

POLIFAN® flap discs

The fast way to the best tool



POLIFAN® flap discs

Description, label, colour coding

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

The flap disc **POLIFAN®-STRONG** with its exceptional aggressiveness and tool life and the flap disc **POLIFAN®-CURVE** 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 sustainably reduce vibrations, noise and dust levels generated during use.



Product lines

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



For general use in industry and crafts

Performance Line SG



Widest range of tools for professional use in industry and crafts

Special Line SGP



For special tasks in the industry

The fast way to the best tool

Starting with the application ① and material ②, the overview shows the various types of tools in the PFERD range and helps you to find the best tool. For information on tool drives, please refer to the respective catalogue page.

① Application	② Material		Stainless steel (INOX)		Aluminium, non-ferrous metals		Plastics, other materials	
	Steel	Type	Type	Page	Type	Page	Type	Page
Surface grinding	PSF		PSF				PSF	
	PSF A	32	PSF ZIRKON	33			PSF A	32
	PSF ZIRKON	33	SG		SG		SG	
	SG		SG A	34	SG A-COOL	37	SG A	34
	SG A	34	SG ZA	36	SGP		SG A	34
	SG ZIRKON	35	SG A-COOL	37	SGP CO-COOL	39	SG A-COOL	37
	SG ZIRKON-COMPACT	36	SGP					
	SGP		SGP ZIRKON-COOL	38				
	SGP CO-STRONG	40	SGP CO-COOL	39				
			SGP CO-STRONG-FREEZE	41				
Work on weld seams	PSF		PSF					
	PSF A	32	PSF ZIRKON	33				
	PSF ZIRKON	33	SG		SG			
	SG		SG A	34	SG A-COOL	37		
	SG A	34	SG ZA	36	SGP			
	SG ZIRKON	35	SGP		SGP CO-COOL	39		
	SG ZIRKON-COMPACT	36	SGP ZIRKON-COOL	38				
	SGP		SGP CO-COOL	39				
	SGP ZIRKON-POWER	38	SGP CO-STRONG-FREEZE	41				
	SGP ZIRKON-STRONG	40						
		SGP CO-STRONG	40					
Chamfering	SG		SG				PSF	
	SG ZIRKON	35	SG ZIRKON	35	SGP		PSF A	32
	SG ZIRKON-COMPACT	36	SG ZIRKON-COMPACT	36	SGP CO-COOL	39	SG	
	SGP		SGP				SG A	34
	SGP ZIRKON-POWER	38	SGP ZIRKON-POWER	38				
	SGP ZIRKON-STRONG	40						
Deburring	SG		SG				PSF	
	SG ZIRKON-COMPACT	36	SG ZIRKON-COMPACT	36	SGP		PSF A	32
	SGP		SGP		SGP CO-COOL	39	SG	
	SGP ZIRKON-POWER	38	SGP ZIRKON-POWER	38			SG A	34
		SGP ZIRKON-STRONG	40					
Fillet weld grinding	SGP		SGP					
	SGP ZIRKON-CURVE	42	SGP ZIRKON-CURVE	42	SGP			
	SGP ZIRKON-CORNER	43	SGP CO-CURVE	43	SGP A CURVE-ALU	43		
	SGP CO-CURVE	43	SGP ZIRKON-CORNER	43				

PFERD description

PFC 125 Z 40 SG-COMPACT/22.23

① ② ③ ④ ⑤ ⑥ ⑦

① Description and shape of the tool

- PFF = Flat type
- PFC = Conical type
- PFR = Radial type

② Outer diameter

Outer dia. D in [mm]

③ Abrasive

- A = Aluminium oxide
- CO = Ceramic oxide grain
- Z = Zirconia alumina
- ZA = Zirconia alumina/aluminium oxide

④ Grit size

⑤ PFERD product lines

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

⑥ Tool variant

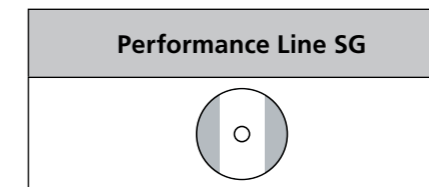
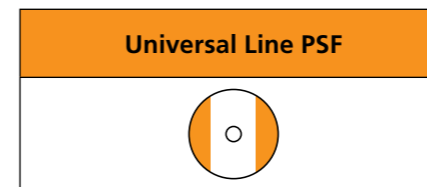
- COMPACT = for chamfering and deburring with high aggressiveness and long tool life
- COOL = for cool grinding
- CORNER = for corners and angles
- CURVE = for fillet weld and contour grinding
- FREEZE = for very cool grinding
- POWER = for work on edges
- STRONG = for maximum aggressiveness and tool life

⑦ Centre hole diameter

Centre hole dia. H in [mm]

The PFERD description corresponds to the designation in accordance with EN 13743.

