

POLINOX shank mounted grinding Wheels Pferd Germany

Pferd Polinox® shank mounted grinding wheels

POLINOX mounted and unmounted grinding wheels and cross buffs consist of non-woven polyamide abrasive, into which abrasive grain is integrated. The wide range of hardness grades and different tool designs allow a variety of surface structures and roughness levels to be achieved.

Advantages are Optimum adaptation to contours thanks to high flexibility. Cool grinding and low thermal load of the workpiece. No tool clogging due to open structure and high flexibility of the non-woven material.

For best performance, use with a recommended cutting speed of 10–20 m/s.

This provides an ideal compromise between stock removal rate, surface quality, thermal load on the workpiece and tool wear. Safety notes: The maximum permitted peripheral speed is 32 m/s.

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

To use on a flexible shaft drive or a straight grinder (die grinder).



Pferd Polinox® shank mounted grinding wheels PNL A

Abrasive material Aluminium oxide A

Made of radially arranged flaps of non-woven abrasive material. A long tool life is achieved through the dense packing of the flaps. The tool is particularly used for surface work.

To use on construction steels, carbon steels, tool steels, non-alloyed steels, cast steel, brass, copper and zinc, grey cast iron, white cast iron.

Shank Dia. 6 x L 40 mm

The recommended rpm is to achieve the best grinding result on the workpiece.

Packed per 10 pcs.

Article No.	Size in mm Ø x H	Type	Recom- mended rpm	Max. rpm
92PNL40206100	40x20	PNL 4020/6 A100	7.500	15.000
92PNL40206180	40x20	PNL 4020/6 A180	7.500	15.000
92PNL40206280	40x20	PNL 4020/6 A280	7.500	15.000
92PNL50306100	50x30	PNL 5030/6 A100	6.000	12.000
92PNL50306180	50x30	PNL 5030/6 A180	6.000	12.000
92PNL50306280	50x30	PNL 5030/6 A280	6.000	12.000
92PNL60256100	60x25	PNL 6025/6 A100	5.000	10.000
92PNL60256180	60x25	PNL 6025/6 A180	5.000	10.000
92PNL60256280	60x25	PNL 6025/6 A280	5.000	10.000

Article No.	Size in mm Ø x H	Type	Recom- mended rpm	Max. rpm
92PNL60506100	60x50	PNL 6050/6 A100	5.000	10.000
92PNL60506180	60x50	PNL 6050/6 A180	5.000	10.000
92PNL60506280	60x50	PNL 6050/6 A280	5.000	10.000
92PNL80256100	80x25	PNL 8025/6 A100	4.000	7.500
92PNL80256180	80x25	PNL 8025/6 A180	4.000	7.500
92PNL80256280	80x25	PNL 8025/6 A280	4.000	7.500
92PNL80506100	80x50	PNL 8050/6 A100	4.000	7.500
92PNL80506180	80x50	PNL 8050/6 A180	4.000	7.500
92PNL80506280	80x50	PNL 8050/6 A280	4.000	7.500

Pferd Polinox® shank mounted grinding wheels PNL SiC

Abrasive material Silicon carbide SiC

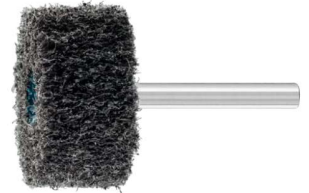
Made of radially arranged flaps of non-woven abrasive material. A long tool life is achieved through the dense packing of the flaps.

The tool is particularly used for surface work.

To use on soft aluminium alloys, hard aluminium alloys, bronze, titanium, fibre-reinforced plastics, thermoplastics, wood, chipboard paintwork. **Shank Dia. 6 x L 40 mm**

The recommended rpm is to achieve the best grinding result on the workpiece.

Packed per 10 pcs.



