Fits arbor hole size [Inches]	EDP number	Shank dia. (S) [Inches]	Clamping width (T) [Inches]	Flange dia. [Inches]	Overall Length [Inches]	
3	1/4	69026	1/4	0 - 5/16	3/4	2-1/8	1
	3/8	69027	1/4	0 - 5/16	3/4	2-1/8	1
	1/4, 3/8	69028	1/4	0 - 5/16	3/4	2-1/8	1
4	1/4	69033	1/4	0 - 5/16	1	2-1/8	1
	3/8	69034	1/4	0 - 5/16	1	2-1/8	1
	1/4, 3/8	69035	1/4	0 - 5/16	1	2-1/8	1

POLIFAN® flap discs

Product group selection guide

Application	Product line	Steel (STEEL)	Stainless steel (INOX)	Aluminum (ALU)
■ Surface grinding ■ Work on weld seams ■ Blending	Universal Line PSF ★★☆☆	 Z PSF STEELOX Page 29  Z PSF EXTRA STEELOX Page 30  Z PSF TRIM STEELOX Page 31	 Z PSF STEELOX Page 29  Z PSF EXTRA STEELOX Page 30  Z PSF TRIM STEELOX Page 31	
	Performance Line SG ★★★☆	 A SG STEELOX Page 32  Z SG POWER STEELOX Page 34	 A-COOL SG INOX + ALU Page 33  CO-FREEZE SG INOX Page 36	 A-COOL SG INOX + ALU Page 33
	Special Line SGP ★★★★	 Z SGP STRONG STEEL Page 37		
■ Chamfering ■ Deburring	Universal Line PSF ★★☆☆	 Z PSF STEELOX Page 29  Z PSF EXTRA STEELOX Page 30  Z PSF TRIM STEELOX Page 31	 Z PSF STEELOX Page 29  Z PSF EXTRA STEELOX Page 30  Z PSF TRIM STEELOX Page 31	
	Performance Line SG ★★★☆	 Z SG POWER STEELOX Page 34	 Z SG POWER STEELOX Page 34  CO-COOL SG STEELOX Page 35	 A-COOL SG INOX + ALU Page 33
	Special Line SGP ★★★★	 Z SGP STRONG STEEL Page 37		
■ Work on fillet welds	Special Line SGP ★★★★	 Z SGP CURVE STEELOX Page 38	 CO SGP CURVE STEELOX Page 39	 A SGP CURVE ALU Page 39

Abrasive: A = aluminum oxide, Z = zirconia alumina, CO = ceramic oxide
Coatings: COOL = Special topsizing, FREEZE = Special topsizing for ultra-cool grinding

Grit size selection

Application	Grit size 36/40	50/60	80	120
Work on weld seams	■	■		
Chamfering	■	■		
Deburring		■	■	
Prepare surface for finishing		■	■	■

Note: With POLIFAN® flap discs, grit that is one grade coarser can be selected in order to achieve the same surface finish as with fibre discs.

Shape selection

Shape	Application
Flat type PFF (type 27)	Larger grinding area for surface grinding. An optimal contact angle of 0–15° offers maximum flap disc usage.
Conical type PFC (type 29)	Narrower grinding area for work on weld seams, chamfering and deburring. An optimal contact angle of 10–25° offers maximum flap disc usage.
Radial type PFR (CURVE)	Unique design for work on fillet welds. After the circumference has worn down, it can still be used as a conventional flap disc.

POLIFAN® flap discs
Highlights from the PFERD range

POLIFAN®-POWER

For demanding requirements, the high-performance POLIFAN® Z-SG-POWER flap disc is the first choice for the machining of steel. This versatile POLIFAN® flap disc offers an optimal combination of outstanding service life and extremely high stock removal rates.

Advantages:
- Reduced labour time and maximum economic efficiency due to the aggressive stock removal rate.
- Maintains maximum aggressiveness throughout the entire service life.
- Fewer wheel changes due to the excellent service life.

For more information see page 34.

POLIFAN®-STRONG

Users who rely on top performance choose the POLIFAN®-STRONG flap disc. It surpasses conventional flap discs and redefines the highest levels of efficiency. With its patented and unique design, it achieves an unsurpassed stock removal rate. It also has an astonishingly long service life over conventional flap discs.

Advantages:
- Fast grinding through constant grinding aggressiveness down to the last abrasive grain.
- Ultimate economic efficiency due to the extremely fast stock removal rate.
- Extremely long service life due to its patented flap design.

For more information see page 37.

POLIFAN®-CURVE

The patented flap disc POLIFAN®-CURVE has been specially developed for work on fillet welds. It is the only flap disc in the world featuring a radial configuration of flaps allowing for grinding with all surfaces of the disc.

Advantages:
- High stock removal rate ensures reduced labour time and significant increase in productivity.
- Outstanding service life when working on fillet welds.
- Precise and optimum grinding of the fillet weld geometry.
- Excellent surface finish allows for easier visual inspections of the fillet weld.

For more information see page 38.

Z PSF STEELOX ★★☆☆

Zirconia alumina flap disc with aggressive stock removal rate and long service life.

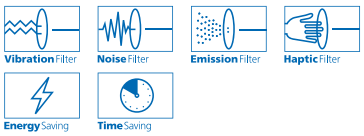
Advantages:
- Reduced labour time and increased economic efficiency due to the aggressive stock removal rate.
- Long service life.
- Good option for low-powered angle grinders (< 9 amps).

Workpiece materials:
steel, stainless steel (INOX)

Applications:
surface grinding, weld dressing, blending, chamfering, deburring

Abrasive:
Zirconia alumina Z

PFERDVALUE®:



D [Inches]	H [Inches]	Grit and EDP number				Max. RPM	
		40	60	80	120		
Flat (type 27, PFF) – plain arbor hole							
4-1/2	7/8	62014	62015	62016	-	13,300	10
5	7/8	63011	63012	63013	-	12,200	10
6	7/8	63051	63052	-	-	10,200	10
7	7/8	62024	62025	62026	-	8,500	10
Conical (type 29, PFC) – plain arbor hole							
4-1/2	7/8	62052	62053	62054	62055	13,300	10
5	7/8	63031	63032	63033	63034	12,200	10
6	7/8	63071	63072	-	-	10,200	10
7	7/8	62062	62063	62064	62065	8,500	10
Flat (type 27, PFF) – threaded arbor hole							
4-1/2	5/8-11	62033	62034	62035	-	13,300	10
5	5/8-11	63015	63016	63017	-	12,200	10
6	5/8-11	63056	63057	-	-	10,200	10
7	5/8-11	62043	62044	62045	-	8,500	10
Conical (type 29, PFC) – threaded arbor hole							
4-1/2	5/8-11	62071	62072	62073	62074	13,300	10
5	5/8-11	63035	63036	63037	63038	12,200	10
6	5/8-11	63076	63077	-	-	10,200	10
7	5/8-11	62081	62082	62083	62084	8,500	10

POLIFAN® flap discs
Universal Line PSF ★★☆☆

Z PSF EXTRA STEELOX ★★☆☆

Zirconia alumina flap disc with aggressive stock removal rate and long service life.

Advantages:
- Reduced labour time and increased economic efficiency due to the aggressive stock removal rate.
- Very long service life due to the high-density flap arrangement.
- Good option for low-powered angle grinders (< 9 amps).

Workpiece materials:
steel, stainless steel (INOX)

Applications:
surface grinding, weld dressing, blending, chamfering, deburring

Abrasive:
Zirconia alumina Z

PFERDVALUE®:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	H [Inches]	Grit and EDP number					Max. RPM	
		36	40	60	80	120		
Flat (type 27, PFF) – plain arbor hole								
4-1/2	7/8	60457	60458	60460	60461	60462	13,300	10
5	7/8	60464	60465	60467	60468	60469	12,200	10
7	7/8	60478	60479	60481	-	-	8,500	10
Conical (type 29, PFC) – plain arbor hole								
4-1/2	7/8	60625	60626	60628	60629	60630	13,300	10
5	7/8	60632	60633	60635	60636	60637	12,200	10
6	7/8	60639	60640	60642	60643	60644	10,200	10
7	7/8	60646	60647	60649	-	-	8,500	10
Flat (type 27, PFF) – threaded arbor hole								
4-1/2	5/8-11	60485	60486	60488	60489	60490	13,300	10
5	5/8-11	60492	60493	60495	60496	60497	12,200	10
7	5/8-11	60506	60507	60509	-	-	8,500	10
Conical (type 29, PFC) – threaded arbor hole								
4-1/2	5/8-11	60653	60654	60656	60657	60658	13,300	10
5	5/8-11	60660	60661	60663	60664	60665	12,200	10
6	5/8-11	60667	60668	60670	60671	60672	10,200	10
7	5/8-11	60674	60675	60677	-	-	8,500	10

Z PSF TRIM STEELOX ★★☆☆

Zirconia alumina flap disc with trimmable plastic backer. Aggressive stock removal rate and long service life.

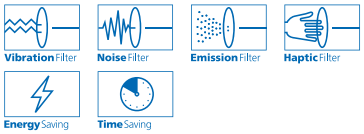
Advantages:
- Reduced labour time and increased economic efficiency due to the aggressive stock removal rate.
- Long service life.
- Plastic backer can be trimmed to expose unused coated material once the outside edge has worn down.
- Good option for low-powered angle grinders (< 9 amps).