Colour coding for the three product lines

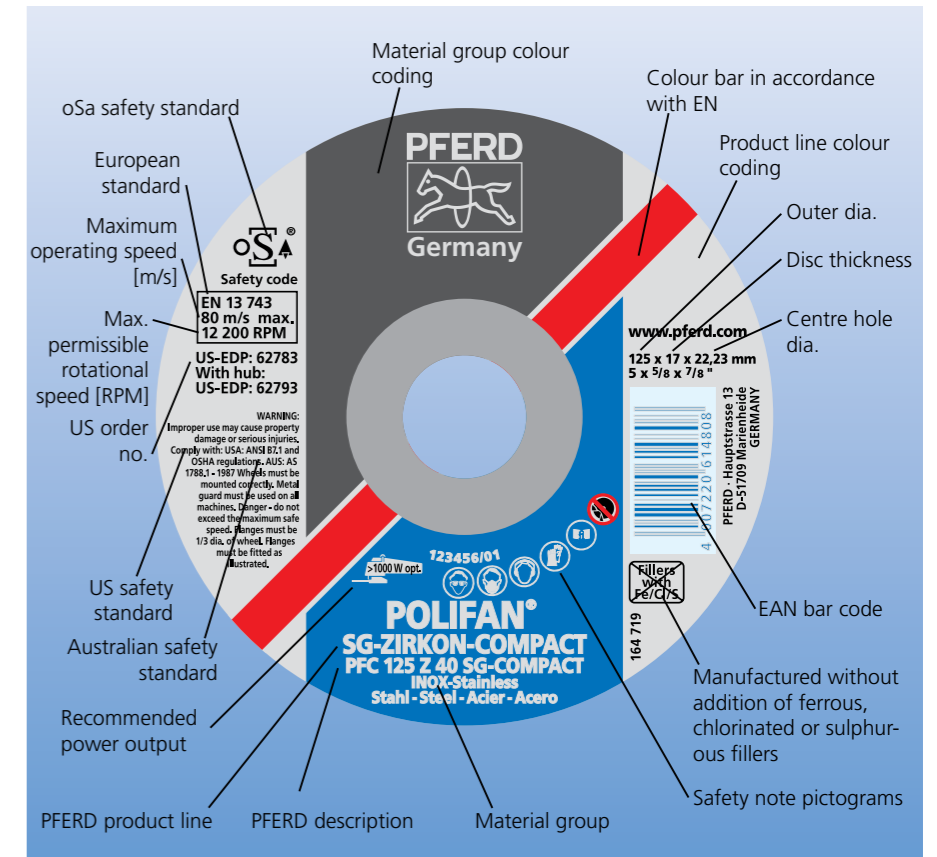


Colour coding of the materials to be worked

Universal Line PSF	
Material = Colour	Page
Steel/stainless steel (INOX) = black/blue	32
Steel/stainless steel (INOX) = black/blue	33

Performance Line SG	
Material = Colour	Page
Steel/stainless steel (INOX) = black/blue	34
Steel/stainless steel (INOX) = black/blue	35
Stainless steel (INOX) = blue	36
Aluminium/non-ferrous metals/stainless steel (INOX) = silver/blue	37

Special Line SGP	
Material = Colour	Page
Steel = black	40
Steel/stainless steel (INOX) = black/blue	38
Steel/stainless steel (INOX) = black/blue	42
Steel/stainless steel (INOX) = black/blue	43
Stainless steel (INOX) = blue	38
Stainless steel (INOX) = blue	39
Stainless steel (INOX) = blue	41
Aluminium/non-ferrous metals = silver	43





Steel/INOX/plastic Type PSF A



Versatile tool with high stock removal performance and long tool life for multipurpose grinding work.

Abrasive: Aluminium oxide A
Grit sizes: 40, 60, 80, 120

Materials to be worked:
Steel, stainless steel (INOX), plastic

Applications:
Surface grinding, work on weld seams

Recommendations for use:

- Achieves very good grinding results even at low contact pressure
- Suitable for use on angle grinders of all output categories

PFERDERGONOMICS®:



Tool with aggressive stock removal performance and long tool life for demanding multipurpose grinding work.

Abrasive: Zirconia alumina Z
Grit sizes: 40, 60, 80, 120

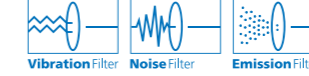
Materials to be worked:
Steel, stainless steel (INOX)

Applications:
Surface grinding, work on weld seams

Recommendations for use:

- Optimum stock removal rates are achieved with high-powered angle grinders used at higher application pressures

PFERDERGONOMICS®:



Steel/INOX Type PSF ZIRKON



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type PFF					
PFF 115 A 40 PSF/22,23	512388	40	115 x 16.0 x 22.23 (7/8)	13,300	10
PFF 115 A 60 PSF/22,23	512395	60	115 x 15.0 x 22.23 (7/8)	13,300	10
PFF 115 A 80 PSF/22,23	512401	80	115 x 15.0 x 22.23 (7/8)	13,300	10
PFF 115 A 120 PSF/22,23	512418	120	115 x 13.0 x 22.23 (7/8)	13,300	10
PFF 125 A 40 PSF/22,23	512425	40	125 x 16.0 x 22.23 (7/8)	12,200	10
PFF 125 A 60 PSF/22,23	512432	60	125 x 15.0 x 22.23 (7/8)	12,200	10
PFF 125 A 80 PSF/22,23	512449	80	125 x 15.0 x 22.23 (7/8)	12,200	10
PFF 125 A 120 PSF/22,23	512456	120	125 x 13.0 x 22.23 (7/8)	12,200	10
PFF 180 A 40 PSF/22,23	512463	40	180 x 16.0 x 22.23 (7/8)	8,500	10
Conical type PFC					
PFC 115 A 40 PSF/22,23	444559	40	115 x 15.0 x 22.23 (7/8)	13,300	10
PFC 115 A 60 PSF/22,23	444566	60	115 x 14.0 x 22.23 (7/8)	13,300	10
PFC 115 A 80 PSF/22,23	444573	80	115 x 14.0 x 22.23 (7/8)	13,300	10
PFC 115 A 120 PSF/22,23	444580	120	115 x 12.0 x 22.23 (7/8)	13,300	10
PFC 125 A 40 PSF/22,23	444603	40	125 x 15.0 x 22.23 (7/8)	12,200	10
PFC 125 A 60 PSF/22,23	444610	60	125 x 14.0 x 22.23 (7/8)	12,200	10
PFC 125 A 80 PSF/22,23	444627	80	125 x 14.0 x 22.23 (7/8)	12,200	10
PFC 125 A 120 PSF/22,23	444634	120	125 x 12.0 x 22.23 (7/8)	12,200	10
PFC 180 A 40 PSF/22,23	444689	40	180 x 15.0 x 22.23 (7/8)	8,500	10
PFC 180 A 60 PSF/22,23	444696	60	180 x 14.0 x 22.23 (7/8)	8,500	10

Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type PFF					
PFF 115 Z 40 PSF/22,23	512487	40	115 x 15.0 x 22.23 (7/8)	13,300	10
PFF 115 Z 60 PSF/22,23	512494	60	115 x 14.0 x 22.23 (7/8)	13,300	10
PFF 115 Z 80 PSF/22,23	512500	80	115 x 14.0 x 22.23 (7/8)	13,300	10
PFF 125 Z 40 PSF/22,23	512517	40	125 x 15.0 x 22.23 (7/8)	12,200	10
PFF 125 Z 60 PSF/22,23	512524	60	125 x 14.0 x 22.23 (7/8)	12,200	10
PFF 125 Z 80 PSF/22,23	512531	80	125 x 14.0 x 22.23 (7/8)	12,200	10
PFF 180 Z 40 PSF/22,23	512548	40	180 x 15.0 x 22.23 (7/8)	8,500	10
PFF 180 Z 60 PSF/22,23	512555	60	180 x 15.0 x 22.23 (7/8)	8,500	10
Conical type PFC					
PFC 100 Z 40 PSF/16,0	953273	40	100 x 14.0 x 16 (5/8)	15,300	10
PFC 100 Z 60 PSF/16,0	953280	60	100 x 14.0 x 16 (5/8)	15,300	10
PFC 100 Z 80 PSF/16,0	953297	60	100 x 14.0 x 16 (5/8)	15,300	10
PFC 100 Z 120 PSF/16,0	953303	120	100 x 14.0 x 16 (5/8)	15,300	10
PFC 115 Z 40 PSF/22,23	377352	40	115 x 14.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 60 PSF/22,23	444597	60	115 x 14.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 80 PSF/22,23	377369	80	115 x 14.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 120 PSF/22,23	934203	120	115 x 14.0 x 22.23 (7/8)	13,300	10
PFC 125 Z 40 PSF/22,23	377345	40	125 x 14.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 60 PSF/22,23	444078	60	125 x 14.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 80 PSF/22,23	377338	80	125 x 14.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 120 PSF/22,23	934210	120	125 x 14.0 x 22.23 (7/8)	12,200	10
PFC 150 Z 40 PSF/22,23	805923	40	150 x 14.0 x 22.23 (7/8)	10,200	10
PFC 150 Z 60 PSF/22,23	805930	60	150 x 14.0 x 22.23 (7/8)	10,200	10
PFC 180 Z 40 PSF/22,23	377321	40	180 x 14.0 x 22.23 (7/8)	8,500	10
PFC 180 Z 60 PSF/22,23	444085	60	180 x 14.0 x 22.23 (7/8)	8,500	10
PFC 180 Z 80 PSF/22,23	934227	80	180 x 14.0 x 22.23 (7/8)	8,500	10
PFC 180 Z 120 PSF/22,23	934234	120	180 x 14.0 x 22.23 (7/8)	8,500	10





Steel/INOX/plastic Type SG A



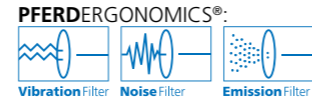
Versatile professional tool for multipurpose grinding work with high stock removal performance and outstanding tool life.

Abrasive: Aluminium oxide A
Grit sizes: 24, 40, 60, 80, 120

Materials to be worked:
Steel, stainless steel (INOX), plastic

Applications:
Surface grinding, work on weld seams

- Recommendations for use:**
- Achieves very good grinding results even at low contact pressure
 - Suitable for angle grinders of all output categories



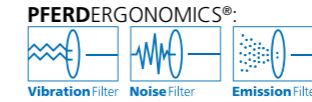
High-performance tool with aggressive stock removal performance and a very long tool life. For demanding grinding work at maximum cost efficiency.

Abrasive: Zirconia alumina Z
Grit sizes: 40, 60, 80, 120

Materials to be worked:
Steel, stainless steel (INOX)

Applications:
Work on weld seams, chamfering, surface grinding on steel

- Recommendations for use:**
- Zirconia alumina is a high-performance abrasive delivering optimum stock removal performance on high-powered angle grinders at higher contact pressures



