

POLIFAN®-CURVE

The Ultimate Tool for Fillet Weld Grinding



NEW



- New ceramic range for cool grinding of stainless steel
- High stock removal performance through unparalleled aggressive grinding
- Precise and optimum grinding out of fillet welds

POLIFAN®-CURVE Flap Discs

Special Line SGP



POLIFAN®-CURVE is a new PFERD innovation designed to quickly achieve a smooth, consistent surface finish on fillet welds.

In addition to the SGP ZIRKON-CURVE, PFERD now offers the high-power SGP CO-CURVE POLIFAN® flap discs with a ceramic abrasive grain.

The unique radial construction shape (PFR) offers a superior solution for this common task.

- Tough and aggressive – removes scale and bead from all metals: steel, stainless steel, aluminum and alloys.
- Works faster than grinding wheels without the risk of undercutting the workpiece.
- Precise grinding out of fillet welds provides a superior surface finish.
- Smooth finish allows easy visual inspection for defects, such as porosity and inclusions.
- Ideal for repair applications to remove defects without damage to adjacent areas. Leaves ample room for new weld bead.

- Excellent tool life, including the radius edge of the disc.
- Multi-purpose – may be used as a conventional flap disc, and also for underhand applications using the top of the disc.

Recommendation for use:

The best results are achieved on high-performance angle grinders

Medium for fillet weld widths > 3/16" (5 mm)
Large for fillet weld widths > 5/16" (8 mm)



The POLIFAN® SGP ZIRKON-CURVE is a high-power tool for demanding grinding work with particularly high machining capacity.

Abrasive: Zirconia alumina Z
 Grit size: 40

Workpiece materials:
 Steel, stainless steel (INOX)

Application:
 Fillet weld grinding, chamfering, deburring



	Diameter (inches)	Disc Thickness (inches)	Fillet Weld Width (inches)	Grit size	Unthreaded Arbor Hole		Threaded Arbor Hole		Box	Max. RPM
					Bore (inches)	EDP No.	Thread	EDP No.		
N!	4-1/2	9/16	Medium > 3/16	40	7/8	67192	5/8-11	67212	10	13,300
N!	4-1/2	5/8	Large > 5/16	40	7/8	67339	5/8-11	67359	10	13,300
	5	9/16	Medium > 3/16	40	7/8	67196	5/8-11	67216	10	12,200
	5	5/8	Large > 5/16	40	7/8	67343	5/8-11	67363	10	12,200



The POLIFAN® SGP-CO CURVE is designed for demanding grinding, especially for achieving fine surface finishes. The ceramic grit guarantees cool grinding on poor heat-conducting materials, without thermal damage to workpiece.

Abrasive: Ceramic oxide CO
 Grit size: 60

Workpiece materials:
 Stainless steel (INOX), steel, aluminum

Application:
 Fillet weld grinding, chamfering, deburring



	Diameter (inches)	Disc Thickness (inches)	Fillet Weld Width (inches)	Grit size	Unthreaded Arbor Hole		Threaded Arbor Hole		Box	Max. RPM
					Bore (inches)	EDP No.	Thread	EDP No.		
N!	4-1/2	9/16	Medium > 3/16	60	7/8	67234	5/8-11	67258	10	13,300
N!	4-1/2	5/8	Large > 5/16	60	7/8	67381	5/8-11	67405	10	13,300
N!	5	9/16	Medium > 3/16	60	7/8	67197	5/8-11	67217	10	12,200
N!	5	5/8	Large > 5/16	60	7/8	67344	5/8-11	67364	10	12,200

N! = New in the PFERD product line

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