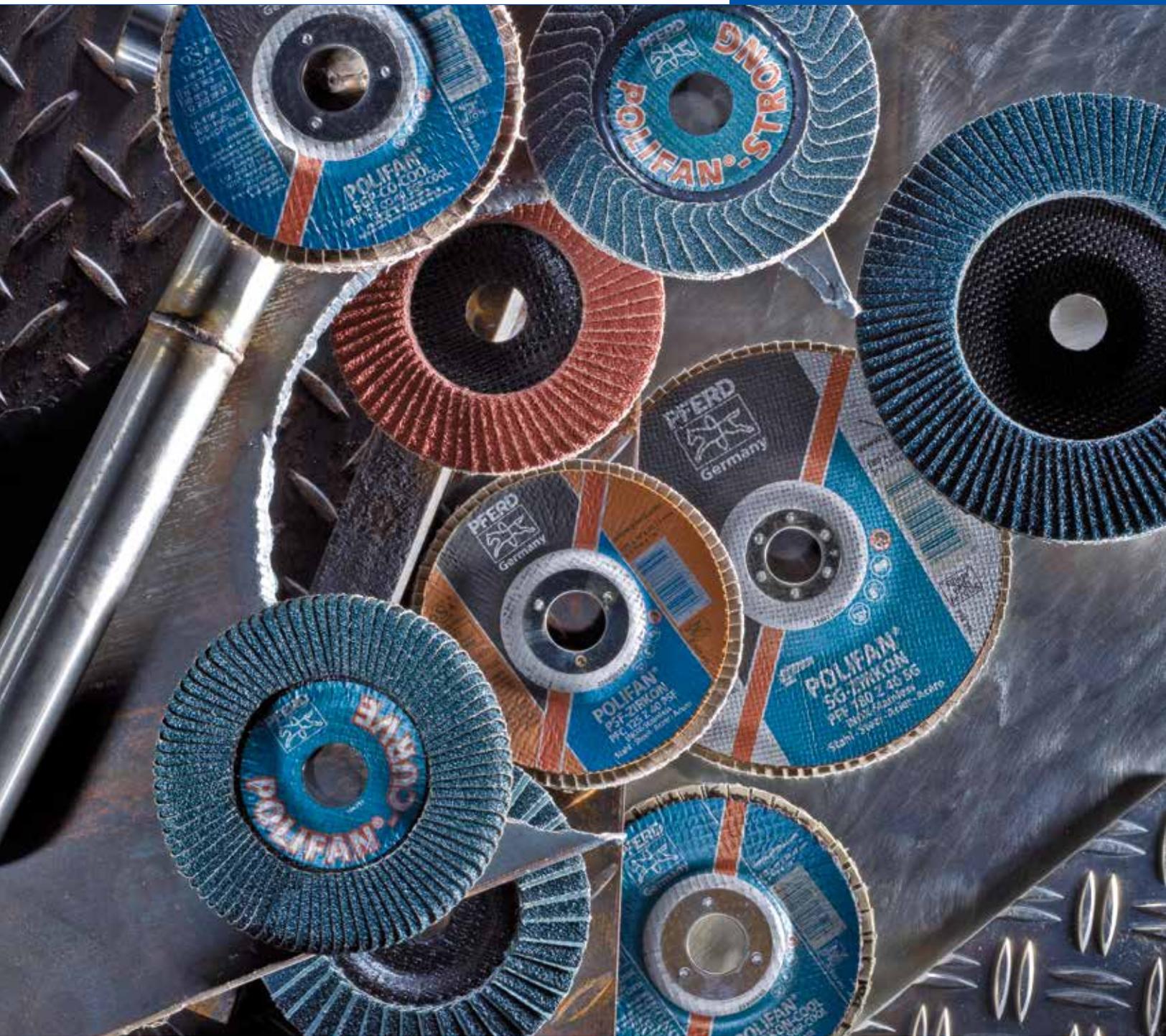


POLIFAN® flap discs

The PFERD range



TRUST BLUE

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

POLIFAN® flap discs

General information



POLIFAN® flap discs offer advantages over reinforced grinding wheels in applications when a high surface quality must be achieved in addition to high stock removal.

The POLIFAN®-STRONG flap disc with its exceptional aggressiveness and tool life and POLIFAN®-CURVE flap disc for fillet welds are the latest innovations from PFERD.

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

PFERDERGONOMICS® recommends flap discs to substantially reduce vibrations, noise and dust levels generated during use.



