

43141

Special Lapping Compounds

Use

For fine abrasive, lapping and fitting work, and for all other types of grinding to shape. Can be thinned or removed with oil, petroleum, petrol, etc.



43141

Grit	Grit size approx. µm	Content ml	Type	43141	...
90 = very coarse	180 - 160	220	in can		111
150 = coarse	105 - 88	220	in can		112
240 = medium fine	55 - 40	220	in can		114
320 = fine	39 - 21	220	in can		115

Grit	Grit size approx. µm	Content ml	Type	43141	...
400 = finer	28 - 14	220	in can		116
600 = finest	15 - 8	220	in can		117
800 = ultra-fine	12 - 6	220	in can		118
1200 = micro-fine	5 - 1	220	in can		120

43150 - 43154

Abrasive Flap Wheels Brown Corundum (shank Ø 6 mm)



Type

Shank length 40 mm,
Maximum working speed 40 m/s.
Abrasive flap wheels Ø 30 mm with shank Ø 3 mm.

Use

For processing of small parts, curves, pipes, moulds, models, fittings, etc. Particularly suited for surface smoothing to ultra-fine polishing. No chatter marks!

Quality

Made of soft, flexible flaps of abrasive cloth.



43150 - 43154

Ø mm	Width mm	Max. permissible speed RPM	Recommended speed RPM	Image	Grit 60		Grit 80		Grit 120		Grit 150		Grit 240	
					43150	...	43151	...	43152	...	43153	...	43154	...
30	10	18.000	16.000	10 pcs.			201		101		101			101
40	15	18.000	12.000	10 pcs.			202		102		102		102	102
50	20	12.000	9.000	10 pcs.					103		103		103	103
60	30	12.000	8.000	10 pcs.			204		104		104		104	104
80	50	7.500	6.000	10 pcs.			205		105		105	#	105	105

43162 - 43168

Abrasive Flap Wheels Brown Corundum (shank Ø 6 mm)

PFERD



Type

DIN 69183 (except for Ø 50 x 15 mm/60 x 40 mm/80 x 15 mm). Rec. peripheral speed = 15-20 m/s. The grit is embedded in the synthetic resin coating of the high-strength fabric flaps. High flexibility and concentricity. High removal thanks to aggressive abrasive material. The backing material is taken off evenly and without leaving residue on the workpiece surface.

Use

For fine abrasive work on larger radii in tool making and mould construction. For smaller and hard-to-reach surfaces in container and machine construction. For processing of fittings of non-ferrous metals and aluminium. Thanks to the flat and small design it is possible to work very closely to the face of edges and corners.

Quality

Grit brown corundum.



43162 - 43168

Ø mm	Width mm	Max. permissible speed RPM	Recommended RPM	Grit 60		Grit 80		Grit 120		Grit 150		Grit 240		Grit 320	
				43162	...	43163	...	43164	...	43165	...	43167	...	43168	...
30	10	25.400	12.000			110	110	110		110		110		110	
40	15	19.100	9.600			114	114	114		114		114		114	
50	15	15.200	7.000			117	117	117		117		117	#	117	
60	15	12.700	6.300			120	120	120	#	120	#	120	#	120	
60	20	12.700	6.300	#		121	121	121		121		121	#	121	
60	30	12.700	6.300			122	122	122		122	#	122	#	122	
60	40	12.700	6.300			123	123	123		123		123		123	
80	15	9.500	4.800			125	125	125		125		125		125	
80	50	9.500	4.800			129	129	129	#	129		129		129	

43172 - 43175

Abrasive Flap Wheels Silicon Carbide (shank Ø 6 mm)

PFERD



Type

DIN 69183. The grit is embedded in the synthetic resin coating of the high-strength fabric flaps. High flexibility and concentricity. High removal thanks to aggressive abrasive material. The backing material is taken off evenly and without leaving residue on the workpiece surface.

Use

For materials such as aluminium, copper, bronze, titanium, high-alloyed steel and plastics. Especially suitable for titanium and titanium-alloys, because there will be no heat cracks thanks to sharper grinding and low accumulation of heat.

Quality

Grit silicon carbide.



43172 - 43175

Ø mm	Width mm	Max. permissible speed RPM	Recommended RPM	Recommended peripheral speed m/s	Grit 60		Grit 80		Grit 120		Grit 150		
					43172	...	43173	...	43174	...	43175	...	
30	10	25.400	12.000	15 - 20			101		101		101	#	101
60	30	12.700	6.300	15 - 20			102	#	102		102		102



Matt-Finishing Wheels | Discs for marbling tools

43155 - 43158 Non-Woven Abrasive Matt-Finishing Wheels SiC/NK (shank Ø 6 mm)

Type
Impregnated with abrasive grit for extremely soft work.

Use
For matt-finishing of steel, brass, copper, aluminium and plastic panels, as well as for removing contamination and oxide layers on metals.

43155 Quality
Fill of non-woven abrasive flaps with **silicon carbide**.

43156 - 43158 Quality
Fill of non-woven abrasive flaps with **normal corundum**.



43155 - 43158

Ø mm	Width mm	Max. permis. speed RPM	Recommended RPM	Shank length mm	Very fine/C207	Medium/A104	Fine/A106	Very fine/A107	...
					43155	...	43156	...	
40	30	14.000	7.500	40				202	
50	20	11.000	6.000	40		203		203	
60	30	9.000	5.000	40			206	206	
60	50	9.000	5.000	40			208		208
80	50	7.000	4.000	40			210	210	210

43177 - 43179 POLINOX® Non-Woven Abrasive Matt-Finishing Tool Silicon Normal Corundum (shank Ø 6 mm)



Type
The non-woven abrasive is mounted in radial flaps. Long service life thanks to tightly packed flaps.

Use
For matt-finishing and calendering of metal, matt-finishing of non-ferrous metal, for cleaning of non-ferrous metal, for flawless dash-dot matting of stainless steel and for roughing of plastics when preparing them for glueing.. Mainly for machining surfaces.

Quality
Grit normal corundum.



43177 - 43179

Ø mm	Width mm	Max. permis. speed RPM	Recommended RPM	Recommended peripheral speed m/s	Grit 100	...	Grit 180	Grit 280	...
					43177	...	43178	...	
40	20	15.000	7.500	10 - 25			101	101	101
50	30	12.000	6.000	10 - 25			102	102	102
60	50	10.000	5.000	10 - 25			103	103	103
80	50	7.500	4.000	10 - 25			104	104	104

43180 - 43181 POLINOX® Non-Woven Matt-Finishing Tools Silicon Carbide (shank Ø 6 mm)



Type
The non-woven abrasive is mounted in radial flaps. Long service life thanks to tightly packed flaps.

Use
For matt-finishing and calendering of metal, cleaning of oxidised non-ferrous metal, for flawless dash-dot

matting of stainless steel and for roughing of plastics when preparing them for glueing.. Extremely well-suited for fine grinding and matting of non-ferrous metals and stainless steels, for fine deburring of pre-processed aluminium parts and for processing of paints and coatings.

Quality
Grit silicon carbide.



43180 - 43181

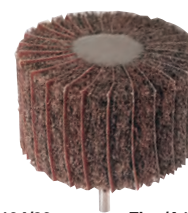
Ø mm	Width mm	Max. permis. speed RPM	Recommended RPM	Recommended peripheral speed m/s	Grit 180	...	Grit 280	...
					43180	...	43181	
40	20	15.000	7.500	10 - 25			101	101
50	30	12.000	6.000	10 - 25			102	102
60	50	10.000	5.000	10 - 25			103	103
80	50	7.500	4.000	10 - 25			104	104

43159 - 43160 Non-Woven/Cloth Matt-Finishing Tool Normal Corundum (shank Ø 6 mm)

Type
Impregnated with abrasive grit for extremely soft work. Non-woven abrasive/cloth abrasive combined.

Use
For matt-finishing of steel, brass, copper, aluminium and plastic panels, as well as for removing contamination and oxide layers on metals.

Quality
Combined fill of non-woven abrasive flaps and inserted abrasive cloth flaps achieve greater abrasive effects.



43159 - 43160

Ø mm	Width mm	Max. permis. speed RPM	Recommended RPM	Shank length mm	Medium/A104/80	Fine/A106/150	...
					43159	...	
40	20	14.000	7.500	40		201	
60	50	9.000	5.000	40		208	208
80	40	7.000	4.000	40	#	209	
80	50	7.000	4.000	40		210	210

43185 - 43186

POLINOX® Non-Woven/Cloth Marbling Tools Silicon Normal Corundum (shank Ø 6 mm)



Type

The fleece is mounted in radial flaps; the abrasive cloth is situated between the flaps. This ensures a higher removal of material, at the same time the surface becomes coarser.

Use

For matt-finishing and calendering of metal, matt-finishing of non-ferrous metal, for cleaning of oxidised non-ferrous metal, for flawless dash-dot matting of stainless steel and for roughing of plastics when preparing them for glueing

Quality

Grit brown corundum.

43185 - 43186



Ø mm	Width mm	Max. permis. speed RPM	Recommended RPM	Recommended peripheral speed m/s	Grit 100 43185	...	Grit 180 43186	...
40	20	15.000	7.500	10 - 25				
60	50	10.000	5.000	10 - 25	101		101	
80	50	7.500	4.000	10 - 25	102		102	
100	50	6.000	3.000	10 - 25	103		103	
					104		104	

43187 - 43188

POLINOX® Non-Woven Abrasive Matt-Finishing Tool Silicon Normal Corundum (shank Ø 6 mm)



Type

Several wave-like fleece strips are wrapped around the core.

Use

For matt-finishing and calendering of metal, matt-finishing of non-ferrous metal, cleaning of oxidised non-ferrous metal, for flawless dash-dot matting of stainless steel and for roughing of plastics when preparing them for glueing. The waviness of the fleece ensures chatter-free dash-dot matting of surfaces.

43187 - 43188



Ø mm	Width mm	Max. permis. speed RPM	Recommended RPM	Grit 100 43187	...	Grit 180 43188	...
80	50	7.500	4.000	#	100	100	
100	50	6.000	3.000		101	101	

43192

POLIVLIES® discs



43192 101-102

POLIVLIES® Discs

Type

- To enlarge the implementation width up to 3 discs can be mounted, one behind the other
- Arbors (cat.-no. 43192 201) please order separately

Use

With peripheral grinding, difficult tool contours can be flexibly processed.

Application examples:

- Deburring of ribs and deep webs
- Cleaning of cylinder heads
- Fine grinding of radiators

Quality

Abrasive corundum.

43192 201

Arbors

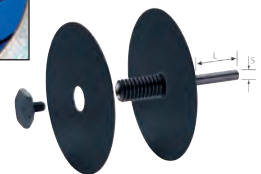
Use

For POLIVLIES® discs cat.-no. 43192 101-102. The clamping depth is preset via a hexagonal nut on the shank side. Up to 3 POLIVLIES® discs can be mounted. Supplied with one pair of metal discs (Ø 50 and 80 mm) for lateral flexibility adjustment. The tool can be changed from the front by unscrewing the mounting screw. The arbor need not be removed from the machine to replace the tool.

43192 101-102



43192 201



Grit	Outer Ø x width mm	Bore Ø mm	Max. permis. speed RPM	Recommended RPM	Recommended Cutting speed m/s	43192	...
Medium	150 x 8	13	4.000	1.300 - 3.100	10 - 25		101
Very fine	150 x 8	13	4.000	1.300 - 3.100	10 - 25		102

	T x L mm	suitable for bore Ø mm	Clamping range mm	43192	...
Arbor	6 x 35	13	1 - 25		201



43189 - 43190 POLINOX® Sanding Stars



Quality
Normal corundum (A).

43189 - 43190

Use
For cleaning, deburring and fine-grinding of surfaces and contours, especially in narrow areas such as boreholes and recesses and in hard-to-reach places, e.g. cleaning and deburring of threads.

Note:
Suitable mounting bolts see cat.-no. 43191.



Ø mm	Grit	No. of layers	Rec. periph. speed m/s	43189	...	43190	...
25	Medium fine 180	2	10 - 25			101	
25	Very fine 280	2	10 - 25			102	
38	Medium fine 180	3	10 - 25				101
38	Very fine 280	3	10 - 25				102

43191 Mounting Bolt



43191 102

43191

Use
For POLINOX® sanding stars 25 mm Ø (cat.-no. 43189).

Use
For POLINOX® sanding stars 38 mm Ø (cat.-no. 43190).



For sanding star Ø mm	Shank Ø mm	Clamping length mm	Bolt length mm	43191	...
25	6	30	75		101
38	6	30	125		102

43193 Marbling Tool (shank Ø 6 mm)



Use
The easily exchangeable non-woven abrasive discs (cat.-no. 43194-43196) are fastened to the elastic plastic base by means of Velcro.

43193

Ø mm	Ø inch	Optimal speed RPM	43193	...
40	1.1/2	600 - 1400		101
50	2	600 - 1400		102
60	2.1/2	600 - 1400	#	103



43194 - 43196 Non-Woven Discs for Marbling Tools



Type
Oil and water-resistant.

