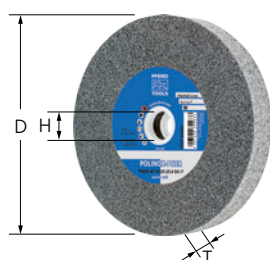


Non-woven tools

POLINOX unitized wheels PNER



PNER type for straight grinders, flexible shaft drives and bench grinders

Consist of multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. Particularly suitable for working on soft metals, alloyed and high-alloy steels and titanium alloy.



Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality and can be profiled as desired, enabling optimal adjustment to the contour. Ideal for cleaning, deburring, blending and polishing.

D [mm]	T [mm]	H [mm]	Grit size	Version	Abrasive	Opt. RPM	Max. RPM	Suitable arbors		Item no.	Designation
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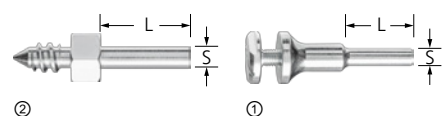
Type for straight grinders, flexible shafts and bench grinders

25	25	6	fine	MH	A	19,000	30,500	BO PNER 25 S6	10	44691202	PNER-MH 2525-6 A F	
50	3	6	fine	H	A	9,500	15,300	BO 6/6 3-10	10	44691005	PNER-H 5003-6 A F	
			coarse	MH	A	9,500	15,300	BO 6/6 3-10	10	47700208	PNER-MH 5003-6 A G	
75	3	6	coarse	W	A	6,400	10,200	BO 6/6 3-10	10	47803085	PNER-W 7503-6 A G	
			fine	W	SiC	6,400	10,200	BO 6/6 3-10	10	47803086	PNER-W 7503-6 SiC	
				MW	SiC	6,400	10,200	BO 6/6 3-10	10	47803087	PNER-MW 7503-6 SiC F	
				MH	A	6,400	10,200	BO 6/6 3-10	10	47803088	PNER-MH 7503-6 A F	
			coarse	MH	A	6,400	10,200	BO 6/6 3-10	10	47700209	PNER-MH 7503-6 A G	
				H	A	6,400	10,200	BO 6/6 3-10	10	47803089	PNER-H 7503-6 A G	
				H	A	6,400	10,200	BO 6/6 3-10	10	44691010	PNER-H 7503-6 A F	
			6	6	coarse	W	A	6,400	10,200	BO 6/6 3-10	5	44691621
		fine			W	SiC	6,400	10,200	BO 6/6 3-10	5	44691627	PNER-W 7506-6 SiC F
					MW	A	6,400	10,200	BO 6/6 3-10	5	44691422	PNER-MW 7506-6 A F
						SiC	6,400	10,200	BO 6/6 3-10	5	44691427	PNER-MW 7506-6 SiC F
					MH	A	6,400	10,200	BO 6/6 3-10	5	44691222	PNER-MH 7506-6 A F
		13	6	coarse	H	A	6,400	10,200	BO 6/6 3-10	5	44691021	PNER-H 7506-6 A G
	coarse			W	A	6,400	10,200	BO 6/6 3-10	5	44691641	PNER-W 7513-6 A G	
				fine	W	SiC	6,400	10,200	BO 6/6 3-10	5	44691647	PNER-W 7513-6 SiC F
					MW	A	6,400	10,200	BO 6/6 3-10	5	44691442	PNER-MW 7513-6 A F
						SiC	6,400	10,200	BO 6/6 3-10	5	44691447	PNER-MW 7513-6 SiC F
					MH	A	6,400	10,200	BO 6/6 3-10	5	44691242	PNER-MH 7513-6 A F
	coarse			H	A	6,400	10,200	BO 6/6 3-10	5	44691041	PNER-H 7513-6 A G	
	150			25	25.4	fine	W	SiC	3,200	5,100	BO 12/20	1
		MW	A				3,200	5,100	BO 12/20	1	44691462	PNER-MW 15025-25,4 A F
SiC			3,200				5,100	BO 12/20	1	44691467	PNER-MW 15025-25,4 SiC F	
MH		A	3,200				5,100	BO 12/20	1	44691262	PNER-MH 15025-25,4 A F	
coarse		H	A			3,200	5,100	BO 12/20	1	44691061	PNER-H 15025-25,4 A G	



Non-woven tools

Arbor for POLINOX unitized/convolute wheels



Arbor BO

Matching arbor for POLINOX unitized wheels.

Special features:

- High economic efficiency as tool can be changed quickly.

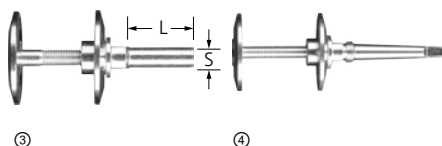
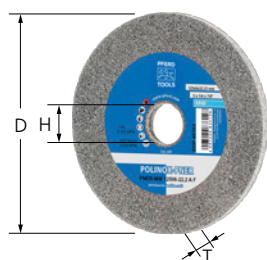


Image	Suitable for hole diameter [mm]	S [mm]	L [mm]	Clamping range [mm]		Item no.	Designation
②	6	6	25	-	1	42700256	BO PNER 25 S6
①	6	6	25	3 – 10	1	42400006	BO 6/6 3-10
③	20	12	35	10 – 50	1	42400012	BO 12/20 10-50
④	20	-	-	10 – 50	1	42400062	BO MK 1/20 10-50

4

POLINOX unitized wheels PNER



PNER type for speed-adjustable angle grinders and fillet weld grinders

Consist of multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. Particularly suitable for work on fillet welds and hard-to-reach slots or indentations.

Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality. Can be profiled as desired, enabling optimal adjustment to the contour.
- Ideal for cleaning, deburring, blending and polishing.

D [mm]	T [mm]	H [mm]	Grit size	Version	Abra-sive	Opt. RPM	Max. RPM		Item no.	Designation
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Type for angle grinders and fillet weld grinders

125	6	22.23	fine	MW (medium-soft)	A	4,500	6,100	5	44691453	PNER-MW 12506-22,2 A F	
					SiC	4,500	6,100	5	44691452	PNER-MW 12506-22,2 SiC F	
					MH (medium-hard)	A	4,500	6,100	5	44691252	PNER-MH 12506-22,2 A F
			coarse	MH (medium-hard)	A	4,500	6,100	5	47700211	PNER-MH 12506-22.2 A G	
				H (hard)	A	4,500	6,100	5	44691053	PNER-H 12506-22,2 A G	
			fine	H (hard)	A	4,500	6,100	5	44691052	PNER-H 12506-22,2 A F	
150	3	25.4	fine	MW (medium-soft)	SiC	3,800	5,100	5	44691628	PNER-MW 15003-25,4 SiC F	
					MH (medium-hard)	SiC	3,800	5,100	5	44691629	PNER-MH 15003-25,4 SiC F
			coarse	MH (medium-hard)	A	3,800	5,100	5	47700210	PNER-MH 15003-25.4 A G	
			fine	H (hard)	A	3,800	5,100	5	44691630	PNER-H 15003-25,4 A F	
	6	25.4	fine	W (soft)	SiC	3,800	5,100	5	44691631	PNER-W 15006-25,4 SiC F	
					MW (medium-soft)	SiC	3,800	5,100	5	44691632	PNER-MW 15006-25,4 SiC F
			coarse	MH (medium-hard)	A	3,800	5,100	5	47700212	PNER-MH 15006-25.4 A G	
			fine	H (hard)	A	3,800	5,100	5	44691633	PNER-H 15006-25,4 A F	
	13	12.7	fine	W (soft)	SiC	3,800	5,100	5	47802723	PNER-W 15013-12,7 SiC F	
					MW (medium-soft)	SiC	3,800	5,100	5	47700200	PNER-MW 15013-12,7 SiC F
					MH (medium-hard)	SiC	3,800	5,100	5	47700201	PNER-MH 15013-12,7 SiC F