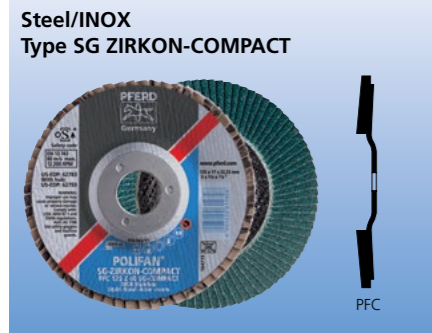
Steel/INOX Type SG ZIRKON



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type PFF					
PFF 100 A 40 SG/16,0	262719	40	100 x 15.0 x 16 (5/8)	15,300	10
PFF 100 A 60 SG/16,0	262733	60	100 x 15.0 x 16 (5/8)	15,300	10
PFF 100 A 80 SG/16,0	262740	80	100 x 14.0 x 16 (5/8)	15,300	10
PFF 100 A 120 SG/16,0	262757	120	100 x 13.0 x 16 (5/8)	15,300	10
PFF 115 A 40 SG/22,23	167496	40	115 x 19.0 x 22.23 (7/8)	13,300	10
PFF 115 A 60 SG/22,23	167526	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFF 115 A 80 SG/22,23	167557	80	115 x 17.0 x 22.23 (7/8)	13,300	10
PFF 115 A 120 SG/22,23	167588	120	115 x 15.0 x 22.23 (7/8)	13,300	10
PFF 125 A 40 SG/22,23	167502	40	125 x 19.0 x 22.23 (7/8)	12,200	10
PFF 125 A 60 SG/22,23	167533	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFF 125 A 80 SG/22,23	167564	80	125 x 17.0 x 22.23 (7/8)	12,200	10
PFF 125 A 120 SG/22,23	167595	120	125 x 15.0 x 22.23 (7/8)	12,200	10
PFF 180 A 40 SG/22,23	167519	40	180 x 19.0 x 22.23 (7/8)	8,500	10
PFF 180 A 60 SG/22,23	167540	60	180 x 17.0 x 22.23 (7/8)	8,500	10
PFF 180 A 80 SG/22,23	167571	80	180 x 17.0 x 22.23 (7/8)	8,500	10
PFF 180 A 120 SG/22,23	167601	120	180 x 15.0 x 22.23 (7/8)	8,500	10
Conical type PFC					
PFC 115 A 24 SG/22,23	614969	24	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 A 40 SG/22,23	167809	40	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 A 60 SG/22,23	167830	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 A 80 SG/22,23	167861	80	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 A 120 SG/22,23	167892	120	115 x 15.0 x 22.23 (7/8)	13,300	10
PFC 125 A 24 SG/22,23	614976	24	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 A 40 SG/22,23	167816	40	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 A 60 SG/22,23	167847	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 A 80 SG/22,23	167878	80	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 A 120 SG/22,23	167908	120	125 x 15.0 x 22.23 (7/8)	12,200	10
PFC 180 A 24 SG/22,23	167793	24	180 x 19.0 x 22.23 (7/8)	8,500	10
PFC 180 A 40 SG/22,23	167823	40	180 x 17.0 x 22.23 (7/8)	8,500	10
PFC 180 A 60 SG/22,23	167854	60	180 x 17.0 x 22.23 (7/8)	8,500	10
PFC 180 A 80 SG/22,23	167885	80	180 x 17.0 x 22.23 (7/8)	8,500	10
PFC 180 A 120 SG/22,23	167915	120	180 x 15.0 x 22.23 (7/8)	8,500	10

Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type PFF					
PFF 115 Z 40 SG/22,23	167618	40	115 x 18.0 x 22.23 (7/8)	13,300	10
PFF 115 Z 60 SG/22,23	167649	60	115 x 18.0 x 22.23 (7/8)	13,300	10
PFF 125 Z 40 SG/22,23	167625	40	125 x 18.0 x 22.23 (7/8)	12,200	10
PFF 125 Z 60 SG/22,23	167656	60	125 x 18.0 x 22.23 (7/8)	12,200	10
PFF 180 Z 40 SG/22,23	167632	40	180 x 20.0 x 22.23 (7/8)	8,500	10
PFF 180 Z 60 SG/22,23	167663	60	180 x 18.0 x 22.23 (7/8)	8,500	10
Conical type PFC					
PFC 115 Z 40 SG/22,23	167922	40	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 60 SG/22,23	167953	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 80 SG/22,23	934241	80	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 120 SG/22,23	934258	120	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 125 Z 40 SG/22,23	167939	40	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 60 SG/22,23	167960	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 80 SG/22,23	934265	80	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 120 SG/22,23	934272	120	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 180 Z 40 SG/22,23	167946	40	180 x 20.0 x 22.23 (7/8)	8,500	10
PFC 180 Z 60 SG/22,23	167977	60	180 x 17.0 x 22.23 (7/8)	8,500	10
PFC 180 Z 80 SG/22,23	934289	80	180 x 17.0 x 22.23 (7/8)	8,500	10
PFC 180 Z 120 SG/22,23	934296	120	180 x 17.0 x 22.23 (7/8)	8,500	10





High-performance tool with very high stock removal performance and outstanding tool life. For demanding grinding work at maximum cost efficiency.

Abrasive: Zirconia alumina Z
Grit sizes: 40, 60

Materials to be worked:
Steel, stainless steel (INOX)

Applications:
Work on weld seams, chamfering, deburring, surface grinding on steel

Recommendations for use:

- Zirconia alumina is a high-performance abrasive delivering optimum stock removal performance on high-powered angle grinders

PFERDERGONOMICS®:



Professional tool for grinding work achieving a high surface quality with low thermal loads. Particularly low heat build-up grinding on materials which do not conduct heat well.

Abrasive: Aluminium oxide A with coating
Grit sizes: 40, 60, 80, 120

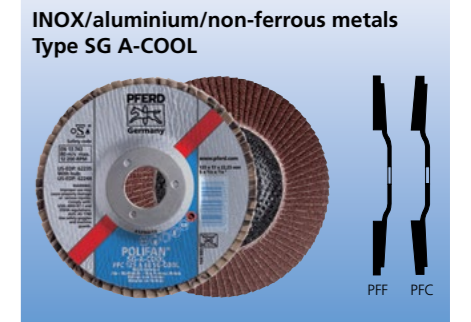
Materials to be worked:
Stainless steel (INOX), aluminium (grit sizes 40 and 60), non-ferrous metals

Applications:
Cool surface grinding, work on weld seams

Recommendations for use:

- Ensures low build-up of heat in the workpiece even when used with minimum contact pressure on variable-speed angle grinders at low rotational speeds
- Performs exceptionally well on sheet metal and thin profiles

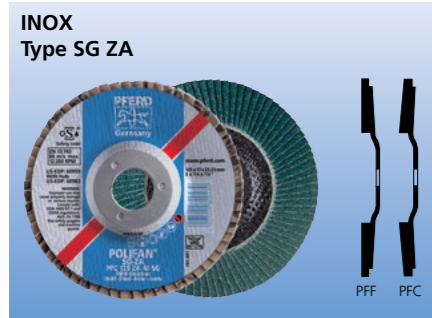
PFERDERGONOMICS®:



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
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Conical type PFC

PFC 115 Z 40 SG-COMPACT/22,23	614785	40	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 60 SG-COMPACT/22,23	614846	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 125 Z 40 SG-COMPACT/22,23	614808	40	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 60 SG-COMPACT/22,23	614860	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 150 Z 40 SG-COMPACT/22,23	953310	40	150 x 18.0 x 22.23 (7/8)	10,200	10
PFC 150 Z 60 SG-COMPACT/22,23	953327	60	150 x 18.0 x 22.23 (7/8)	10,200	10
PFC 180 Z 40 SG-COMPACT/22,23	614822	40	180 x 19.0 x 22.23 (7/8)	8,500	10
PFC 180 Z 60 SG-COMPACT/22,23	614891	60	180 x 19.0 x 22.23 (7/8)	8,500	10



Professional tool for demanding grinding work with high stock removal performance and long tool life.