PFERD Specification Number

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

1. Designation and Shape of the Tool

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



2. Outside Diameter

Outside Dia. D in [mm]

3. Abrasive

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

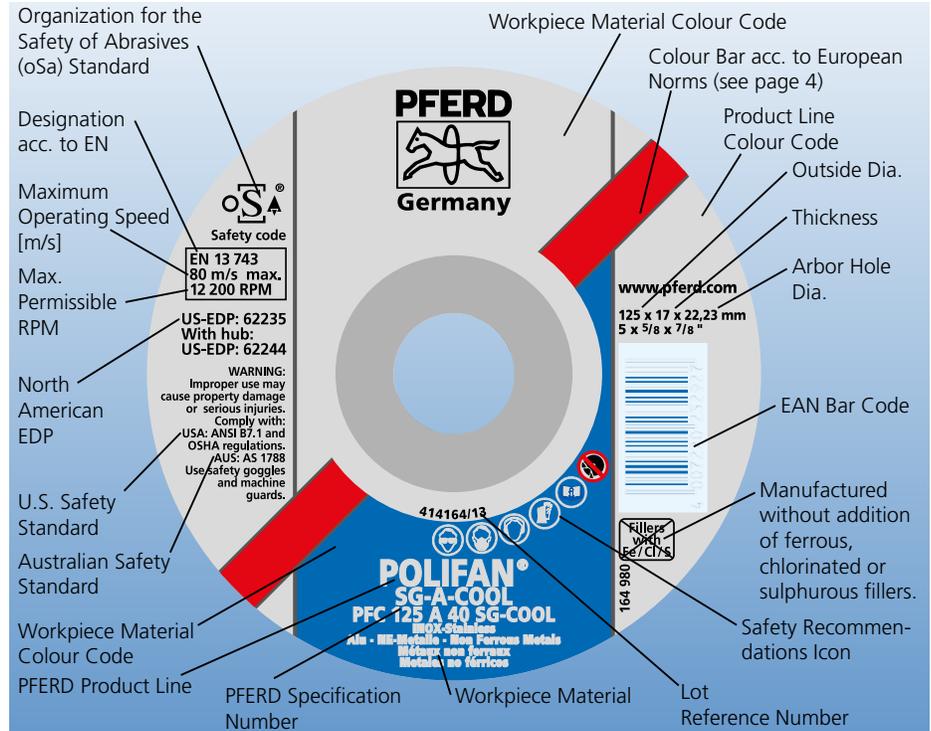
4. Grit Size

5. PFERD Product Lines

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

6. Tool Variant

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



Product Lines and Colour Coding for the Recommended Workpiece Materials

For the many different grinding tasks in industry and crafts, PFERD offers POLIFAN® flap discs in three product lines with diverse special features:

Universal Line PSF		Performance Line SG		Special Line SGP	
	General use in industry and professional trades.		Widest range of tools for professional use in industry and professional trades.		For highest possible performance, and for industrial niche applications.
Material = Colour	Page	Material = Colour	Page	Material = Colour	Page
	14-15		4-6		10
			8		8-9
			7		11

➊ Application + ➋ Material + ➌ Power Tools ⇒ Best Tool

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

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

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

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

POLIFAN® flap discs

Flat (type 27) and conical (type 29) – Performance line SG



Steel/stainless steel (INOX)/plastics SG A



Highly versatile flap disc provides excellent performance and results on the widest combinations of workpiece materials and angle grinder power levels.

Abrasive: Aluminum oxide A

Workpiece materials

Steel, stainless steel (INOX), plastics, wood



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Applications

Surface grinding, weld grinding, blending; chamfering and deburring on aluminum and other non-ferrous metals

