

Good. Safe. Yellow.

Klingspor non-woven products
for cleaning and finishing



5

We rank among the world's five leading manufacturers of abrasives.

Every day, Klingspor makes:

110,000 350,000

Abrasive mop discs

Cutting-off wheels and grinding discs

One hundred thousand square metres

Coated abrasives

200,000

Fibre discs

More than

Five hundred

qualified technicians and sales representatives offer professional on-site assistance.

300 million

Euros in sales per year.

More than 50 thousand

products included in the portfolio.

1893

Klingspor was founded as a family-owned business.

2,900

Employees are hard at work everyday to keep our customers satisfied.

Target industries

Aluminium and stainless steel cookware



Reservoirs, tanks and containers



Stainless steel fabrication



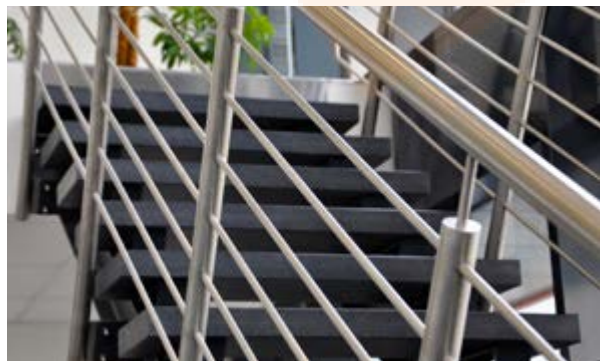
Stainless steel sinks



Metal fabrication

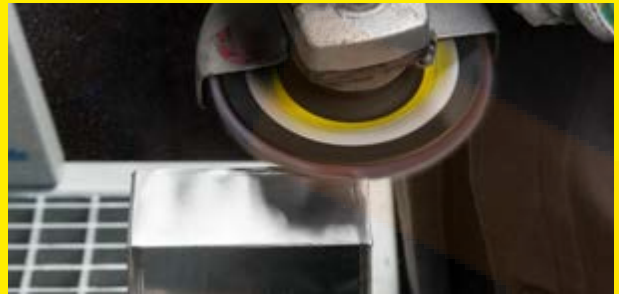


Stair railing construction



Klingspor non-woven products for cleaning and finishing

Finishing process



Finishing process

	Page
Surface preparation and blending	16-24
Coarse cleaning	25-26
Blending and finishing	27-35
Removal of tempering colours and pre-polishing	36-37

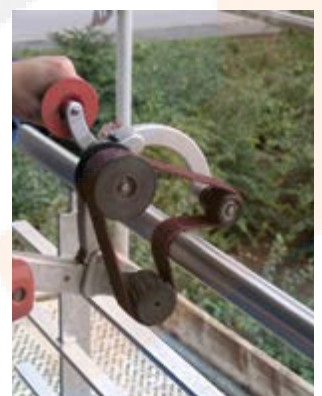
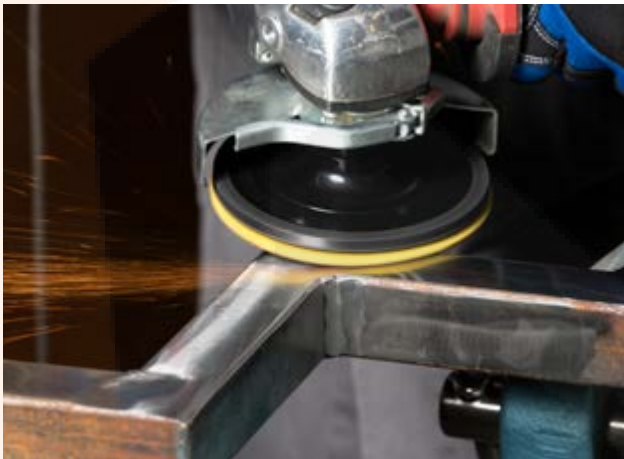
Typical use

Applications

- ▶ Light cleaning of non-ferrous metals
- ▶ Light cleaning of all ferrous metals
- ▶ Preparation for paint, powder coat, plating
- ▶ Light oxide removal on non-ferrous metals
- ▶ Non-directional satin finish on stainless steel

Materials

- ▶ Stainless steel
- ▶ Steel
- ▶ Non-ferrous metals
- ▶ Plastic
- ▶ Wood
- ▶ Paint, varnish, filler