Non-woven tools

POLINOX unitized discs PNER



PNER discs for speed-adjustable angle grinders

Consist of multiple heavily compressed, non-woven layers, which are glued to a backer and bonded together by a special grain/resin system. Particularly suitable for working on soft metals, alloyed and high-alloy steels and titanium alloys.



Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality. Can be profiled as desired, enabling optimal adjustment to the contour.
- Ideal for cleaning, deburring, blending and polishing.

D [mm]	T [mm]	H [mm]	Grit size	Version	Abrasive	Opt. RPM	Max. RPM		Item no.	Designation
115	13	22.23	fine	W (soft)	SiC	6,000	10,000	5	44690732	DISC PNER-W 115-22,2 SiC F
				MW (medium-soft)	SiC	6,000	10,000	5	44690722	DISC PNER-MW 115-22,2 SiC F
				MH (medium-hard)	SiC	6,000	10,000	5	44690712	DISC PNER-MH 115-22,2 SiC F
125	13	22.23	fine	W (soft)	SiC	5,400	10,000	5	44690733	DISC PNER-W 125-22,2 SiC F
				MW (medium-soft)	SiC	5,400	10,000	5	44690723	DISC PNER-MW 125-22,2 SiC F
				MH (medium-hard)	SiC	5,400	10,000	5	44690713	DISC PNER-MH 125-22,2 SiC F

POLINOX compact mounted points PNER



Aluminium oxide A version

Multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. The aluminium oxide A version is ideal for general-purpose applications on steel and non-ferrous metals.

Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality.
- Ideal for removing heat discolouration in hard-to-reach areas.

D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
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Tapered PNER

10	25	3	30	A	G (coarse)	28,600	38,100	10	47700293	PNER-H KE 1025/3 A G
					F (fine)	28,600	38,100	10	47700292	PNER-MH KE 1025/3 A F

Ball PNER

15	15	6	40	A	G (coarse)	25,400	44,500	10	47700279	PNER-H KU 15/6 A G
									47700278	PNER-MH KU 15/6 A F
									47700277	PNER-MW KU 15/6 A F
20	20	6	40	A	G (coarse)	23,800	33,400	10	47700283	PNER-H KU 20/6 A G
									47700282	PNER-MH KU 20/6 A F
									47700281	PNER-MW KU 20/6 A F
25	25	6	40	A	G (coarse)	19,000	30,500	10	47700287	PNER-H KU 25/6 A G
									47700286	PNER-MH KU 25/6 A F
									47700285	PNER-MW KU 25/6 A F

Tree PNER

10	20	3	30	A	G (coarse)	28,600	38,100	10	47700290	PNER-H SP 1020/3 A G
					F (fine)	28,600	38,100	10	47700289	PNER-MH SP 1020/3 A F

Continued on next page

Non-woven tools

POLINOX compact mounted points PNER



D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
Cylindrical with radius end PNER										
10	25	3	30	A	G (coarse)	28,600	38,100	10	47700296	PNER-H WR 1025/3 A G
					F (fine)	28,600	38,100	10	47700295	PNER-MH WR 1025/3 A F
Cylindrical PNER										
10	10	3	30	A	G (coarse)	28,600	38,100	10	47700252	PNER-H ZY 1010/3 A G
					F (fine)	28,600	38,100	10	47700251	PNER-MH ZY 1010/3 A F
	20	3	30	A	G (coarse)	28,600	38,100	10	47700255	PNER-H ZY 1020/3 A G
					F (fine)	28,600	38,100	10	47700254	PNER-MH ZY 1020/3 A F
15	10	3	30	A	G (coarse)	25,400	44,500	10	47700257	PNER-H ZY 1510/3 6 G
		6	30	A	F (fine)	25,400	44,500	10	47700256	PNER-MH ZY 1510/6 A F
	20	6	30	A	G (coarse)	25,400	44,500	10	47700259	PNER-H ZY 1520/6 A G
					F (fine)	25,400	44,500	10	47700258	PNER-MH ZY 1520/6 A F
20	10	6	40	A	G (coarse)	23,800	33,400	10	47700263	PNER-H ZY 2010/6 A G
					F (fine)	23,800	33,400	10	47700262	PNER-MH ZY 2010/6 A F
									47700261	PNER-MW ZY 2010/6 A F
	20	6	40	A	G (coarse)	23,800	33,400	10	47700267	PNER-H ZY 2020/6 A G
					F (fine)	23,800	33,400	10	47700266	PNER-MH ZY 2020/6 A F
									47700265	PNER-MW ZY 2020/6 A F
25	13	6	40	A	G (coarse)	19,000	30,500	10	47700271	PNER-H ZY 2513/6 A G
					F (fine)	19,000	30,500	10	47700270	PNER-MH ZY 2513/6 A F
									47700269	PNER-MW ZY 2513/6 A F
	25	6	40	A	G (coarse)	19,000	30,500	10	47700275	PNER-H ZY 2525/6 A G
					F (fine)	19,000	30,500	10	47700274	PNER-MH ZY 2525/6 A F
									47700273	PNER-MW ZY 2525/6 A F
50	13	6	40	A	G (coarse)	9,500	15,300	5	47700229	PNER-H ZY 5013/6 A G
					F (fine)	9,500	15,300	5	47700228	PNER-MH ZY 5013/6 A F
									47700226	PNER-MW ZY 5013/6 A F
					G (coarse)	9,500	15,300	5	47700224	PNER-W ZY 5013/6 A G
	25	6	40	A	G (coarse)	9,500	15,300	5	47700236	PNER-H ZY 5025/6 A G
					F (fine)	9,500	15,300	5	47700235	PNER-MH ZY 5025/6 A F
									47700233	PNER-MW ZY 5025/6 A F
					G (coarse)	9,500	15,300	5	47700231	PNER-W ZY 5025/6 A G
75	13	6	40	A	G (coarse)	6,400	10,200	5	47700243	PNER-H ZY 7513/6 A G
					F (fine)	6,400	10,200	5	47700242	PNER-MH ZY 7513/6 A F
		6	40	A	F (fine)	6,400	10,200	5	47700240	PNER-MW ZY 7513/6 A F
					G (coarse)	6,400	10,200	5	47700238	PNER-W ZY 7513/6 A G
	25	6	40	A	G (coarse)	6,400	10,200	5	47700249	PNER-H ZY 7525/6 A G
					F (fine)	6,400	10,200	5	47700248	PNER-MH ZY 7525/6 A F
									47700247	PNER-MW ZY 7525/6 A F
								47700245	PNER-W ZY 7525/6 A G	

Non-woven tools

POLINOX compact mounted points PNER



Silicon carbide SiC version

Multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. The SiC version is ideally suited to demanding tasks on hard or sensitive materials.

Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality.
- Ideal for removing heat discolouration in hard-to-reach areas.

D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
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Tapered PNER

10	25	3	30	SiC	F (fine)	28,600	38,100	10	47700291	PNER-MH KE 1025/3 SiC F
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Ball PNER

15	15	6	40	SiC	F (fine)	25,400	44,500	10	47700276	PNER-MW KU 15/6 SiC F
20	20	6	40	SiC	F (fine)	23,800	33,400	10	47700280	PNER-MW KU 20/6 SiC F
25	25	6	40	SiC	F (fine)	19,000	30,500	10	47700284	PNER-MW KU 25/6 SiC F

Tree PNER

10	20	3	30	SiC	F (fine)	28,600	38,100	10	47700288	PNER-MH SP 1020/3 SiC F
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Cylindrical with radius end PNER

10	25	3	30	SiC	F (fine)	28,600	38,100	10	47700294	PNER-MH WR 1025/3 SiC F
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Cylindrical PNER

10	10	3	30	SiC	F (fine)	28,600	38,100	10	47700250	PNER-MH ZY 1010/3 SiC F
	20	3	30	SiC	F (fine)	28,600	38,100	10	47700253	PNER-MH ZY 1020/3 SiC F
20	10	6	40	SiC	F (fine)	23,800	33,400	10	47700260	PNER-MW ZY 2010/6 SiC F
	20	6	40	SiC	F (fine)	23,800	33,400	10	47700264	PNER-MW ZY 2020/6 SiC F
25	13	6	40	SiC	F (fine)	19,000	30,500	10	47700268	PNER-MW ZY 2513/6 SiC F
	25	6	40	SiC	F (fine)	19,000	30,500	10	47700272	PNER-MW ZY 2525/6 SiC F
50	13	6	40	SiC	F (fine)	6,400	10,200	5	47700227	PNER-MH ZY 5013/6 SiC F
								5	47700225	PNER-MW ZY 5013/6 SiC F
								5	47700223	PNER-W ZY 5013/6 SiC F
	25	6	40	SiC	F (fine)	9,500	15,300	5	47700234	PNER-MH ZY 5025/6 SiC F
								5	47700232	PNER-MW ZY 5025/6 SiC F
								5	47700230	PNER-W ZY 5025/6 SiC F
75	13	6	40	SiC	F (fine)	6,400	10,200	5	47700241	PNER-MH ZY 7513/6 SiC F
								5	47700239	PNER-MW ZY 7513/6 SiC F
								5	47700237	PNER-W ZY 7513/6 SiC F
	25	6	40	SiC	F (fine)	6,400	10,200	5	47700246	PNER-MW ZY 7525/6 SiC F
								5	47700244	PNER-W ZY 7525/6 SiC F



Non-woven tools

General information on POLINOX convolute wheels PNK



Available types

- W Soft**
Soft version with very good abrasive performance on contours. Very good for blending surfaces.
- MW Medium-soft**
Medium-soft version with increased flexibility and tool life for coarse blending applications and for light deburring and polishing work. Well-suited to work on contours.
- MH Medium-hard**
Medium-hard version with increased edge strength and tool life for coarse deburring applications and deburring, blending and cleaning work.

- H Hard**
Hard version with very high stock removal rate, good edge strength and long tool life for medium to heavy-duty deburring and polishing applications.
- EH Extra-hard**
Extra-hard version with excellent edge strength for demanding deburring work.



Comparison table

PFERD TOOLS PNK				3M	Standard Abrasives	Norton	BIBIELLE
Type	Colour code	Abrasive	Grit				
Soft	W	A	coarse	CP-WL 5AM	MF CV 5AM	MF CF 5AM	BCW-MF 5AM
Medium-soft	MW	SiC	fine	LDW 7SF	LDW 7SF	Series 2000 7SF	BCW-DB 7SF
Medium-hard	MH	SiC	fine	EXL Deburring 8SF	Deburring 8SF	Series 1000 8SF	BCW-DB 8SF
	MH	A	coarse	EXL Deburring 8AM	GP Plus 8AM	Series 1000 8AM	BCW-DB 8AM
Hard	H	SiC	fine	Deburring 9SF	EXL Deburring 9SF	Series 1000 9SF	BCW-DB 9SF
Extra-hard	EH	SiC	fine	XP-WL 10SF	GP Plus 10SF	Series 4000 9SF	BCW-DB 9SF-R

Non-woven tools

POLINOX convolute wheels PNK



PNK type

Consist of non-woven abrasive which is wound around a core in a spiral shape. Particularly suitable for working on soft metals, alloyed and high-alloy steels and titanium alloys, e.g. on turbine blades and for the removal of processing traces on surgical instruments.



Special features:

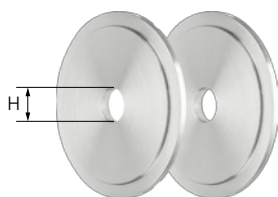
- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality. Can be profiled as desired, enabling optimal adjustment to the contour.
- Ideal for cleaning, deburring, blending and polishing.

