

### Aluminium oxide A type

For universal grinding work on metals and other materials.

#### Materials that can be worked:

aluminium, copper, brass, grey/nodular cast iron (GG/GJL, GGG/GJS), annealed cast iron, steel, cast steel, hardened, heat-treated steels over 1,200 N/mm<sup>2</sup> (> 38 HRC)

#### Abrasive:

Aluminium oxide A

#### Ordering notes:

■ Please complete the description with the desired grit size.

D [mm]	T [mm]	Grit size			Opt. RPM	Max. RPM	Suitable arbors		Description
		50	80	150					
		EAN 4007220							

#### Cylindrical shape (PR)

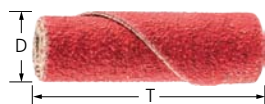
6	25	-	152300	152317	20,000	25,000	BO 3-18-3, BO 6-18-3	50	PR 0625 A ...
	35	-	152324	152331	20,000	25,000	BO 6-24-3	50	PR 0635 A ...
9	25	-	152348	152355	15,000	23,000	BO 6-18-3	50	PR 0925 A ...
	35	-	152362	152379	15,000	23,000	BO 6-24-3	50	PR 0935 A ...
12	25	152386	152393	152409	12,000	17,000	BO 6-18-3	50	PR 1225 A ...
	35	152416	152423	152430	12,000	17,000	BO 6-24-3	50	PR 1235 A ...
18	35	152447	152454	152461	8,000	12,000	BO 6-25-5	50	PR 1835 A ...
	50	152478	152485	152492	8,000	12,000	BO 6-30-5	50	PR 1850 A ...

#### Conical shape (PRK)

10	25	-	152508	152515	15,000	23,000	BO 3-18-3, BO 6-18-3	50	PRK 1025 A ...
12	25	152522	152539	152546	12,000	17,000	BO 6-18-3	50	PRK 1225 A ...
	35	152553	152560	152577	12,000	17,000	BO 6-24-3	50	PRK 1235 A ...
15	35	152584	152591	152607	10,000	15,000	BO 6-24-3	50	PRK 1535 A ...

#### POLICO abrasive cones (PCO)

10	50	-	152614	152621	15,000	23,000	BO 6-50-8	50	PCO 1050 A ...
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### Ceramic oxide grain CO-COOL type

For aggressive grinding with maximum stock removal rate on hard materials which do not conduct heat well.

Consistently high performance due to self-sharpening ceramic oxide grain. Active grinding additives in the coating substantially improve the stock removal rate, prevent clogging and result in cooler grinding.

#### Materials that can be worked:

aluminium, cobalt-based alloys, nickel-based alloys (e.g. Inconel and Hastelloy), titanium, stainless steel (INOX)

#### Abrasive:

Ceramic oxide grain CO-COOL

#### Ordering notes:

■ Please complete the description with the desired grit size.

D [mm]	T [mm]	Grit size			Opt. RPM	Max. RPM	Suitable arbors		Description
		60	80	120					
		EAN 4007220							
6	25	803264	803271	803288	20,000	25,000	BO 3-18-3, BO 6-18-3	50	PR 0625 CO-COOL ...
	35	803295	803301	803318	20,000	25,000	BO 6-24-3	50	PR 0635 CO-COOL ...
9	25	803325	803332	803349	15,000	23,000	BO 6-18-3	50	PR 0925 CO-COOL ...
	35	803356	803363	803370	15,000	23,000	BO 6-24-3	50	PR 0935 CO-COOL ...
12	25	803387	803394	803400	12,000	17,000	BO 6-18-3	50	PR 1225 CO-COOL ...
	35	803424	803431	803448	12,000	17,000	BO 6-24-3	50	PR 1235 CO-COOL ...

## Arbors BO

Arbors for POLIROLL and POLICO tools.


### Advantages:

- Tool can be changed without unclamping the arbor from the tool drive collet.

### Ordering notes:

- Arbor BO 6-50-8 – matching PCO 1050. The cone of the clamping piece is 5°.



Suitable for	S [mm]	L [mm]	EAN 4007220		Description
PR 0625, PRK 1025	3	27	152171	1	BO 3-18-3
PR 0625, PR 0925, PR 1225, PRK 1025, PRK 1225	6	30	152188	1	BO 6-18-3
PR 0635, PR 0935, PR 1235, PRK 1235, PRK 1535	6	30	152195	1	BO 6-24-3
PR 1835	6	30	152201	1	BO 6-25-5
PR 1850	6	30	152218	1	BO 6-30-5
PCO 1050	6	30	152232	1	BO 6-50-8

## POLIROLL set

Set of different POLIROLL cartridge rolls with matching arbors.

### Contents:


150 POLIROLL cartridge rolls with matching arbor:

- 20 pcs. each of PR 0625, A 80 and A 150
- 20 pcs. each of PR 0925, A 80 and A 150
- 20 pcs. each of PR 1225, A 80 and A 150
- 10 pcs. each of PRK 1025, A 80 and A 150
- 10 pcs. each of PRK 1225, A 80

### Advantages:

- Coordinated selection of the most common versions.



L x B x H [mm]	EAN 4007220		Description
180 x 145 x 40	335727	1	PRS 151



# Non-woven tools

## General information – POLINOX grinding drums

POLINOX grinding drums are especially suited to work on flat surfaces.

### Advantages:

- Long tool life due to tightly packed flaps.
- Cool grinding and low thermal load of the workpiece.
- No tool clogging due to open structure and high flexibility of the non-woven material.

### Materials that can be worked:

- Can be used on nearly all materials.

### Applications:

- Roughening
- Deburring
- Surface work
- Cleaning
- Structuring (matt finishing, brush matting and satin finishing)
- Step-by-step fine grinding

### Matching tool drives:

- Drum grinders

### Ordering notes:

- The 19 mm centre hole diameter with 4 keyways fits all conventional drum grinders.
- Additional drum tools can be found on pages 90, 134 as well as in catalogue section 8.
- When ordering, please state the EAN or the full description.
- **Ordering example:**  
EAN 4007220593523  
PNL-W 100100 A 100
- **Ordering example explanation:**  
PNL-W = POLINOX grinding drums  
100100 = Outer diameter D x width T [mm]  
A = Abrasive  
100 = Grit size

### Safety notes:

- For safety reasons, the specified maximum permitted rotational speed must never be exceeded.

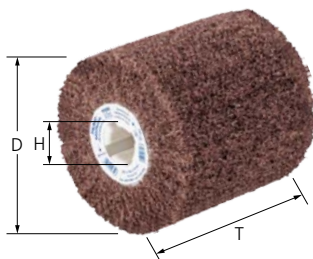


### PFERDVALUE:

PFERDERGONOMICS recommends POLINOX grinding drums to sustainably reduce vibration and noise levels during use and to improve working comfort.



## POLINOX grinding drums



### PNL-W type

Made of radially arranged flaps of non-woven abrasive material. A long tool life is achieved through the dense packing of the flaps.

#### Abrasive:


Aluminium oxide A

#### Ordering notes:

- Please complete the description with the desired grit size.

### PFERDVALUE:



D [mm]	T [mm]	H [mm]	Grit size				Opt. RPM	Max. RPM		Description
			80	100	180	280				
			EAN 4007220							
100	100	19	855904	593523	593530	593547	2,500	4,800	1	PNL-W 100100 A ...