Abrasive: Zirconia alumina/aluminium oxide ZA
Grit sizes: 40, 60, 80

Materials to be worked:
Stainless steel (INOX)

Applications:
Surface grinding, work on weld seams

Recommendations for use:

- The high-performance abrasive zirconia alumina retains its good cutting qualities in particular during surface grinding on stainless steel (INOX) and does not glaze
- Can be used on angle grinders of all output categories

PFERDERGONOMICS®:



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
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Flat type PFF

PFF 100 A 40 SG-COOL/16,0	262764	40	100 x 15.0 x 16 (5/8)	15,300	10
PFF 100 A 60 SG-COOL/16,0	262771	60	100 x 14.0 x 16 (5/8)	15,300	10
PFF 100 A 80 SG-COOL/16,0	262788	80	100 x 14.0 x 16 (5/8)	15,300	10
PFF 100 A 120 SG-COOL/16,0	934678	120	100 x 14.0 x 16 (5/8)	15,300	10
PFF 115 A 40 SG-COOL/22,23	222737	40	115 x 18.0 x 22.23 (7/8)	13,300	10
PFF 115 A 60 SG-COOL/22,23	222744	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFF 115 A 80 SG-COOL/22,23	222751	80	115 x 17.0 x 22.23 (7/8)	13,300	10
PFF 115 A 120 SG-COOL/22,23	934685	120	115 x 17.0 x 22.23 (7/8)	13,300	10
PFF 125 A 40 SG-COOL/22,23	232910	40	125 x 18.0 x 22.23 (7/8)	12,200	10
PFF 125 A 60 SG-COOL/22,23	232934	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFF 125 A 80 SG-COOL/22,23	232958	80	125 x 17.0 x 22.23 (7/8)	12,200	10
PFF 125 A 120 SG-COOL/22,23	934692	120	125 x 17.0 x 22.23 (7/8)	12,200	10
PFF 180 A 40 SG-COOL/22,23	222768	40	180 x 18.0 x 22.23 (7/8)	8,500	10
PFF 180 A 60 SG-COOL/22,23	232989	60	180 x 17.0 x 22.23 (7/8)	8,500	10
PFF 180 A 80 SG-COOL/22,23	233009	80	180 x 17.0 x 22.23 (7/8)	8,500	10
PFF 180 A 120 SG-COOL/22,23	934708	120	180 x 17.0 x 22.23 (7/8)	8,500	10

Conical type PFC

PFC 115 A 40 SG-COOL/22,23	232880	40	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 A 60 SG-COOL/22,23	232897	60	115 x 16.0 x 22.23 (7/8)	13,300	10
PFC 115 A 80 SG-COOL/22,23	232903	80	115 x 16.0 x 22.23 (7/8)	13,300	10
PFC 115 A 120 SG-COOL/22,23	934647	120	115 x 16.0 x 22.23 (7/8)	13,300	10
PFC 125 A 40 SG-COOL/22,23	232927	40	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 A 60 SG-COOL/22,23	232941	60	125 x 16.0 x 22.23 (7/8)	12,200	10
PFC 125 A 80 SG-COOL/22,23	232965	80	125 x 16.0 x 22.23 (7/8)	12,200	10
PFC 125 A 120 SG-COOL/22,23	934654	120	125 x 16.0 x 22.23 (7/8)	12,200	10
PFC 180 A 40 SG-COOL/22,23	232972	40	180 x 17.0 x 22.23 (7/8)	8,500	10
PFC 180 A 60 SG-COOL/22,23	232996	60	180 x 16.0 x 22.23 (7/8)	8,500	10
PFC 180 A 80 SG-COOL/22,23	233016	80	180 x 16.0 x 22.23 (7/8)	8,500	10
PFC 180 A 120 SG-COOL/22,23	934661	120	180 x 16.0 x 22.23 (7/8)	8,500	10

Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
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Flat type PFF

PFF 115 ZA 40 SG/22,23	800300	40	115 x 18.0 x 22.23 (7/8)	13,300	10
PFF 115 ZA 60 SG/22,23	800317	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFF 115 ZA 80 SG/22,23	800324	80	115 x 16.0 x 22.23 (7/8)	13,300	10
PFF 125 ZA 40 SG/22,23	800331	40	125 x 18.0 x 22.23 (7/8)	12,200	10
PFF 125 ZA 60 SG/22,23	800348	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFF 125 ZA 80 SG/22,23	800355	80	125 x 17.0 x 22.23 (7/8)	12,200	10

Conical type PFC

PFC 115 ZA 40 SG/22,23	800409	40	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 ZA 60 SG/22,23	800416	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 ZA 80 SG/22,23	800423	80	115 x 16.0 x 22.23 (7/8)	13,300	10
PFC 125 ZA 40 SG/22,23	800430	40	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 ZA 60 SG/22,23	800447	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 ZA 80 SG/22,23	800454	80	125 x 16.0 x 22.23 (7/8)	12,200	10
PFC 180 ZA 40 SG/22,23	800478	40	180 x 17.0 x 22.23 (7/8)	8,500	10
PFC 180 ZA 60 SG/22,23	800485	60	180 x 17.0 x 22.23 (7/8)	8,500	10





Highly resilient, aggressive special tool with long tool life and high economic value. For chamfering and deburring work with high stock removal requirements.

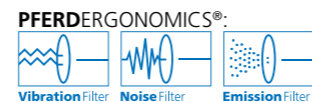
Abrasive: Zirconia alumina Z
Grit sizes: 40, 60

Materials to be worked:
Steel, stainless steel (INOX)

Applications:
Work on weld seams, chamfering, deburring

Recommendations for use:

- The high-performance abrasive zirconia alumina achieves its best grinding results on air turbine grinders and powerful high-frequency or electric angle grinders



Special tool for particularly low heat generation, very aggressive stock removal performance and high economic value. For demanding grinding work on materials which are very hard to machine.