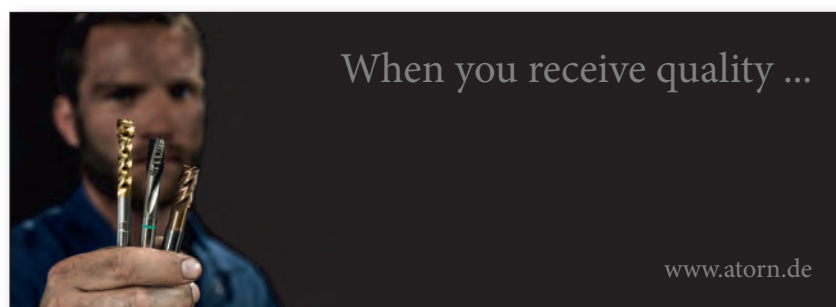
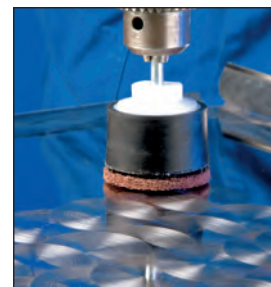
Use
Special tool for creating surface effects (marbling of surfaces), but also for profiled workpieces. The easily exchangeable Non-woven abrasive discs are fastened to the elastic plastic base (cat.-no. 43193) by means of Velcro tape.

43194 - 43196

Quality
Normal corundum.



Ø mm	Ø inch	Optimal speed RPM	Grit 100		Grit 180		Grit 280	
			43194	...	43195	...	43196	...
40	1.1/2	600 - 1400		101		101		101
50	2	600 - 1400		102		102	#	102
60	2.1/2	600 - 1400	#	103	#	103	#	103



When you receive quality ...

... then it's ATORN.

ATORN®
Performance requires quality

www.atorn.de

43200

Abrasive flap rollers of abrasive cloth with bore

Type

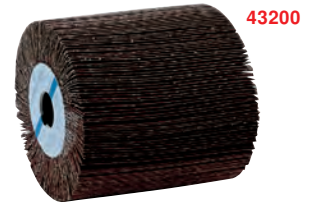
Type LWL

4-wedge keyway 6 mm. The abrasive flaps are strewn with an artificial resin bound corundum mix of normal and white corundum. They adapt to the workpiece well.

Use

For manually-operated surface grinding machines and glazing machines.

Fine abrasive and polishing work. rust removal, descaling and deburring.



Grit	Ø mm	Max. permis. speed RPM	Recommended RPM	Bore Ø mm	43200	...
40	100 x 100	6.000	3.700	19		102
60	100 x 100	6.000	3.700	19		104
80	100 x 100	6.000	3.700	19		106

43202

Abrasive flap rollers of non-woven abrasive with bore

Type

Type LWV

4-wedge keyway 6 mm, synthetic fibres with resin bound grinding elements. The fibre fleece is very elastic and adapts to the workpiece well. Uniform work results through release of constant new abrasive particles.

Use

For manually-operated surface grinding machines and glazing machines.

Cleaning and smoothing of surface, chatter-free matt-finishing, removal of slight pull-grooves, dash-dot matting.



Grit	Ø mm	Max. permis. speed RPM	Recommended RPM	Bore Ø mm	43202	...
A-104/coarse	100 x 100	6.000	2.800	19		103
A-106/medium	100 x 100	6.000	2.800	19		105
A-107/fine	100 x 100	6.000	2.800	19		106

43204

Abrasive flap rollers of non-woven abrasive/cloth with bore

Type

Type LWM

4-wedge keyway 6 mm. **Combination of non-woven abrasive and abrasive flaps.** Through the additional abrasive cloth between the non-woven abrasive a higher abrasive effect relative to type LWV (cat.-no. 43202) is achieved.

Use

For manually-operated surface grinding machines and glazing machines.

Removal of scratches, scale layers and rust. Cleaning of surfaces, deburring, dash-dot matting of metal surfaces.



Grit	Ø mm	Max. permis. speed RPM	Recommended RPM	Bore Ø mm	43204	...
A-104 / 80	100 x 100	6.000	2.800	19		103
A-106 / 150	100 x 100	6.000	2.800	19		105
A-107 / 240	100 x 100	6.000	2.800	19		106

47310

Brush rollers with bore

PFERD



Type

Unknotted, borehole with 4 keyways.

47310 101

Type

Steel wire (stranded wire).

Use

Suitable for very heavy-duty brushing projects. Thanks to the arrangement of the wire, the brushing effect is very aggressive.

47310 102

Type

INOX wire

Use

For texturing INOX workpieces. For perfect corrosion protection.

47310 103

Type

With plastic trim (SiC).

Use

For texturing of steel, INOX, and wood. Also for fine deburring of boreholes and break-through of large parts.



Fill	Ø mm	Bore Ø mm	Fill thickness Ø mm	Fill length mm	Fill width mm	Recommended approx. RPM	max. speed approx. RPM	47310	...
steel wire	100	19,1	0,27	26	100	3.000 - 4.500	6.000	#	101
INOX wire	100	19,1	0,20	26	100	2.400 - 3.900	6.000		102
Plastic (SiC)	100	19,1	1,27	26	100	2.400 - 3.900	6.000		103



43470 - 43473 Abrasive Cap Holders and Abrasive Caps (Green)

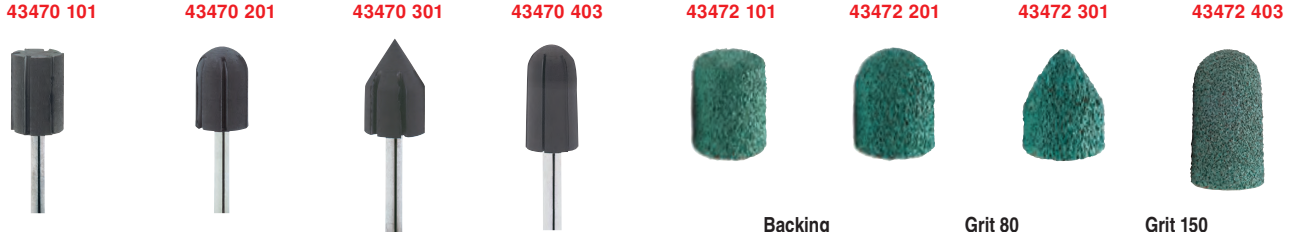


Use

The holder takes the abrasive cap. The caps are held tight by the centrifugal force during work. Quickly and easily exchangeable! **For machining of corrosion-resistant and heat-resistant steel** for tool making and mould making.

43470
Abrasive Cap Holders
Type
Slotted rubber body with steel shank.

43472 - 43473
Abrasive Caps NKS
Type
High-quality grit in conjunction with a grinding bonding ensure improve results with low wear and increased stock removal rate.



Shape	Shank Ø mm	Ø x head height mm	Max. permis. speed RPM	Backing		Grit 80		Grit 150	
				43470	...	43472	...	43473	...
cylindrical	3	5 x 10	57.000			101		101	101
cylindrical	3	7 x 12	42.000	#		102		102	# 102
cylindrical	3	10 x 15	30.000			103		103	103
helical	3	5 x 11	57.000			201		201	201
helical	3	7 x 13	42.000			202		202	202
helical	3	10 x 15	30.000			203	#	203	# 203
helical	3	13 x 19	23.000			204	#	204	# 204
tapered roller	3	5 x 11	57.000			301		301	301
tapered roller	3	7 x 13	42.000			302	#	302	# 302
tapered roller	3	10 x 15	30.000			303		303	# 303
helical, long	6	16 x 32	18.000			403		403	# 403

43490 - 43493 POLICAP® Abrasive Cap Holders and Abrasive Caps



Use

The holder takes the abrasive cap. The caps are held tight by the centrifugal force during work. **Quickly and easily exchangeable!** Use primarily in the tool for finishing projects in hard-to-reach places. For steel and stainless steel.

43490
Abrasive cap holder
Type
Slotted rubber body with steel shank.

43491 - 43493
Abrasive caps
Type
Seamless shape. Grits: 60 (coarse, brown), 150 (medium, black), 280 (fine, red-brown).
Quality
Normal corundum (A).



Shape	Shank Ø mm	Ø x Head height mm	Max. permis. speed RPM	Recommended RPM	Backing		Grit 60		Grit 150		Grit 280	
					43490	...	43491	...	43492	...	43493	...
cylindrical	3	7 x 12	65.000	30.000			102		102		102	102
cylindrical	3	10 x 15	45.000	20.000			103		103		103	103
cylindrical	6	13 x 17	35.000	16.000	#		104		104	#	104	# 104
Cylindrical	6	16 x 26	30.000	12.000			105		105		105	# 105
Helical	3	7 x 13	65.000	30.000			202		202		202	202
helical	3	10 x 15	45.000	20.000			203		203		203	203
helical	6	13 x 17	35.000	16.000			204		204	#	204	204
Helical	6	16 x 26	30.000	12.000			205		205		205	# 205
Cone point	3	7 x 13	65.000	30.000			302		302		302	302
Cone point	3	10 x 15	45.000	20.000			303		303		303	# 303
Cone point	6	13 x 17	35.000	16.000			304	#	304		304	# 304
Cone point	6	16 x 26	30.000	12.000			305		305	#	305	# 305
helical, long	6	11 x 25	40.000	20.000			402	#	402		402	402
helical, long	6	16 x 32	30.000	12.000			403		403		403	403
helical, long	6	21 x 40	20.000	9.500			404		404	#	404	# 404



Abrasive Tools / Separating Tools

43505

Abrasive belt backing (shank Ø 6 mm)

Type

Cylindrical. Rubber body slotted (elongates through centrifugal force and clamps the abrasive belt).

Use

For exchangeable abrasive belts cat.-no. 43511-43515.



43505

Ø x Width mm	Max. permis. speed RPM	Recommended RPM	Cutting speed m/s	43505	...
22 x 20	26.000	18.000	25 - 40		101
15 x 30	38.000	26.000	25 - 40		201
30 x 30	19.000	13.000	25 - 40		202
45 x 30	13.000	8.500	25 - 40		203
60 x 30	9.500	6.500	25 - 40		204

43511 - 43515

Abrasive Belt Sleeves

Type


Cylindrical. Linen abrasive belt with abrasives brown corundum in synthetic resin bonding.

Use

For usage with rubber wheel cat.-no. 43505. For surface work with high stock removal rates - even for work on edges!



43511 - 43515

Ø x Width mm	Max. permis. speed RPM	Recommended RPM	Cutting speed max. m/s		Coarse grit 50	Medium grit 80	Fine grit 150	...
					43511	43513	43515	...
22 x 20	26.000	18.000	40	50 pcs.		105	105	105
15 x 30	38.000	26.000	40	50 pcs.		111	111	111
30 x 30	19.000	13.000	40	50 pcs.		119	119	119
45 x 30	13.000	8.500	40	50 pcs.		121	121	121
60 x 30	9.500	6.500	40	50 pcs.			123	# 123

43516

Abrasive belt sleeve backing DIN 69180-1 (Shank Ø 6 mm)

PFERD



Type

Cylindrical. The slots facilitate elongation of the rubber body (hardness approx. 65 Shore A). By this, the abrasive belt is tightened and a better elasticity is achieved. The belt will not slip, rests

full-surface on the workpiece and consequently can be used with its full width.

Use

For interchangeable abrasive belt sleeves cat.-no. 43518-43523.



43516

Ø x Width mm	Max. permis. speed RPM	Recommended RPM	43516	...
10 x 20	44.000	30.000		108
15 x 30	36.000	26.000		112
30 x 30	19.100	13.000		118
38 x 25	15.900	10.000		# 120
45 x 30	12.700	8.500		121
60 x 30	9.500	6.500		124

43518 - 43523

Abrasive Belt Sleeves DIN 69181/ISO 2421

PFERD



Type

Cylindrical. Tear-resistant, full resin-bound base material. Long service life thanks to good adhesion of the grains to the base and high grain quality. Rec. peripheral speed approx. 20-30 m/s.

Use

In serial production, finishing work and assembly. For use on abrasive belt ring cat.-no. 43516.

Quality

Grit normal corundum.



43518 - 43523

Ø x Width mm	Max. permis. speed RPM	Recommended RPM	Grit 40	Grit 50	Grit 60	Grit 80	Grit 150	Grit 240	...
			43518	43519	43520	43521	43522	43523	...
10 x 20	44.000	30.000				105	105	105	
15 x 30	36.000	26.000		109	109	109	109	109	109
30 x 30	19.100	13.000	114	114	114	114	114	114	
38 x 25	15.900	10.000			115	# 115	# 115	115	
45 x 30	12.700	8.500	116	116	116	116	116	116	
60 x 30	9.500	6.500	118	118	118	118	118	118	



43524 Abrasive belt backing (shank Ø 6 mm)

Type
Tapered. Rubber body slotted (elongates through centrifugal force and clamps the abrasive belt).

Use
 For exchangeable abrasive belts cat.-no. 43525-43528.



43524

Ø x Width mm	Maximum RPM	Recommended RPM	Cutting speed max. m/s		
14/20 x 63	21.000	18.500	25 - 40	#	101
22/29 x 30	21.000	16.000	25 - 40	#	102

Abrasive Tools / Separating Tools

43525 - 43528 Abrasive Belt Sleeves

Type
Tapered. Linen abrasive belt with abrasives brown corundum in synthetic resin bonding.