Four types of non-woven material

When it comes to choosing the right product for your application, it makes sense to pay attention to the type of non-woven material that can be used. There are four types available:

1. Non-woven web material
 - ▶ Also available as combination (mix of non-woven web and coated abrasives)
2. Surface conditioning material (SCM)
3. Unitised material
4. Clean and strip material

General advantages of non-woven materials

Broad range of applications for finishing

- ▶ 3-Dimensional structure of the non-woven material
- ▶ Products are available in different grains and densities

Very long service life

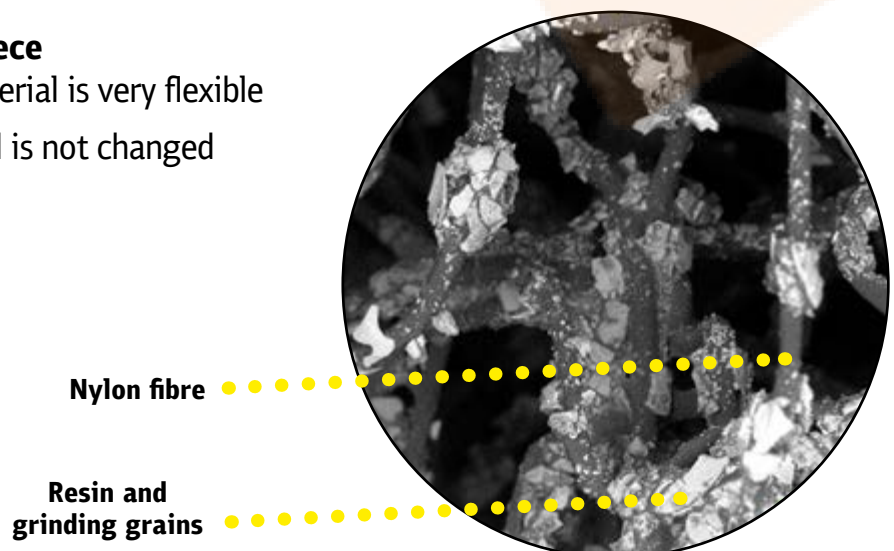
- ▶ New abrasive grains are continuously releasing
- ▶ Even finish throughout the entire service life
- ▶ No clogging thanks to open structure

Consistent scratch pattern

- ▶ Abrasive grains are evenly distributed within the structure of the material
- ▶ Soft contact point with workpiece surface

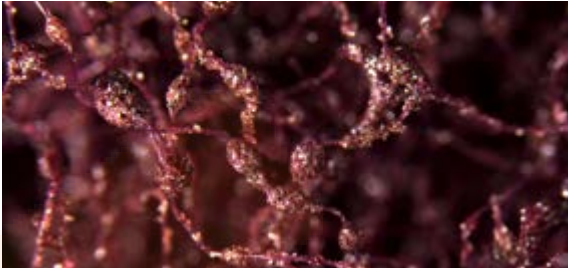
Good adaptation to the workpiece

- ▶ The structure of non-woven material is very flexible
- ▶ Form and shape of base material is not changed

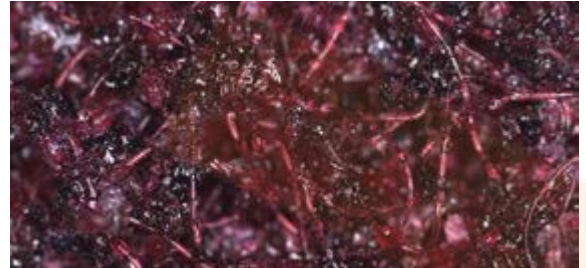


Different types of non-woven material

Non-woven web material



Surface conditioning material (SCM)



Flexibility

Very flexible

Durability / wear resistance

High resistance against clogging/glazing

Key applications



Finishing



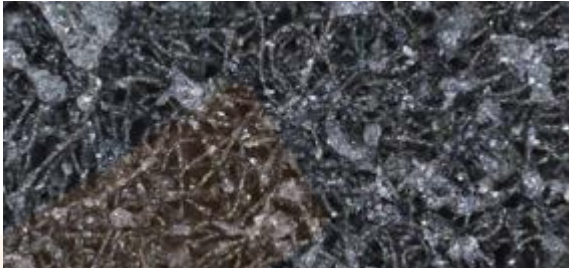
Surface preparation and blending

Klingspor products

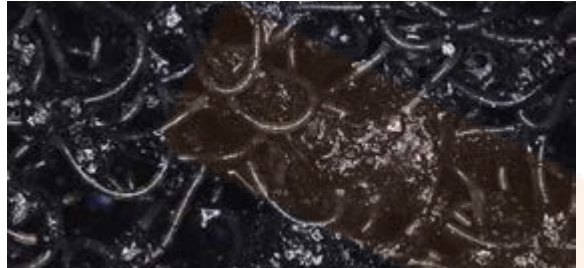
NCW 600 (S), NFW 600 (S),
NDS 400 K, QMC/QRC 400,
NPA 400/500, NRO 400/
NRO 500, NCS 600, NFS 600

