

# Flap disc POLIFAN CURVE

The unique disc for work on fillet welds



**TRUST BLUE**

- Precise and optimum grinding out of fillet welds
- Outstanding tool life and form stability
- High stock removal rates through unparalleled fast, aggressive grinding



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## General information

### POLIFAN CURVE

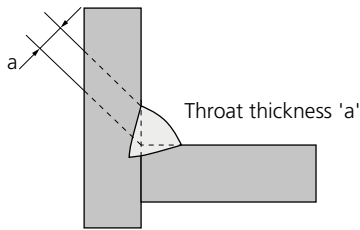
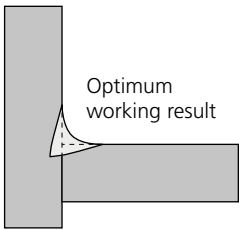
The patented flap disc POLIFAN CURVE has been specially developed for work on fillet welds. It is the only flap disc in the world that has flaps on both the grinding side and on the rear side, as well as on the radius.

#### Advantages:

- High stock removal rate ensures fast work progress and therefore significant wage cost savings.
- Outstanding tool life when working on fillet welds.
- Precise and optimum grinding of the fillet weld geometry.

#### Recommendations for use:

- Type M:  
For fillet weld radii  $> 5$  mm or throat thickness  $\leq 6$  mm with  $90^\circ$  joint, width at the radius: 11 mm or 14 mm with diameter 150 mm.
- Type L:  
For fillet weld radii  $> 8$  mm or throat thickness  $> 6$  mm with  $90^\circ$  joint, width at the radius: 14 mm or 16 mm with diameter 150/180 mm.



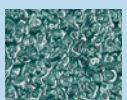


### The fast way to the best tool

Application	Product line	Steel (STEEL)	Stainless steel (INOX)	Aluminium (ALU)
■ Work on fillet welds	Special Line SGP ★★★★★	 Z SGP CURVE STEELOX Page 3	 CO SGP CURVE STEELOX Page 4	 A SGP CURVE ALU Page 4

### Abrasives

Choosing the right abrasive grain has a significant influence on surface quality and profitability.

<b>Aluminium oxide A</b>		Numerous types of aluminium oxide are used as abrasives. These may be present in molten or sintered form. The hardness and toughness can be influenced by special manufacturing procedures or additives. Standard types of aluminium oxide and a „sharp-edged“ grain shape are predominantly used for coated abrasives.
<b>Ceramic oxide grain CO</b>		For sintered aluminium oxides, a differentiation is made between sintered bauxite aluminium oxides and sol-gel aluminium oxides. Sol-gel aluminium oxides are predominantly used for coated abrasives in the form of abrasive ceramic grain. This state-of-the-art abrasive is used for numerous applications thanks to its high toughness and good self-sharpening qualities.
<b>Zirconia alumina Z</b>		Zirconia alumina is a fused mixture of aluminium oxide and zirconium oxide. In comparison to aluminium oxides, zirconia alumina exhibits lower hardness but greater toughness. The high proportion of zirconium oxide results in an extremely powerful self-sharpening effect and contributes to outstanding stock removal rates with cool grinding and a long tool life.



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## Special Line SGP ★★★★★

### Z SGP CURVE STEELOX ★★★★★

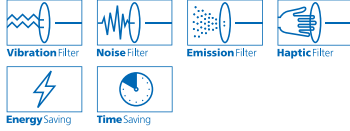
High-performance flap disc for maximum stock removal on steel and stainless steel (INOX).


**Materials that can be worked:**  
steel, stainless steel (INOX)

**Applications:**  
work on fillet welds, surface grinding, weld dressing, chamfering, deburring

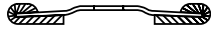
**Abrasive:**  
Zirconia alumina Z

**PFERDVALUE:**



D [mm]	Fillet weld radius [mm]	Grit size	Width	H [mm]	Max. RPM		Description
		40					
		EAN 4007220					

**Radial type PFR**



115	> 5	821671	M (11 mm)	22.23	13,300	10	PFR 115-M Z 40 SGP CURVE STEELOX
	> 8	821695	L (14 mm)	22.23	13,300	10	PFR 115-L Z 40 SGP CURVE STEELOX
125	> 5	790151	M (11 mm)	22.23	12,200	10	PFR 125-M Z 40 SGP CURVE STEELOX
	> 8	790175	L (14 mm)	22.23	12,200	10	PFR 125-L Z 40 SGP CURVE STEELOX
150	> 5	844939	M (14 mm)	22.23	10,200	10	PFR 150-M Z 40 SGP CURVE STEELOX
	> 8	844946	L (16 mm)	22.23	10,200	10	PFR 150-L Z 40 SGP CURVE STEELOX
180	> 8	881248	L (16 mm)	22.23	8,500	10	PFR 180-L Z 40 SGP CURVE STEELOX

**Radial type PFR, X-LOCK**



With X-LOCK quick-change system for comfortable and quick tool changes.

125	> 5	113790	M (11 mm)	X-LOCK (22.23)	12,200	10	PFR 125-M Z 40 SGP CURVE STEELOX/X-LOCK
	> 8	113806	L (14 mm)	X-LOCK (22.23)	12,200	10	PFR 125-L Z 40 SGP CURVE STEELOX/X-LOCK





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## Special Line SGP ★★★★★

### CO SGP CURVE STEELOX ★★★★★

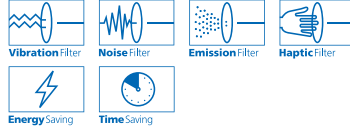
High-performance flap disc for achieving fine finishes on steel and stainless steel (INOX).


**Materials that can be worked:**  
stainless steel (INOX), steel

**Applications:**  
work on fillet welds, surface grinding, weld dressing, chamfering, deburring

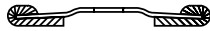
**Abrasive:**  
Ceramic oxide grain CO with active grinding, cooling coating

**PFERDVALUE:**



D [mm]	Fillet weld radius [mm]	Grit size	Width	H [mm]	Max. RPM		Description
		60					
		EAN 4007220					

**Radial type PFR**



115	> 5	827444	M (11 mm)	22.23	13,300	10	PFR 115-M CO 60 SGP CURVE STEELOX
	> 8	827451	L (14 mm)	22.23	13,300	10	PFR 115-L CO 60 SGP CURVE STEELOX
125	> 5	790168	M (11 mm)	22.23	12,200	10	PFR 125-M CO 60 SGP CURVE STEELOX
	> 8	790182	L (14 mm)	22.23	12,200	10	PFR 125-L CO 60 SGP CURVE STEELOX

### A SGP CURVE ALU ★★★★★

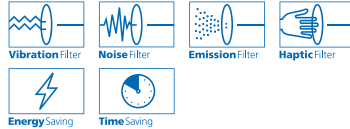
Special flap disc for work on fillet welds on aluminium.


**Materials that can be worked:**  
aluminium, other non-ferrous metals

**Applications:**  
work on fillet welds, surface grinding, weld dressing, chamfering, deburring

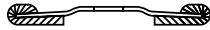
**Abrasive:**  
Aluminium oxide A with active grinding, cooling coating

**PFERDVALUE:**



D [mm]	Fillet weld radius [mm]	Grit size	Width	H [mm]	Max. RPM		Description
		40					
		EAN 4007220					

**Radial type PFR**



115	> 8	851968	L (14 mm)	22.23	13,300	10	PFR 115-L A 40 SGP CURVE ALU
	> 8	851975	L (14 mm)	22.23	12,200	10	PFR 125-L A 40 SGP CURVE ALU