Recommendation for use

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

PFERDERGONOMICS®



PFERDEFFICIENCY®



PFERD specification number

SG A

Diameter [Inches]	Unthreaded arbor hole						Threaded arbor hole					Max. RPM		
	Bore [Inches]	Grit and EDP number					Thread	Grit and EDP number						
		24	40	60	80	120		24	40	60	80			120
Flat (PFF – type 27)														
4	5/8	-	62140	62142	62144	62146	3/8-24	-	62141	62143	62145	62147	15,300	10
4-1/2	7/8	62149	62150	62152	62154	62156	5/8-11	62257	62250	62252	62254	62256	13,300	10
5	7/8	-	62158	62160	62162	62164	5/8-11	-	62258	62260	62262	62264	12,200	10
7	7/8	62166	62168	62170	62172	62174	5/8-11	62266	62268	62270	62272	62274	8,500	10
Conical (PFC – type 29)														
4-1/2	7/8	62201	62202	62203	62204	62205	5/8-11	62301	62302	62303	62304	62305	13,300	10
5	7/8	62212	62213	62214	62215	62216	5/8-11	62312	62313	62314	62315	62316	12,200	10
6	7/8	-	62217	62218	62219	62227	5/8-11	-	62358	62359	62360	62368	10,200	10
7	7/8	62207	62208	62209	62210	62211	5/8-11	62307	62308	62309	62310	62311	8,500	10

For 2" and 3" flap discs, please see COMBIDISC®-Mini-POLIFAN®, located in PFERD'S "Fine grinding and finishing products" catalogue (section 204).



Highly durable flap disc for demanding applications. Premium zirconia coated abrasive material provides sustained high stock removal rates throughout the long disc service life.

Abrasive: Zirconia alumina Z

Workpiece materials

Steel, stainless steel (INOX)



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Applications

Surface grinding, weld grinding, blending, chamfering, deburring

Recommendation for use

Zirconia alumina grain is a high-performance abrasive medium delivering optimal perfor-

mance on high-powered angle grinders at higher contact pressures and/or steeper work angles (please refer to the table on page 4: 4-1/2" electric angle grinder = 8+ amps).

Ordering note

Packaging unit: 10 pcs

PFERDERGONOMICS®



PFERDEFFICIENCY®



PFERD specification number

SG Z



Diameter [Inches]	Unthreaded arbor hole							Threaded arbor hole						Max. RPM	
	Bore [Inches]	Grit and EDP number						Thread	Grit and EDP number						
		24	36	40	60	80	120		24	36	40	60	80		120
Flat (PFF – type 27)															
4	5/8	-	-	62138	62139	-	-	3/8-24	-	-	62197	62198	-	-	15,300
4-1/2	7/8	62179	62173	62176	62178	-	-	5/8-11	62279	62273	62276	62278	-	-	13,300
5	7/8	-	62181	62182	62184	-	-	5/8-11	-	62281	62282	62284	-	-	12,200
7	7/8	-	62187	62188	62190	-	-	5/8-11	-	62287	62288	62290	-	-	8,500
Conical (PFC – type 29)															
4-1/2	7/8	62221	62191	62222	62223	62220	62259	5/8-11	62321	62194	62322	62323	62324	62275	13,300
5	7/8	-	62192	62225	62226	62261	62263	5/8-11	-	62195	62325	62326	62291	62293	12,200
7	7/8	-	62193	62228	62229	62575	62576	5/8-11	-	62196	62328	62329	62580	62581	8,500



For 2" and 3" flap discs, please see COMBIDISC®-Mini-POLIFAN®, located in PFERD's "Fine grinding and finishing products" catalogue (section 204).



Product tip: For longer service life at the same price level in 40 and 60 grit, please consider POLIFAN® ZIRKON-COMPACT flap discs on next page.



POLIFAN® flap discs

Conical (type 29) – Performance line SG



Steel/stainless steel (INOX)
SG ZIRKON-COMPACT



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

Abrasive: Zirconia alumina Z

Workpiece materials

Steel, stainless steel (INOX)



CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)

Applications

Weld grinding, chamfering, deburring, blending

Recommendation for use

Zirconia alumina grain is a high-performance abrasive delivering optimal performance on high-powered angle grinders (please refer to the table on page 4: 4-1/2" electric angle grinder = 8+ amps).

PFERDERGONOMICS®



PFERDEFFICIENCY®



PFERD specification number
SG Z-COMPACT

Diameter [Inches]	Unthreaded arbor hole			Threaded arbor hole			Max. RPM	
	Bore [Inches]	Grit and EDP number		Thread	Grit and EDP number			
		40	60		40	60		
Conical (PFC – type 29)								
4-1/2	7/8	62781	62782	5/8-11	62791	62792	13,300	10
5	7/8	62783	62784	5/8-11	62793	62794	12,200	10
6	7/8	62785	62786	5/8-11	62795	62796	10,200	10
7	7/8	62787	62788	5/8-11	62797	62798	8,500	10



Specialized for use on stainless steel (INOX) the unique zirconia coated material selected provides excellent removal rates and service life at lower contact pressure. Features reduced heat generation and significantly lower risk of glazing.