SMT 800, SMT 850, NBS 800, NBF 800,
SV 484, NDS 800, QMC/QRC 800

Unitised



Clean and strip



Very robust

High durability under high load



Removal of tempering colours and pre-polishing

MFW 600, NUD 500

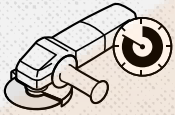


Coarse clean and strip

PW 2000, NCD 200

Machines

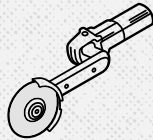
Carrying a comprehensive range of products, Klingspor offers the right tool for all types of machines and for all standard applications commonly required in the market.



Variable speed angle grinder

Common grinding tools

- ▶ Unitised wheels
- ▶ Non-woven web and mop discs
- ▶ Cleaning wheels
- ▶ Combi-abrasive mop discs



Fillet weld grinder

Common grinding tools

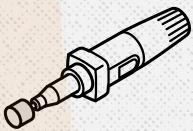
- ▶ Unitised web wheels



Right angle die grinder

Common grinding tools

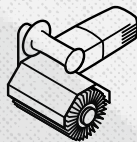
- ▶ Non-woven quick change discs
- ▶ Quick change discs



Die grinder

Common grinding tools

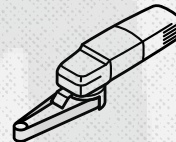
- ▶ Nylon web clean and strip
- ▶ Small finishing mop



Satin finishing machine

Common grinding tools

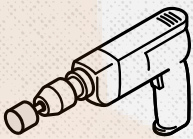
- ▶ Satin finishing drum



Hand tool belt grinder

Common grinding tools

- ▶ Non-woven file belt



Drilling machine

Common grinding tools

- ▶ Small finishing mop
- ▶ Nylon web clean and strip



Flexible shaft grinder

Common grinding tools

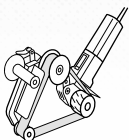
- ▶ Small finishing mop



Random orbital sander / Orbital sander

Common grinding tools

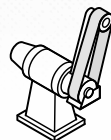
- ▶ Non-woven web disc, self-fastening (for random orbital sander)
- ▶ Pads and rolls (for orbital sander)



Tube grinder

Common grinding tools

- ▶ Nylon webbed mop
- ▶ Non-woven combi mop
- ▶ Non-woven web belt



Floor stand grinder

Common grinding tools

- ▶ Nylon webbed mop
- ▶ Non-woven combi mop
- ▶ Non-woven web belt



Hand sanding

Common grinding tools

- ▶ Non-woven web hand pad
- ▶ Non-woven web roll

Nylon web in four different forms

Non-woven web material



NCW 600



NFW 600



NDS 400 K



QMC / QRC 400



NPA 400 / 500



NRO 400 / 500



NCS 600



NFS 600

Surface conditioning material (SCM)



**SMT 800
SPECIAL**



**SMT 850 plus
SPECIAL**



NBS 800



NBF 800



SV 484



NDS 800



QMC / QRC 800

Unitised



MFW 600



NUD 500

Clean and strip













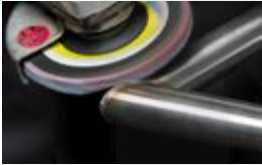























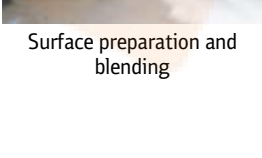



PW 2000



NCD 200

Product selection by machine

Machine	Application	Product group	Recommended material	Optional application	Result / surface quality	Product	Page
	 Coarse cleaning	 Clean and strip disc (extra coarse)	   			NCD 200	25
	 Surface preparation and blending	 Combi-abrasive mop disc (combination of SCM and coated abrasive)			 	SMT 850 plus	16
	 Removal of tempering colours	 SCM mop disc	  		 	SMT 800	36
 Variable speed angle grinder	 Surface preparation and blending	 SCM disc	   		 	NDS 800	16
	 Surface preparation and blending	 SCM disc	   		 	SV 484	17
	 Surface preparation and blending	 Backing pad for SCM discs				NDS 555	17