Article No.	Size in mm Ø x H	Type	Recom- mended rpm	Max. rpm
92PNLS40206100	40x20	PNL 4020/6 SiC100	7.500	15.000
92PNLS40206180	40x20	PNL 4020/6 SiC180	7.500	15.000
92PNLS40206280	40x20	PNL 4020/6 SiC280	7.500	15.000
92PNLS50306100	50x30	PNL 5030/6 SiC100	6.000	12.000
92PNLS50306180	50x30	PNL 5030/6 SiC180	6.000	12.000
92PNLS50306280	50x30	PNL 5030/6 SiC280	6.000	12.000

Article No.	Size in mm Ø x H	Type	Recom- mended rpm	Max. rpm
92PNLS60506100	60x50	PNL 6050/6 SiC100	5.000	10.000
92PNLS60506180	60x50	PNL 6050/6 SiC180	5.000	10.000
92PNLS60506280	60x50	PNL 6050/6 SiC280	5.000	10.000
92PNLS80506100	80x50	PNL 8050/6 SiC100	4.000	7.500
92PNLS80506180	80x50	PNL 8050/6 SiC180	4.000	7.500
92PNLS80506280	80x50	PNL 8050/6 SiC280	4.000	7.500

Pferd Polinox® shank mounted grinding wheels PNZ A

Abrasive material Aluminium oxide A

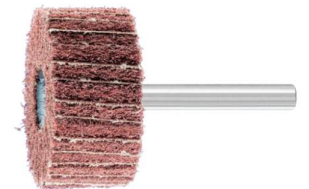
The non-woven abrasive material is arranged in multiple radial flaps, with abrasive cloth interlayers.

This flap structure facilitates improved stock removal and achieves a coarser surface finish.

To use on construction steels, carbon steels, tool steels, non-alloyed steels, cast steel, brass, copper and zinc, grey cast iron, white cast iron. **Shank Dia. 6 x L 40 mm**

The recommended rpm is to achieve the best grinding result on the workpiece.

Packed per 10 pcs.



Article No.	Size in mm Ø x H	Type	Recom- mended rpm	Max. rpm
92PNZ40206100	40x20	PNZ 4020/6 A100	7.500	15.000
92PNZ40206180	40x20	PNZ 4020/6 A180	7.500	15.000
92PNZ50306100	50x30	PNZ 5030/6 A100	6.000	12.000
92PNZ50306180	50x30	PNZ 5030/6 A180	6.000	12.000
92PNL60256100	60x25	PNZ 6025/6 A100	5.000	10.000
92PNZ60256180	60x25	PNZ 6025/6 A180	5.000	10.000
92PNZ60506100	60x50	PNZ 6050/6 A100	7.500	4.000
92PNZ60506180	60x50	PNZ 6050/6 A180	7.500	4.000

Article No.	Size in mm Ø x H	Type	Recom- mended rpm	Max. rpm
92PNZ80256100	80x25	PNZ 8025/6 A100	4.000	7.500
92PNZ80256180	80x25	PNZ 8025/6 A180	4.000	7.500
92PNZ80506100	80x50	PNZ 8050/6 A100	4.000	7.500
92PNZ80506180	80x50	PNZ 8050/6 A180	4.000	7.500
92PNZ100506100	100x50	PNZ 10050/6 A100	3.000	6.000
92PNZ100506180	100x50	PNZ 10050/6 A180	3.000	6.000

POLINOX shank mounted grinding Wheels Pferd Germany

Pferd Polinox® shank mounted grinding wheels PNG A

Abrasive material Aluminium oxide A

Made of several very wavyly arranged strips of non-woven abrasive material, wound around a core.

The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces.

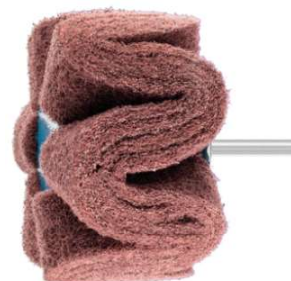
To use on construction steels, carbon steels, tool steels, non-alloyed steels, cast steel, brass, copper and zinc, grey cast iron, white cast iron. **Shank Dia. 6 x L 40 mm**

The recommended rpm is to achieve the best grinding result on the workpiece.

Packed per 10 pcs



Article No.	Size in mm Ø x H	Type	Recommended rpm	Max. rpm
92PNG80506100	80x50	PNG 8050/6 A100	4.000	7.500
92PNG80506180	80x50	PNG 8050/6 A180	4.000	7.500
92PNG80506280	80x50	PNG 8050/6 A280	4.000	7.500
92PNG100506100	100x50	PNG 10050/6 A100	3.000	6.000
92PNG100506180	100x50	PNG 10050/6 A180	3.000	6.000
92PNG100506280	100x50	PNG 10050/6 A280	3.000	6.000



Pferd Polinox® shank mounted grinding wheels PNG SiC

Abrasive material Silicon carbide SiC

Made of several very wavyly arranged strips of non-woven abrasive material, wound around a core.