Abrasive: Zirconia alumina and aluminum oxide ZA

Workpiece material
Stainless steel (INOX)



CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)

Applications

Weld grinding, surface grinding, chamfering, deburring, blending

Recommendation for use

The high-performance abrasive zirconia alumina maintains good cutting qualities particularly during surface grinding on stainless steel (INOX).

PFERDERGONOMICS®



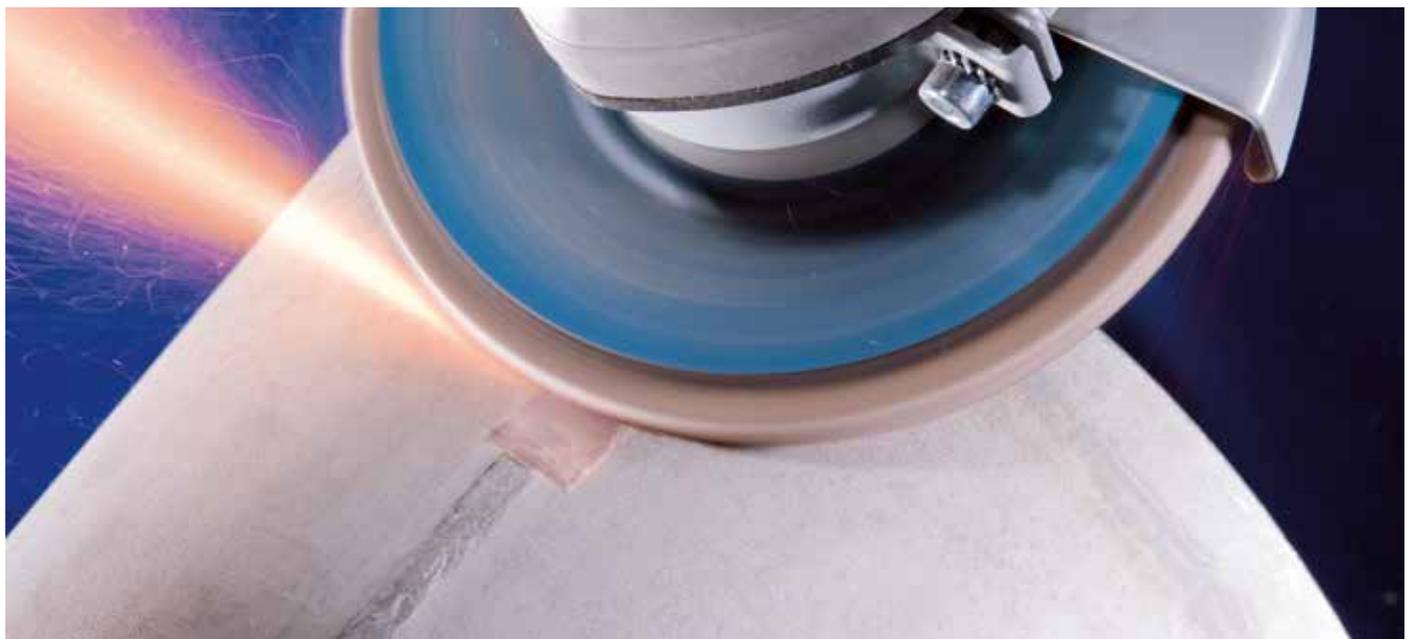
PFERDEFFICIENCY®



PFERD specification number
SG ZA



Diameter [Inches]	Unthreaded arbor hole					Threaded arbor hole					Max. RPM	
	Bore [Inches]	Grit and EDP number				Thread	Grit and EDP number					
		24	40	60	80		24	40	60	80		
Flat (PFF – type 27)												
4	5/8	-	60890	60891	60892	3/8-24	-	60920	60921	60922	15,300	10
4-1/2	7/8	-	60895	60897	60898	5/8-11	-	60925	60927	60928	13,300	10
5	7/8	-	60902	60904	60905	5/8-11	-	60932	60934	60935	12,200	10
7	7/8	60914	60916	60918	60919	5/8-11	60944	60946	60948	60949	8,500	10
Conical (PFC – type 29)												
4-1/2	7/8	-	60952	60954	60955	5/8-11	-	60976	60978	60979	13,300	10
5	7/8	-	60959	60960	60961	5/8-11	-	60983	60984	60985	12,200	10
7	7/8	60969	60971	60972	60973	5/8-11	60993	60995	60996	60997	8,500	10



POLIFAN® flap discs

Flat (type 27) and conical (type 29) – Performance line SG



**Stainless steel (INOX)/aluminum/
non-ferrous metals
SG A-COOL**



A special topsized aluminum oxide abrasive material delivers very cool grinding and non-loading performance. Achieves highly productive grinding and finishing with a high grade surface finish on both stainless steel and aluminum.