Use
 For usage with rubber wheel cat.-no. 43524. For mould construction, sheet metal work, deburring, car-body construction. Especially suited for steel (even hardened steel), for all metals, limited use for soft materials.



43525 - 43528

Ø x Width mm	Maximum RPM	Recommended RPM	Cutting speed max. m/s	Coarse grit 40		Coarse grit 50		Medium grit 80		Fine grit 150	
				43525	...	43526	...	43527	...	43528	...
14/20 x 63	21.000	18.500	40	#	101			#	101	#	101
22/29 x 30	21.000	16.000	40				102		102	#	102

System Prefab Office SHB 50



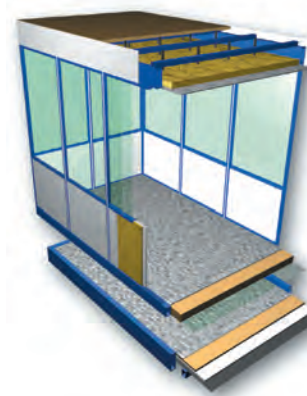
Design

Use

Individual spatial concepts - turnkey solutions.

The Prefab Office SHB 50 is the optimal spatial solution - from the small foreman's office to the 2-storey large facility with many advantages:

- Fast and easy installation through monoblock elements
- Optimal protection against noise and dust
- Effective use of space
- Turnkey solution
- Easy extensibility
- Cost-effective transferability
- Room heights to 3000 mm



Standard floor

Transport floor

Additional information on request



1-storey spatial solution



2-storey spatial solution



Spatial solution on a platform



Transportable spatial solution

43533

Endless Abrasive Belts

Type

Bonding:

Synthetic resin on special fabric. Corundum coating with high stock removal. Highly tear resistant cotton fabric for long service life

Use

For all kinds of wood, chip boards etc. and metal. Suitable for sanding coloured surfaces. For AEG sander type HBS 1000 E (cat.-no. 91530 102).

Quality

High-grade corundum abrasive with full synthetic resin bonding.



43533

Grit	Belt size mm	Pack = piece	43533	...
40	533 x 75	10		101
60	533 x 75	10		102
80	533 x 75	10		103

Grit	Belt size mm	Pack = pcs.	43533	...
100	533 x 75	10		104
150	533 x 75	10		105
220	533 x 75	10		106

43535

Endless Abrasive Belts

Type

Artificial resin-bound corundum abrasive belt on highly tear-resistant polyester-cotton mixed fabric backing.

Use

For metal cutting applications and deburring of cast iron, punched and forged workpieces in dry and wet grinding applications. For finger belt sander type LBS 1105 VE (cat.-no. 91532).



43535

Grit	Belt size mm	Pack = piece	43535	...
40	533 x 9	10	#	101
60	533 x 9	10		102

Grit	Belt size mm	Pack = pcs.	43535	...
120	533 x 9	10		103
220	533 x 9	10		104

43537

Endless Abrasive Belts

Type

Belt speed max. 32 m/s.

Use

For belt sanders.

For general wood and metal grinding purposes. Also suitable for INOX.

Quality

Grit normal corundum.

43537 101-106

Belt size 520 x 3 mm

43537 201-208

Belt size 520 x 6 mm

43537 301-306

Belt size 520 x 12 mm

43537 401-406

Belt size 520 x 16 mm

43537 501-506

Belt size 520 x 20 mm

43537 601-607

Belt size 533 x 30 mm

Use

For Flex belt and file machine type LBS 1105 VE (cat.-no. 91532).



43537

Belt size mm	520x3	520x6	520x12	520x16	520x20	533x30
Grit	43537	...	43537	...	43537	...
40	# 101	# 201	# 301	# 401	501	601
60	# 102	# 202	302	# 402	502	602
80	# 103	203	303	# 403	503	603
120	104	204	304	# 404	504	604
180	# 105	# 205	305	# 405	505	605
240	# 106	206	306	# 406	506	606
320		# 207				# 607
400		# 208				

43538

Short belts type non-woven

PFERD



Type

Made of underlined fleece, very elastic.

Belt speed max. 25 m/s.

Use

For belt sanders.

For creating matt-finishes and semi-gloss steel, INOX and non-ferrous metal surfaces.

For dry and wet grinding.

Quality

Grit normal corundum.

43538 101-103

Belt size 520 x 6 mm

43538 201-203

Belt size 520 x 12 mm

43538 501-503

Belt size 533 x 30 mm

Use

For Flex and file machine

type LBS 1105 VE (cat.-no. 91532).



43538

Belt size mm	520x6	520x12	533x30	
Grit	43538	...	43538	...
Coarse		101	# 201	# 501
Medium		102	202	502
Fine		# 103	# 203	503



43542 - 43546 Endless Abrasive Belts Corundum



Type
Robust fabric, synthetic resin bonding.

Use
Perfect for grinding metal under normal load. Suitable for automatic and robot grinding, hand grinding at the backstand as well as for manual machines.



43542 - 43546

Width x length mm	Grit 40		Grit 60		Grit 80		Grit 100		Grit 120	
	43542	...	43543	...	43544	...	43545	...	43546	...
12 x 305		101	#	101		101	#	101	#	101
75 x 533		102		102		102	#	102	#	102
100 x 560		103		103		103		103		103
100 x 620	#	104		104	#	104	#	104	#	104
100 x 950	#	105		105		105		105	#	105
100 x 1000	#	106		106		106		106		106
110 x 920	#	108	#	108		108		108	#	108
150 x 1450	#	110		110		110		110	#	110
200 x 1500 (1490)		112		112		112		112		112
200 x 1825	#	113		113	#	113	#	113	#	113
75 x 2000		114		114		114		114		114
150 x 2000	#	115		115		115		115	#	115

43547 - 43549 High-performance abrasive-cloth belts ceramic grit



Type
Robust fabric, ceramic grit, full synthetic resin bonding. Extremely high stock removal rate, sharpens itself. Extremely durable, wear and oil-resistant, waterproof

Use
Suitable for aggressive machining of hard metal such as steel (unalloyed, low-alloyed, high-alloyed), titanium and nickel-based alloys as well as cast iron under extreme load. Suitable for automatic and robot grinding, hand grinding at the backstand/rack as well as for manual machines.



43547 - 43549

Width x length mm	Grit 24		Grit 40		Grit 60	
	43547	...	43548	...	43549	...
75 x 2000	#	101		101	#	101
150 x 2000	#	102	#	102	#	102

43550 - 43554 Endless Abrasive Belts Zirconium Corundum



Type
Robust fabric, synthetic resin bonding.
Use
Suitable for medium or heavy-duty machining of metal. Can be used with both manual machines and with a backstand.

Note:
Zirconium corundum belts sharpen themselves, are suitable for heavy-duty machining, and provide for cool grinding.



43550 - 43554

Width x length mm	Grit 40		Grit 60		Grit 80		Grit 100		Grit 120	
	43550	...	43551	...	43552	...	43553	...	43554	...
75 x 1300	#	101	#	101		101	#	101	#	101
75 x 2000		102		102		102		102		102
150 x 2000		103		103		103		103		103

43560 - 43562 Abrasive Cloth 237AA Trizact™



Type
Semi-flexible, structured grinding tool with pyramid structure. Thanks to the unique structure a very long service life and an even grinding surface are guaranteed.

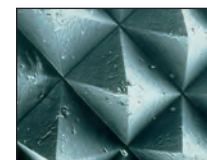
Design features: X-fabric, full resin bonding, aluminium oxide, pyramid structure, integrated grinding aid.

Use
Especially suitable for hard metal such as titanium, nickel, cobalt, chrome and stainless steel alloys.



43560 - 43562

Width x length mm	Grit 280/A65		Grit 400/A45		Grit 600/A30	
	43560	...	43561	...	43562	...
13 x 610	#	101	#	101		
20 x 815	#	102	#	102	#	102
40 x 815		103		103	#	103
50 x 2000	#	104	#	104		104
75 x 2000	#	105	#	105	#	105



Abrasive Tools / Separating Tools

43570 - 43572

Scotch-Brite™ Abrasive Fleece Belts

3M

Type

Special fleece design on flexible fabric. Cooler grinding thanks to the open design.

Use

For all stationary belt sanders for finishing and deburring projects.

43570 - 43572

Width x length mm	Grit	Eff. width max. mm	Coarse/a crs		Medium/a med		Fine/a fin	
			43570	...	43571	...	43572	...
13 x 457		1270	#	101	#	101	#	101
13 x 610		1270	#	102	#	102	#	102
20 x 815		1270	#	103	#	103	#	103
40 x 815		1270	#	104	#	104	#	104
75 x 2000		1270	#	106	#	106	#	106



43625 - 43626

Corundum Abrasive Fabric (Sheets)

VSM

Use

For hand grinding of iron, steel, and non-ferrous metals.

43625

Use

For normal working conditions, grinding of radii etc.

43625

Note:

Grit 999 = polishing cloth, levigated.

43626

Use

Extremely flexible for hand grinding of metals that require particular suppleness of the abrasive (profiles) and for high stress

43626

Grit	Dimensions mm	50 pcs.	Blue		Brown	
			43625	...	43626	...
40	230 x 280	50 pcs.		201		201
60	230 x 280	50 pcs.		202		202
80	230 x 280	50 pcs.		203		203
100	230 x 280	50 pcs.		204		204
120	230 x 280	50 pcs.		205		205
150	230 x 280	50 pcs.		206		206

Grit	Dimensions mm	50 pcs.	Blue		Brown	
			43625	...	43626	...
180	230 x 280	50 pcs.		207		207
220	230 x 280	50 pcs.		208		208
280	230 x 280	50 pcs.		209		209
320	230 x 280	50 pcs.		210		210
400	230 x 280	50 pcs.		211		211
999	230 x 280	50 pcs.		212		212



43639

Non-Woven Abrasive Corundum

ATORN®

Type

- High cutting capacity
- High flexibility
- Thanks to uniform fibre structure, long service life and optimal grinding result

Use

For matting, cleaning, roughing, rust removal. Degreasing and cleaning of surfaces
For structuring of soft wood.
For rust removal and for substrate pre-treatment of zinc and galvanizing.

43639 103-106

Degree of fineness	Grit type	Colour	Dimensions mm	10 pcs.	43639	
				
Sheet	Coarse (K280)	Aluminium oxide	Blue	150 x 210	10 pcs.	103
Sheet	Fine (K1200)	silicon carbide	grey	150 x 210	10 pcs.	106
Roll	Coarse (K280)	Aluminium oxide	Blue	115 x 10.000	-	203
Roll	Fine (K1200)	silicon carbide	grey	115 x 10.000	-	206



43639 203-206

43640 - 43641

Non-Woven Abrasive Corundum

Use

Abrasive fleece products are particularly suitable for fine abrasive work of all materials.

	Grit	Dimensions mm	10 pcs.	43640		43641	
			
Sheet	120	152 x 229	10 pcs.		101		
Sheet	320	152 x 229	10 pcs.		102		
Roll	120	115 x 10.000	-				101
Roll	320	115 x 10.000	-				102



43640

43641



43644

Scotch-Brite™ Punched Sheets

3M

Type

Easy and economical use by practical perforation of the punched sheet roll. Metallic, a pure alternative to steel wool.

Use

Suitable for manual use or with hand block (cat.-no. 43647).

43644 101-102

Multi-Flex

Type

Synthetic nylon fleece spread with abrasive grain in synthetic resin bonding.

Use

For manual cleaning. Thanks to high flexibility, particularly suitable for maintenance and cleaning of copper pipes.

43644 103-104

CF-SR

Type

Robust and effective non-woven abrasive for high removal.

Use

For all cleaning and finishing work on even surfaces. Especially suited for dash-dot matting of stainless steel.

43644 201

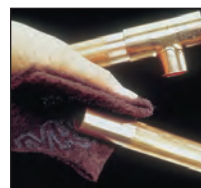
Wall mount

Use

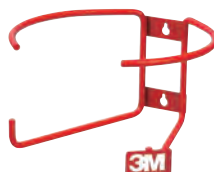
For perforated abrasive sheets (cat.-no. 43644 101-104). Sheets can be removed from the top or from the bottom.



43644 101-102



43644 103-104



43644 201



Grit	Abrasive mineral	Dimensions mm	Colour	1 Roll = sheets	43644	...
Very fine/P 320-360	Corundum	102 x 203	purple	60		101
ultra fine/P 500-600	silicon carbide	102 x 203	grey	60		102
Very fine/P 320-360	Corundum	115 x 150	purple	35		103
ultra fine/P 500-600	Corundum	115 x 150	grey	35		104
-	-	Ø 22,5 x 12,5	-	-		201



43645

Scotch-Brite™ Abrasive Fleece Sheets

3M

Type

Synthetic nylon fleece spread with abrasive grain in synthetic resin bonding.

Use

Suitable for manual use, with hand block (cat.-no. 43647) or with rubbing brick. For cleaning, deburring, finishing and pre-grinding of surfaces in metal, wood, plastics and other sectors of industry and commerce.