Workpiece materials:
steel, stainless steel (INOX)

Applications:
surface grinding, weld dressing, blending, chamfering, deburring

Abrasive:
Zirconia alumina Z

PFERDVALUE®:



D [Inches]	H [Inches]	Grit and EDP number			Max. RPM	
		40	60	80		
Flat (type 27, PFF) – plain arbor hole						
4-1/2	7/8	68098	68099	68100	13,300	10
5	7/8	68104	68105	68106	12,200	10
Flat (type 27, PFF) – threaded arbor hole						
4-1/2	5/8-11	68158	68159	68160	13,300	10
5	5/8-11	68164	68165	68166	12,200	10

POLIFAN® flap discs
Performance Line SG ★★★☆

A SG STEELOX ★★★☆

Aluminum oxide flap disc with high stock removal rate and very long service life.

Advantages:
- Reduced labour time and increased economic efficiency due to the high stock removal rate.
- Fewer tool changes due to the very long tool life.

Workpiece materials:
steel, stainless steel (INOX)

Applications:
surface grinding, weld dressing, blending

Abrasive:
Aluminum oxide A

PFERDVALUE®:
Vibration Filter, Noise Filter, Emission Filter, Haptic Filter, Energy Saving, Time Saving

D [Inches]	H [Inches]	Grit and EDP number				Max. RPM	
		40	60	80	120		
Flat (type 27, PFF) – plain arbor hole							
4	5/8	62140	62142	62144	62146	15,300	10
4-1/2	7/8	62150	62152	62154	62156	13,300	10
5	7/8	62158	62160	62162	62164	12,200	10
7	7/8	62168	62170	62172	62174	8,500	10
Conical (type 29, PFC) – plain arbor hole							
4-1/2	7/8	62202	62203	62204	62205	13,300	10
5	7/8	62213	62214	62215	62216	12,200	10
7	7/8	62208	62209	62210	62211	8,500	10
Flat (type 27, PFF) – threaded arbor hole							
4-1/2	5/8-11	62250	62252	62254	62256	13,300	10
5	5/8-11	62258	62260	62262	62264	12,200	10
7	5/8-11	62268	62270	62272	62274	8,500	10
Conical (type 29, PFC) – threaded arbor hole							
4-1/2	5/8-11	62302	62303	62304	62305	13,300	10
5	5/8-11	62313	62314	62315	62316	12,200	10
7	5/8-11	62308	62309	62310	62311	8,500	10

A-COOL SG INOX + ALU ★★★☆

Top-sized aluminum oxide flap disc with particularly cool grinding on materials with poor thermal conduction such as stainless steel (INOX) and aluminum.

Advantages:
- Less heat generation compared to conventional flap discs.
- Special top-sized abrasive material prevents loading on soft metals such as aluminum.

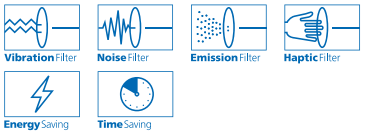
Workpiece materials:
stainless steel (INOX), aluminum, other non-ferrous metals

Applications:
surface grinding, weld dressing, blending, chamfering, deburring

Abrasive:
Aluminum oxide A with cooling topsizing (COOL)

Recommendations for use:
- Use only grit sizes 40 and 60 for aluminum.

PFERDVALUE®:



D [Inches]	H [Inches]	Grit and EDP number			Max. RPM	
		40	60	80		
Flat (type 27, PFF) – plain arbor hole						
4-1/2	7/8	62361	62362	62363	13,300	10
5	7/8	62365	62366	62367	12,200	10
7	7/8	62369	62370	62371	8,500	10
Conical (type 29, PFC) – plain arbor hole						
4-1/2	7/8	62231	62232	62233	13,300	10
5	7/8	62235	62236	62237	12,200	10
Flat (type 27, PFF) – threaded arbor hole						
4-1/2	5/8-11	62373	62374	62375	13,300	10
5	5/8-11	62377	62378	62379	12,200	10
7	5/8-11	62381	62382	62383	8,500	10
Conical (type 29, PFC) – threaded arbor hole						
4-1/2	5/8-11	62241	62242	62243	13,300	10
5	5/8-11	62244	62245	62246	12,200	10

POLIFAN® flap discs
Performance Line SG ★★★☆

Z SG POWER STEELOX ★★★☆

The POLIFAN® Z SG POWER flap disc features an aggressive stock removal rate and excellent service life to achieve the highest level of efficiency. It is the best conventional flap disc for steel.

Advantages:
- Reduced labour time and maximum economic efficiency due to the aggressive stock removal rate.
- Maintains maximum aggressiveness throughout the entire service life.
- Fewer wheel changes due to the excellent service life.

Workpiece materials:
steel, stainless steel (INOX)

Applications:
weld dressing, blending, chamfering, deburring

Abrasive:
Zirconia alumina Z

Recommendations for use:
- Also suitable for surface grinding on steel.

PFERDVALUE®:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	H [Inches]	Grit and EDP number						Max. RPM	
		24	36	40	60	80	120		
Flat (type 27, PFF) – plain arbor hole									
4	5/8	-	-	62138	62139	-	-	15,300	10
4-1/2	7/8	-	62173	62176	62178	-	-	13,300	10
5	7/8	-	62181	62182	62184	-	-	12,200	10
7	7/8	-	62187	62188	62190	-	-	8,500	10
Conical (type 29, PFC) – plain arbor hole									
4-1/2	7/8	62221	62191	62222	62223	62220	62259	13,300	10
5	7/8	-	62192	62225	62226	62261	62263	12,200	10
6	7/8	-	-	62186	62189	-	-	10,200	10
7	7/8	-	62193	62228	62229	-	-	8,500	10
Flat (type 27, PFF) – threaded arbor hole									
4-1/2	5/8-11	-	62273	62276	62278	-	-	13,300	10
5	5/8-11	-	62281	62282	62284	-	-	12,200	10
7	5/8-11	-	62287	62288	62290	-	-	8,500	10
Conical (type 29, PFC) – threaded arbor hole									
4-1/2	5/8-11	62321	62194	62322	62323	62324	62275	13,300	10
5	5/8-11	-	62195	62325	62326	62291	62293	12,200	10
6	5/8-11	-	-	62286	62289	-	-	10,200	10
7	5/8-11	-	62196	62328	62329	-	-	8,500	10

CO-COOL SG STEELOX ★★★☆

Cool grinding POLIFAN® flap disc for materials that are difficult to grind such as high-alloy and rust-resistant steel, nickel-based alloys or titanium alloys.

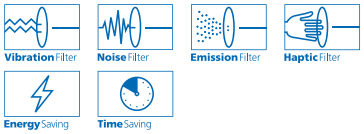
Advantages:
- The self-sharpening action of the ceramic oxide grain guarantees optimal results, even on materials that are difficult to grind.
- Reduced heat build-up in the workpiece compared with other flap discs.

Workpiece materials:
steel, mill scale, stainless steel (INOX), nickel-based alloys, hard aluminum alloys

Applications:
surface grinding, weld dressing, chamfering, deburring

Abrasive:
Ceramic oxide CO with cooling topsizing (COOL)

PFERDVALUE®:



D [Inches]	H [Inches]	Grit and EDP number		Max. RPM	
		40	60		
Flat (type 27, PFF) – plain arbor hole					
4-1/2	7/8	62597	62599	13,300	10
5	7/8	62603	62605	12,200	10
7	7/8	62615	-	8,500	10
Conical (type 29, PFC) – plain arbor hole					
4-1/2	7/8	62651	62653	13,300	10
5	7/8	62657	62659	12,200	10
7	7/8	62669	-	8,500	10
Flat (type 27, PFF) – threaded arbor hole					
4-1/2	5/8-11	62621	62623	13,300	10
5	5/8-11	62627	62629	12,200	10
7	5/8-11	62639	-	8,500	10
Conical (type 29, PFC) – threaded arbor hole					
4-1/2	5/8-11	62675	62677	13,300	10
5	5/8-11	62681	62683	12,200	10
7	5/8-11	62693	-	8,500	10

POLIFAN® flap discs
Performance Line SG ★★★☆

CO-FREEZE SG INOX ★★★☆

POLIFAN® flap disc designed for stainless steel (INOX) with ultra-cool grinding. Due to the ceramic oxide CO with cooling topsizing (FREEZE), there is no heat discolouration – no reworking is required.

Advantages:
- The FREEZE topsizing significantly reduces heat build-up in the workpiece compared with standard flap discs.
- Reduced labour time and increased economic efficiency due to the aggressive stock removal rate.
- Maximum aggressiveness over the entire service life.
- Fewer wheel changes due to the excellent service life.
- Sparks are minimized. Damage to stainless steel workpieces from sparks is almost entirely eliminated.