**Abrasive: Aluminum oxide plus coolant
A-COOL**

Workpiece materials

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



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Applications

Surface grinding, weld grinding, blending

Recommendations for use

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

PFERDERGONOMICS®



PFERDEFFICIENCY®



**PFERD specification number
SG A-COOL**

Diameter [Inches]	Unthreaded arbor hole					Threaded arbor hole					Max. RPM	
	Bore [Inches]	Grit and EDP number				Thread	Grit and EDP number					
		40	60	80	120		40	60	80	120		
Flat (PFF – type 27)												
4-1/2	7/8	62361	62362	62363	62364	5/8-11	62373	62374	62375	62376	13,300	10
5	7/8	62365	62366	62367	63083	5/8-11	62377	62378	62379	63093	12,200	10
7	7/8	62369	62370	62371	62372	5/8-11	62381	62382	62383	62384	8,500	10
Conical (PFC – type 29)												
4-1/2	7/8	62231	62232	62233	62234	5/8-11	62241	62242	62243	62244	13,300	10
5	7/8	62235	62236	62237	63081	5/8-11	62244	62245	62246	63091	12,200	10
7	7/8	62238	62239	62240	63082	5/8-11	62247	62248	62249	63092	8,500	10

Flat (type 27) – Special line SG-PLUS

**Steel/stainless steel (INOX)
SG-PLUS ZIRKON-EXTRA**



Maximized for durability and service life in tough applications, this flap disc is produced using premium zirconia material with both larger flaps and a higher flap count compared to conventional discs.

Abrasive: Zirconia alumina Z

Workpiece materials

Steel, stainless steel (INOX)



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Applications

Surface grinding, weld grinding, blending, chamfering, deburring

Recommendation for use

The use of zirconia alumina, a high-performance abrasive grain, in conjunction with the dense flap structure requires a high-output angle grinder (please refer to the table on page 4: 4-1/2" electric angle grinder = 8+ amps) to achieve best grinding results.

PFERDERGONOMICS®



PFERDEFFICIENCY®



**PFERD specification number
SG-PLUS Z-EXTRA**

Diameter [Inches]	Unthreaded arbor hole					Threaded arbor hole					Max. RPM	
	Bore [Inches]	Grit and EDP number				Thread	Grit and EDP number					
		40	60	80	120		40	60	80	120		
Flat (PFF – type 27)												
4-1/2	7/8	62090	62091	62092	62093	5/8-11	62110	62111	62112	62113	13,300	10
7	7/8	62100	62101	62102	-	5/8-11	62120	62121	62122	-	8,500	10



POLIFAN® flap discs

Flat (type 27) and conical (type 29) – Special line SG-PLUS

Produced with a premium top-sized ceramic oxide coated material, CO-COOL flap discs offer very fast stock removal with low contact pressure and less heat generation. Ideal for stainless steel and high temperature alloys.

**Abrasive: Ceramic oxide plus coolant
CO-COOL**

Workpiece materials

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



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Applications

Surface grinding, weld grinding, blending, chamfering, deburring

Recommendation for use

The self-sharpening action of the ceramic oxide is effective even at low contact pressures, giving optimal grinding performance without heat discoloration of the workpiece. This product is also recommended for use on hard rolling skin (scale). It delivers best results when used with a high-powered angle grinder (please refer to the table on page 4: 4-1/2" electric angle grinder= 8+ amps).

PFERDERGONOMICS®



PFERDEFFICIENCY®



**PFERD specification number
SG-PLUS CO-COOL**

**Steel/stainless steel (INOX)/cast iron/
aluminum/non-ferrous metals
SG-PLUS CO-COOL**



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



POLIFAN®-STRONG flap discs

Conical (type 29) – Special line SG-PLUS

Steel
SG-PLUS ZIRKON-STRONG



POLIFAN®-STRONG is a unique PFERD innovation offering extended service life and maximum stock removal rates for demanding grinding work.

The patented design of POLIFAN®-STRONG, with its long, compact flaps, introduces a whole new dimension in material removal.