Grit	Abrasive mineral	Dimensions mm	Colour	10 pcs.	43645	...
Medium/P 180-220	Corundum	158 x 224	Brown	10 pcs.		101
Very fine/P 320-360	Corundum	158 x 224	Red	10 pcs.		102
Very fine/P 400-500	Silicon carbide	158 x 224	grey	10 pcs.		103
Ultra fine/P 500-600	Silicon carbide	158 x 224	grey	10 pcs.		104



43645

43646

Scotch-Brite™ Abrasive Fleece Rolls

3M

Type

Synthetic nylon fleece spread with abrasive grain in synthetic resin bonding.

Use

Suitable for manual use, with hand block (cat.-no. 43647) or with rubbing brick. For cleaning, finishing and light-duty deburring. For removing dirt, corrosion and other cleaning work as well as for matt-finishing surfaces.

Grit	Abrasive mineral	Dimensions mm x m	Colour	43646	...
Fine/P 280-320	Corundum	100 x 10	red		101
Very fine/P 320-360	Corundum	100 x 10	red		102
Ultra fine/P 500-600	Silicon carbide	100 x 10	grey		103
Medium/P 180-220	Corundum	125 x 10	red		104
Very fine/P 320-360	Corundum	125 x 10	red		105
ultra fine/P 500-600	silicon carbide	125 x 10	grey		106



43646

43647

Scotch-Brite™ Hand Block

3M

Use

For abrasive fleece sheets and rolls (cat.-no. 43644 -43646).

Dimensions mm	43647	...
120 x 80		101



43647

43650 - 43653

Abrasive Cloth on Economy Rolls



Type
Corundum fabric, brown, very flexible

Use
For hand grinding of metals. For grinding edges, curves, contours, crankshafts etc.

43650
25 mm wide, in tear-off box.

43651
40 mm wide, in tear-off box.

43652
50 mm wide, tear-off box not included.

43653
115 mm wide, tear-off box not included.



43650 - 43651



43652



43653

Width		25 mm	40 mm	50 mm	115 mm		
Grit	Roll length m	43650	...	43651	...	43652	...
							43653
40	50		101	101		101	101
60	50		102	102		102	102
80	50		103	103		103	103
100	50		104	104		104	104
120	50		105	105		105	105
150	50		106	106		106	106
180	50		107	107		107	107
240	50		109	109		109	109
320	50		111	111		111	111
400	50		112	112		112	112

43654

Abrasive Cloth Holder

Type
Wedge-shaped for mounting the abrasive cloth. Quick and safe mounting of the abrasive cloth thanks to holding bracket with clamping screw.

Use
For mounting abrasive cloth strips with a length of 280 mm (sheets or economy roll). Especially

suitable when working in hard-to-reach places. Multi-purpose use, perfect addition to regular files even in difficult working situations.

Quality
Flexible plastics.



43654



Abrasive belt width mm	Abrasive surface length mm	Total length mm	43654	...
25	125	270		101

43655

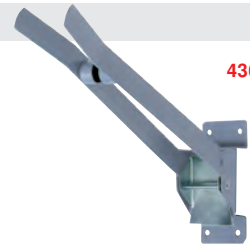
Economy Roll Holder



Type
Attached directly at workplace, economical in use thanks to tear-off function.

Use
For all economy rolls of 25 - 50 mm width and 50 m length.

			43655	...
				101



43655

43656

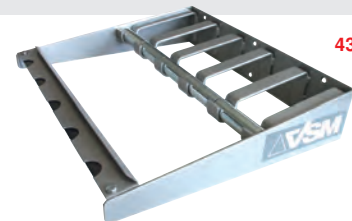
Economy Roll Magazine



Type
Robust magazine for 5 rolls. Attached directly at workplace, economical in use.

Use
For all economy rolls of 25 - 50 mm width and 50 m length.

			43656	...
				101



43656

43680

Water resistant abrasive paper (sheets)

Use
For wet sanding of varnish, paint and filler.

Quality
Silicon carbide



43680

Grit	Dimensions mm		43680	...
100	230 x 280	50 pcs.		103
120	230 x 280	50 pcs.		104
150	230 x 280	50 pcs.		105
180	230 x 280	50 pcs.		106
240	230 x 280	50 pcs.		108

Grit	Dimensions mm		43680	...
280	230 x 280	50 pcs.		109
320	230 x 280	50 pcs.		110
360	230 x 280	50 pcs.		111
400	230 x 280	50 pcs.		112
600	230 x 280	50 pcs.		113

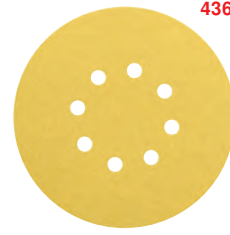
43681 Adhesive paper for AEG eccentric grinders

BOSCH

Type
 - Punched
 - With Velcro covering
 - Calcium stearate coating reduces premature clogging
Use
 For sanding of wood, paint, lacquer, filler.

43681 101-109
Use
 8 holes, suitable for eccentric grinders from Bosch, DeWalt, Festool, Makita, Metabo.
43681 201-209
Use
 6 holes, suitable for eccentric grinders from AEG, Bosch, DeWalt, Metabo, Milwaukee.

Grit	Pack = piece	Ø 125 mm		Ø 150 mm	
		43681	...	43681	...
40	50		101		201
60	50		102		202
80	50		103		203
120	50		105		205
240	50		109		209



43681 101-109



43681 201-209

43684 Grinding paper for AEG eccentric grinders



Type
 Punched, with Velcro.
Use
 Suitable for eccentric grinder AEG EX 150 ES 90 (cat.-no. 91505 102). For paint, lacquer, fine and polyester filler, plastics, primers.

Quality
 Corundum, openly spread, full synthetic resin bound, stable paper.

Grit	Ø mm	Pack = piece	43684	...
40	150	50		201
60	150	50		202
80	150	50		203
120	150	50		204
240	150	50		206



43684

43686 Grinding Paper for Delta Grinders

BOSCH

Type
 With adhesion by means of Velcro for quick exchange and extraction holes for internal dust extraction.
Use
 Suitable for Bosch Delta sander, Metabo, Makita Velcro system.
 For good and quick stock removal, excellent life time. For all kinds of wood, chip boards etc. Also suitable for metal.

Quality
 High-grade corundum with synthetic resin bonding.

Grit	Pack = piece	43686	...
40	5		101
60	5		102
80	5		103

Grit	Pack = piece	43686	...
120	5		104
60/120/240	6	#	105

(each 2 x grit 60, 120 und 240)



43686

43688 - 43689 Abrasive paper

Type
 punched. Open synthetic resin bonded corundum grinding paper (base: C-/D paper) with high stock removal at low loading.
Use
 For materials such as wood, varnish, paint, base coat, filler, plastics, aluminium.
 For Bosch orbital sander PSS 250 AE (cat.-no. 91518 201).

43688
Type
 Velcro covering not included.
43689
Type
 Velcro covering.

Grit	Pack = piece	115 x 280 mm		93 x 184 mm	
		43688	...	43689	...
60	10		101		101
80	10		102		102
120	10		103		103

Grit	Pack = piece	115 x 280 mm		93 x 184 mm	
		43688	...	43689	...
180	10		104		
240	10				105



43688 - 43689

Abrasive Tools / Separating Tools

43690 - 43695

Dry grinding paper



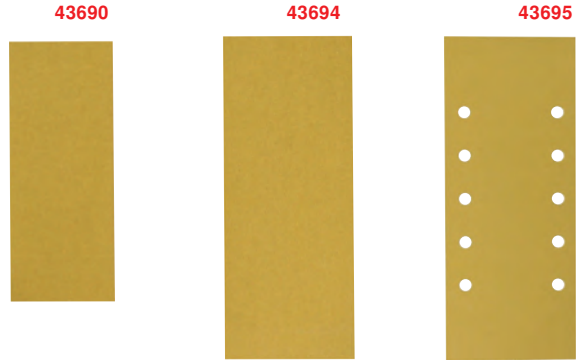
Type
Corundum, in sheets, semi-open spread, glue bonding.

Use
For orbital sanders. Broad application spectrum for machining of wood, paint and lacquer.

43690
Type
93 x 230 mm, unpunched.

43694
Type
115 x 280 mm, unpunched.

43695
Type
115 x 280 mm, punched.



grit	img	93 x 230 unpunched		115 x 280 unpunched		115 x 280 punched	
		43690	...	43694	...	43695	...
40	10 pcs.		201	#	201		201
60	10 pcs.		203	#	203		203
80	10 pcs.		204		204		204
120	10 pcs.		206		206		206
180	10 pcs.		207		207		207
240	10 pcs.		208		208		208

43696

Cork Sanding Block

Type
Made of non-porous pressed cork of best quality.

Use
For use with grinding paper, which should be wrapped around the block. The ideal hand tool for workshop and production.



43696

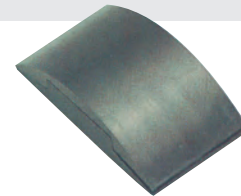
L x W x H approx. mm	43696	...
115 x 60 x 24		101

43697

Soft-PVC Sanding Blocks

Type
Sturdy black quality, with vulcanised holding pins, practical shape, with recessed grips.

Use
For clamping in abrasive cloths and abrasive papers.



43697

L x W x H mm	43697	...
120 x 70 x 32		101

43699

Universal Sanding Blocks



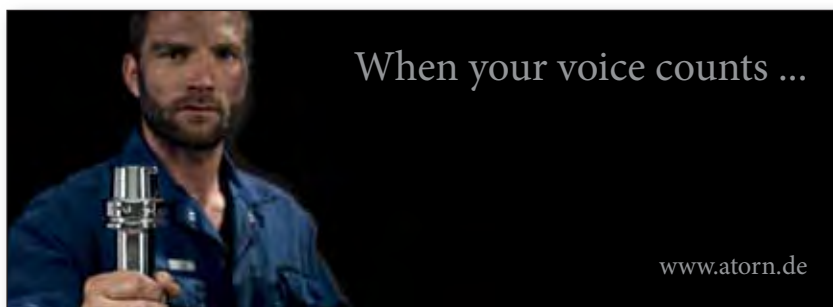
Type
Practical shape, rubber-elastic, impregnated with abrasive grains, chemical neutral, silicone-free, fairly resistant against solvents, acids and alkalis. Dry and wet use. Free of harmful substances, therefore harmless and environmentally friendly.

Use
For cleaning, smoothing and matt-finishing and rust removal. For removing oxide layers on welding and soldering seams. Suitable for all metals, wood and plastics. The ideal hand tool for workshop and production.



43699

Grit	L x W x H mm	43699	...
60 coarse	80 x 50 x 20		101
120 medium	80 x 50 x 20		102
240 fine	80 x 50 x 20		103



When your voice counts ...

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... your suggestions are heard.

ATORN®

Performance requires quality



43698

Abrasive Sponges

3M

Type

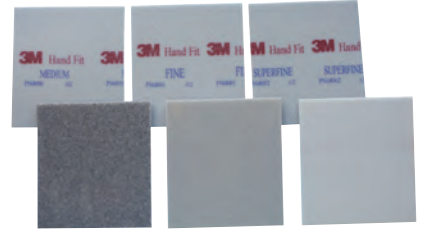
3M Handfit abrasive sponges are one-sided Soft-Pads in an economical and ergonomic Handpad size for machining moulded workpieces.

Design features: Polyurethane foam, synthetic bond.

Use

Multi-purpose abrasive sponge for wood and varnish.

43698



Grit	Abrasive mineral	Coating	Dimensions mm	43698	...
Medium/P 60	Al-oxide	1-side	90 x 100 x 5		101
fine/P 100	Al-oxide	1-side	90 x 100 x 5		102
superfine/P 220	Al-oxide	1-side	90 x 100 x 5		103

43700

Abrasive Sponges

3M

Type

Very shape effective. Ground layer foamed material, full synthetic resin bonding.

Use

For finishing work on wood, fillers and lacquered surfaces. Especially suitable for hard-to-reach and profiled surfaces.

43700



Grit	Abrasive mineral	Coating	Dimensions mm	43700	...
fine/P 100	Corundum	4-side	68 x 100 x 26		101
Medium/P 60	Corundum	4-side	68 x 100 x 26		102
fine/P 100	silicon carbide	2-side	98 x 125 x 13		103

43701 - 43703

Fibre Abrasive Discs

VSM

Type

Vulcanised fibre-backed discs,

Normal corundum coating,

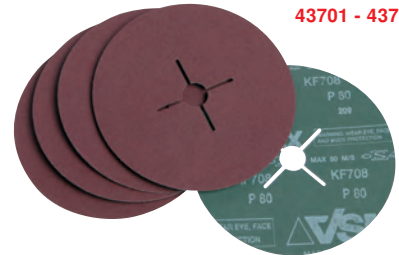
all-resin bonded,

Cross-slotted hole 22 mm.

Use

For coarse and fine sanding on flat and curved parts. For use on high-speed angle grinders (max. working speed 80 m/s) in conjunction with a backing pad, cat.-no. 43740 and 43744.