The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces.

To use on soft aluminium alloys, hard aluminium alloys, bronze, titanium, fibre-reinforced plastics, thermoplastics, wood, chipboard paintwork.

Shank Dia. 6 x L 40 mm

The recommended rpm is to achieve the best grinding result on the workpiece.

Packed per 10 pcs

Article No.	Size in mm Ø x H	Type	Recommended rpm	Max. rpm
92PNGSI80506100	80x50	PNG 8050/6 SiC100	4.000	7.500
92PNGSI80506180	80x50	PNG 8050/6 SiC180	4.000	7.500
92PNGSI80506280	80x50	PNG 8050/6 SiC280	4.000	7.500
92PNGSI100506100	100x50	PNG 10050/6 SiC100	3.000	6.000
92PNGSI100506180	100x50	PNG 10050/6 SiC180	3.000	6.000
92PNGSI100506280	100x50	PNG 10050/6 SiC280	3.000	6.000



Pferd Polinox® shank mounted grinding wheels PNR A

Abrasive material Aluminium oxide A

The non-woven abrasive material is arranged in multiple (axial) disc layers.

Since the individual non-woven discs are not interconnected, the abrasive surface adapts easily to different workpiece contours, e.g. when working on profiles or pipes.

To use on construction steels, carbon steels, tool steels, non-alloyed steels, cast steel, brass, copper and zinc, grey cast iron, white cast iron. **Shank Dia. 6 x L 40 mm**

The recommended rpm is to achieve the best grinding result on the workpiece.

Packed per 10 pcs

Article No.	Size in mm Ø x H	Type	Recommended rpm	Max. rpm
92PNR60506100	60x50	PNR 6050/6 A100	5.000	10.000
92PNR60506180	60x50	PNR 6050/6 A180	5.000	10.000
92PNR60506280	60x50	PNR 6050/6 A280	5.000	10.000
92PNR80506100	80x50	PNR 8050/6 A100	4.000	7.500
92PNR80506180	80x50	PNR 8050/6 A180	4.000	7.500
92PNR80506280	80x50	PNR 8050/6 A280	4.000	7.500



Pferd Polinox® Cross buffs PNST A + matching Arbors

Abrasive material Aluminium oxide A

Suitable for cleaning, deburring and fine grinding of inner surfaces and contours.

Particularly suitable for hard-to-reach places such as drilled holes and indentations

To use on construction steels, carbon steels, tool steels, non-alloyed steels, cast steel, brass, copper and zinc, grey cast iron, white cast iron. For internal fine grinding in stainless steel pipes or thread cleaning. The recommended rpm is to achieve the best grinding result on the workpiece.

Shank Dia. 6 mm Needed shank must be ordered separate

Packed per 20 pcs

2 in the type = 2-layer and 3 in the type = 3-layer

Article No.	Size in mm Ø	Type	Recommended rpm	Max. rpm
92PNST192100	19	PNST 19-2 A 100	15.000	25.100
92PNST192280	19	PNST 19-2 A 280	15.000	25.100
92PNST252080	25	PNST 25-2 A 80	10.000	19.100
92PNST252100	25	PNST 25-2 A 100	10.000	19.100
92PNST252280	25	PNST 25-2 A 280	10.000	19.100
92PNST383080	38	PNST 38-3 A 80	7.500	12.600
92PNST383100	38	PNST 38-3 A 100	7.500	12.600

Article No.	Size in mm Ø	Type	Recommended rpm	Max. rpm
92PNST383280	38	PNST 38-3 A 280	7.500	12.600
92PNST502080	50	PNST 50-2 A 80	5.500	9.500
92PNST502100	50	PNST 50-2 A 100	5.500	9.500
92PNST502280	50	PNST 50-2 A 280	5.500	9.500
92BOPNST06075	6x75	Shank 6x75mm	-	-
92BOPNST06125	6x125	Shank 6x125mm	-	-