- Fast grinding through constant aggressiveness to the last abrasive grain.
- Highest economic efficiency through greater performance per time unit, less wear on the disc and reduced set-up times.
- The greatest possible stock removal.
- Extremely long service life.

Abrasive: Zirconia alumina Z

Workpiece materials

Steel

Applications

Surface grinding, weld grinding, blending, chamfering, deburring

Recommendations for use

- **Grit sizes 36** ideal for high stock removal, such as when working on weld seams.
- **Grit size 50** ideal for work on edges, such as chamfering, or for attaining fine surfaces.
- Zirconia alumina grain is a high-performance abrasive delivering optimal performance on high-powered angle grinders (please refer to the table on page 4: 4-1/2" electric angle grinder = 8+ amps).

PFERDERGONOMICS®



PFERDEFFICIENCY®



PFERD specification number

SG-PLUS Z-STRONG

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



PFERDMEDIA

To see it in action, please visit pferdusa.com/vstrong



POLIFAN®-STRONG-FREEZE is a premium-performance flap disc that delivers maximum low-temperature stock removal and outstanding service life for demanding grinding tasks.

The innovative abrasive with ceramic oxide grain guarantees ultra-cool grinding on materials which do not conduct heat well.

POLIFAN®-STRONG-FREEZE delivers a cool grinding performance unparalleled worldwide. This is particularly beneficial for work on materials with poor thermal conductivity, such as stainless steel (INOX).

The usual sparks are reduced to a minimum due to the unique structure of the abrasive material. The risk of damage to stainless steel workpieces due to hot flying sparks is drastically reduced.

Abrasive: Ceramic oxide CO plus special coolant

Workpiece materials

Stainless steel (INOX), nickel- and cobalt-based alloys (aircraft engine and turbine construction), titanium, Inconel®, Hastelloy®



CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)

Applications

Surface grinding, weld grinding, blending

Recommendation for use

Achieves best results with high-powered angle grinders (please refer to the table on page 4: 4-1/2" electric angle grinder = 8+ amps).

PFERDERGONOMICS®



PFERDEFFICIENCY®



PFERD specification number
CO SG-PLUS-STRONG-FREEZE

INOX SG-PLUS CO-STRONG-FREEZE



Diameter [Inches]	Unthreaded arbor hole			Threaded arbor hole			Max. RPM	
	Bore [Inches]	Grit and EDP number		Thread	Grit and EDP number			
		36	50		36	50		
Conical (PFC – type 29)								
4-1/2	7/8	62946	62948	5/8-11	62951	62953	13,300	10
5	7/8	62956	62958	5/8-11	62961	62963	12,200	10
7	7/8	62976	62978	5/8-11	62981	62983	8,500	10



PFERDMEDIA

To see it in action, please visit pferdusa.com/vfreeze

Note

Even during first use of the POLIFAN®-STRONG-FREEZE, the flaps exhibit an exceptional wear pattern after just a few seconds. The highly effective fillers form a shiny cooling film on the flaps (Note! Looks similar to glazing – This is normal!). This provides the basis for unprecedented cooling, aggressiveness, and service life.

The shape and colour of the chips generated with the POLIFAN®-STRONG-FREEZE attest to the extremely low temperatures during the grinding process.

POLIFAN®-STRONG-FREEZE



Typical wear pattern with its characteristically shiny cooling film (not glazing!).



Long chips generated with the POLIFAN®-STRONG-FREEZE. No blue colouration due to low thermal loads.

Conventional flap disc



Chips produced with conventional grinding wheels or flap discs. Blue colouration due to overheating.

POLIFAN®-CURVE flap discs

Radial (type PFR) – Special line SG-PLUS

POLIFAN®-CURVE is a PFERD innovation designed to quickly achieve a smooth, consistent surface finish on fillet welds. The unique radial construction shape (PFR) offers a superior solution for this common task.

Advantages

- High stock removal rates through unparalleled fast, aggressive grinding and thus significant savings in labour costs.
- Precise and optimal grinding out of fillet welds.
- Strong construction provide consistent, high quality results that are easy to achieve.
- Outstanding service life.
- Better control to reduce the chance of cutting into the base material.