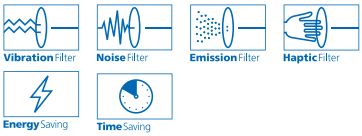
Workpiece materials:
stainless steel (INOX), nickel-based alloys

Applications:
surface grinding, weld dressing

Abrasive:
Ceramic oxide CO with extreme cooling topsizing (FREEZE)

Recommendations for use:
- During use, the flaps exhibit an unusual wear pattern after just a few seconds. Highly effective fillers form a shiny cooling film on the flaps (this should not be mistaken for "glazing"). This provides the basis for ultra-cool grinding.

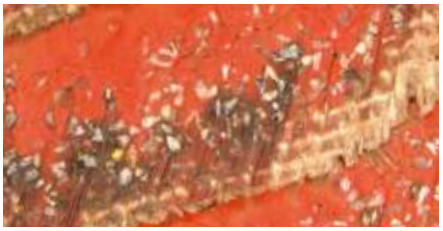
PFERDVALUE®:



D [Inches]	H [Inches]	Grit and EDP number 36	50	80	Max. RPM	
Flat (type 27, PFF) – plain arbor hole						
4-1/2	7/8	60804	60805	60806	13,300	10
5	7/8	60807	60808	60809	12,200	10
Conical (type 29, PFC) – plain arbor hole						
4-1/2	7/8	60810	60811	60812	13,300	10
5	7/8	60813	60814	60815	12,200	10
7	7/8	60816	60817	-	8,500	10
Flat (type 27, PFF) – threaded arbor hole						
4-1/2	5/8-11	61082	61083	61084	13,300	10
5	5/8-11	61085	61086	61087	12,200	10
Conical (type 29, PFC) – threaded arbor hole						
4-1/2	5/8-11	61088	61089	61090	13,300	10
5	5/8-11	61091	61092	61093	12,200	10
7	5/8-11	61094	61095	-	8,500	10

CO-FREEZE SG INOX flap disc

FREEZE wear pattern: a shiny cooling film on the flaps (this should not be mistaken for "glazing").



Optimum results: no discolouration due to low thermal load.

Flap disc with conventional abrasive material

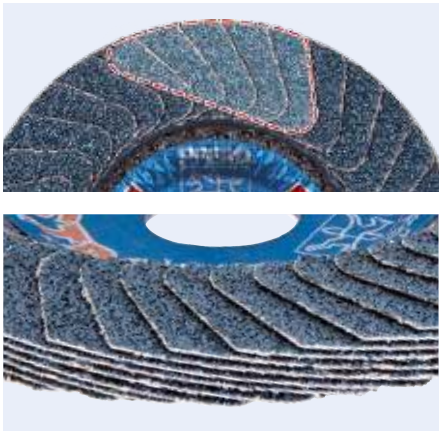
Heat discolouration/oxidation due to high heat build-up. Secondary grinding operation is required to prevent the risk of corrosion.

POLIFAN®-STRONG STEEL

Users who rely on top performance choose the innovative POLIFAN®-STRONG flap disc. It surpasses conventional flap discs and redefines the highest levels of efficiency. Due to its patented and unique design, it achieves an unsurpassed stock removal rate. It also has an astonishingly long service life over conventional flap discs.

Advantages:

- Fast grinding through constant grinding aggressiveness down to the last abrasive grain.
- Ultimate economic efficiency due to extremely fast stock removal rate.
- Extremely long service life due to patented flap design.



Long, compact arranged flaps

Z SGP STRONG STEEL ★★★★

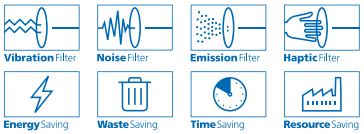
Workpiece materials:
steel

Applications:
weld dressing, chamfering, deburring

Abrasive:
Zirconia alumina Z

Recommendations for use:
- Grit size 36 is ideal for high stock removal, e.g. during work on weld seams.
- Grit size 50 is ideal for work on edges, e.g. chamfering or achieving a finer surface finish.

PFERDVALUE®:



D [Inches]	H [Inches]	Grit and EDP number		Max. RPM	
		36	50		
Conical (type 29, PFC) – plain arbor hole					
4-1/2	7/8	62945	62947	13,300	10
5	7/8	62955	62957	12,200	10
7	7/8	62975	62977	8,500	10
Conical (type 29, PFC) – threaded arbor hole					
4-1/2	5/8-11	62950	62952	13,300	10
5	5/8-11	62960	62962	12,200	10
7	5/8-11	62980	62982	8,500	10

POLIFAN®-CURVE

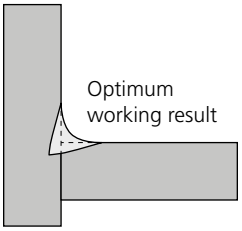
The patented POLIFAN®-CURVE flap disc has been specially developed for work on fillet welds. It is the only flap disc in the world that has flaps on both the grinding side and on the rear side, as well as on the radius.

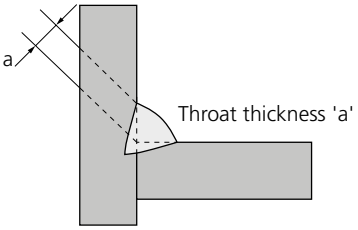
Advantages:

- Reduced labour time and ultimate economic efficiency due to the extremely aggressive stock removal rate.
- Outstanding tool life when working on fillet welds.
- Precise and optimum grinding of the fillet weld geometry.

Recommendations for use:

- Size M (medium): For fillet weld radii > 3/16" or throat thickness ≤ 1/4" with 90° joint, width at the radius: 7/16" or 9/16" with diameter 6".
- Size L (large): For fillet weld radii > 5/16" or throat thickness > 1/4" with 90° joint, width at the radius: 9/16" or 5/8" with diameter 6" or 7".





Z SGP CURVE STEELOX ★★★★

High-performance flap disc for maximum stock removal on steel and stainless steel (INOX).

Workpiece materials:
steel, stainless steel (INOX)

Applications:
fillet weld edge grinding, weld dressing, chamfering, deburring

Abrasive:
Zirconia alumina Z

PFERDVALUE®:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	H [Inches]	Size and EDP number		Grit	Max. RPM	
		Size medium	Size large			
Radial type PFR (CURVE) – plain arbor hole						
4-1/2	7/8	67192	67339	40	13,300	10
5	7/8	67196	67343	40	12,200	10
6	7/8	67200	67347	40	10,200	10
7	7/8	-	67351	40	8,500	10
Radial type PFR (CURVE) – threaded arbor hole						
4-1/2	5/8-11	67212	67359	40	13,300	10
5	5/8-11	67216	67363	40	12,200	10
6	5/8-11	67220	67367	40	10,200	10
7	5/8-11	-	67371	40	8,500	10

CO SGP CURVE STEELOX ★★★★

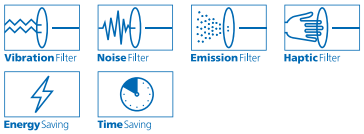
High-performance flap disc that achieves a superior surface finish on steel and stainless steel (INOX).

Workpiece materials:
steel, stainless steel (INOX)

Applications:
fillet weld edge grinding, weld dressing, chamfering, deburring

Abrasive:
Ceramic oxide CO with cooling topsizing (COOL)

PFERDVALUE®:



D [Inches]	H [Inches]	Size and EDP number		Grit	Max. RPM	
		Size medium	Size large			
Radial type PFR (CURVE) – plain arbor hole						
4-1/2	7/8	67234	67381	60	13,300	10
5	7/8	67197	67344	60	12,200	10
Radial type PFR (CURVE) – threaded arbor hole						
4-1/2	5/8-11	67258	67405	60	13,300	10
5	5/8-11	67217	67364	60	12,200	10

A SGP CURVE ALU ★★★★

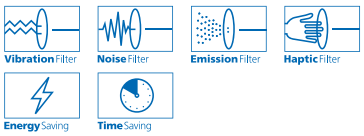
High-performance flap disc that achieves a superior surface finish on aluminum.

Workpiece materials:
aluminum, other non-ferrous metals

Applications:
fillet weld edge grinding, weld dressing, chamfering, deburring

Abrasive:
Aluminum oxide A with cooling topsizing (COOL)

PFERDVALUE®:



D [Inches]	H [Inches]	Size and EDP number	Grit	Max. RPM	
		Size large			
Radial type PFR (CURVE) – plain arbor hole					
4-1/2	7/8	67646	40	13,300	10
5	7/8	67651	40	12,200	10
Radial type PFR (CURVE) – threaded arbor hole					
4-1/2	5/8-11	67671	40	13,300	10
5	5/8-11	67676	40	12,200	10

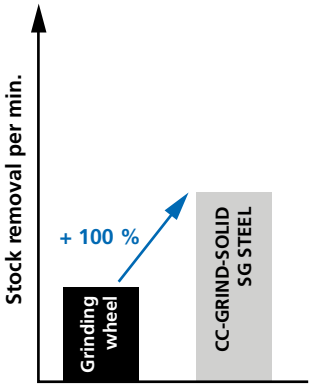
CC-GRIND® grinding discs

CC-GRIND®-SOLID

With the CC-GRIND®-SOLID, PFERD offers a modern, high-performance and ergonomic alternative to conventional grinding wheels.

Advantages:
- Maximum productivity due to highly aggressive abrasive.
- Significantly more ergonomic than a conventional grinding wheel: noise and vibrations are reduced by 50%, dust by 80%.
- Layered structure of the integrated fibreglass backing support guarantees use that is just as durable and safe as with a conventional grinding wheel.
- Superior surface finish compared to conventional grinding wheels.