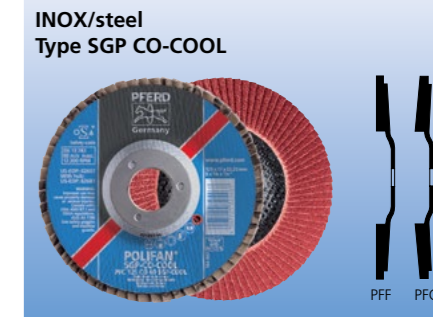
Abrasive: Ceramic oxide grain CO with coating
Grit sizes: 40, 60

Materials to be worked:
High-alloy and rust-resistant steel, nickel-based alloys, titanium alloys, steel

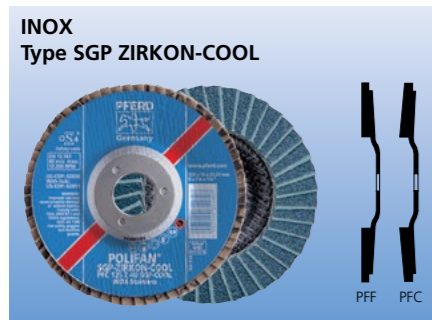
Applications:
Surface grinding, work on weld seams, chamfering, deburring

Recommendations for use:

- The self-sharpening action of the ceramic oxide grain is effective even at low contact pressures, giving optimum grinding results without heat discoloration of the work-piece
- This product is also suitable for use on hard mill scale
- Achieves best results on high-powered angle grinders



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Conical type PFC					
PFC 115 Z 40 SGP-POWER/22,23	618578	40	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 60 SGP-POWER/22,23	758717	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 125 Z 40 SGP-POWER/22,23	614631	40	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 60 SGP-POWER/22,23	758724	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 180 Z 40 SGP-POWER/22,23	618585	40	180 x 19.0 x 22.23 (7/8)	8,500	10



Special tool with particularly low heat generation, aggressive stock removal performance and high economic value. For demanding grinding work with minimum thermal loads.

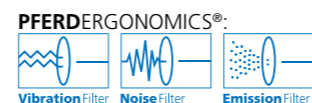
Abrasive: Zirconia alumina Z with patented COOL FLAP® flaps
Grit sizes: 40, 60, 80

Materials to be worked:
Stainless steel (INOX), materials which do not conduct heat well

Applications:
Surface grinding, work on weld seams

Recommendations for use:

- The combination of abrasive and COOL FLAP® flaps provides optimum grinding results without heat discoloration
- Achieves best results on high-powered angle grinders



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type PFF					
PFF 115 CO 40 SGP-COOL/22,23	725436	40	115 x 18.0 x 22.23 (7/8)	13,300	10
PFF 115 CO 60 SGP-COOL/22,23	793145	60	115 x 17.0 x 22.23 (7/8)	13,300	10
PFF 125 CO 40 SGP-COOL/22,23	725450	40	125 x 18.0 x 22.23 (7/8)	12,200	10
PFF 125 CO 60 SGP-COOL/22,23	793152	60	125 x 17.0 x 22.23 (7/8)	12,200	10
PFF 180 CO 40 SGP-COOL/22,23	725474	40	180 x 20.0 x 22.23 (7/8)	8,500	10
Conical type PFC					
PFC 115 CO 40 SGP-COOL/22,23	725443	40	115 x 17.0 x 22.23 (7/8)	13,300	10
PFC 115 CO 60 SGP-COOL/22,23	793169	60	115 x 16.0 x 22.23 (7/8)	13,300	10
PFC 125 CO 40 SGP-COOL/22,23	725467	40	125 x 17.0 x 22.23 (7/8)	12,200	10
PFC 125 CO 60 SGP-COOL/22,23	793176	60	125 x 16.0 x 22.23 (7/8)	12,200	10
PFC 180 CO 40 SGP-COOL/22,23	725481	40	180 x 20.0 x 22.23 (7/8)	8,500	10

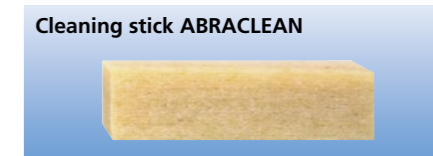
Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Flat type PFF					
PFF 115 Z 40 SGP-COOL/22,23	611838	40	115 x 18.0 x 22.23 (7/8)	13,300	10
PFF 115 Z 60 SGP-COOL/22,23	611845	60	115 x 18.0 x 22.23 (7/8)	13,300	10
PFF 115 Z 80 SGP-COOL/22,23	611852	80	115 x 18.0 x 22.23 (7/8)	13,300	10
PFF 125 Z 40 SGP-COOL/22,23	611869	40	125 x 18.0 x 22.23 (7/8)	12,200	10
PFF 125 Z 60 SGP-COOL/22,23	611876	60	125 x 18.0 x 22.23 (7/8)	12,200	10
PFF 125 Z 80 SGP-COOL/22,23	611883	80	125 x 18.0 x 22.23 (7/8)	12,200	10
Conical type PFC					
PFC 115 Z 40 SGP-COOL/22,23	611777	40	115 x 16.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 60 SGP-COOL/22,23	611784	60	115 x 16.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 80 SGP-COOL/22,23	611791	80	115 x 16.0 x 22.23 (7/8)	13,300	10
PFC 125 Z 40 SGP-COOL/22,23	611807	40	125 x 16.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 60 SGP-COOL/22,23	611814	60	125 x 16.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 80 SGP-COOL/22,23	611821	80	125 x 16.0 x 22.23 (7/8)	12,200	10

Special accessory for cleaning clogged abrasive tools. Powerful cleaning action on coated abrasives.