43701 - 43703



Grit	115 mm Ø	125 mm Ø		180 mm Ø	
		43701	43702	43703	...
16	25 pcs.	101		101	
24	25 pcs.	102	102	102	
36	25 pcs.	104	104	104	
40	25 pcs.	100	100	100	
50	25 pcs.	105	105	#	105

Grit	115 mm Ø	125 mm Ø		180 mm Ø	
		43701	43702	43703	...
60	25 pcs.	106	106	106	106
80	25 pcs.	107	107	#	107
100	25 pcs.	108	108	108	108
120	25 pcs.	109	109	109	
150	25 pcs.	110	110		

43706 - 43708

Fibre Abrasive Discs (ceramic grit)

VSM

Type

Fibre disc with **highest and most aggressive abrasive performance** at longest service life. Ceramics grit, cool grinding. Cross-slotted hole 22 mm.

Use

For any kinds of steel, very high-temperature strength Ni-alloys and CrNi-steel. Suitable for high-RPM angle grinders if used in conjunction with a backing pad, cat.-no. 43740 and 43744.

43706 - 43708



Grit	115 mm Ø	125 mm Ø		180 mm Ø	
		43706	43707	43708	...
24	50 pcs.	#	101	101	# 101
36	50 pcs.		102	102	# 102

Grit	115 mm Ø	125 mm Ø		180 mm Ø	
		43706	43707	43708	...
60	50 pcs.		103	103	# 103
80	50 pcs.	#	104	104	# 104

43715 - 43717

Fibre Abrasive Discs (ceramic grit) Cubitron™ II

3M

Type

- To make grinding processes more efficient, 3M has developed the Cubitron™ II generation of abrasive grit, and has brought the ceramic high-performance grit into a defined, geometric form
- The extremely sharp abrasive surface convinces through hitherto unknown removal rates and service life
- The advantages of the Cubitron™ II offer benefits for all metal processing firms, structural steelwork, tank construction, specialised welding firms, foundries and forges
- They advantageously replace conventional fibre discs, as well as flat grinding tasks of roughing discs and flap discs
- Cross-slotted hole 22 mm.

Use

- Weld seam preparation/removal
- Processing of cast parts
- Chamfering prior to welding
- General removal tasks

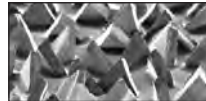
For use on high-speed angle grinders (max. working speed 80 m/s) in conjunction with a backing pad, cat.-no. 43717.

43715
982C Cubitron™ II

Use
On steel, tool steel and non-ferrous metals.

43716
987C Cubitron™ II

Use
A binder additive reduces the grinding temperature (grinding aid). The cooler grind that thus occurs sets new standards, particularly for stainless steels, nickel alloys, and for titanium with poor thermal conductivity properties.

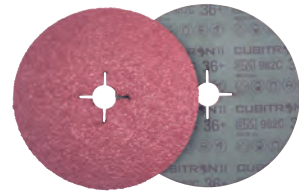


Abrasive grit Cubitron™ II

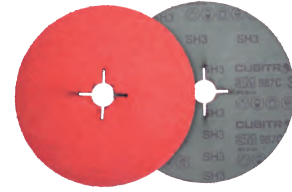


Conventional ceramic grit

Grit	Ø mm	982C		987C		Packing pad	
		43715	...	43716	...	43717	...
36	115		101		101		
36	125		102		102		
36	178		103	#	103		
60	115	#	201	#	201		
60	125		202		202		
60	178	#	203	#	203		
80	115	#	301	#	301		
80	125		302		302		
80	178	#	303	#	303		
-	115						101
-	125						102
-	178						103



43715



43716



43717

43717
Backing pad

Use
The backing pad especially developed for Cubitron™ grinding discs (cat.-no. 43715-43716) impressively contributes to the overall result. Combined with an angle grinder and the 3M 982C and 987C fibre discs, this ribbed, newly designed backing pad achieves level of stock removal that is twice as high as that achieved with conventional products (actual grinding results depend on the respective application process).

43728 - 43730

Fibre Abrasive Discs (Pro-Active Abrasives)

VSM

Type

Very stable and resistant vulcanised fibre disc, brown corundum coating, full resin bonding with pro-active abrasive additives. No cracks or breaks while sanding edges, cool grinding, high stock removal, long life time.

Use

For manual **pre, intermediate and finish grinding**. For grinding alloyed rust, acid and heat-resistant steel, stainless steel containers. For use with all compressed-air or electrically driven pad grinders and angle grinders in conjunction with a backing pad, cat.-no. 43740 and 43744.

Grit	115 mm Ø	125 mm Ø	180 mm Ø	...	
					43728
36	25 pcs.	101	101	101	
50	25 pcs.	098	#	098	
60	25 pcs.	102	102	102	

grit	115 mm Ø	125 mm Ø	180 mm Ø	...	
					43728
80	25 pcs.	103	103	#	103
100	25 pcs.	104	104	#	104
120	25 pcs.	105	105	#	105



43728 - 43730

43734 - 43736

Heavy-Duty Fibre Discs (Combination Grain)

VSM

Type

Very stable and resistant vulcanised fibre disc, **zirconium corundum**, normal spread, full synthetic resin bonding. No tearing or shearing while grinding edges, **continuous self-sharpening**, cool grinding, **longer service life**, aggressive abrasive performance even at low contact pressure.

Use

For manual **pre, intermediate and finish grinding**. Grinding of unalloyed steels, grey cast iron, non-ferrous metals, etc. For use with all compressed-air or electrically driven pad grinders and angle grinders in conjunction with a backing pad, cat.-no. 43740 and 43744.

Grit	115 mm Ø	125 mm Ø	180 mm Ø	...		
					43734	...
24	25 pcs.	#	101	101	101	
36	25 pcs.	#	102	102	#	102
40	25 pcs.		103	103	103	

Grit	115 mm Ø	125 mm Ø	180 mm Ø	...	
					43734
60	25 pcs.	104	104	104	
80	25 pcs.	105	105	#	105



43734 - 43736

43739 Holders for Fibre Discs



Use
 For clean storage of fibre abrasive discs.

For fibre discs to Ø mm	Cross-slotted hole Ø mm	43739	...
235	22	#	101



43740 Backing Pads (Abrasive Pads)

Type
 Plastics. Incl. Clamping nut.

Use
 For fibre discs cat.-no. 43701 - 43736.

For fibre-disc Ø mm	Chuck Ø mm	43740	...
115	M14 112		101
125	M14 125		102
180	M14 178		103



43744 Turbo Backing Pads

Type
 Plastics. Incl. Clamping nut. **Cooling ribs** on surface **and ventilation holes** in the backing pad provide permanent cooling during grinding.

Advantages:

Extraordinarily cool grinding. Considerably longer service life, up to 5 times longer than conventional backing pads. Extremely warp-proof.

Use
Particularly suitable for stainless steel. Even stock removal of the fibre disc. Higher abrasive performance. Less consumption of fibre discs. For fibre discs cat. -no. 43701 - 43736.

For fibre-disc Ø mm	Clamping nut Ø mm	43744	...
115	M14 112		101
125	M14 125		102



43748 - 43749 Hook-and-loop abrasive discs



Type
 Normal corundum coating, synthetic resin bonding, reverse with looped velour pad.

Use
 For backing pad cat.-no. 43760.

Note:
Quick exchange of discs, no screws, no glues. Just remove the disc from the backing pad and press the new disc onto the centre of the backing pad.

Grit	50 pcs.	115 mm Ø		125 mm Ø	
		43748	...	43749	...
40	50 pcs.		101		101
60	50 pcs.		102		102
80	50 pcs.		103		103
120	50 pcs.		104		104



43760 Hook-and-loop backing pads



Type
 Hook side with mushroom head fabric, which securely holds the loop velour pad, even under heavy use.

Use
 For connecting thread M 14.
 For Velcro grinding disks cat.-no. 43748 - 43749.

Ø mm	43760	...
115		101
125		102



Abrasive Tools / Separating Tools

43720


Scotch-Brite™ Velcro Non-Woven Discs**3M****Type**

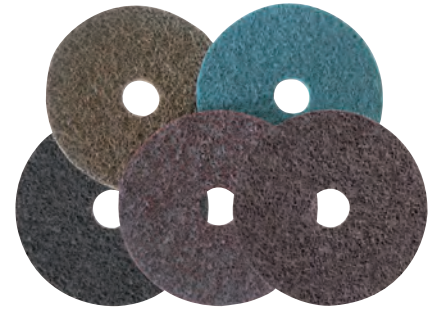
With fabric substrate, removable centring core for more precise positioning and adhesion on the backing pad; vibration is considerably reduced.

Use

For reduction of surface roughness after grinding, removal of tempering colours and finishing of weld seams. On angle grinders, exclusively with Velcro backing pad see cat.-no. 43722

43720

Grit		115 mm Ø		125 mm Ø	
		43720	...	43720	...
Extra coarse/P 50	20 pcs.		101	#	201
Extra coarse/P 80	20 pcs.	#	102	#	202
Coarse/P 100-120	20 pcs.		103		203
Medium/P 180-220	20 pcs.		104		204
Fine/P 360	20 pcs.		105		205



43722

Velcro centring backing pad**3M****Type**

With centring. With double-T hook system for secure hold of the Velcro non-woven discs.

Use

For connecting thread M 14.
For Velcro Non-Woven Discs cat.-no. 43720.

43722

Ø mm	43722	...
115		101
125		201



43754 - 43755


Non-Woven Abrasive Sheets**Type**

Compact, high-performance fleece design without centre hole.

Use

For surface finishing, precision grinding, light-duty deburring, removing small irregularities in metal surfaces. **Rec. peripheral speed: 10-25 m/s.**
For backing pad cat.-no. 43745.

43754 - 43755

Grit	Recommended peripheral speed m/s		115 mm Ø		125 mm Ø	
			43754	...	43755	...
100	10 - 25	10 pcs.		101		101
280	10 - 25	10 pcs.		102		102



43745

Special Velcro backing pads**Type**

With special Velcro fabric.

Use

For connecting thread M 14.
For Velcro grinding disks cat.-no. 43754 - 43755.

43745

Ø mm	43745	...
112		101
123		102



43761 - 43762

Angle Grinder Mops (brown corundum)**Type**

Synthetic resin bonding. Quick, simple clamping thanks to integrated internal thread M 14.

Use

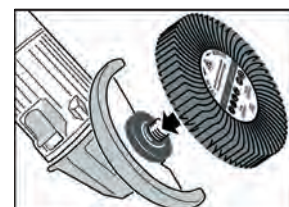
For all standard angle grinders. For grinding, deburring, cleaning of steel, stainless steel, varnish, filler, paint, plastics, wood. Perfect for working in hard-to-reach places. Not permitted for wet grinding.

Quality

Normal corundum.

43762

Grit	Width mm	Max. permis. speed RPM	Max. working- speed m/s	115 mm Ø		125 mm Ø	
				43761	...	43762	...
40	20	13.300	80	#	101		
60	20	13.300	80	#	102		
80	20	13.300	80		103		
40	20	12.200	80				101
60	20	12.200	80				102
80	20	12.200	80				103



Abrasive flap discs

43764 - 43765

Abrasive Flap Discs (Normal Corundum)

ATORN®

Type

Slightly arched shape. Setting angle approx. 8°. Low noise level, even grinding surface up to full use, less time for setting, cool grinding. Optimal usage of the abrasive disc on profiles and surfaces. Multi-layer, **straight glass-fibre pad**, safe and dimensionally stable, **normal corundum flaps** evenly set. The positioning of the flaps provides high flexibility and consistently good abrasive performance.

Use

For all angle grinders. For coarse and intermediate grinding of welds, deburring, rust removal, and internal grinding of containers. Particularly recommended for work on aluminium, non-ferrous metal and unalloyed steels as well as heat-sensitive materials.

Note:

When working with a working angle of 15-20°, the arched shape of the flap disc allows grinding in hard-to-reach places.

43764 - 43765



Grit	115 mm Ø	115 mm Ø		125 mm Ø	
		43764	...	43765	...
40	10 pcs.		101		101
60	10 pcs.		102		102
80	10 pcs.		103		103

43766 - 43769

Abrasive Flap Discs (normal brown corundum SG-Cool)

PFERD



Type

In compliance with EN 13743. Maximum working speed 80 m/s, bore 22,23 mm Ø. High abrasive performance and extraordinary surface finish in one operation. Less set-up time, extremely long service life and continuously high stock removal. Continuously high abrasive performance up to full use. Soft grinding, cool surface, no loading. Low-noise, low-vibration and low-exhaustion working.

Note:

The conical shape offers advantages when working with a larger working angle (15-30°). Softer grinding, cooler surface thanks the relatively small contact surface. The special shape favours the work on concave surfaces.

43766 - 43769



43768 - 43769

Type

Flat shape.

Use

Universal use on all materials, e.g. on alloyed and unalloyed steel, construction steel, tool steel, high-speed steel, stainless steels and acid resistant steels, non-ferrous metals, e.g. aluminium, brass, etc. plastics and wood.

43766 - 43767



43766 - 43767

Type

Conical shape.

Use

Especially suitable for cool surface grinding of stainless steel (materials with a low heat conductivity), alloys with very high-temperature strength (hard to machine materials) and aluminium alloys.

Recommendation:

Grit 40: aluminium, soft metal, wood and plastics.

Grit 60: high-alloyed, corrosion-resistant, with high-temperature strength and tempered steel.

Grit 80: alloys with very high-temperature strength.

Quality

Normal corundum with pro-active abrasive additives.