For more information see page 43.



CC-GRIND®-FLEX

The CC-GRIND®-FLEX is the semi-flexible addition to the CC-GRIND® family. It was specially developed for work on weld seams. Butt welds can be smoothed completely flat. This gets rid of any dents and bumps that are visible, particularly after painting or varnishing.

Advantages:
- Maximum productivity due to highly aggressive abrasive.
- Significantly more ergonomic than a conventional grinding wheel: noise and vibrations are reduced by 50%, dust by 80%.
- Layered structure of the integrated fibreglass backing support guarantees use that is just as durable and safe as with a conventional grinding wheel.
- Complete smoothing of butt welds – without dents or bumps.
- Superior surface finish compared to conventional grinding wheels.

For more information see page 44.

CC-GRIND®-STRONG

The CC-GRIND®-STRONG bridges the gap between conventional grinding wheels and the modern alternative CC-GRIND®-SOLID. It combines the fast, ergonomic grinding of a CC-GRIND®-SOLID with a resin bonded abrasive as a backer. The bonded portion of the disc not only serves as a supporting backer, but is also used during grinding.

Advantages:
- Three times the service life compared to CC-GRIND®-SOLID SG STEEL due to the unique combination of stacked coated discs with a bonded abrasive support.
- Maximum productivity due to highly aggressive abrasive.
- Significantly more ergonomic than a conventional grinding wheel: noise and vibrations are reduced by 50%, dust by 70%.
- Superior surface finish compared to conventional grinding wheels.

For more information see page 45.

CC-GRIND® grinding discs
Quick product selection guide

Product group selection guide

Application	Product line	Steel (STEEL)			Stainless steel (INOX)
		CC-GRIND®-SOLID	CC-GRIND®-FLEX	CC-GRIND®-STRONG	CC-GRIND®-SOLID
■ Surface grinding ■ Levelling ■ Work on weld seams ■ Chamfering ■ Deburring	Performance Line SG ★★★☆	 CC-GRIND®-SOLID SG STEEL Page 43		 CC-GRIND®-STRONG SG STEEL Page 45	 CC-GRIND®-SOLID SG INOX Page 43
■ Levelling butt welds	Performance Line SG ★★★☆		 CC-GRIND®-FLEX SG STEEL Page 44		

CC-GRIND® mounting flange set

The CC-GRIND® mounting flange set optimally aligns the CC-GRIND®-SOLID and -FLEX in the angle grinder protective guard. This allows a very flat contact angle with maximum efficiency.

The black backing pad is placed on the original mounting flange of the angle grinder. The silver flange nut replaces the original flange nut.

D [Inches]	H [Inches]	EDP number	
4-1/2, 5	5/8-11	69116	1
6, 7	5/8-11	69117	1

CC-GRIND®-SOLID SG STEEL ★★★☆

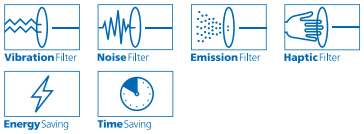
Workpiece materials:
steel

Applications:
surface grinding, weld dressing, chamfering, deburring

Recommendations for use:
- For optimum results, use with a flat contact angle and the SFS CC-GRIND® flange set.
- Only use the face of the disc, not suitable for peripheral grinding (on edge).

Ordering notes:
- Please order flange set SFS separately.

PFERDVALUE®:



D [Inches]	H [Inches]	EDP number	Compatible mounting flange set	Max. RPM	
SOLID – plain arbor hole					
4-1/2	7/8	61200	EDP 69116 (5/8-11)	13,300	10
5	7/8	61201	EDP 69116 (5/8-11)	12,200	10
6	7/8	61202	EDP 69117 (5/8-11)	10,200	10
7	7/8	61203	EDP 69117 (5/8-11)	8,500	10
SOLID – threaded arbor hole					
4-1/2	5/8-11	61220	–	13,300	10
5	5/8-11	61221	–	12,200	10
6	5/8-11	61222	–	10,200	10
7	5/8-11	61223	–	8,500	10

CC-GRIND®-SOLID SG INOX ★★★☆

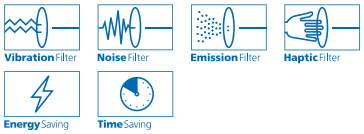
Workpiece materials:
stainless steel (INOX)

Applications:
weld dressing, chamfering, deburring

Recommendations for use:
- For optimum results, use with a flat contact angle and the SFS CC-GRIND® flange set.
- Only use the face of the disc, not suitable for peripheral grinding (on edge).

Ordering notes:
- Please order flange set SFS separately.

PFERDVALUE®:



D [Inches]	H [Inches]	EDP number	Compatible mounting flange set	Max. RPM	
SOLID – plain arbor hole					
4-1/2	7/8	61215	EDP 69116 (5/8-11)	13,300	10
5	7/8	61216	EDP 69116 (5/8-11)	12,200	10
7	7/8	61218	EDP 69117 (5/8-11)	8,500	10
SOLID – threaded arbor hole					
4-1/2	5/8-11	61235	–	13,300	10
5	5/8-11	61236	–	12,200	10
7	5/8-11	61238	–	8,500	10

CC-GRIND® grinding discs
Performance Line SG ★★★☆

CC-GRIND®-FLEX SG STEEL ★★★☆

Workpiece materials:
steel

Applications:
weld dressing, surface grinding

Recommendations for use:
- For optimum results, use with a flat contact angle and the SFS CC-GRIND® flange set.
- Only use the face of the disc, not suitable for peripheral grinding (on edge).

Ordering notes:
- Please order flange set SFS separately.

PFERDVALUE®:
Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	H [Inches]	Grit size FINE	Grit size COARSE	Max. RPM	
FLEX – plain arbor hole					
4-1/2	7/8	61186	61188	13,300	10
5	7/8	61190	61192	12,200	10

CC-GRIND® mounting flange set

The CC-GRIND® mounting flange set optimally aligns the CC-GRIND®-SOLID and -FLEX in the angle grinder protective guard. This allows a very flat contact angle with maximum efficiency.

The black backing pad is placed on the original mounting flange of the angle grinder. The silver flange nut replaces the original flange nut.

D [Inches]	H [Inches]	EDP number	
4-1/2, 5	5/8-11	69116	1
6, 7	5/8-11	69117	1

CC-GRIND®-STRONG

The CC-GRIND®-STRONG is the stepping stone between the classic grinding wheel (the backing pad also grinds) and the modern alternative CC-GRIND®-SOLID (fast, ergonomic grinding).

Advantages:

- Three times the service life compared to CC-GRIND®-SOLID SG STEEL due to the unique combination of stacked coated discs with a bonded abrasive support.
- Maximum productivity due to highly aggressive abrasive.
- Significantly more ergonomic than a conventional grinding wheel: noise and vibrations are reduced by 50%, dust by 70%.
- Superior surface finish compared to conventional grinding wheels.

CC-GRIND®-STRONG SG STEEL ★★★☆

Workpiece materials:
steel, mill scale

Applications:
weld dressing, chamfering, deburring

PFERDVALUE®:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	H [Inches]	EDP number	Max. RPM	
STRONG – plain arbor hole				
4-1/2	7/8	61262	13,300	10
5	7/8	61263	12,200	10
STRONG – threaded arbor hole				
4-1/2	5/8-11	61266	13,300	10
5	5/8-11	61267	12,200	10

Grinding wheels

CERAMIC COMFORT

The CERAMIC SG COMFORT is a hybrid grinding wheel for steel. It combines a top layer of coated abrasive and a rough grinding wheel.

Advantages:
- Due to the combination of a coated abrasive layer and a rough grinding wheel with a high stock removal rate, the CERAMIC SG COMFORT offers significantly reduced labour time and maximum economic efficiency.
- Fewer wheel changes due to the very long service life.
- Can be used for peripheral grinding (on edge).
- Significantly lower noise emissions and vibration when compared to conventional grinding wheels.

For more information please see page 58.

WHISPER

Due to its patented multi-layer design, the WHISPER grinding wheel generates significantly less vibration and noise than conventional grinding wheels. The noise exposure is decreased by up to 12 dBA, a reduction of more than 90%. The flexible construction enables soft, comfortable grinding with outstanding surface finish.

Advantages:
- Universally suitable for steel and stainless steel (INOX).
- Significantly lower noise emissions and vibration than with conventional grinding wheels.
- Comfortable grinding.
- Excellent solution for mill scale.

For more information please see page 59.

CERAMIC

High-performance grinding wheel with ceramic oxide grain for cool grinding with excellent productivity.

Advantages:
- Outstanding aggressiveness and service life due to the self-sharpening effect of the high-performance abrasive ceramic oxide grain.
- Labour cost savings due to much higher material removal rate compared to conventional grinding wheels.
- Reduced operator strain – maximum performance with minimal contact pressure.

For more information please see page 61.