Recommendations for use:

- For cleaning clogged fibre discs, POLIFAN® flap discs and abrasive belts
- Cleaning stick is held against the rotating tool

Cleaning stick ABRACLEAN



Description	EAN 4007220	Dimensions [mm]	
RG 300 50	165225	300 x 50 x 50.0	2





POLIFAN®-STRONG

The patented design of the flap disc POLIFAN®-STRONG, with its long, compactly arranged flaps, introduces a whole new dimension in grinding.

Advantages:

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

Recommendations for use:

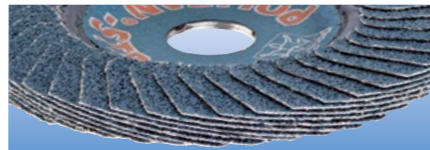
- Grit sizes 36/40 ideal for high stock removal, such as when working on weld seams
- Grit size 50 ideal for work on edges, such as chamfering, or for attaining fine surfaces
- Suitable for angle grinders of all output categories



PFERDVIDEO

You will receive more information here or at www.pferd.com

PFERDERGONOMICS® recommends the flap disc POLIFAN®-STRONG to sustainably reduce vibration, noise and dust levels generated during use.



Steel Type SGP ZIRKON-STRONG



The SGP ZIRKON-STRONG is a high-performance tool with particularly high machining performance and maximum stock removal rates for demanding grinding work.

Abrasive: Zirconia alumina Z
Grit sizes: 36, 50

Materials to be worked:
Steel

Applications:
Work on weld seams, chamfering, deburring

PFERDERGONOMICS®:



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Conical type PFC					
PFC 115 Z 36 SGP-STRONG/22,23	777862	36	115 x 18.0 x 22.23 (7/8)	13,300	10
PFC 115 Z 50 SGP-STRONG/22,23	777879	50	115 x 18.0 x 22.23 (7/8)	13,300	10
PFC 125 Z 36 SGP-STRONG/22,23	777886	36	125 x 18.0 x 22.23 (7/8)	12,200	10
PFC 125 Z 50 SGP-STRONG/22,23	777893	50	125 x 18.0 x 22.23 (7/8)	12,200	10
PFC 180 Z 36 SGP-STRONG/22,23	827468	36	180 x 18.0 x 22.23 (7/8)	8,600	10
PFC 180 Z 50 SGP-STRONG/22,23	827482	50	180 x 18.0 x 22.23 (7/8)	8,600	10

Steel Type SGP CO-STRONG



The SGP CO-STRONG is a high-performance tool with particularly high machining performance for demanding grinding work. The ceramic oxide grain provides maximum stock removal rates and outstanding tool life on steel.

Abrasive: Ceramic oxide grain CO
Grit size: 40

Materials to be worked:
Steel

Applications:
Surface grinding, work on weld seams

Recommendations for use:
■ Achieves its best grinding results on air turbine grinders and high-frequency or electric angle grinders

PFERDERGONOMICS®:



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Conical type PFC					
PFC 125 CO 40 SGP-STRONG/22,23	957134	40	125 x 18.0 x 22.23 (7/8)	12,200	10
PFC 180 CO 40 SGP-STRONG/22,23	953334	40	180 x 18.0 x 22.23 (7/8)	8,600	10

POLIFAN®-STRONG-FREEZE

With the innovative POLIFAN®-STRONG-FREEZE, PFERD offers a flap disc with worldwide unparalleled cool grinding. This is particularly beneficial for work on materials which do not conduct heat well, such as stainless steel (INOX).

The usual sparks are reduced to a minimum due to the novel structure of the abrasive. Damage to stainless steel workpieces by hot flying sparks is thus almost impossible.

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 (no "vitrification"). This provides the basis for unprecedented cooling, aggressiveness, and tool life.

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

PFERDERGONOMICS® recommends the flap disc POLIFAN®-STRONG-FREEZE to sustainably reduce vibration, noise and dust levels generated during use.



PFERDVIDEO

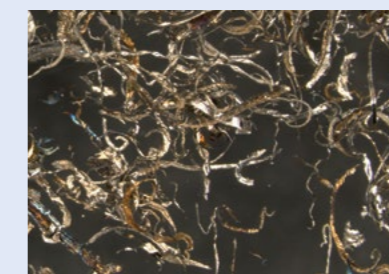
You will receive more information here or at www.pferd.com

Special features

Flap disc POLIFAN®-STRONG-FREEZE



Typical wear pattern with its characteristically shiny cooling film (no "vitrification").



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

Conventional flap disc



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

The SGP CO-STRONG-FREEZE is a high-performance tool with maximum stock removal and outstanding tool life for demanding grinding tasks.

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

Abrasive: Ceramic oxide grain CO
Grit sizes: 36, 50

Materials to be worked:
Stainless steel (INOX), materials which do not conduct heat well, nickel- and cobalt-based alloys (aircraft engine and turbine construction), titanium, Inconel®, Hastelloy®

Applications:

Surface grinding, work on weld seams

Recommendations for use:

- Achieves best results with high-powered angle grinders

PFERDERGONOMICS®:



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
Conical type PFC					
PFC 115 CO 36 SGP-STRONG-FREEZE/22,23	835296	36	115 x 18.0 x 22.23 (7/8)	13,300	10
PFC 115 CO 50 SGP-STRONG-FREEZE/22,23	835302	50	115 x 18.0 x 22.23 (7/8)	13,300	10
PFC 125 CO 36 SGP-STRONG-FREEZE/22,23	835319	36	125 x 18.0 x 22.23 (7/8)	12,200	10
PFC 125 CO 50 SGP-STRONG-FREEZE/22,23	835326	50	125 x 18.0 x 22.23 (7/8)	12,200	10
PFC 180 CO 36 SGP-STRONG-FREEZE/22,23	835333	36	180 x 18.0 x 22.23 (7/8)	8,500	10
PFC 180 CO 50 SGP-STRONG-FREEZE/22,23	835340	50	180 x 18.0 x 22.23 (7/8)	8,500	10

INOX Type SGP CO-STRONG-FREEZE





POLIFAN®-CURVE

POLIFAN®-CURVE is a PFERD innovation for work on fillet welds. The unique radial design (PFR) offers convincing results during complex and demanding work on fillet welds through the special arrangement of the abrasive flaps.