Recommendation:

Grit 40: aluminium, unalloyed and low-alloyed steel, corrosion-resistant steel of low strength.

Grit 60: high-alloyed, corrosion-resistant, with high-temperature strength and tempered steel.

Grit 80: alloys with very high-temperature strength.

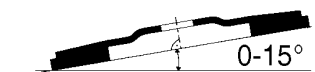
Quality

Normal corundum.

Note:

The flat shape offers advantages when working with a lower working angle (0-15°). Largest possible contact surface, therefore particularly suitable for planing large surfaces.

43768 - 43769



Grit	115 mm Ø	125 mm Ø		115 mm Ø		125 mm Ø	
		43766	...	43767	...	43768	...
40	10 pcs.		101	101	#	101	101
60	10 pcs.		102	102		102	102
80	10 pcs.		103	103		103	103



43756 - 43757

Abrasive flap discs (zirconium corundum/corundum)

HW

Type

Bevelled shape. Setting angle approx. 12°. Base pad of glass fibre fabric. Zirconium corundum/corundum flaps used evenly. The arrangement of the

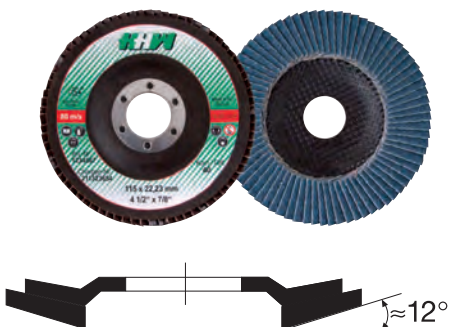
flaps provides **high flexibility** and uniformly **high abrasive performance.**

Use

For metal processing, particularly suitable for surface grinding.

43756 - 43757

Grit	Bore Ø mm	Max. permis. speed RPM	Max. working speed m/s	115 mm Ø	115 mm Ø		125 mm Ø	
					43756	...	43757	...
40	22,2	13.300	80	10 pcs.		101		
60	22,2	13.300	80	10 pcs.		102		
80	22,2	13.300	80	10 pcs.		103		
40	22,2	12.200	80	10 pcs.				101
60	22,2	12.200	80	10 pcs.				102
80	22,2	12.200	80	10 pcs.				103



Abrasive Tools / Separating Tools

43741

Abrasive Flap Discs (HighTech zirconium fabric)

ATORN®

Type


- HighTech zirconium fabric for incredible abrasive performance on steel / stainless steel
- Trims itself when grinding (grinding to the last grit!)

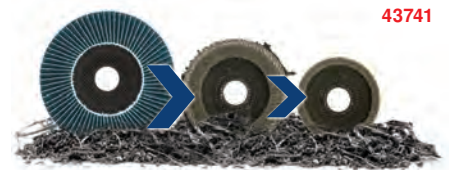
- Noise and vibration damping, as well as heat absorbing backing pad (natural fibre)
- Natural fibre compound backing pad protects the environment and user (CO₂-neutral)
- Visco-elastic backing pad for optimal workpiece adaptation and clean grinding pattern

- Slightly angled (5° angle)
- No longer danger of injury due to splintered fibre
- Significantly reduces work steps at the highest capacity level

Use

Quality flap disc for the machining of steel and stainless steel.

Grit	Max. permis. speed RPM		115 mm Ø		125 mm Ø	
			43741	...	43741	...
40	13.200	10 pcs.		101		
60	13.200	10 pcs.		102		
80	13.200	10 pcs.		103		
120	13.200	10 pcs.		104		
40	12.200	10 pcs.				201
60	12.200	10 pcs.				202
80	12.200	10 pcs.				203
120	12.200	10 pcs.				204



Can be trimmed to the last millimetre!



43770 - 43771

Abrasive Flap Discs (Zirconium Corundum)

ATORN®

Type


Bevelled shape. Setting angle approx. 12°. Cool grinding abrasive flap disc with **bevelled backing pad made of glass fibre material.** Optimal abrasive effects and very long service life thanks to a high amount of top quality **zirconium corundum.** The disc keeps its stability, even when grinding edges.

Use

Also suitable for machining curved surfaces, and contours in the steel, stainless steel, cast iron, non-ferrous metal area. Further working applications on wood, plastic, lacquer and filler substances. No damage of workpiece possible by backing pad.

Note:

When working with a working angle of 15-20°, the slanted shape of the flap disc allows grinding in hard-to-reach places.

Grit		115 mm Ø		125 mm Ø	
		43770	...	43771	...
40	10 pcs.		101		101
60	10 pcs.		102		102
80	10 pcs.		103		103



43772 - 43773

Abrasive Flap Discs (Zirconium Corundum), Plastic Backing Pads

ATORN®


Type

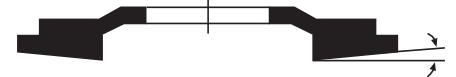
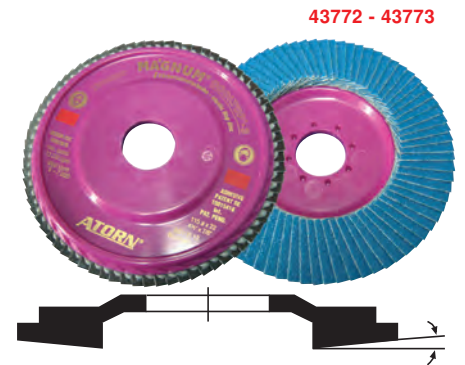
Slightly bent, therefore high flexibility. Cooler grinding thanks to additional cooling material. 50% more abrasive capacity, thus less

time-intensive **No more fibreglass dust with the new food safe backing pad.** Peripheral speed 80 m/s.

Use

For steel, VA, non-ferrous metals, cast iron, etc.

Grit		115 mm Ø		125 mm Ø	
		43772	...	43773	...
40	10 pcs.		101		101
60	10 pcs.	#	102		102
80	10 pcs.	#	103		103
120	10 pcs.		104		104



43776 - 43778

Abrasive Flap Discs (Zirconium Corundum)

ATORN®

Type


Slightly arched shape. Setting angle approx. 8°. Low noise level, even grinding surface up to full use, less time for setting, cool grinding. Optimal usage of the abrasive disc on profiles and surfaces. Multi-layer, **straight glass-fibre pad,** safe and shape stable, **zirconium corundum flaps** evenly set. The positioning of the flaps provides high flexibility and consistently good abrasive performance.

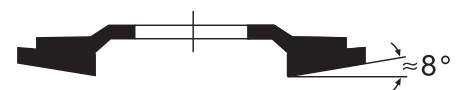
Use

For all angle grinders. For coarse and intermediate grinding of welds. For deburring, rust removal, and internal grinding of containers. For iron, mild steel, stainless steel, alloyed steels, non-ferrous metals, plastics, lacquers, paints

Note:

When working with a working angle of 15-20°, the arched shape of the flap disc allows grinding in hard-to-reach places.

Grit		115 mm Ø		125 mm Ø		178 mm Ø	
		43776	...	43777	...	43778	...
40	10 pcs.		101		101		101
60	10 pcs.		102		102		102
80	10 pcs.		103		103		103



Abrasive flap discs

43782 - 43783

Abrasive Flap Discs (Zirconium Corundum)

ATORN®

Type

Straight type. Low noise level, even grinding surface up to full use, less time for setting, cool grinding. Optimal usage of the abrasive disc on profiles and surfaces. Multi-layer, **straight glass-fibre pad**, safe and shape stable, **zirconium corundum flaps** evenly set. The arrangement ensures high flexibility and uniformly high abrasive performance

Use

For all angle grinders. Face and surface grinding of welds. For deburring, rust removal, and internal grinding of containers. For iron, mild steel, stainless steel, alloyed steels, non-ferrous metals, plastics, lacquers, paints

43782 - 43783



Grit		115 mm Ø		125 mm Ø	
		43782	...	43783	...
40	10 pcs.		101		101
60	10 pcs.		102		102
80	10 pcs.		103		103

43790 - 43791

Abrasive flap discs (ceramic grit)

ATORN®

Type

Slightly bevelled shape. Setting angle approx. 8°. With self-sharpening ceramic grit, which allows for a permanent, extremely high stock removal rate and guarantees a long service life. The ceramic grit is backed by a robust pad made of polyester. Full synthetic resin bonding with active grinding additives guarantees the high wear resistance of the grit even under high load. Cool grinding on surfaces and edges.

Use

Perfect for extreme grinding projects or special projects such as the machining of high-alloyed steel, titanium alloys, nickel-based alloys, chrome and chrome-nickel steel, brass, and bronze. Applications: Sheet metal processing, tank construction, cast parts, hand tools, tubes and bars, metal constructions.

43790 - 43791



Grit		115 mm Ø		125 mm Ø	
		43790	...	43791	...
40	10 pcs.		201		201
60	10 pcs.		202		202
80	10 pcs.		203		203

43737

Abrasive Flap Discs (ceramic grit) Cubitron™ II

3M

Type

- To make grinding processes more efficient, 3M has developed the Cubitron™ II generation of abrasive grit, and has brought the ceramic high-performance grit into a defined, geometric form
- The extremely sharp abrasive surface convinces through hitherto unknown removal rates and service life
- The advantages of the Cubitron™ II offer benefits for all metal processing firms, structural steelwork, tank construction, specialised welding firms, foundries and forges
- They advantageously replace conventional fibre discs, as well as flat grinding tasks of roughing discs and flap discs

- Faster material removal and longer service life
- Fast, cool grind and optimised grinding processes
- Bevelled glass fabric pad

Use

- For stainless steel and construction steel:
- Free-form parts
 - Metal surfaces
 - Simple weld seams
 - Cylinders



Abrasive grit Cubitron™ II



Conventional ceramic grit



43737

Grit	Bore Ø mm	Max. working-speed m/s	115 mm Ø		125 mm Ø	
			43737	...	43737	...
40	22,2	80		101		104
60	22,2	80		102		105
80	22,2	80		103		106

Abrasive Tools / Separating Tools

43763

Zirconium corundum abrasive flap disc (no backing pad)



SLTflex

Type

In compliance with DIN EN 13743. Enables a soft grinding, the extremely high covering density ensure a hitherto unattained service life (at least 20x the service life of fibre discs). High-quality abrasive cloth (base: polyester) with grinding top bonding (zirconium corundum). Patented flap design and arrangement (more grit is used), approx. 70% of the grinding material is in the outer area. Clamping nut not required. Can be directly screwed onto the angle grinder

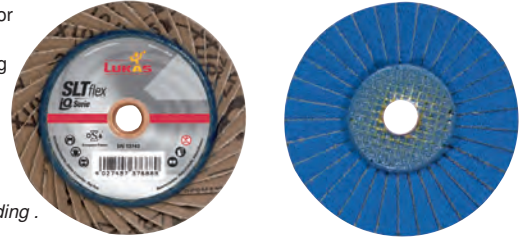
Use

For almost all materials such as structural steel, stainless steel, high-alloyed steel, aluminium. For tasks in hard-to-reach places, radii, sheet metal and car bodies, for machining welds, processing of weld seams, deburring, cleaning, polishing, rust removal.

Note:

ZK = zirconium corundum.
ZKS = zirconium corundum with active top bonding.

43763



Grit	Type of abr. cloth	Max. permis. speed RPM	Max. working-speed m/s	Threaded receptacle	Image	115 mm Ø		125 mm Ø	
						43763	...	43763	...
40	ZKS	13.300	80	M14	10 pcs.	#	101		
60	ZKS	13.300	80	M14	10 pcs.	#	102		
80	ZK	13.300	80	M14	10 pcs.	#	103		
120	ZK	13.300	80	M14	10 pcs.	#	104		
40	ZKS	12.200	80	M14	10 pcs.				201
60	ZKS	12.200	80	M14	10 pcs.				202
80	ZK	12.200	80	M14	10 pcs.			#	203
120	ZK	12.200	80	M14	10 pcs.			#	204

43774 - 43775

Abrasive Flap Discs (Zirconium Corundum)



LSZ-F Vision

Type

Bevelled shape. View holes ensure free view of the workpiece to the processed and cool grinding. Minimises blue colouration and material warpage. Free of iron and sulphur.

Use

For machining thin sheet metal in car-body construction, grinding of edges and surfaces, deburring and rust removal, working on welds and for machining recessed sheet metal. Also suitable for machining curved surfaces. For the processing of stainless steel, steel, as well as non-ferrous metals. For smoothing wood, plastics, lacquers and filler.

43774 - 43775



Grit	Bore Ø mm	Max. permis. speed RPM	Max. working-speed m/s	Image	115 mm Ø		125 mm Ø	
					43774	...	43775	...
40	22,23	13.285	80	10 pcs.			101	
60	22,23	13.285	80	10 pcs.			102	
80	22,23	13.285	80	10 pcs.			103	
40	22,23	12.200	80	10 pcs.				101
60	22,23	12.200	80	10 pcs.				102
80	22,23	12.200	80	10 pcs.				103

43742 - 43743

Abrasive flap discs POLIFAN®-CURVE (zirconium corundum)



Type

In compliance with EN 13743. Radial design (PFR). Special arrangement of the abrasive flaps offers significant advantages for the complex and demanding processing of fillet welds. Quick and aggressive grinding thanks to the high stock removal rate. Precise and perfect grinding of the fillet welds. Warp-proof for high-quality results. Extraordinary service life while machining fillet welds. Maximum utilisation of the radius of the abrasive material.