= Stainless steel



= Plastic



= Paint, varnish, filler



= Steel



= Wood






















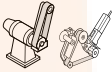
























= NF Metal


 = coarse


 = medium

 = fine


Machine	Application	Product group	Recommended material	Optional application	Result / surface quality	Product	Page
 Variable speed angle grinder	 Finishing	 Unitised disc				NUD 500	36
 Random orbital sander	 Finishing	 Non-woven web disc, self-fastening	   			NDS 400 K	29
 Hand tool belt grinder	 Surface preparation and blending	 SCM file belt	  		 	NBF 800	18
 Tube grinder and floor stand grinder	 Surface preparation and blending	 SCM belt	  		 	NBS 800	19
	 Surface preparation and blending	 SCM quick change disc	  			QMC 800 QRC 800	20
 Right angle die grinder	 Finishing	 Non-woven web quick change disc		  		QMC 400 QRC 400	30
	 Accessories	 Backing pad for quick change discs				QMC 555 QRC 555	21, 31 22, 32


 = Stainless steel


 = Plastic

 = Paint, varnish, filler

 = coarse

 = Steel

 = Wood




















































 = NF Metal

 = medium

 = fine

Klingspor non-woven products for cleaning and finishing

Product selection by machine

Machine	Application	Product group	Recommended material	Optional application	Result / surface quality	Product	Page
 Angle grinder	 Accessories	 Adapter for quick change disc backing pad				QCA 555	22, 32
 Fillet weld grinder	 Removal of tempering colours and finishing	 Unitised wheel	  		 	MFW 600	37
 Variable speed angle grinder							
 Hand sanding	 Finishing	 Non-woven web hand pad	   	 	  	NPA 400 NPA 500	28
 Orbital sander		 Non-woven web roll	   	 	  	NRO 400 NRO 500	27
 Satin finishing machine	 Surface preparation and blending	 Combi non-woven web drum (combination of non-woven web and coated abrasives)	   		 	NCW 600 S	23
		 Non-woven web drum	   		 	NFW 600 S	34



= Stainless steel



= Plastic



= Paint, varnish, filler



= coarse



= Steel



= Wood














































= NF Metal




= medium




= fine

Machine	Application	Product group	Recommended material	Optional application	Result / surface quality	Product	Page
 Floor standing grinder	 Finishing	 Combi non-woven web mop (combination of non-woven web and coated abrasives)	   		 	NCW 600	33
		 Non-woven web mop	   		 	NFW 600	33
		 Mounting plate for NCW 600 and NFW 600				SMD 612	34
 Die grinder  Flexible shaft grinder  Drilling machine	 Coarse cleaning	 Clean and strip power wheel (extra coarse)	   			PW 2000	26
		 Fixing spindle for PW 2000				SD 2000	26
		 Combi non-woven web small finishing mop (combination of non-woven web and coated abrasives)	   		 	NCS 600	24
	 Finishing	 Non-woven web small finishing mop	   		 	NFS 600	35


 = Stainless steel


 = Plastic

 = Paint, varnish, filler

 = coarse

 = Steel

 = Wood

 = NF Metal

 = medium

 = fine

Surface preparation and blending

Combi-abrasive mop disc

SMT 850 plus SPECIAL



Applications

Stainless steel



Properties

Backing plate Glass fibre

Design Convex 12°

Advantages: High quality combi surface conditioning mop disc - Specially suited for machining of MIG and TIG weld seams on stainless steel components - Even finish throughout the entire service life - Stock removal and finishing in one step

Diameter x Bore in mm	Form	Grit	Grade	Colour	Max. operating speed	Max. RPM	Recommended operating speed	Recommended RPM	Packing unit/pcs.	Cat. number
115 x 22,23		60	coarse	brown	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312556
115 x 22,23		80	medium	maroon	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312557
115 x 22,23		120	very fine	green	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312558
125 x 22,23		60	coarse	brown	80 m/s	12200 rpm	42 m/s	6400 rpm	5	312559
125 x 22,23		80	medium	maroon	80 m/s	12200 rpm	42 m/s	6400 rpm	5	312560
125 x 22,23		120	very fine	green	80 m/s	12200 rpm	42 m/s	6400 rpm	5	312561