Grinding wheels
Quick product selection guide

Product group selection guide

Application	Product line	Steel (STEEL)	Stainless steel (INOX)	Aluminum (ALU)	Cast iron (CAST)	Stone material (STONE)
■ Surface grinding ■ Work on weld seams ■ Chamfering ■ Deburring ■ Fillet weld grinding ■ Root seam processing ■ Grouting	**Universal Line PSF** ★★☆☆	 PSF STEEL Page 50  PSF STEELOX Page 51	 PSF STEELOX Page 51			
	Performance Line SG ★★★☆	 SG STEEL Page 52  SG NOTCHING STEELOX Page 54  ZIRKON SG CAST + STEEL Page 56  CERAMIC SG COMFORT STEEL Page 58	 SG INOX Page 53  SG NOTCHING STEELOX Page 54	 SG ALU Page 55	 ZIRKON SG CAST + STEEL Page 56	 SG CAST + STONE Page 57
	Special Line SGP ★★★★	 WHISPER SGP STEELOX Page 59  ZIRKON SGP STEEL Page 60  CERAMIC SGP STEELOX Page 61	 WHISPER SGP STEELOX Page 59  CERAMIC SGP STEELOX Page 61			


CC-GRIND® grinding discs can be found on page 41.


The DUODISC® combination wheels for cutting and deburring can be found on page 14.


Cup wheels can be found on page 62.

PFERD 1/8" thick pipeline grinding wheels are designed for grinding and cutting of pipeline root pass, weld and flame cut grinding. The wheels listed below are unique to the pipeline market. Specializing in the pipeline industry, PFERD also produces a wide variety of other abrasive wheels including 1/4" thick grinding wheels, cut-off wheels and flap discs.

Picture	D [Inches]	U [Inches]	7/8" plain arbor hole EDP number	5/8-11" arbor hole EDP number	Page number
PSF STEELOX ★★☆☆ for steel and stainless steel (INOX)					
	4-1/2	1/8	63410	63414	51
	5	1/8	63411	63415	
	6	1/8	63398	63418	
	7	1/8	63412	63416	
	9	1/8	63413	63417	
SG STEEL ★★★☆ for steel					
	4-1/2	1/8	63400	63405	52
	5	1/8	63406	63407	
	6	1/8	63399	63408	
	7	1/8	63401	63403	
	9	1/8	63402	63404	
SG INOX ★★★☆ for stainless steel (INOX)					
	4-1/2	1/8	61104	61113	53
SG NOTCHING STEELOX ★★★☆ for steel and stainless steel (INOX)					
	4-1/2	1/8	63421	63427	54
	5	1/8	63422	63428	
	6	1/8	63423	63429	
	7	1/8	63424	63430	
	9	1/8	63425	63431	
SG ALU ★★★☆ for aluminum					
	4-1/2	1/8	61311	61312	55
ZIRKON SG CAST + STEEL ★★★☆ for steel and cast iron					
	4-1/2	1/8	63251	63255	56
	5	1/8	63252	63256	
	6	1/8	63250	63259	
	7	1/8	63253	63257	
	9	1/8	63254	63258	
CERAMIC SGP STEELOX ★★★★ for steel and stainless steel (INOX)					
	4-1/2	1/8	60088	60093	61
	5	1/8	60089	60094	
	6	1/8	60090	60095	
	7	1/8	60091	60096	
	9	1/8	60092	60097	

PSF STEEL ★★☆☆

General purpose grinding wheel with high stock removal rate and long service life for steel.

Advantages:
- Reduced labour time and increased economic efficiency due to the high stock removal rate.
- Long service life.
- Also suitable for low-powered angle grinders (< 9 amps). Achieves high stock removal rates even at low contact pressure.

Workpiece materials:
steel, cast iron

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Aluminum oxide A

Technical information:
A 24 R

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	1/4	7/8	60006	13,300	10
5	1/4	7/8	60007	12,200	10
7	1/4	7/8	60009	8,500	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/4	5/8-11	60014	13,300	10
5	1/4	5/8-11	60015	12,200	10
7	1/4	5/8-11	60017	8,500	10

PSF STEELOX ★★☆☆

General purpose grinding wheel with high stock removal rate and good service life for steel and stainless steel (INOX).

Advantages:
- Universally suitable for steel and stainless steel (INOX).
- Reduced labour time and increased economic efficiency due to the high stock removal rate.
- Good service life.
- Also suitable for low-powered angle grinders (< 9 amps). Achieves high stock removal rates even at low contact pressure.

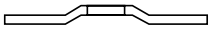
Workpiece materials:
steel, stainless steel (INOX)

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Aluminum oxide A

Technical information:
A 24 L

Recommendations for use:
- 1/8" thick grinding wheels are ideal for edge/root pass grinding.

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4	1/4	5/8	61000	15,300	10
4-1/2	1/8	7/8	63410	13,300	10
	1/4	7/8	61002	13,300	10
5	1/8	7/8	63411	12,200	10
	1/4	7/8	61003	12,200	10
6	1/8	7/8	63398	10,200	10
	1/4	7/8	61011	10,200	10
7	1/8	7/8	63412	8,500	10
	1/4	7/8	61004	8,500	10
9	1/8	7/8	63413	6,600	10
	1/4	7/8	61005	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/8	5/8-11	63414	13,300	10
	1/4	5/8-11	61001	13,300	10
5	1/8	5/8-11	63415	12,200	10
	1/4	5/8-11	61008	12,200	10
6	1/8	5/8-11	63418	10,200	10
	1/4	5/8-11	61012	10,200	10
7	1/8	5/8-11	63416	8,500	10
	1/4	5/8-11	61006	8,500	10
9	1/8	5/8-11	63417	6,600	10
	1/4	5/8-11	61007	6,600	10

SG STEEL ★★★☆

Grinding wheel for steel with high stock removal and very long service life.

Advantages:
- Reduced labour time and maximum economic efficiency due to the high stock removal rate.
- Fewer wheel changes due to the very long service life.

Workpiece materials:
steel

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Premium aluminum oxide A

Technical information:
A 24 R

Recommendations for use:
- 1/8" thick grinding wheels are ideal for edge/root pass grinding.

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4	1/4	5/8	61024	15,300	10
4-1/2	1/8	7/8	63400	13,300	10
	1/4	7/8	61026	13,300	10
5	1/8	7/8	63406	12,200	10
	1/4	7/8	61028	12,200	10
6	1/8	7/8	63399	10,200	10
	1/4	7/8	61030	10,200	10
7	1/8	7/8	63401	8,500	10
	1/4	7/8	61032	8,500	10
9	1/8	7/8	63402	6,600	10
	1/4	7/8	61035	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/8	5/8-11	63405	13,300	10
	1/4	5/8-11	61038	13,300	10
5	1/8	5/8-11	63407	12,200	10
	1/4	5/8-11	61040	12,200	10
6	1/8	5/8-11	63408	10,200	10
	1/4	5/8-11	61042	10,200	10
7	1/8	5/8-11	63403	8,500	10
	1/4	5/8-11	61044	8,500	10
9	1/8	5/8-11	63404	6,600	10
	1/4	5/8-11	61047	6,600	10
Saucer (type 28) – plain arbor hole					
7	1/4	7/8	61701	8,500	10
9	1/4	7/8	61702	6,600	10
Saucer (type 28) – threaded arbor hole					
7	1/4	5/8-11	61703	8,500	10
9	1/4	5/8-11	61704	6,600	10

SG INOX ★★★☆

Grinding wheel for stainless steel (INOX) with high stock removal rate and very long service life.

Advantages:
- Soft, cool grinding on stainless steel (INOX).
- Reduced labour time and maximum economic efficiency due to the high stock removal rate.
- Fewer wheel changes due to the very long service life.

Workpiece materials:
stainless steel (INOX)

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Premium aluminum oxide A

Technical information:
A 24 N

Recommendations for use:
- 1/8" thick grinding wheels are ideal for edge/root pass grinding.

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4	1/4	5/8	61103	15,300	10
4-1/2	1/8	7/8	61104	13,300	10
	1/4	7/8	61105	13,300	10
5	1/4	7/8	61106	12,200	10
6	1/4	7/8	61107	10,200	10
7	1/4	7/8	61108	8,500	10
9	1/4	7/8	61109	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/8	5/8-11	61113	13,300	10
	1/4	5/8-11	61114	13,300	10
5	1/4	5/8-11	61111	12,200	10
6	1/4	5/8-11	61116	10,200	10
7	1/4	5/8-11	61110	8,500	10
9	1/4	5/8-11	61112	6,600	10

SG NOTCHING STEELOX ★★★☆

Specialized notching wheel for steel and stainless steel (INOX) with very long service life.

Advantages:
- Universally suitable for steel and stainless steel (INOX).
- Fewer wheel changes due to the very long service life.
- High edge stability.
- Ideal for working on stainless steel (INOX) TIG-welds.

Workpiece materials:
steel, stainless steel (INOX)

Applications:
notching, root pass grinding, cutting

Abrasive:
Premium aluminum oxide A

Technical information:
A 46 R

Recommendations for use:
- Must be used only on the edge and perpendicular to the workpiece.
- 1/8" thick notching wheels are ideal for edge grinding and cutting of pipeline root pass, and notching for weld repairs.