Use

For machining steel, stainless steel (INOX). For grinding fillet welds, for bevelling and deburring.

Note:

Best results will be produced if powerful angle grinders are used.

43742 101 + 43743 101

Use

For fillet weld radii > 5 mm.

43742 102 + 43743 102

Type

For fillet weld radii > 8 mm.

43742 - 43743



Fillet weld width mm	Grit	Bore Ø mm	Max. working-speed m/s	Image	115 mm Ø		125 mm Ø	
					43742	...	43743	...
> 5	40	22,23	80	10 pcs.			101	101
> 8	40	22,23	80	10 pcs.			102	102



Abrasive flap discs | Polishing flap discs

43746 - 43747

Abrasive Flap Discs POLIFAN®-CURVE (zirconium grit)

PFERD



SGP CO-CURVE

Type

In compliance with EN 13743. Radial design (PFR). The ceramic grit guarantees an extremely cool grind on materials with poor thermal conductivity and thus optimal grinding results without thermal damage of the workpiece.

Use

High-performance tool for demanding grinding tasks, particularly for achieving finer surfaces. Materials that can be processed: Stainless steel (INOX), steel. Work step: Fillet weld grinding, chamfering, deburring

43746 101 + 43747 101

Use

For fillet weld radii > 5 mm.

43746 102 + 43747 102

Use

For fillet weld radii > 8 mm.

43746 - 43747



Fillet weld width mm	Grit	Bore Ø mm	Max. working-speed m/s	115 mm Ø		125 mm Ø	
				43746	...	43747	...
> 5	60	22,23	80			101	101
> 8	60	22,23	80	#		102	102

43758 - 43759

Abrasive Flap Discs (Zirconium Corundum)

LUKAS

V2 Power

Type


Fiat slanted shape. High-strength glass-fibre pad, therefore soft grinding performance. Extraordinary machining performance. Improved abrasive performance thanks to the new arrangement of the flaps (up to 6 layers above each other, 70% of the grinding material is in the outer area). **Long service life, extraordinary stock removal, less abrasive consumption and work effort.**

Use

Optimised for multi-purpose use with aluminium and various kinds of steel. Perfect for machining welds, for deburring, cleaning, smoothing, rust removal.

43758 - 43759



Grit	Bore Ø mm	Max. permis. speed RPM		115 mm Ø		125 mm Ø	
				43758	...	43759	...
40	22,23	13.300	10 pcs.			101	
60	22,23	13.300	10 pcs.	#		102	
40	22,23	12.200	10 pcs.				101
60	22,23	12.200	10 pcs.				102

43779 - 43781

Abrasive Flap Discs (Zirconium Corundum)

LUKAS

SLTT

Type

Straight type. Extraordinary machining performance, extremely long service life. Robust, quiet, and low-vibration backing pad made of steel. **Patented flap design and arrangement** (more grit is used). **More than 70% of the grit is situated in the outer area of the backing pad.** Up to six grinding layers are arranged on top of each other. Extremely robust grit with high compression hardness.

Use


Optimised for multi-purpose use with aluminium and various kinds of steel. Perfect for machining welds, for deburring, cleaning, smoothing, rust removal.

Note:

Usage of the straight shape e.g. when grinding edges and surfaces with a working angle of 0-15°.

43779 - 43781



Grit	Bore Ø mm	Max. permis. speed RPM		115 mm Ø		125 mm Ø		178 mm Ø	
				43779	...	43780	...	43781	...
40	22,23	13.300	10 pcs.			101			
60	22,23	13.300	10 pcs.			102			
40	22,23	12.200	10 pcs.					101	
60	22,23	12.200	10 pcs.					102	
40	22,23	8.500	10 pcs.					#	101
60	22,23	8.500	10 pcs.					#	102

43752 - 43753

Abrasive Flap Discs (Zirconium Corundum)



Type

Abrasive flap disc for professional use
Arched type. **Extraordinary service life** and
machining performance. Abrasive flap disc of
fibreglass fabric artificial resin bond.

Use

For heavy-duty application when machining edges
and weld seams. Perfect for steel machining. For all
angle grinders without backing pads.

43752 - 43753

Grit	Bore Ø mm	Max. permis. speed RPM	Max. working- speed m/s	115 mm Ø		125 mm Ø	
				43752	...	43753	...
40	22,2	13.300	80	10 pcs.	#	101	
60	22,2	13.300	80	10 pcs.	#	102	
80	22,2	13.300	80	10 pcs.	#	103	
40	22,2	12.200	80	10 pcs.		#	101
60	22,2	12.200	80	10 pcs.			102
80	22,2	12.200	80	10 pcs.			103



Abrasive Tools/
Separating Tools

43794

Abrasive Flap Discs (multi-hybrid abrasive cloth)



Type

- World's first multi-function abrasive flap disc for all metals!
- Saves lots of time thanks to highly aggressive multi-hybrid abrasive fabric
- Stock removal like grit grinding pattern like 50 / 60
- Effective immediately, only one grit is necessary!
- No annealing colours due to heat accumulation
- Clean grinding pattern due to resilient elasticity
- Slightly angled (5° angle)

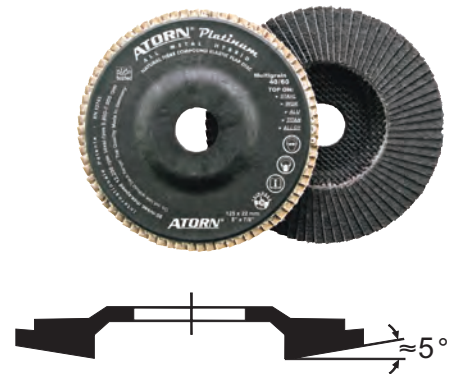
- Trims itself when grinding (grinding to the last grit!)
- Vibration damping and heat absorbing backing pad (natural fibre)

Use

The ultimate abrasive flap disc with multi-hybrid abrasive grit for maximum removal on all metals. Maximum performance on INOX, steel, aluminium, titanium, bronze, brass, etc.

43794

Grit	Max. permis. speed RPM	10 pcs.	115 mm Ø		125 mm Ø	
			43794	...	43794	...
multi-grain 40 / 60	12.200	10 pcs.		101		201



43792 - 43793

Polishing flap discs



Type

- Innovative, highly effective non-woven abrasive in fan-shape flap structure

Use

- Depending on the degree of fineness optimally suited for
 - Removing scale and rust from stainless steel, steel, aluminium and non-ferrous metal workpieces
 - Preparing and re-polishing weld seams
 - Preparing painted surfaces
 - Polishing stainless steel
 - Surface processing.
- Can be used on all angle grinders without backing pad for edge and surface grinding.

43792 - 43793

Grit	Bore Ø mm	Max. working- speed m/s	115 mm Ø		125 mm Ø	
			43792	...	43793	...
coarse	22,23	80	#	201		201
medium	22,23	80	#	202		202
fine	22,23	80		203		203



43784

Non-woven/cloth abrasive flap discs



Type

Straight type. Base disc made with renewable primary products, grinding element made of cotton fabric. Low noise, vibration-damping, no heat transmission, no electrical conductivity.

Use

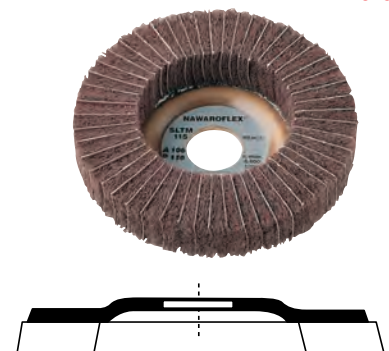
For paint removal, rust removal (**A=Aluminium oxide**). Can only be used with a regulated angle grinder. **Mainly for surface finish.** For the activation of surface as a preparation for coating, varnishing and gluing.

43784

Note:

Usage of the straight shape e.g. when grinding edges and surfaces with a working angle of 0-15°.

Grit	Ø mm	Max. permis. speed RPM	Max. working- speed m/s	43784	...
A 104/80	115	4.900	30		101
A 106/150	115	4.900	30		102
A 107/240	115	4.900	30	#	103



43786 - 43787

Non-Woven Discs



Type
Straight type. Base disc made with renewable primary products, grinding element made of cotton fabric. Low-noise, low-vibration, no transmission of grinding heat, no electrical conductivity.

Use
 Can only be used with a regulated angle grinder.
Mainly for surface finishing and fine-grinding. For the activation of surface as a preparation for coating,

varnishing and gluing. Slightly more aggressive and better wear resistance than cat.-no. 43784-43785.

- 43786 Use**
For paint removal, rust removal (**A=Aluminium oxide**).
- 43787 Use**
For descaling (**SIC=Silicon Carbide**)

43786 - 43787



Grit	Max. permis. speed RPM	Max. working-speed m/s	115 mm Ø/A		115 mm Ø/SIC	
			43786	...	43787	...
104/medium	4.900	30			101	
106/fine	4.900	30			102	102
107/very fine	4.900	30			103	103

Note:
 Usage of the straight shape e.g. when grinding edges and surfaces with a working angle of 0-15°.

43795

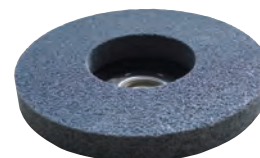
Polishing grinding pad



Type
Slanted type. The fibre fleece design prevents loading of the tool, the high service life and the low wear on the edges improve productivity.

Use
 Ideal for the processing of stainless steels, aluminium and other non-ferrous metals. For deburring, cleaning and polishing.

43795



Hardness	Ø mm	Bore Ø mm	Max. permis. speed RPM	SIC fine	
				43795	...
soft	115	22,23	8.350		201
medium	115	22,23	8.350		202

43800 - 43801

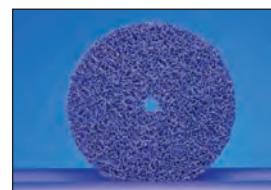
Scotch-Brite™ Rough Cleaning Discs XT-DC and CG-DC



Use
 Removing rust and paint, cleaning of weld seams, removal of heavy surface contamination and coatings. Is used radially. Use on straight grinder, flexible shaft or drill.

43800 200+203 Type
 More flexible than IXT, aggressive, open structure, does not clog. **Mounting arbor** not included.

43800



43801 201-202 Type
 Stable edge, aggressive, open structure, does not clog. **Mounting arbor** not included.

43801 Mounting arbors Use
 For clamping of 1 or 2 rough cleaning wheels XT-DC / CG-DC and 1 or 2 polishing and deburring brushes Bristle Brush™ (cat.-no. 47400) on straight grinder, flexible shaft or drill.



Type	Ø mm	Grit	Working width mm	Recommended RPM	Max. permis. speed RPM	Pack = piece	Qty. discs	Shank Ø mm	Grinding wheel		Mounting arbor	
									43800	...	43801	...
XT-DC	100	extra coarse/P 60-80	13	3.500-4.000	6.000	2	-	-	#	201		
XT-DC	150	extra coarse/P 60-80	13	2.400-2.700	4.000	2	-	-	#	202		
CG-DC	100	extra coarse/P 60-80	13	3.500-4.000	6.000	2	-	-	#	200		
CG-DC	150	extra coarse/P 60-80	13	2.400-2.700	4.000	2	-	-		203		
-	-	-	-	-	-	-	1	6				101
-	-	-	-	-	-	-	2	8			#	102

43803

POLICLEAN® Shank Cutting Tools



Type
 Coarse abrasive cleaning fleece made of a special combination of synthetic fibres and grit.

Use
 Multi-purpose use for circumference grinding. Flexible shafts, electrical and compressed air can be used as drive units.

43803



Ø x Width mm	Shank Ø mm	Recommended RPM	Max. permis. speed RPM	43803	...
50 x 13	6	6.000-7.000	15.000		101
50 x 26	6	6.000-7.000	15.000		102
75 x 13	6	4.000-5.100	10.000	#	103
75 x 26	6	4.000-5.100	10.000		104
100 x 13	6	3.000-3.800	7.500	#	105

43805

Scotch-Brite™ Fleece Grinding Wheels CG-R and XT-RD

3M

43805 201

Type

Fibre fleece with extremely hard **silicon carbide grinding mineral**. No loading thanks to open structure. With sturdy fibre base. **Can be used on angle grinders (without backing pad).**

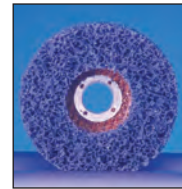
43805 202

Type

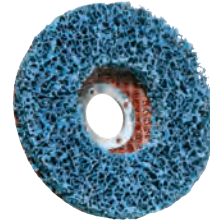
Fibre fleece with **resin-bonded abrasives, glass fibre base**. No loading thanks to the open structure. Long service life for all applications. Can be used on angle grinders (without backing pad).

Use


For surface rough cleaning and for removing rust, corrosion, old coatings, gasket rests and tarnish colours. Helps with the removal of rust and paint from sheet metal parts and with the cleaning of metal surfaces and welds.