SCM disc

NDS 800



Properties

Bonding agent Resin

Grain Aluminium oxide

Backing Non-woven web with polyester lining

Applications

Metals



Stainless steel



Paint/Varnish/Filler



Plastic



Wood



Advantages: High edge stability - Long service life - Can be used for wet and dry finishing applications

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Colour	Grade	Packing unit/pcs.	Cat. number
115	50	brown	coarse	10	320103
115	100	maroon	medium	10	320104
115	180	blue	very fine	10	320105
125	50	brown	coarse	10	320106
125	100	maroon	medium	10	320107
125	180	blue	very fine	10	320108

SCM disc

SV 484



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Non-woven web with polyester lining

Applications

Paint/Varnish/Filler	●	Stainless steel	●
Wood	●		
Plastic	●		
Metals	●		

Advantages: Universal surface conditioning disc with outstanding price-performance ratio - Can be used wet and dry - With centre hole for easy mounting, secure hold and smooth running on backing plates with centering - Also suited for backing pads without centering and fibre disc backing plates with clamping screw

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Grade	Packing unit/pcs.	Cat. number
115	80	coarse	10	353413
115	100	medium	10	353415
115	180	medium	10	353414
115	280	very fine	10	353416
125	80	coarse	10	353409
125	100	medium	10	353410
125	180	medium	10	353411
125	280	very fine	10	353412

Backing pad for SCM discs

NDS 555



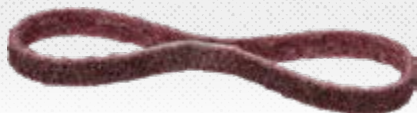
Advantages: Good adhesion for SCM discs - For medium-duty finishing and polishing applications

Diameter in mm	Thread/Shaft	Packing unit/pcs.	Cat. number
115	thread M14	1	164100
125	thread M14	1	208275

Surface preparation and blending

SCM file belt

NBF 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

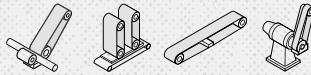
Stainless steel	●
NF metals	●
Metals	●

Advantages: Special product for surface finishing with hand tool belt grinders - Ideal for removal of discolourations, for light deburring, leveling, matt finishing and roughening - Minimal clogging and long service life - Suitable for dry and wet finishing applications

Width x Length in mm	Belt joint	Colour	Grade	Packing unit/pcs.	Cat. number
6 x 520	F4W	brown	coarse	10	258646
6 x 520	F4W	maroon	medium	10	258647
6 x 520	F4W	blue	very fine	10	258648
9 x 533	F4W	brown	coarse	10	258652
9 x 533	F4W	maroon	medium	10	258653
9 x 533	F4W	blue	very fine	10	258654
10 x 330	F4W	brown	coarse	10	258655
10 x 330	F4W	maroon	medium	10	258656
10 x 330	F4W	blue	very fine	10	258657
12 x 520	F4W	brown	coarse	10	258658
12 x 520	F4W	maroon	medium	10	258659
12 x 520	F4W	blue	very fine	10	258660
12 x 533	F4W	brown	coarse	10	258661
12 x 533	F4W	maroon	medium	10	258662
12 x 533	F4W	blue	very fine	10	258663
13 x 457	F4W	brown	coarse	10	258664
13 x 457	F4W	maroon	medium	10	258665
13 x 457	F4W	blue	very fine	10	258666
13 x 610	F4W	brown	coarse	10	258667
13 x 610	F4W	maroon	medium	10	258668
13 x 610	F4W	blue	very fine	10	258669
20 x 520	F4W	brown	coarse	10	258671
20 x 520	F4W	maroon	medium	10	258672
20 x 520	F4W	blue	very fine	10	258673
28 x 533	F4W	brown	coarse	10	258674
28 x 533	F4W	maroon	medium	10	258695
28 x 533	F4W	blue	very fine	10	258696
30 x 533	F4W	brown	coarse	5	258699
30 x 533	F4W	maroon	medium	5	258700
30 x 533	F4W	blue	very fine	5	258701
30 x 610	F4W	maroon	medium	5	258703
30 x 610	F4W	blue	very fine	5	258704