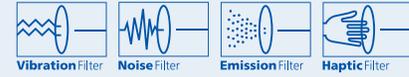


Recommendations for use



for fillet weld radii	> 3/16" (> 5 mm)	> 5/16" (> 8 mm)
radial width of flap disc	7/16" (11 mm)	9/16" (14 mm)

PFERDERGONOMICS® recommends POLIFAN®-CURVE to substantially reduce vibration, noise and dust levels generated during use and to improve the working comfort.



PFERDEFFICIENCY® recommends POLIFAN®-CURVE for long, fatigue-free and resource saving work, with perfect results in the shortest possible time.



PFERDMEDIA

To see it in action, please visit pferdusa.com/vcurve

Steel/stainless steel (INOX) SG-PLUS ZIRKON-CURVE



POLIFAN® ZIRKON-CURVE is produced with a premium Zirconia material that provides a combination of long service life and high stock removal rates in demanding applications.

Abrasive: Zirconia alumina Z

Workpiece materials

Steel, stainless steel (INOX)



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Applications

Fillet weld grinding, chamfering, deburring, contour grinding



PFERD specification number

Z SG-PLUS-CURVE

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

POLIFAN® CO-CURVE is produced with a high quality ceramic oxide coated material for long service life, and topped with a cooling agent, which guarantees cool grinding on poor heat-conducting materials, without thermal damage to the workpiece.

With 60 grit material for finer surface finishes, these discs are designed for all demanding grinding applications.

Abrasive: Ceramic oxide CO

Workpiece materials

Stainless steel (INOX), steel



CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)

Applications

Fillet weld grinding, chamfering, deburring, contour grinding

PFERD specification number

CO SG-PLUS-CURVE

Stainless steel (INOX)/steel
SG-PLUS CO-CURVE



Diameter [Inches]	Unthreaded arbor hole			Threaded arbor hole			Max. RPM	
	Bore [Inches]	Grit, size and EDP number		Thread	Grit, size and EDP number			
		60 Size medium	60 Size large		60 Size medium	60 Size large		
CURVE (PFR – radial type) 								
4-1/2	7/8	67234	67381	5/8-11	67258	67405	13,300	10
5	7/8	67197	67344	5/8-11	67217	67364	12,200	10

POLIFAN®-CURVE-ALU is specially formulated for non-loading grinding performance on aluminum and soft non-ferrous metals.

Contains no fillers that could leave undesirable residues on the workpiece. The surface can therefore be welded immediately.

Abrasive: Aluminum oxide A

Workpiece materials

Aluminum, non-ferrous metals

Applications

Fillet weld grinding, chamfering, deburring, contour grinding

PFERD specification number

A SG-PLUS-CURVE ALU

Aluminum/non ferrous metals
SG-PLUS CURVE-ALU



Diameter [Inches]	Unthreaded arbor hole		Threaded arbor hole		Max. RPM	
	Bore [Inches]	Grit, size and EDP number	Thread	Grit, size and EDP number		
		40 Size large		40 Size large		
CURVE (PFR – radial type) 						
4-1/2	7/8	67646	5/8-11	67671	13,300	10
5	7/8	67651	5/8-11	67676	12,200	10



POLIFAN® flap discs

Flat (type 27) and conical (type 29) – Universal line PSF



Steel/stainless steel (INOX)
PSF ZIRKON



General purpose flap discs for multi-purpose use. Built with zirconia coated material for durable performance, even in demanding grinding applications.

Abrasive: Zirconia alumina Z

Workpiece materials

Steel, stainless steel (INOX)



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Applications

Surface grinding, weld grinding, blending, chamfering, deburring

Recommendation for use

Optimal stock removal rates are achieved with high-powered angle grinders (please refer to the table on page 4: 4-1/2" electric angle grinder = 8+ amps). used at higher application pressures.