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	1/8	7/8	63421	13,300	10
5	1/8	7/8	63422	12,200	10
6	1/8	7/8	63423	10,200	10
7	1/8	7/8	63424	8,500	10
9	1/8	7/8	63425	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/8	5/8-11	63427	13,300	10
5	1/8	5/8-11	63428	12,200	10
6	1/8	5/8-11	63429	10,200	10
7	1/8	5/8-11	63430	8,500	10
9	1/8	5/8-11	63431	6,600	10

SG ALU ★★★☆

Grinding wheel for aluminum and other non-ferrous metals with high stock removal rate and very long service life.

Advantages:
- Operates without the grinding wheel loading even on soft aluminum alloys.
- Reduced labour time and maximum economic efficiency due to the high stock removal rate.
- Fewer wheel changes due to the very long service life.
- Contains no fillers that could leave residues on the workpiece. The surface can be welded without secondary operations.

Workpiece materials:
aluminum, other non-ferrous metals

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Premium aluminum oxide A and silicon carbide C

Technical information:
C 24 N

Recommendations for use:
- 1/8" thick grinding wheels are ideal for edge/root pass grinding.

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	1/8	7/8	61311	13,300	10
	1/4	7/8	61301	13,300	10
5	1/4	7/8	61302	12,200	10
6	1/4	7/8	61309	10,200	10
7	1/4	7/8	61304	8,500	10
9	1/4	7/8	61305	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/8	5/8-11	61312	13,300	10
	1/4	5/8-11	61303	13,300	10
5	1/4	5/8-11	61308	12,200	10
6	1/4	5/8-11	61310	10,200	10
7	1/4	5/8-11	61306	8,500	10
9	1/4	5/8-11	61307	6,600	10

ZIRKON SG CAST + STEEL ★★★☆

Zirconia alumina grinding wheel for cast iron and steel with excellent material removal rate and very long service life.

Advantages:
- Reduced labour time and increased economic efficiency due to the high stock removal rate.
- Fewer wheel changes due to the very long service life.

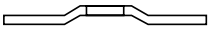
Workpiece materials:
grey/nodular cast iron, steel

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Zirconia alumina Z and special aluminum oxide A

Technical information:
ZA 30 S

Recommendations for use:
- 1/8" thick grinding wheels are ideal for edge/root pass grinding.

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	1/8	7/8	63251	13,300	10
	1/4	7/8	61602	13,300	10
5	1/8	7/8	63252	12,200	10
	1/4	7/8	61604	12,200	10
6	1/8	7/8	63250	10,200	10
	1/4	7/8	61613	10,200	10
7	1/8	7/8	63253	8,500	10
	1/4	7/8	61605	8,500	10
9	1/8	7/8	63254	6,600	10
	1/4	7/8	61606	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/8	5/8-11	63255	13,300	10
	1/4	5/8-11	61603	13,300	10
5	1/8	5/8-11	63256	12,200	10
	1/4	5/8-11	61614	12,200	10
6	1/8	5/8-11	63259	10,200	10
	1/4	5/8-11	61616	10,200	10
7	1/8	5/8-11	63257	8,500	10
	1/4	5/8-11	61607	8,500	10
9	1/8	5/8-11	63258	6,600	10
	1/4	5/8-11	61608	6,600	10

SG CAST + STONE ★★★☆

Grinding wheel for cast iron and casting scale and hard aluminum alloys with high material removal rate and very long service life.

Advantages:
- Reduced labour time and increased economic efficiency due to the high stock removal rate.
- Fewer wheel changes due to the very long service life.

Workpiece materials:
cast iron, casting scale, concrete, hard aluminum alloys

Applications:
chamfering, deburring, surface grinding

Abrasive:
Premium aluminum oxide A and silicon carbide C

Technical information:
AC 24 Q

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	1/4	7/8	61501	13,300	10
5	1/4	7/8	61502	12,200	10
7	1/4	7/8	61504	8,500	10
9	1/4	7/8	61505	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/4	5/8-11	61508	13,300	10
5	1/4	5/8-11	61509	12,200	10
7	1/4	5/8-11	61506	8,500	10
9	1/4	5/8-11	61507	6,600	10
Saucer (type 28) – plain arbor hole					
7	1/4	7/8	61705	8,500	10
9	1/4	7/8	61706	6,600	10
Saucer (type 28) – threaded arbor hole					
7	1/4	5/8-11	61707	8,500	10
9	1/4	5/8-11	61708	8,500	10

CERAMIC COMFORT

The CERAMIC SG COMFORT is a hybrid grinding wheel for steel. It combines a top layer of coated abrasive and a rough grinding wheel.

Advantages:

- Due to the combination of a coated abrasive layer and a rough grinding wheel with a high stock removal rate, the CERAMIC SG COMFORT offers significantly reduced labour time and maximum economic efficiency.
- Fewer wheel changes due to the very long service life.
- Can be used for peripheral grinding (on edge).
- Significantly lower noise emissions and vibration when compared to conventional grinding wheels.

CERAMIC SG COMFORT STEEL ★★★☆

Workpiece materials:
steel

Applications:
weld dressing, chamfering, deburring, surface grinding

Abrasive:
Ceramic oxide grain CO and special aluminum oxide A

PFERDVALUE®:

Vibration Filter · Noise Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	5/16	7/8	60150	13,300	10
5	5/16	7/8	60151	12,200	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	5/16	5/8-11	60155	13,300	10
5	5/16	5/8-11	60156	12,200	10

WHISPER

Due to its patented multi-layer design, the WHISPER grinding wheel generates significantly less vibration and noise than conventional grinding wheels. The noise exposure is decreased by up to 12 dBA, a reduction of more than 90%. The flexible construction enables soft, comfortable grinding with outstanding surface finish.

Advantages:

- Universally suitable for steel and stainless steel (INOX).
- Significantly lower noise emissions and vibration than with conventional grinding wheels.
- Comfortable grinding.
- Excellent solution for mill scale.

SGP WHISPER STEELOX ★★★★

Workpiece materials:
steel, mill scale, stainless steel (INOX)

Applications:
weld dressing, surface grinding, fillet weld edge grinding

Abrasive:
Special aluminum oxide A

Technical information:
A 46 H

PFERDVALUE®:

Vibration Filter | Noise Filter | Haptic Filter

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	1/4	7/8	61582	13,300	10
5	1/4	7/8	61583	12,200	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/4	5/8-11	61588	13,300	10
5	1/4	5/8-11	61589	12,200	10

ZIRKON SGP STEEL ★★★★

Zirconia alumina grinding wheel with a very high material removal rate and an excellent service life.

Advantages:
- Reduced labour time and maximum economic efficiency due to the very high material removal rate.
- Fewer wheel changes due to the excellent service life.

Workpiece materials:
steel

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Zirconia alumina Z and special aluminum oxide A

Technical information:
ZA 24 R

PFERDVALUE®:
Waste Saving
Time Saving

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	1/4	7/8	61553	13,300	10
5	1/4	7/8	61554	12,200	10
6	1/4	7/8	61555	10,200	10
7	1/4	7/8	61556	8,500	10
9	1/4	7/8	61557	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/4	5/8-11	61560	13,300	10
5	1/4	5/8-11	61561	12,200	10
6	1/4	5/8-11	61562	10,200	10
7	1/4	5/8-11	61563	8,500	10
9	1/4	5/8-11	61564	6,600	10

CERAMIC

High-performance grinding wheel with ceramic oxide grain for cool grinding with excellent productivity.

Advantages:

- Outstanding aggressiveness and service life due to the self-sharpening effect of the high-performance abrasive ceramic oxide grain.
- Labour cost savings due to much higher material removal rate compared to conventional grinding wheels.
- Reduced operator strain – maximum performance with minimal contact pressure.

CERAMIC SGP STEELOX ★★★★

Workpiece materials:
steel, stainless steel (INOX)

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Ceramic oxide grain CO

Technical information:
CO 24 Q

Recommendations for use:
- 1/8" thick grinding wheels are ideal for edge/root pass grinding.

PFERDVALUE®:

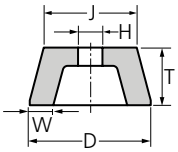
HapticFilter TimeSaving

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27) – plain arbor hole					
4-1/2	1/8	7/8	60088	13,300	10
	1/4	7/8	60055	13,300	10
5	1/8	7/8	60089	12,200	10
	1/4	7/8	60056	12,200	10
6	1/8	7/8	60090	10,200	10
	1/4	7/8	60057	10,200	10
7	1/8	7/8	60091	8,500	10
	1/4	7/8	60058	8,500	10
9	1/8	7/8	60092	6,600	10
	1/4	7/8	60059	6,600	10
Depressed centre (type 27) – threaded arbor hole					
4-1/2	1/8	5/8-11	60093	13,300	10
	1/4	5/8-11	60063	13,300	10
5	1/8	5/8-11	60094	12,200	10
	1/4	5/8-11	60064	12,200	10
6	1/8	5/8-11	60095	10,200	10
	1/4	5/8-11	60065	10,200	10
7	1/8	5/8-11	60096	8,500	10
	1/4	5/8-11	60066	8,500	10
9	1/8	5/8-11	60097	6,600	10
	1/4	5/8-11	60067	6,600	10

Cup wheels
Performance Line SG ★★★☆

Product group selection guide

Application	Steel (STEEL)	Cast iron (CAST)	Stone (STONE)
■ Surface grinding ■ Chamfering ■ Deburring ■ Work on weld seams	SG STEEL SG CAST + STEEL	SG CAST + STEEL	SG STONE



SG STEEL ★★★☆

Cup wheel with high grinding performance and long service life.