D [mm]	T [mm]	H [mm]	Grit size	Version	Abrasive	Opt. RPM	Max. RPM		Item no.	Designation
150	13	25.4	fine	MW (medium-soft)	SiC	2,500	5,100	1	47802637	PNK-MW 15013-25,4 SiC F
				MH (medium-hard)	SiC	2,500	5,100	1	47802639	PNK-MH 15013-25,4 SiC F
			coarse	MH (medium-hard)	A	2,500	5,100	1	47802638	PNK-MH 15013-25,4 A G
				H (hard)	SiC	2,500	5,100	1	47802640	PNK-H 15013-25,4 SiC F
			fine	EH (extra-hard)	SiC	2,500	5,100	1	47803030	PNK-EH 15013-25,4 SiC F
				W (soft)	A	2,500	5,100	1	47802730	PNK-W 15025-25,4 A G
	25	25.4	coarse	MW (medium-soft)	SiC	2,500	5,100	1	47802641	PNK-MW 15025-25,4 SiC F
				MH (medium-hard)	SiC	2,500	5,100	1	47802643	PNK-MH 15025-25,4 SiC F
			fine	MH (medium-hard)	A	2,500	5,100	1	47802642	PNK-MH 15025-25,4 A G
				H (hard)	SiC	2,500	5,100	1	47802644	PNK-H 15025-25,4 SiC F
			coarse	EH (extra-hard)	SiC	2,500	5,100	1	47803031	PNK-EH 15025-25,4 SiC F
				W (soft)	A	2,500	5,100	1	47802731	PNK-W 15050-25,4 A G
	50	25.4	coarse	W (soft)	A	2,500	5,100	1	47802731	PNK-W 15050-25,4 A G
200	13	76.2	fine	MW (medium-soft)	SiC	1,900	3,850	1	47802645	PNK-MW 20013-76,2 SiC F
				MH (medium-hard)	SiC	1,900	3,850	1	47802647	PNK-MH 20013-76,2 SiC F
			coarse	MH (medium-hard)	A	1,900	3,850	1	47802646	PNK-MH 20013-76,2 A G
				H (hard)	SiC	1,900	3,850	1	47802648	PNK-H 20013-76,2 SiC F
			fine	EH (extra-hard)	SiC	1,900	3,850	1	47802882	PNK-EH 20013-76,2 SiC F
				W (soft)	A	1,900	3,850	1	47803029	PNK-W 20025-76,2 A G
	25	76.2	coarse	MW (medium-soft)	SiC	1,900	3,850	1	47802649	PNK-MW 20025-76,2 SiC F
				MH (medium-hard)	SiC	1,900	3,850	1	47802651	PNK-MH 20025-76,2 SiC F
			fine	MH (medium-hard)	A	1,900	3,850	1	47802650	PNK-MH 20025-76,2 A G
				H (hard)	SiC	1,900	3,850	1	47802652	PNK-H 20025-76,2 SiC F
			coarse	EH (extra-hard)	SiC	1,900	3,850	1	47802881	PNK-EH 20025-76,2 SiC F
				W (soft)	A	1,900	3,850	1	47802732	PNK-W 20050-76,2 A G
	50	76.2	coarse	MW (medium-soft)	SiC	1,900	3,850	1	47802653	PNK-MW 20050-76,2 SiC F
				MH (medium-hard)	SiC	1,900	3,850	1	47802655	PNK-MH 20050-76,2 SiC F
			fine	MH (medium-hard)	A	1,900	3,850	1	47802654	PNK-MH 20050-76,2 A G
				H (hard)	SiC	1,900	3,850	1	47802656	PNK-H 20050-76,2 SiC F
			coarse	EH (extra-hard)	SiC	1,900	3,850	1	47802880	PNK-EH 20050-76,2 SiC F
				W (soft)	A	1,900	3,850	1	47802732	PNK-W 20050-76,2 A G



Non-woven tools

Clamping flanges for POLINOX convolute wheels PNK



RF PNK

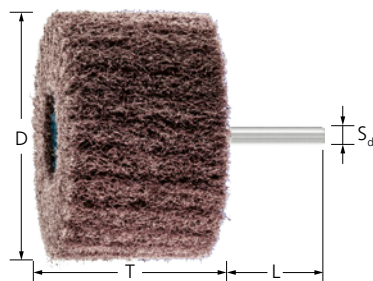
For mounting POLINOX convolute wheels PNK with a diameter of 200 mm on stationary machines such as double grinding machines (bench grinders).

Special features:

- High accuracy of fit.
- Hole can be expanded as desired.

Suitable for tool diameter [mm]	H [mm]		Item no.	Designation
76,2	16.1	1	47601200	RF PNK 200 Bo. 16,1
	25.4	1	47601201	RF PNK 200 Bo. 25,4
	31.8	1	47601202	RF PNK 200 Bo. 31,8

POLINOX mounted grinding wheels



PNL type

The non-woven abrasive material is arranged in multiple radial flaps. A long tool life is achieved through the dense packing of the flaps. It is particularly used for surface work. Available in aluminium oxide A and silicon carbide (SiC).



Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

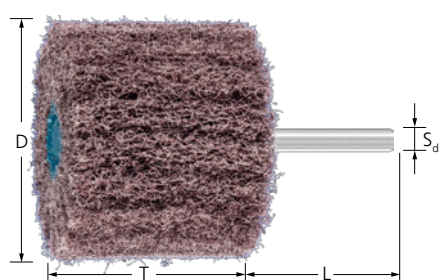
D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
Aluminium oxide A										
30	25	6	40	A	100	10,000	20,000	10	44653100	PNL 3025/6 A 100
					180	10,000	20,000	10	44653180	PNL 3025/6 A 180
					280	10,000	20,000	10	44653280	PNL 3025/6 A 280
40	20	6	40	A	80	7,500	15,000	10	44698505	PNL 4020/6 A 80
					100	7,500	15,000	10	44654100	PNL 4020/6 A 100
					180	7,500	15,000	10	44654180	PNL 4020/6 A 180
					280	7,500	15,000	10	44654280	PNL 4020/6 A 280
					360	7,500	15,000	10	44698506	PNL 4020/6 A 360
50	30	6	40	A	80	6,000	12,000	10	44698507	PNL 5030/6 A 80
					100	6,000	12,000	10	44655100	PNL 5030/6 A 100
					180	6,000	12,000	10	44655180	PNL 5030/6 A 180
					280	6,000	12,000	10	44655280	PNL 5030/6 A 280
					360	6,000	12,000	10	44698508	PNL 5030/6 A 360
60	25	6	40	A	100	5,000	10,000	10	44656010	PNL 6025/6 A 100
					180	5,000	10,000	10	44656018	PNL 6025/6 A 180
					280	5,000	10,000	10	44656028	PNL 6025/6 A 280
	50	6	40	A	80	5,000	10,000	10	47802761	PNL 6050/6 A 80
					100	5,000	10,000	10	44666100	PNL 6050/6 A 100
					180	5,000	10,000	10	44666180	PNL 6050/6 A 180
					280	5,000	10,000	10	44666280	PNL 6050/6 A 280
					360	5,000	10,000	10	44698509	PNL 6050/6 A 360

Continued on next page

D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
80	25	6	40	A	100	4,000	7,500	10	44658010	PNL 8025/6 A 100
					180	4,000	7,500	10	44658018	PNL 8025/6 A 180
					280	4,000	7,500	10	44658028	PNL 8025/6 A 280
	50	6	40	A	80	4,000	7,500	10	44698510	PNL 8050/6 A 80
					100	4,000	7,500	10	44658100	PNL 8050/6 A 100
					180	4,000	7,500	10	44658180	PNL 8050/6 A 180
					280	4,000	7,500	10	44658280	PNL 8050/6 A 280
					360	4,000	7,500	10	44698511	PNL 8050/6 A 360

Silicon carbide (SiC)

40	20	6	40	SiC	100	7,500	15,000	10	44640410	PNL 4020/6 SiC 100
					180	7,500	15,000	10	44640418	PNL 4020/6 SiC 180
					280	7,500	15,000	10	44640428	PNL 4020/6 SiC 280
50	30	6	40	SiC	100	6,000	12,000	10	44640510	PNL 5030/6 SiC 100
					180	6,000	12,000	10	44640518	PNL 5030/6 SiC 180
					280	6,000	12,000	10	44640528	PNL 5030/6 SiC 280
60	50	6	40	SiC	100	5,000	10,000	10	44640610	PNL 6050/6 SiC 100
					180	5,000	10,000	10	44640618	PNL 6050/6 SiC 180
					280	5,000	10,000	10	44640628	PNL 6050/6 SiC 280
80	50	6	40	SiC	100	4,000	7,500	10	44640810	PNL 8050/6 SiC 100
					180	4,000	7,500	10	44640818	PNL 8050/6 SiC 180
					280	4,000	7,500	10	44640828	PNL 8050/6 SiC 280



PNL-HP version

The non-woven abrasive material is arranged in multiple radial flaps. An extremely long tool life is achieved through the dense packing of the flaps. It is particularly used for surface work.