PFERDERGONOMICS®



PFERDEFFICIENCY®



PFERD specification number

PSF Z

Diameter [Inches]	Unthreaded arbor hole						Threaded arbor hole					Max. RPM		
	Bore [Inches]	Grit and EDP number					Thread	Grit and EDP number						
		36	40	60	80	120		36	40	60	80			120
Flat (PFF – type 27)														
4	5/8	-	62004	62005	62006	62007	3/8-24	-	62159	62161	62163	62165	15,300	10
4-1/2	7/8	62013	62014	62015	62016	-	5/8-11	62032	62033	62034	62035	-	13,300	10
5	7/8	63010	63011	63012	63013	-	5/8-11	63014	63015	63016	63017	-	12,200	10
6	7/8	-	63051	63052	-	-	5/8-11	-	63056	63057	-	-	10,200	10
7	7/8	62017	62024	62025	62026	-	5/8-11	62027	62043	62044	62045	-	8,500	10
Conical (PFC – type 29)														
4	5/8	-	62000	62001	-	-	3/8-24	-	62990	62991	-	-	15,300	10
4-1/2	7/8	62051	62052	62053	62054	62055	5/8-11	62070	62071	62072	62073	62074	13,300	10
5	7/8	63030	63031	63032	63033	63034	5/8-11	63039	63035	63036	63037	63038	12,200	10
6	7/8	-	63071	63072	-	-	5/8-11	-	63076	63077	-	-	10,200	10
7	7/8	62061	62062	62063	62064	62065	5/8-11	62080	62081	62082	62083	62084	8,500	10



Conventional POLIFAN® PSF ZIRKON flap disc



Comparison of a POLIFAN® PSF ZIRKON and a POLIFAN® PSF ZIRKON-EXTRA flap disc



POLIFAN® PSF ZIRKON-EXTRA

Produced with 40% more zirconia coated material than standard PSF flap discs, PSF ZIRKON-EXTRA flap discs provide a long service life, an improved surface finish and a soft, cushioned grinding effect.

Abrasive: Zirconia alumina Z

Workpiece materials

Steel, stainless steel (INOX)



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Applications

Surface grinding, weld grinding, blending, chamfering, deburring

Recommendation for use

While these discs perform on all power outputs, high-powered angle grinders (please refer to the table on page 4: 4-1/2" electric angle grinder = 8+ amps) will achieve optimal results.

PFERDERGONOMICS®



PFERDEFFICIENCY®



PFERD specification number

PSF Z-EXTRA

**Steel/stainless steel (INOX)
PSF ZIRKON-EXTRA**



Diameter [Inches]	Unthreaded arbor hole						Threaded arbor hole					Max. RPM		
	Bore [Inches]	Grit and EDP number					Thread	Grit and EDP number						
		36	40	60	80	120		36	40	60	80			120

Flat (PFF – type 27)



4-1/2	7/8	60457	60458	60460	60461	60462	5/8-11	60485	60486	60488	60489	60490	13,300	10
5	7/8	60464	60465	60467	60468	60469	5/8-11	60492	60493	60495	60496	60497	12,200	10
6	7/8	60471	60472	60474	60475	60476	5/8-11	60499	60500	60502	60503	60504	10,200	10
7	7/8	60478	60479	60481	60482	60483	5/8-11	60506	60507	60509	60510	60511	8,500	10

Conical (PFC – type 29)



4-1/2	7/8	60625	60626	60628	60629	60630	5/8-11	60653	60654	60656	60657	60658	13,300	10
5	7/8	60632	60633	60635	60636	60637	5/8-11	60660	60661	60663	60664	60665	12,200	10
6	7/8	60639	60640	60642	60643	60644	5/8-11	60667	60668	60670	60671	60672	10,200	10
7	7/8	60646	60647	60649	60650	60651	5/8-11	60674	60675	60677	60678	60679	8,500	10

The POLIFAN® PSF ZIRKON-TRIM has a composite backer which can be trimmed to extend the service life. The 5/8-11 quick-change version is produced with a zinc hub.

Abrasive: Zirconia alumina Z

Workpiece materials

Steel, stainless steel (INOX)



**CONTAMINATION FREE
RATED FOR STAINLESS STEEL (INOX)**

Application

Surface grinding, weld grinding

Recommendation for use

While these discs perform on all power outputs, high-powered angle grinders (please refer to the table on page 4: 4-1/2" electric angle grinder = 8+ amps) will achieve optimal results.

PFERDERGONOMICS®



PFERDEFFICIENCY®



PFERD specification number

PSF Z-TRIM

**Steel/stainless steel (INOX)
PSF ZIRKON-TRIM**



Diameter [Inches]	Unthreaded arbor hole				Threaded arbor hole			Max. RPM		
	Bore [Inches]	Grit and EDP number			Thread	Grit and EDP number				
		40	60	80		40	60			80

Flat (PFF – type 27)



4-1/2	7/8	68098	68099	68100	5/8-11	68158	68159	68160	13,300	10
5	7/8	68104	68105	68106	5/8-11	68164	68165	68166	12,200	10
7	7/8	68116	68117	68118	5/8-11	68176	68177	68178	8,500	10



Printed in Germany

Subject to technical modifications.

12/2016

819 185



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