Advantages:
- High grinding performance.
- Long service life.

Workpiece materials:
steel

Applications:
weld dressing, chamfering, deburring, surface grinding

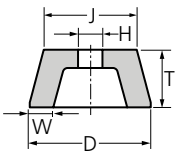
Abrasive:
Aluminum oxide A

Technical information:
A 16 Q

Recommendations for use:
- Place at a slight incline to work on weld seams.

Safety notes:
- The permissible maximum operating speed is 9,800 SFPM.

D [Inches]	J [Inches]	EDP number	T [Inches]	H [Inches]	W [Inches]	Max. RPM	
Conical cup wheel ETT (shape 11)							
4	3-1/2	61801	2	5/8-11	1	9,360	2
5	3-3/4	61802	2	5/8-11	1-1/2	7,510	2
6	4-3/4	61803	2	5/8-11	1-1/2	6,280	2



SG CAST + STEEL ★★★☆

Cup wheel with high grinding performance and long service life.

Advantages:
- High grinding performance.
- Long service life.

Workpiece materials:
cast iron, steel

Applications:
weld dressing, chamfering, deburring, surface grinding

Abrasive:
Zirconia alumina Z

Technical information:
ZA 16 Q

Recommendations for use:
- Place at a slight incline to work on weld seams.

Safety notes:
- The permissible maximum operating speed is 9,800 SFPM.

D [Inches]	J [Inches]	EDP number	T [Inches]	H [Inches]	W [Inches]	Max. RPM	
Conical cup wheel ETT (shape 11)							
4	3-1/2	61817	2	5/8-11	1	9,360	2
5	3-3/4	61818	2	5/8-11	1-1/2	7,510	2
6	4-3/4	61819	2	5/8-11	1-1/2	6,280	2

SG STONE ★★★☆

Cup wheel with high grinding performance and long service life.

Advantages:
- High grinding performance.
- Long service life.

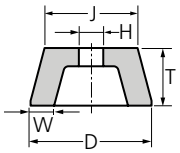
Workpiece materials:
grey/nodular cast iron (GG/GJL, GGG/GJS), casting scale, concrete, stone

Applications:
chamfering, deburring, surface grinding

Abrasive:
Silicon carbide C

Technical information:
C 16 Q

Safety notes:
- The permissible maximum operating speed is 9,800 SFPM.



D [Inches]	J [Inches]	EDP number	T [Inches]	H [Inches]	W [Inches]	Max. RPM	
Conical cup wheel ETT (shape 11)							
4	3-1/2	61805	2	5/8-11	1	9,360	2
5	3-3/4	61806	2	5/8-11	1-1/2	7,510	2
6	4-3/4	61807	2	5/8-11	1-1/2	6,280	2

XLOCK cut-off wheels, flap discs and grinding wheels

With the BOSCH X-LOCK system for angle grinders, you can change discs quickly and comfortably. Instead of a round centre hole, the X-LOCK system features an X-shaped contour, which allows the disc to be fixed on the angle grinder in a form-fitting manner. This guarantees that different discs can be mounted securely and comfortably in the shortest possible time. The unique system meets the highest quality and safety standards and even withstands tough and challenging operating conditions.

XLOCK Technology by BOSCH

Advantages:

- Quick and comfortable disc changes.
- Discs are fixed securely since they audibly click into place.
- X-LOCK products can also be used on conventional angle grinders with 5/8-11 thread.

Recommendations for use:

- Place the disc on the X-LOCK quick-change system of your angle grinder and secure it by lightly pressing it down. The disc will audibly click into place.

How it works:

Place the disc on the X-LOCK holder in a form-fitting manner.

Lightly press the disc down until it audibly clicks into place.

Release the disc by using the lever.

Cut-off wheels with X-LOCK quick-change system

Universal Line PSF ★★☆☆

PSF STEELOX ★★☆☆

Fast-cutting cut-off wheel for steel and stainless steel (INOX) with long service life.

Advantages:
- Quick and comfortable disc changes.
- Single solution for steel and stainless steel (INOX).
- Reduced cutting time.
- Increased economic efficiency due to long tool life.
- Ideal for use with cordless angle grinders.

Workpiece materials:
steel, stainless steel (INOX)

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

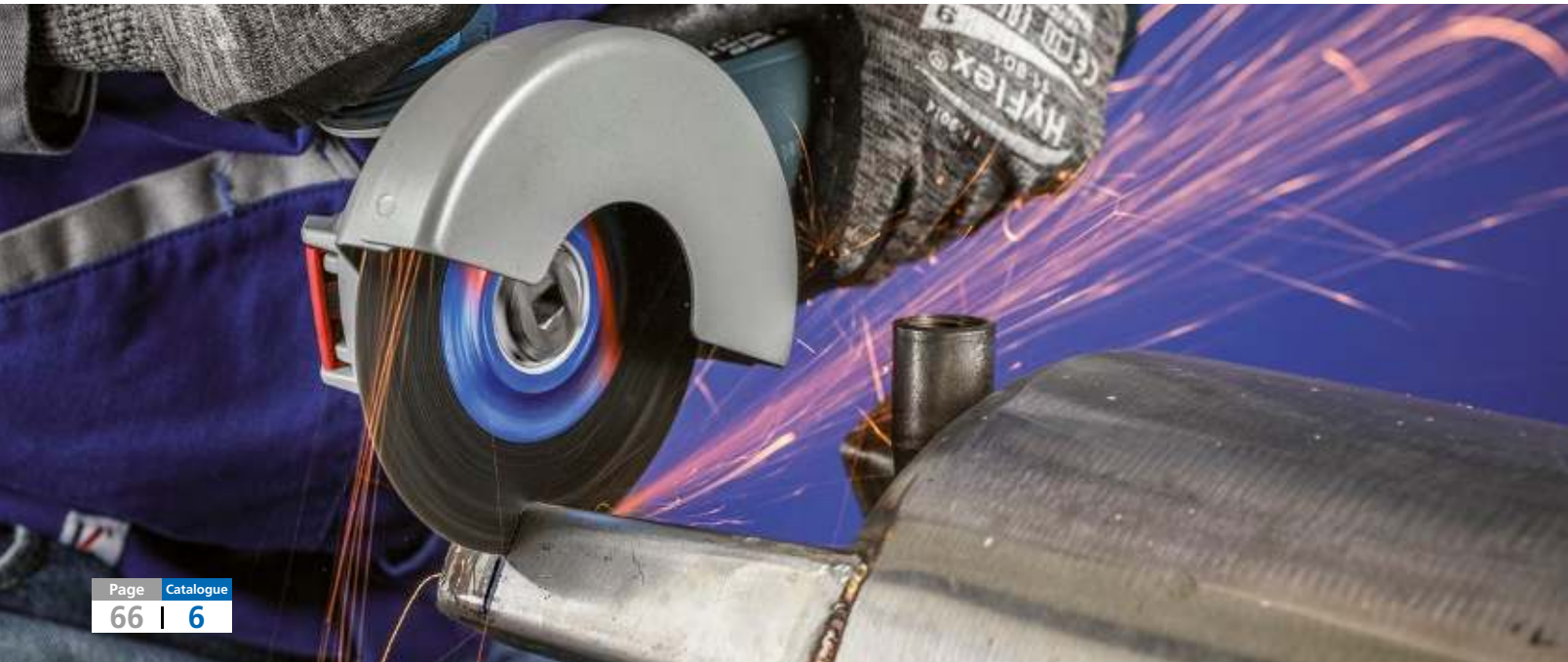
Abrasive:
Aluminum oxide A

Technical information:
A 46 P

PFERDVALUE®:
Thin cut-off wheels:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41)		X-LOCK			
4-1/2	.040	X-LOCK (7/8)	63735	13,300	25
	.045	X-LOCK (7/8)	63736	13,300	25
5	.040	X-LOCK (7/8)	63737	12,200	25
	.045	X-LOCK (7/8)	63738	12,200	25
Depressed centre (type 27/42)		X-LOCK			
4-1/2	.045	X-LOCK (7/8)	63743	13,300	25
	3/32	X-LOCK (7/8)	63739	13,300	25
5	.045	X-LOCK (7/8)	63744	12,200	25
	3/32	X-LOCK (7/8)	63740	12,200	25



SG STEELOX ★★★☆

Fast-cutting cut-off wheel for steel and stainless steel (INOX) with very long service life.

Advantages:
- Quick and comfortable disc changes.
- Single solution for steel and stainless steel (INOX).
- Reduced cutting time.
- Maximum economic efficiency due to very long service life.