Special features:

- Cool grinding and low thermal load on the workpiece.
- Particularly aggressive grinding.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
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Aluminium oxide A

40	20	6	40	A	100	7,500	15,000	10	44657100	PNL-HP 4020/6A100
					180	7,500	15,000	10	44657180	PNL-HP 4020/6A180
50	30	6	40	A	100	6,000	12,000	10	44659100	PNL-HP 5030/6A100
					180	6,000	12,000	10	44659180	PNL-HP 5030/6A180
60	50	6	40	A	100	5,000	10,000	10	44661100	PNL-HP 6050/6A100
					180	5,000	10,000	10	44661180	PNL-HP 6050/6A180
80	50	6	40	A	100	4,000	7,500	10	44662100	PNL-HP 8050/6A100
					180	4,000	7,500	10	44662180	PNL-HP 8050/6A180

Silicon carbide (SiC)

40	20	6	40	SiC	100	7,500	15,000	10	44657110	PNL-HP 4020/6SiC100
					180	7,500	15,000	10	44657118	PNL-HP 4020/6SiC180
50	30	6	40	SiC	100	6,000	12,000	10	44659110	PNL-HP 5030/6SiC100
					180	6,000	12,000	10	44659118	PNL-HP 5030/6SiC180
60	50	6	40	SiC	100	5,000	10,000	10	44661110	PNL-HP 6050/6SiC100
					180	5,000	10,000	10	44661118	PNL-HP 6050/6SiC180

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Non-woven tools

POLINOX mounted grinding wheels

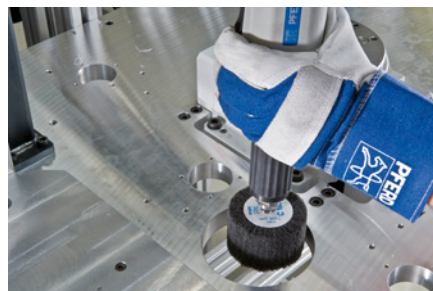


D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
80	50	6	40	SiC	100	4,000	7,500	10	44662110	PNL-HP 8050/6SiC100
					180	4,000	7,500	10	44662118	PNL-HP 8050/6SiC180



PNZ type

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. Available in aluminium oxide A and silicon carbide (SiC).



Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
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Aluminium oxide A

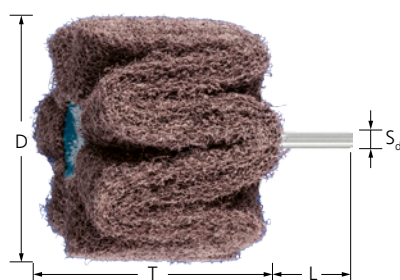
30	25	6	40	A	100	10,000	20,000	10	44653080	PNZ 3025/6 A 100
					180	10,000	20,000	10	44653088	PNZ 3025/6 A 180
40	20	6	40	A	80	7,500	15,000	10	44698512	PNZ 4020/6 A 80
					100	7,500	15,000	10	44654080	PNZ 4020/6 A 100
					180	7,500	15,000	10	44654088	PNZ 4020/6 A 180
50	30	6	40	A	80	6,000	12,000	10	44698513	PNZ 5030/6 A 80
					100	6,000	12,000	10	44655080	PNZ 5030/6 A 100
					180	6,000	12,000	10	44655088	PNZ 5030/6 A 180
60	25	6	40	A	100	5,000	10,000	10	44656030	PNZ 6025/6 A 100
					180	5,000	10,000	10	44656038	PNZ 6025/6 A 180
	50	6	40	A	80	5,000	10,000	10	44698514	PNZ 6050/6 A 80
					100	5,000	10,000	10	44656080	PNZ 6050/6 A 100
80	25	6	40	A	100	4,000	7,500	10	44658030	PNZ 8025/6 A 100
					180	4,000	7,500	10	44658038	PNZ 8025/6 A 180
	50	6	40	A	80	4,000	7,500	10	44698515	PNZ 8050/6 A 80
					100	4,000	7,500	10	44658080	PNZ 8050/6 A 100
100	50	6	40	A	180	4,000	7,500	10	44658088	PNZ 8050/6 A 180
					100	3,000	6,000	5	44690080	PNZ 10050/6 A 100
					180	3,000	6,000	5	44690088	PNZ 10050/6 A 180

Silicon carbide (SiC)

80	50	6	40	SiC	100	4,000	7,500	10	44640806	PNZ 8050/6 SiC 100
					180	4,000	7,500	10	44640808	PNZ 8050/6 SiC 180

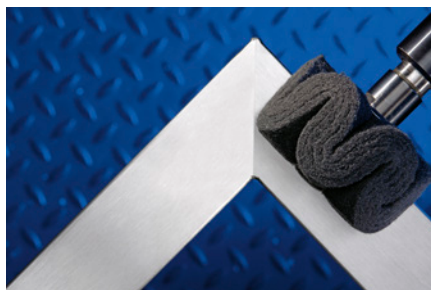
Non-woven tools

POLINOX mounted grinding wheels



PNG type

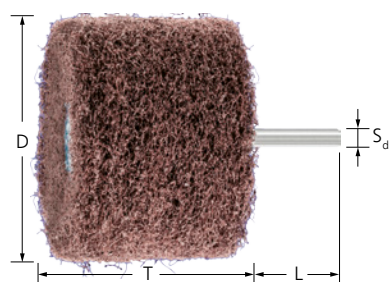
Made of several very wavy arranged strips of non-woven abrasive material, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces. Available in aluminium oxide A and silicon carbide (SiC).



Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
Aluminium oxide A										
80	50	6	40	A	100	4,000	7,500	10	44646010	PNG 8050/6 A 100
					180	4,000	7,500	10	44646018	PNG 8050/6 A 180
					280	4,000	7,500	10	44646028	PNG 8050/6 A 280
100	50	6	40	A	100	3,000	6,000	5	44669100	PNG 10050/6 A 100
					180	3,000	6,000	5	44669180	PNG 10050/6 A 180
					280	3,000	6,000	5	44669280	PNG 10050/6 A 280
Silicon carbide (SiC)										
80	50	6	40	SiC	100	4,000	7,500	10	44640851	PNG 8050/6 SiC 100
					180	4,000	7,500	10	44640858	PNG 8050/6 SiC 180
					280	4,000	7,500	10	44640862	PNG 8050/6 SiC 280
100	50	6	40	SiC	100	3,000	6,000	5	44640910	PNG 10050/6 SiC 100
					180	3,000	6,000	5	44640918	PNG 10050/6 SiC 180
					280	3,000	6,000	5	44640922	PNG 10050/6 SiC 280



PNR type

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. Available in aluminium oxide A.



Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
25	15	2.35	40	A	100	7,600	12,300	10	44650131	PNR 2515/2,35 A 100
					180	7,600	12,300	10	44650132	PNR 2515/2,35 A 180
					280	7,600	12,300	10	44650133	PNR 2515/2,35 A 280
	3	40	40	A	100	7,600	12,300	10	44650231	PNR 2515/3 A 100
					180	7,600	12,300	10	44650232	PNR 2515/3 A 180
					280	7,600	12,300	10	44650233	PNR 2515/3 A 280

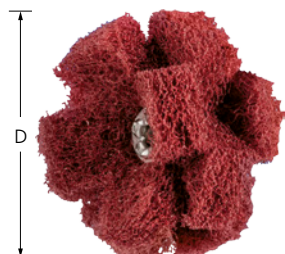
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Non-woven tools

POLINOX mounted grinding wheels

D [mm]	T [mm]	S _d [mm]	L [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
30	20	3	40	A	100	6,500	10,200	10	44650331	PNR 3020/3 A 100
					180	6,500	10,200	10	44650332	PNR 3020/3 A 180
					280	6,500	10,200	10	44650333	PNR 3020/3 A 280
60	50	6	40	A	100	5,000	10,000	10	44656100	PNR 6050/6 A 100
					180	5,000	10,000	10	44656180	PNR 6050/6 A 180
					280	5,000	10,000	10	44656280	PNR 6050/6 A 280
80	50	6	40	A	100	4,000	7,500	10	44668100	PNR 8050/6 A 100
					180	4,000	7,500	10	44668180	PNR 8050/6 A 180
					280	4,000	7,500	10	44668280	PNR 8050/6 A 280

POLINOX cross buffs



PNST type

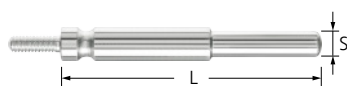
Suitable for cleaning, deburring and fine grinding of inner surfaces and contours. Particularly suitable for hard-to-reach places such as drilled holes and indentations. Available in aluminium oxide A.



Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

D [mm]	Abrasive	Grit size	Number of layers	Opt. RPM	Max. RPM		Item no.	Designation
19	A	100	2	15,000	25,100	20	44698192	PNST 19-2 A 100
		280	2	15,000	25,100	20	44698193	PNST 19-2 A 280
25	A	80	2	10,000	19,100	20	44698254	PNST 25-2 A 80
		100	2	10,000	19,100	20	44698252	PNST 25-2 A 100
		280	2	10,000	19,100	20	44698253	PNST 25-2 A 280
38	A	80	3	7,500	12,600	20	44698384	PNST 38-3 A 80
		100	3	7,500	12,600	20	44698382	PNST 38-3 A 100
		280	3	7,500	12,600	20	44698383	PNST 38-3 A 280
50	A	80	2	5,500	9,500	20	44698504	PNST 50-2 A 80
		100	2	5,500	9,500	20	44698502	PNST 50-2 A 100
		280	2	5,500	9,500	20	44698503	PNST 50-2 A 280



Arbor BO PNST

Arbor for POLINOX cross buffs which also enables holes and cut-outs to be reached easily.

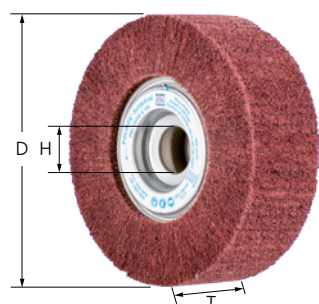
Special features:

- High economic efficiency as tool can be changed quickly.

S [mm]	L [mm]	Thread	Clamping length [mm]		Item no.	Designation
6	75	8-32 UNC	30	1	42700675	BO PNST 6-75
	125	8-32 UNC	30	1	42700685	BO PNST 6-125

Non-woven tools

POLINOX unmounted grinding wheels



PNL type

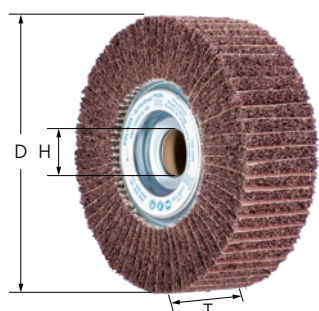
The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps. A long tool life is achieved through the dense packing of the flaps. This tool is mainly used for work on large surfaces.



Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	Designation
150	50	25.4	A	100	2,000	4,000	FR/VR 12/25.4	1	44644111	PNL 15050/25,4 A 100
				180	2,000	4,000	FR/VR 12/25.4	1	44644119	PNL 15050/25,4 A 180
				280	2,000	4,000	FR/VR 12/25.4	1	44644129	PNL 15050/25,4 A 280
200	50	44	A	100	1,500	3,000	FR/VR 12/44.0	1	44644211	PNL 20050/44 A 100
				180	1,500	3,000	FR/VR 12/44.0	1	44644219	PNL 20050/44 A 180
				280	1,500	3,000	FR/VR 12/44.0	1	44644229	PNL 20050/44 A 280



PNZ type

Grinding wheels with non-woven abrasive material with aluminium oxide A arranged in multiple radial flaps and with abrasive cloth between the flaps. This facilitates improved stock removal and achieves a coarser surface finish. The grinding wheels are mainly used for work on large surfaces.

Special features:

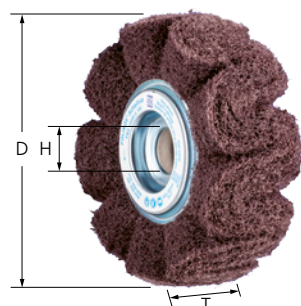
- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	Designation
150	50	25.4	A	100	2,000	4,000	FR/VR 12/25.4	1	44645111	PNZ 15050/25,4 A 100
				180	2,000	4,000	FR/VR 12/25.4	1	44645119	PNZ 15050/25,4 A 180
200	50	44	A	100	1,500	3,000	FR/VR 12/44.0	1	44645211	PNZ 20050/44 A 100
				180	1,500	3,000	FR/VR 12/44.0	1	44645219	PNZ 20050/44 A 180



Non-woven tools

POLINOX unmounted grinding wheels



PNG type

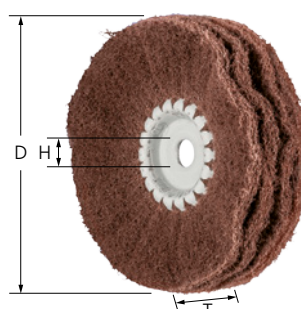
Made of several very wavyly arranged strips of non-woven abrasive material with aluminium oxide A as the abrasive, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces.



Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	Designation
150	50	25.4	A	100	2,000	4,000	FR/VR 12/25.4	1	44646111	PNG 15050/25,4 A 100
				180	2,000	4,000	FR/VR 12/25.4	1	44646119	PNG 15050/25,4 A 180
				280	2,000	4,000	FR/VR 12/25.4	1	44646129	PNG 15050/25,4 A 280
200	50	44	A	100	1,500	3,000	FR/VR 12/44.0	1	44646211	PNG 20050/44 A 100
				180	1,500	3,000	FR/VR 12/44.0	1	44646219	PNG 20050/44 A 180
				280	1,500	3,000	FR/VR 12/44.0	1	44646229	PNG 20050/44 A 280



PNR type

Made of slightly wavyly arranged strips of non-woven material with aluminium oxide A as the abrasive, wound around a metal core. Exceptional adaptation to contours thanks to the open arrangement and high flexibility. Enable seamless brush matting of surfaces, profiles and pipes.

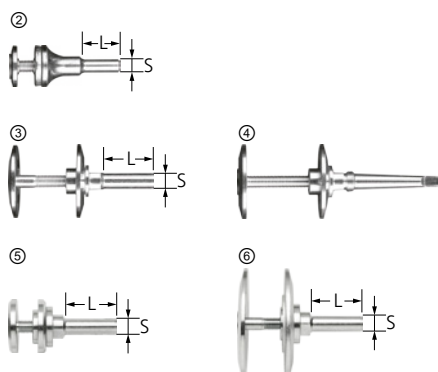
Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	Designation
100	35	10	A	180	2,500	5,500	BO 8/10	1	44647118	PNR 10035/10 A 180
				280	2,500	5,500	BO 8/10	1	44647128	PNR 10035/10 A 280
150	40	20	A	180	2,000	4,000	BO 12/20, BO MK 1/20	1	44647518	PNR 15040/20 A 180
				280	2,000	4,000	BO 12/20, BO MK 1/20	1	44647528	PNR 15040/20 A 280

Non-woven tools

Arbor for POLINOX grinding wheels



Arbor

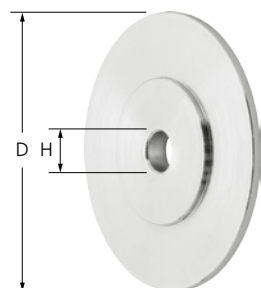
Matching arbor for POLINOX unmounted grinding wheels.

Special features:

- High economic efficiency as tool can be changed quickly.

Image	Suitable for hole diameter [mm]	S [mm]	L [mm]	Clamp- ing range [mm]		Item no.	Designation
②	10	8	30	6 – 20	1	42400008	BO 8/10 6-20
③	20	12	35	10 – 50	1	42400012	BO 12/20 10-50
④	20	-	-	10 – 50	1	42400062	BO MK 1/20 10-50
⑤	25.4	12	40	25 – 50	1	44601225	FR/VR 12/25,4 100-165
⑥	44	12	40	25 – 50	1	44601244	FR/VR 12/44,0 200-250

Reducing flanges for POLINOX grinding wheels RF



RF FR

For mounting unmounted flap wheels and POLINOX grinding wheels on drive spindles. The clamping flanges are designed to lie countersunk in the tool.

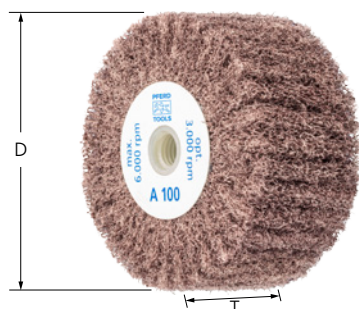
Special features:

- Can be adapted to an existing drive spindle by drilling.
- Can be used face-down very close to edges and in corners thanks to special clamping system.

Suitable for tool diameter [mm]	D [mm]	H [mm]	Max. H [mm]		Item no.	Designation
150, 165	40	12	22.2	1	44771225	RF FR 150-165 Bo. 12-22,2
200, 250	83	12	40	1	44771244	RF FR 200-250 Bo. 12-40

Non-woven tools

Threaded POLINOX grinding wheels



PNL type

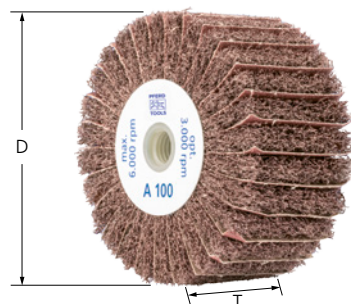
The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps. A long tool life is achieved through the dense packing of the flaps. For work on medium-sized surfaces.



Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Can be mounted directly onto speed-adjustable angle grinders and fillet weld grinders without the need for additional clamping devices.

D [mm]	T [mm]	Thread	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
100	50	5/8-11	A	100	3,000	6,000	5	44642021	PNL 10050 5/8-11 A 100
				180	3,000	6,000	5	44642022	PNL 10050 5/8-11 A 180
				280	3,000	6,000	5	44642023	PNL 10050 5/8-11 A 280
	M14	A	A	100	3,000	6,000	5	44642001	PNL 10050 M14 A 100
				180	3,000	6,000	5	44642002	PNL 10050 M14 A 180
				280	3,000	6,000	5	44642003	PNL 10050 M14 A 280



PNZ type

The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps, with abrasive cloth interlayers. This facilitates improved stock removal and achieves a coarser surface finish. For work on medium-sized surfaces.



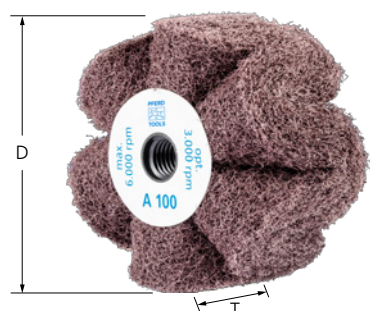
Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Can be mounted directly onto speed-adjustable angle grinders and fillet weld grinders without the need for additional clamping devices.

D [mm]	T [mm]	Thread	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
100	50	5/8-11	A	100	3,000	6,000	5	44642121	PNZ 10050 5/8-11 A 100
				180	3,000	6,000	5	44642122	PNZ 10050 5/8-11 A 180
				280	3,000	6,000	5	44642101	PNZ 10050 5/8-11 A 280
	M14	A	A	100	3,000	6,000	5	44642101	PNZ 10050 M14 A 100
				180	3,000	6,000	5	44642102	PNZ 10050 M14 A 180
				280	3,000	6,000	5	44642103	PNZ 10050 M14 A 280

Non-woven tools

Threaded POLINOX grinding wheels



PNG type

Made of several very wavy arranged strips of non-woven abrasive material with aluminium oxide A as the abrasive, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces. For work on medium-sized surfaces.



Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Can be mounted directly onto speed-adjustable angle grinders and fillet weld grinders without the need for additional clamping devices.

D [mm]	T [mm]	Thread	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
100	50	5/8-11	A	100	3,000	6,000	5	44642221	PNG 10050 5/8-11 A 100
				180	3,000	6,000	5	44642222	PNG 10050 5/8-11 A 180
				280	3,000	6,000	5	44642223	PNG 10050 5/8-11 A 280
		M14	A	100	3,000	6,000	5	44642201	PNG 10050 M14 A 100
				180	3,000	6,000	5	44642202	PNG 10050 M14 A 180
				280	3,000	6,000	5	44642203	PNG 10050 M14 A 280
125	50	5/8-11	A	100	2,300	3,800	2	44642521	PNG 12550 5/8-11 A 100
				280	2,300	3,800	2	44642523	PNG 12550 5/8-11 A 280
		M14	A	100	2,300	3,800	2	44642501	PNG 12550 M14 A 100
				180	2,300	3,800	2	44642502	PNG 12550 M14 A 180
				280	2,300	3,800	2	44642503	PNG 12550 M14 A 280

POLINOX grinding discs



PNL type

The non-woven abrasive flaps with aluminium oxide A as the abrasive are stuck to a glass-fabric backing pad, meaning the discs can be used face-down. A long tool life is achieved through the dense packing of the flaps.

Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- For work on large surfaces using speed-adjustable angle grinders.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
115	20	22.23	A	100	2,500	5,300	5	44692258	PNL 115-22,23 A 100
				180	2,500	5,300	5	44692259	PNL 115-22,23 A 180
				280	2,500	5,300	5	44692260	PNL 115-22,23 A 280
125	20	22.23	A	100	2,300	3,800	5	44692261	PNL 125-22,23 A 100
				180	2,300	3,800	5	44692262	PNL 125-22,23 A 180
				280	2,300	3,800	5	44692263	PNL 125-22,23 A 280

Non-woven tools POLINOX grinding discs



PNZ type

The non-woven and abrasive-cloth flaps with aluminium oxide A as the abrasive are stuck to a glass-fabric backing pad, meaning the discs can be used face-down on large surfaces. A long tool life is achieved through the dense packing of the flaps.

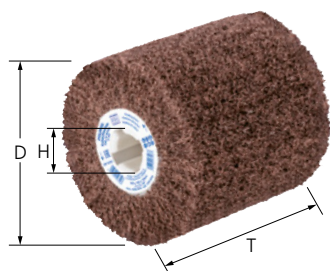
Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- For work on large surfaces using speed-adjustable angle grinders.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
115	20	22.23	A	100	2,500	5,300	5	44692264	PNZ 115-22,23 A 100
				180	2,500	5,300	5	44692265	PNZ 115-22,23 A 180
125	20	22.23	A	100	2,300	3,800	5	44692266	PNZ 125-22,23 A 100
				180	2,300	3,800	5	44692267	PNZ 125-22,23 A 180

4

POLINOX grinding drums



PNL-W type

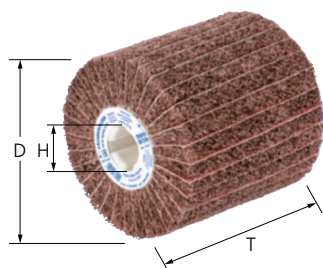
For work on large surfaces. The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps. A long tool life is achieved through the dense packing of the flaps.



Special features:

- Long tool life thanks to tightly packed flaps. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Suitable for all conventional keyway systems. The 19 mm hole diameter with four keyways fits all conventional drum grinders.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
100	100	19	A	80	2,500	4,800	1	47801097	PNL-W 100100 A 80
				100	2,500	4,800	1	44641010	PNL-W 100100 A 100
				180	2,500	4,800	1	44641018	PNL-W 100100 A 180
				280	2,500	4,800	1	44641028	PNL-W 100100 A 280



PNZ-W type

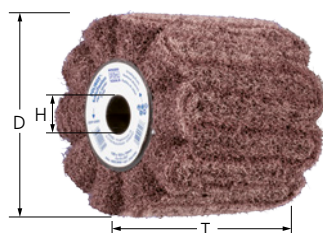
For work on large surfaces. The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps. There is also abrasive cloth situated between the flaps. The flap arrangement results in a higher stock removal rate and produces a coarser surface finish.



Special features:

- Long tool life thanks to tightly packed flaps. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Suitable for all conventional keyway systems. The 19 mm hole diameter with four keyways fits all conventional drum grinders.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
100	100	19	A	60	2,500	4,800	1	44641106	PNZ-W 100100 A G/60
				80	2,500	4,800	1	44641108	PNZ-W 100100 A M/80
				120	2,500	4,800	1	44641112	PNZ-W 100100 A F/120



PNG-W type

For work on large surfaces. Made of several very wavy arranged strips of non-woven abrasive material with aluminium oxide A as the abrasive, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of large surfaces.



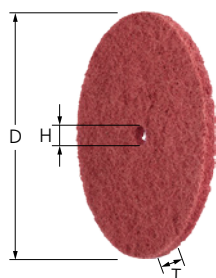
Special features:

- Long tool life thanks to tight, wavy flaps. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Suitable for all conventional keyway systems. The 19 mm hole diameter with four keyways fits all conventional drum grinders.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	Designation
100	100	19	A	100	2,500	4,800	1	44641201	PNG-W 100100 A 100
				180	2,500	4,800	1	44641202	PNG-W 100100 A 180
				280	2,500	4,800	1	44641203	PNG-W 100100 A 280

Non-woven tools

POLINOX discs



PVR type

POLINOX discs with aluminium oxide A as the abrasive are suited to flexible work on complicated workpiece contours, and are used in peripheral grinding applications. Clamp up to three discs behind one another to increase the usage width.

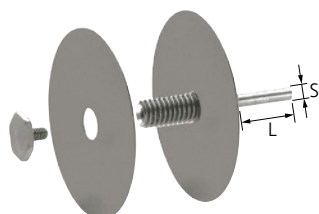


Special features:

- Highly flexible, enabling optimal adjustment to the contour, with very long tool life. Hard-to-reach areas can be accessed, such as deep slots and recesses.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order the arbor for POLINOX discs separately.

D [mm]	T [mm]	H [mm]	Abrasive	Grit size	Max. RPM	Suitable arbors		Item no.	Designation
50	10	6	A	100	12,250	BO 6/6 3-10	10	44693050	PVR 5010-6 A 100
				280	12,250	BO 6/6 3-10	10	44693051	PVR 5010-6 A 280
75	10	6	A	100	8,150	BO 6/6 3-10	10	44693075	PVR 7510-6 A 100
				280	8,150	BO 6/6 3-10	10	44693076	PVR 7510-6 A 280
100	10	13	A	100	6,150	PVR 6/13 1-25	10	44693101	PVR 10010-13 A 100
				280	6,150	PVR 6/13 1-25	10	44693102	PVR 10010-13 A 280
125	10	13	A	100	4,900	PVR 6/13 1-25	10	44693125	PVR 12510-13 A 100
				280	4,900	PVR 6/13 1-25	10	44693126	PVR 12510-13 A 280
150	10	13	A	100	4,100	PVR 6/13 1-25	10	44693151	PVR 15010-13 A 100
				280	4,100	PVR 6/13 1-25	10	44693152	PVR 15010-13 A 280

Arbor for POLINOX discs



Arbor PVR

Arbor for POLINOX discs.

Special features:

- High economic efficiency as tool can be changed quickly.

- Use the supplied side discs with a diameter of 50 and 80 mm in order to vary the lateral flexibility.

Suitable for hole diameter [mm]	S [mm]	L [mm]	Clamping range [mm]		Item no.	Designation
13	6	35	1 – 25	1	23600506	PVR 6/13 1-25