43805 201



43805 202

Type	Ø mm	Grit	Bore Ø mm	Recommended RPM	Max. permis. speed RPM		43805	...
XT-RD	115	extra coarse/P 60-80	22	5.000-7.000	11.000	10 pcs.		201
CG-RD	115	extra coarse/P 60-80	22	5.000-7.000	11.000	-		202

43813

Scotch-Brite™ Grinding Wheels Roloc™ SC-DR and SE-DR

3M**Type**

The 3M™ Roloc™ quick exchange system allows a quick tool exchange -one turn only-. Considerable reduction of non-productive times. Specially produced for multi-step working processes.

Note:

Backing pad (grinding pad) and mounting arbor for use on angle grinders and drilling machines see cat.-no. 43825.

43813 101-103

Roloc™ SC-DR**Use**

For cleaning and finishing of metal surfaces. For finishing surfaces in multi-step working processes after pre-grinding with fibre abrasive discs. For producing a gloss finish on stainless steel or for generating a clean, burr-free surface prior to the painting or coating of iron or non-ferrous metals.

43813 104

Roloc™ SE-DR**Type**

Much more aggressive than Roloc™ SC-DR.

Use

Especially recommended for blending following grinding.



43813

Type	Ø mm	Grit	Abrasive mineral	Recommended RPM	Max. permis. speed RPM	Colour	43813	...
Roloc™ SC-DR	75	Coarse/P 100-120	Corundum	10.000-15.000	18.000	Brown		101
Roloc™ SC-DR	75	medium/P 180-220	Corundum	10.000-15.000	18.000	Red		102
Roloc™ SC-DR	75	Very fine/P 320-360	Corundum	10.000-15.000	18.000	Blue		103
Roloc™ SE-DR	75	Coarse/P 100-120	Corundum	10.000-15.000	18.000	Brown-Blue		104

43817

Scotch-Brite™ Bristle Discs Roloc™ RD-ZB

3M**Type**

The **special -monolithic- construction design prevents the release of individual elements** and makes the Bristle Disc much safer than conventional products. The 3M™ Roloc™ quick exchange system allows a quick tool exchange -one turn only-. Considerable reduction of non-productive times. Specially produced for multi-step working processes.

Use

Universal product for cleaning. Easy to operate for finishing, deburring and polishing. Especially suitable for removing tough dirt (residue of paints and glue, gaskets, coatings).

Quality

Ceramic Cubitron™ Abrasive Grit.

Note:

Backing pad (grinding pad) for use on angle grinders see cat.-no. 43825 101.



43817

Ø mm	Grit	Bristle length (tapered) mm	Recommended RPM	Max. permis. speed RPM	Colour	43817	...
75	P 50	16	10.000	18.000	green		101
75	P 80	16	10.000	18.000	yellow		102
75	P 120	16	10.000	18.000	white		103



43821

3M™ Bristle Discs BD-ZB

3M

Type

The special -monolithic- construction design prevents the release of individual elements and makes the Bristle Disc much safer than conventional products. Can be mounted directly on angle grinders with M14 thread.

Use

Universal product for cleaning. Easy to operate for finishing, deburring and polishing. Especially suitable for removing tough dirt (residue of paints and glue, gaskets, coatings).

Quality

Ceramic Cubitron™ Abrasive Grit.

43821



Ø mm	Grit	Bristle length (tapered) mm	Recommended RPM	Max. permis. RPM	Colour	43821	...
115	P 50	19	6.000-10.000	12.000	green		101
115	P 80	19	6.000-10.000	12.000	yellow		102
115	P 120	19	6.000-10.000	12.000	white		103

43825

3M™ Backing Pads (Grinding Pads) and Mounting Arbors Roloc™

3M

43825 101

Backing pad

Use

For angle grinders with cat.-no. 43813 Scotch-Brite™ discs Roloc™ SC-DR or SE-DR and cat.-no. 43817 Scotch-Brite™ Bristle Disc Roloc™ RD-ZB.

43825 102

Mounting arbor

Use

For drills with cat.-no. 43813 Scotch-Brite™ discs Roloc™ SC-DR and SE-DR.

43825 101

43825 102



	Ø mm	Thread	Shank Ø mm	Max. permis. speed RPM	43825	...
Backing pad	75	M 14	-	20.000		101
Mounting arbor	75	-	6	20.000		102

Info

43841 - 43854 COMBIDISC® Abrasive tools

PFERD



43841

COMBIDISC® Holders

43843 - 43845

COMBIDISC® abrasive sheets

43846

COMBIDISC® diamond abrasive discs

43847 - 43849

COMBIDISC® Discs

43850 - 43852

COMBIDISC®-Mini-POLIFAN®

43854

COMBIDISC® mounting bolts

Operating principle:

Abrasive or fleece-layered discs are mounted with a slight clockwise twist and can be easily removed manually by turning counter-clockwise. Thread is designed to ensure effortless operation even after many hours of heavy duty use.

Advantages:

- Easy handling
- Quick disc change
- No sticking, slipping or detaching due to heat
- Vibration-free true running, abrasive sheet sits centrally.

Applications:

For a wide variety of materials, rough grinding to ultra-fine grinding for tool making and mould making, model construction, machine construction, aerospace industry, jet engine construction and repair, tank construction and plant construction.

Suitable power tools:

- Compressed air driven straight or angle grinders
- Flexible shaft machines with straight or angular hand piece.



43841

COMBIDISC® Holders

PFERD



Type

Semi-hard. Perfect joint between reusable holder and abrasive or fleece disc thanks to threaded metal connection.

Use

For difficult grinding work on surfaces, radii and contours.

Note:

Suitable abrasive sheets and discs, see cat.-no. 43843 bis 43849. Compressed air straight and angle grinders, as well as flexible shaft machines, see cat.-no. 92425 ff.

43841

Ø mm	Shank Ø mm	Max. permis. speed RPM	43841	...
25	6	38.000		102
38	6	25.000		103
50	6	19.000		104
75	6	12.500		105



43843 - 43845

COMBIDISC® Abrasive Discs



Use
For compressed air straight and angle grinders (cat.-no. 92425 - 92430), as well as flexible shaft machines.

43843
Use
For grinding on ferrous and other materials. These tools are approved for the European nuclear industry (Class 1).

Quality
Normal Corundum (A), dark brown.

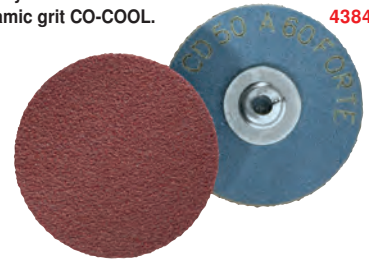
43844
Use
Universal implementation on all materials, especially ductile materials such as stainless steel and aluminium. High stock removal, cool cutting properties, long service life.

Quality
Normal Corundum (A-Forte), light brown.

43845
Use
For machining unalloyed and alloyed steel. Also suitable for cast iron, stainless steel (INOX), titanium, nickel-based alloys, and extremely hard materials. Constant

maximum-performance through self-sharpening ceramic grit. Active grinding additives increase the stock removal, prevent loading, and provide a cooler grinding.

Quality
Ceramic grit CO-COOL. **43844**



Ø mm	Grit	Recommended RPM	Corundum A		Corundum A-Forte		ceramic grit CO-COOL	
			43843	...	43844	...	43845	...
25	60	15.000-26.000		202		202		
25	80	15.000-26.000		203		203		
25	120	15.000-26.000	#	204	#	204		
25	180	15.000-26.000	#	205				
25	320	15.000-26.000		206				
38	24	5.000-16.000					#	300
38	36	5.000-16.000						301
38	60	5.000-16.000					#	302
38	80	5.000-16.000						303
38	120	5.000-16.000					#	304
38	36	10.000-16.000	#	301		301		
38	60	10.000-16.000		302		302		
38	80	10.000-16.000		303		303		
38	120	10.000-16.000		304		304		
38	180	10.000-16.000		305				
38	320	10.000-16.000		306				
50	24	3.800-13.000					#	400
50	36	3.800-13.000						401
50	60	3.800-13.000						402
50	80	3.800-13.000						403
50	120	3.800-13.000					#	404
50	36	8.000-13.000		401		401		
50	60	8.000-13.000		402		402		
50	80	8.000-13.000		403		403		
50	120	8.000-13.000		404		404		
50	180	8.000-13.000		405				
50	320	8.000-13.000		406				
75	24	2.500-9.000					#	500
75	36	2.500-9.000						501
75	60	2.500-9.000						502
75	80	2.500-9.000						503
75	120	2.500-9.000					#	504
75	36	5.000-9.000	#	501		501		
75	60	5.000-9.000	#	502		502		
75	80	5.000-9.000	#	503		503		
75	120	5.000-9.000		504		504		
75	180	5.000-9.000		505				
75	320	5.000-9.000		506				

43846

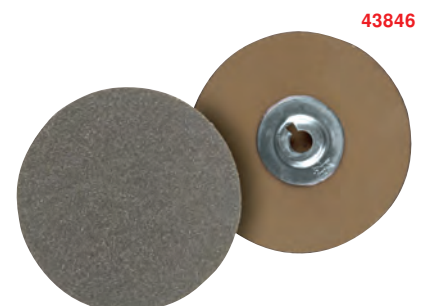
COMBIDISC® diamond abrasive discs



Use
Also suitable for machining wear-resistant coatings and hard-facings made of tungsten carbide, chromium carbide, titanium, etc. Especially suitable

for machining extremely hard materials such as carbide, glass, ceramic, enamelling, stone, and GRP/CRP. For compressed air straight and angle grinders (cat.-no. 92425 - 92430), as well as flexible shaft machines.

Ø mm	Recommended RPM	pcs.	Grit 120/D126		Grit 220/D76	
			43846	...	43846	...
25	7.500 - 15.500	10 pcs.	#	201	#	301
38	5.000 - 12.500	10 pcs.	#	202	#	302
50	3.800 - 9.500	10 pcs.	#	203	#	303
75	2.500 - 6.300	10 pcs.	#	204	#	304



43847 - 43849 COMBIDISC® Discs



43847

Use
Universal for surface processing on metals, e.g. for eliminating pre-finishing marks, removal of oxidation and for light deburring tasks. Open structure.

Quality
Normal corundum (A), hard type.

43848

Use
For ultra-fine grinding on surfaces, contours and for cleaning tasks on metals and paints Very open structure.

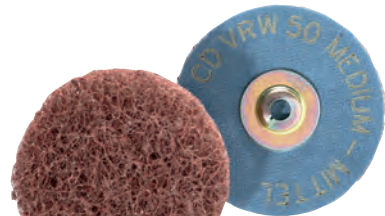
Quality
Normal corundum (A), soft type.

43849

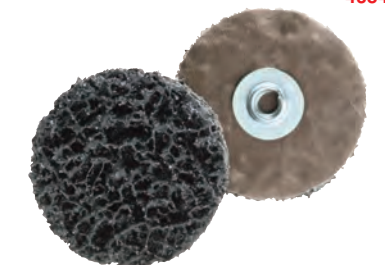
Use
For face grinding for rough cleaning, removal of varnish, scale, annealing colours, rust and glue residual. Long service life, low contact pressure and very high adaptability.
Quality
Policlean.



43847



43848



43849

Ø mm	Grit	Colour	Recommended RPM	Hard		Soft		Policlean	
				43847	...	43848	...	43849	...
25	Coarse	Brown	11.000-15.000	#	201				
25	Medium	Red-brown	11.000-15.000		202				
25	Very fine	Blue	11.000-15.000		203				
38	Coarse	Brown	7.000-10.000	#	301				
38	Medium	Red-brown	7.000-10.000	#	302				
38	Very fine	Blue	7.000-10.000		303				
50	-	-	5.500-8.000					#	103
50	Coarse	Brown	6.000-8.000		401				
50	Medium	Red-brown	5.500-8.000		402		402		
50	Fine	Red-brown	5.500-8.000				403		
50	Very fine	Blue	6.000-8.000		403				
50	Very fine	Red-brown	5.500-8.000				404		
75	-	-	3.800-5.000					#	105

43850 - 43852 COMBIDISC®-Mini-POLIFAN®



Type

Multiple times longer service life and stock removal rate when compared to abrasive discs. In compliance with EN 13743, maximum permitted working speed 50 m/s.

Use

For universal grinding tasks on different materials with good metal cutting capacity.

Quality

Normal corundum (A).

Note:

Suitable mounting bolts see cat.-no. 43854.
Alternative COMBIDISC® holder cat.-no. 43841.

43850

Use
Rec. rpm 12.000-14.000.

43852

Use
Rec. rpm 8.000-10.000.



43850

Grit	Image	50 mm Ø		75 mm Ø	
		43850	...	43852	...
40	10 pcs.			101	101
60	10 pcs.			102	# 102
80	10 pcs.		#	103	# 103
120	10 pcs.		#	104	# 104

43854 COMBIDISC® Mounting Bolt



43854 101

Use
For COMBIDISC®-Mini-POLIFAN® 50 mm Ø (cat.-no. 43850).

43854 102

Use
For COMBIDISC®-Mini-POLIFAN® 75 mm Ø (cat.-no. 43852).



43854

for disc Ø mm	Shank Ø mm	Max. working-speed m/s	43854	...
50	6	50		101
75	6	50		102