Advantages:

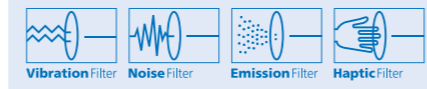
- High stock removal rates through unparallel fast, aggressive grinding and thus significant savings in labour costs
- Precise and optimal grinding out of fillet welds
- High-quality work results through form stability

- Outstanding tool life during work on fillet welds
- Optimal utilization of the abrasives in the radius

Recommendations for use:

- **Type M** for fillet weld radii > 5 mm, radial width: 11 mm
- **Type L** for fillet weld radii > 8 mm, radial width: 14 mm
- Suitable for angle grinders of all output categories

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



PFERDVIDEO
You will receive more information here or at www.pferd.com



Steel/INOX
Type SGP ZIRKON-CURVE



High-performance tool SGP ZIRKON-CURVE with particularly high stock removal rates for demanding grinding work.

Abrasive: Zirconia alumina Z
Grit size: 40

Materials to be worked:
Steel, stainless steel (INOX)

Applications:
Fillet weld grinding, chamfering, deburring, contour grinding

Description	EAN 4007220	Grit size	Fillet weld width	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
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Radial type PFR

PFR 115 Z 40 SGP-CURVE M/22,23	821671	40	> 5 mm	115 x 14.0 x 22.23 (7/8)	13,300	10
PFR 115 Z 40 SGP-CURVE L/22,23	821695	40	> 8 mm	115 x 16.0 x 22.23 (7/8)	13,300	10
PFR 125 Z 40 SGP-CURVE M/22,23	790151	40	> 5 mm	125 x 14.0 x 22.23 (7/8)	12,200	10
PFR 125 Z 40 SGP-CURVE L/22,23	790175	40	> 8 mm	125 x 16.0 x 22.23 (7/8)	12,200	10
PFR 150 Z 40 SGP-CURVE M/22,23	844939	40	> 5 mm	150 x 14.0 x 22.23 (7/8)	10,200	10
PFR 150 Z 40 SGP-CURVE L/22,23	844946	40	> 8 mm	150 x 16.0 x 22.23 (7/8)	10,200	10
PFR 180 Z 40 SGP-CURVE L/22,23	881248	40	> 8 mm	180 x 16.0 x 22.23 (7/8)	8,600	10



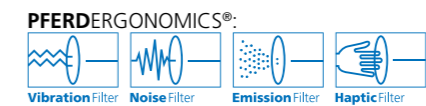
High-performance tool SGP CO-CURVE with high stock removal rates, for demanding grinding work, especially for achieving fine surface finishes.

The ceramic oxide grain guarantees extremely cool grinding on materials which do not conduct heat well, which means optimum grinding results without thermal damage to the workpiece.

Abrasive: Ceramic oxide grain CO
Grit size: 60

Materials to be worked:
Stainless steel (INOX), steel

Applications:
Fillet weld grinding, chamfering, deburring, contour grinding



INOX/Steel
Type SGP CO-CURVE



Description	EAN 4007220	Grit size	Fillet weld width	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
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Radial type PFR

PFR 115 CO 60 SGP-CURVE M/22,23	827444	60	> 5 mm	115 x 14.0 x 22.23 (7/8)	13,300	10
PFR 115 CO 60 SGP-CURVE L/22,23	827451	60	> 8 mm	115 x 16.0 x 22.23 (7/8)	13,300	10
PFR 125 CO 60 SGP-CURVE M/22,23	790168	60	> 5 mm	125 x 14.0 x 22.23 (7/8)	12,200	10
PFR 125 CO 60 SGP-CURVE L/22,23	790182	60	> 8 mm	125 x 16.0 x 22.23 (7/8)	12,200	10

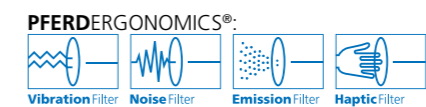
High-performance tool SGP CURVE-ALU for demanding grinding work. Particularly suitable for work on aluminium. No clogging of the tool even on soft, lubricating materials.

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

Abrasive: Aluminium oxide A
Grit size: 40

Materials to be worked:
Aluminium, non-ferrous metals

Applications:
Fillet weld grinding, chamfering, deburring, contour grinding



Aluminium/non ferrous metals
Type SGP CURVE-ALU



Description	EAN 4007220	Grit size	Fillet weld width	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
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Radial type PFR

PFR 115 A 40 SGP-CURVE L/22,23	851968	40	> 8 mm	115 x 16.0 x 22.23 (7/8)	13,300	10
PFR 125 A 40 SGP-CURVE L/22,23	851975	40	> 8 mm	125 x 16.0 x 22.23 (7/8)	12,200	10

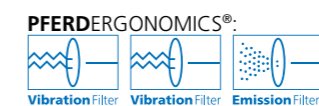
Special tool with high stock removal rates for grinding work on fillet welds and angles which are hard to reach.

Abrasive: Zirconia alumina Z
Grit size: 40

Materials to be worked:
Steel, stainless steel (INOX)

Applications:
Work on fillet welds and angles

Recommendations for use:
■ The projecting flaps adapt especially well to concave contours. After the projecting parts of the flaps have worn down, the tool can be used as a conventional flap disc.



Steel/INOX
Type SGP ZIRKON-CORNER



Description	EAN 4007220	Grit size	D x T x H [mm (inch)]	Max. perm. speed [RPM]	
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Conical type PFC

PFC 125 Z 40 SGP-CORNER/22,23	614648	40	125 x 15.0 x 22.23 (7/8)	12,200	10
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