Workpiece materials:
steel, stainless steel (INOX)

Applications:
cutting sheet metal, cutting hollow sections, cutting solid materials

Abrasive:
High-performance aluminum oxide A

Technical information:
A 46 R

PFERDVALUE®:
Thin cut-off wheels:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	T/U [Inches]	H [Inches]	EDP number	Max. RPM	
Flat (type 1/41)		X-LOCK			
4-1/2	.040	X-LOCK (7/8)	63751	13,300	25
	.045	X-LOCK (7/8)	63752	13,300	25
5	.040	X-LOCK (7/8)	63753	12,200	25
	.045	X-LOCK (7/8)	63754	12,200	25
Depressed centre (type 27/42)		X-LOCK			
4-1/2	.045	X-LOCK (7/8)	63745	13,300	25
	3/32	X-LOCK (7/8)	63755	13,300	25
5	.045	X-LOCK (7/8)	63746	12,200	25
	3/32	X-LOCK (7/8)	63756	12,200	25

POLIFAN® flap discs with XLOCK quick-change system

Universal Line PSF ★★☆☆

Z PSF STEELOX ★★☆☆

Zirconia alumina flap disc with aggressive stock removal rate and long service life.

Advantages:
- Quick and comfortable disc changes.
- Reduced labour time and increased economic efficiency due to the aggressive stock removal rate.
- Long service life.
- Good option for low-powered angle grinders (< 9 amps).

Workpiece materials:
steel, stainless steel (INOX)

Applications:
surface grinding, weld dressing, blending, chamfering, deburring

Abrasive:
Zirconia alumina Z

PFERDVALUE®:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	H [Inches]	Grit and EDP number			Max. RPM	
		40	60	80		
Conical (type 29, PFC)		X-LOCK				
4-1/2	X-LOCK (7/8)	60761	60762	60763	13,300	10
5	X-LOCK (7/8)	60764	60765	60766	12,200	10

Z PSF EXTRA STEELOX ★★☆☆

Zirconia alumina flap disc with aggressive stock removal rate and long service life.

Advantages:
- Quick and comfortable disc changes.
- Reduced labour time and increased economic efficiency due to the aggressive stock removal rate.
- Very long service life due to the high-density flap arrangement.
- Good option for low-powered angle grinders (< 9 amps).

Workpiece materials:
steel, stainless steel (INOX)

Applications:
surface grinding, weld dressing, blending, chamfering, deburring

Abrasive:
Zirconia alumina Z

PFERDVALUE®:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving

D [Inches]	H [Inches]	Grit and EDP number			Max. RPM	
		40	60	80		
Flat (type 27, PFF)		X-LOCK				
4-1/2	X-LOCK (7/8)	60741	60742	60743	13,300	10
5	X-LOCK (7/8)	60744	60745	60746	12,200	10

POLIFAN® flap discs with XLOCK quick-change system

Performance Line SG ★★★☆

Z SG POWER STEELOX ★★★☆

The POLIFAN® Z SG POWER flap disc features an aggressive stock removal rate and excellent service life to achieve the highest level of efficiency. It is the best conventional flap disc for steel.

Advantages:
- Quick and comfortable disc changes.
- Reduced labour time and maximum economic efficiency due to the aggressive stock removal rate.
- Maintains maximum aggressiveness throughout the entire service life.
- Fewer wheel changes due to the excellent service life.

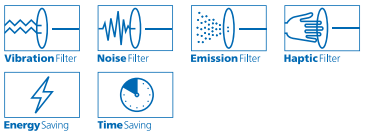
Workpiece materials:
steel, stainless steel (INOX)

Applications:
weld dressing, blending, chamfering, deburring

Abrasive:
Zirconia alumina Z

Recommendations for use:
- Also suitable for surface grinding on steel.

PFERDVALUE®:



D [Inches]	H [Inches]	Grit and EDP number			Max. RPM	
		40	60	80		
Conical (type 29, PFC)			X-LOCK			
4-1/2	X-LOCK (7/8)	60775	60776	60777	13,300	10
5	X-LOCK (7/8)	60778	60779	60780	12,200	10

POLIFAN® flap discs with XLOCK quick-change system

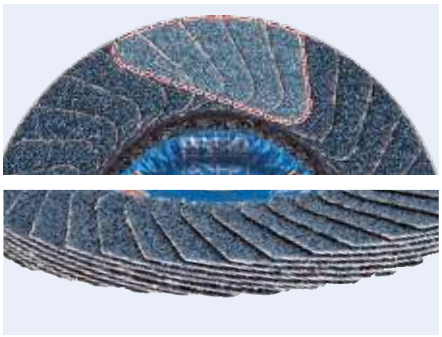
Special Line SGP ★★★★

POLIFAN®-STRONG STEEL

Users who rely on top performance choose the innovative POLIFAN®-STRONG flap disc. It surpasses conventional flap discs and redefines the highest levels of efficiency. Due to its patented and unique design, it achieves an unsurpassed stock removal rate. It also has an astonishingly long service life over conventional flap discs.

Advantages:

- Quick and comfortable disc changes.
- Fast grinding through constant grinding aggressiveness down to the last abrasive grain.
- Ultimate economic efficiency due to extremely fast stock removal rate.
- Extremely long service life due to patented flap design.



Long, compact arranged flaps

Z SGP STRONG STEEL ★★★★

Workpiece materials:
steel

Applications:
weld dressing, chamfering, deburring

Abrasive:
Zirconia alumina Z

Recommendations for use:
- Grit size 36 is ideal for high stock removal, e.g. during work on weld seams.
- Grit size 50 is ideal for work on edges, e.g. chamfering or achieving a finer surface finish.

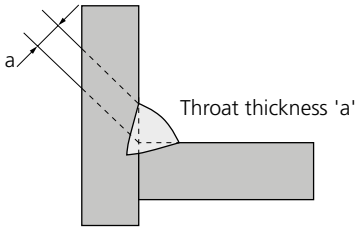
PFERDVALUE®:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter
Energy Saving · Waste Saving · Time Saving · Resource Saving

D [Inches]	H [Inches]	Grit and EDP number		Max. RPM	
		36	50		
Conical (type 29, PFC)	 X-LOCK				
4-1/2	X-LOCK (7/8)	60787	60788	13,300	10
5	X-LOCK (7/8)	60789	60790	12,200	10

POLIFAN®-CURVE

The patented flap disc POLIFAN®-CURVE has been specially developed for work on fillet welds. It is the only flap disc in the world that has flaps on both the grinding side and on the rear side, as well as on the radius.



Advantages:

- Quick and comfortable disc changes.
- Reduced labour time and ultimate economic efficiency due to the extremely aggressive stock removal rate.
- Outstanding tool life when working on fillet welds.
- Precise and optimum grinding of the fillet weld geometry.

Recommendations for use:

- Size M (medium): For fillet weld radii > 3/16" or throat thickness ≤ 1/4" with 90° joint, width at the radius: 7/16".
- Size L (large): For fillet weld radii > 5/16" or throat thickness > 1/4" with 90° joint, width at the radius: 9/16".

Z SGP CURVE STEELOX ★★★★

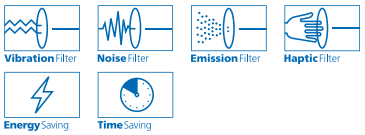
High-performance flap disc for maximum stock removal on steel and stainless steel (INOX).

Workpiece materials:
steel, stainless steel (INOX)

Applications:
fillet weld edge grinding, weld dressing, chamfering, deburring

Abrasive:
Zirconia alumina Z

PFERDVALUE®:



D [Inches]	H [Inches]	Size and EDP number		Grit	Max. RPM	
		Size medium	Size large			
Radial type PFR (CURVE)			**X-LOCK**			
4-1/2	X-LOCK (7/8)	67796	67797	40	13,300	10
5	X-LOCK (7/8)	67798	67799	40	12,200	10

Grinding wheels with XLOCK quick-change system

Universal Line PSF ★★☆☆ | Performance Line SG ★★★☆

PSF STEEL ★★☆☆

General purpose grinding wheel with high stock removal rate and long service life for steel.

Advantages:
- Quick and comfortable disc changes.
- Reduced labour time and increased economic efficiency due to the high stock removal rate.
- Long service life.
- Also suitable for low-powered angle grinders (< 9 amps). Achieves high stock removal rates even at low contact pressure.

Workpiece materials:
steel, cast iron

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Aluminum oxide A

Technical information:
A 24 R

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27)		**X-LOCK**			
4-1/2	1/4	X-LOCK (7/8)	60171	13,300	10
5	1/4	X-LOCK (7/8)	60172	12,200	10

SG STEEL ★★★☆

Grinding wheel for steel with high stock removal and very long service life.

Advantages:
- Quick and comfortable disc changes.
- Reduced labour time and maximum economic efficiency due to the high stock removal rate.
- Fewer disc changes due to the very long service life.

Workpiece materials:
steel

Applications:
weld dressing, chamfering, deburring, surface grinding, fillet weld edge grinding

Abrasive:
Premium aluminum oxide A

Technical information:
A 24 R

Recommendations for use:
- 1/8" thick grinding wheels are ideal for edge/root pass grinding.

D [Inches]	U [Inches]	H [Inches]	EDP number	Max. RPM	
Depressed centre (type 27)		**X-LOCK**			
4-1/2	1/8	X-LOCK (7/8)	60181	13,300	10
	1/4	X-LOCK (7/8)	60182	13,300	10
5	1/8	X-LOCK (7/8)	60183	12,200	10
	1/4	X-LOCK (7/8)	60184	12,200	10

Subject to technical modifications.
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