SCM standard belt

NBS 800



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications

Stainless steel	●
NF metals	●
Metals	○

Advantages: Special product for surface finishing with hand-operated machines (except hand tool belt grinders) and stationary machines - Ideal for removal of discolourations, for light deburring, leveling, matt finishing and roughening - Minimal clogging - Long service life - Suitable for dry and wet finishing applications

Width x Length in mm	Belt joint	Colour	Grade	Packing unit/pcs.	Cat. number
30 x 800	F3W	purple	medium	5	258706
40 x 618	F3W	brown	coarse	5	258711
40 x 618	F3W	purple	medium	5	258712
40 x 618	F3W	blue	very fine	5	258713
40 x 820	F3W	brown	coarse	5	258714
40 x 820	F3W	purple	medium	5	258715
40 x 820	F3W	blue	very fine	5	258716
50 x 450	F3W	brown	coarse	5	258717
50 x 450	F3W	purple	medium	5	258718
75 x 2000	F3W	brown	coarse	5	258729
75 x 2000	F3W	purple	medium	5	258730
75 x 2000	F3W	blue	very fine	5	258731

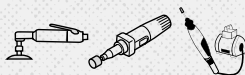
Grit	60 - 80	120 - 150	180 - 240
Grade	coarse	medium	very fine
Klingspor non-woven web belts	coarse A – brown		
		medium A – purple	
			very fine – blue

Surface preparation and blending

Surface preparation and blending

SCM quick change disc

QMC 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Metals	●
Paint/Varnish/Filler	○

Advantages: For light deburring - For removal of rust and paint - Long life due to hard, stable quality of surface conditioning material

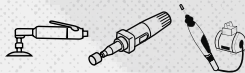


Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number
50	brown	coarse	50	295410
50	maroon	medium	50	295411
50	blue	very fine	50	295412
76	brown	coarse	25	295416
76	maroon	medium	25	295417
76	blue	very fine	25	295418

Coarse cleaning

SCM quick change disc

QRC 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Metals	●
Paint/Varnish/Filler	○

Advantages: For light deburring - For removal of rust and paint - Long life due to hard, stable quality of surface conditioning material



Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number
50	brown	coarse	50	295413
50	maroon	medium	50	295414
50	blue	very fine	50	295415
76	brown	coarse	25	295419
76	maroon	medium	25	295420

Blending and finishing

Removal of tempering colours and pre-polishing

The right choice of the backing pad

Backing pads for Quick Change Discs are available in grades according to the required application. The firmer the backing pad the higher the stock removal rate. Softer backing plates are suited to working on contoured surfaces and finish sanding.

The QCA 555 (cat. no. 308693) allows use on a regular angle grinder.

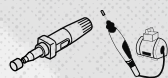
Please observe the max. RPM for the backing pads in the product table.

Two fastening systems have prevailed on the market for the product group 'Quick Change Discs'. Klingspor can offer you both, Quick Metal Connect and Quick Roll Connect, for all available types.



Backing pad

QMC 555



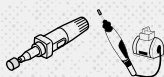
Advantages: For secure mounting of QMC discs - Optimised abrasive properties (aggressiveness, surface quality) due to three hardnesses

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number
25 x 6	soft	grey	30000 rpm	1	300056
25 x 6	medium	blue	30000 rpm	1	295422
38 x 6	soft	grey	30000 rpm	1	300058
38 x 6	medium	blue	30000 rpm	1	295424
38 x 6	firm	red	30000 rpm	1	300059
50 x 6	soft	grey	30000 rpm	1	300060
50 x 6	medium	blue	30000 rpm	1	295426
50 x 6	firm	red	30000 rpm	1	295427
76 x 6	soft	grey	20000 rpm	1	300061
76 x 6	medium	blue	20000 rpm	1	295430
76 x 6	firm	red	20000 rpm	1	295431

Surface preparation and blending

Backing pad

QRC 555



Advantages: For secure mounting of QRC discs - Optimised abrasive properties (aggressiveness, surface quality) due to two hardnesses

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number
25 x 6	medium	blue	30000 rpm	1	295423
38 x 6	medium	blue	30000 rpm	1	295425
50 x 6	medium	blue	30000 rpm	1	295428
50 x 6	firm	red	30000 rpm	1	295429
76 x 6	medium	blue	20000 rpm	1	295432
76 x 6	firm	red	20000 rpm	1	295433

Adapter for quick change disc backing pad

QCA 555



Advantages: Quick change disc adapter with M14 thread - Allows use of quick change discs on a regular angle grinder

Width x Length in mm	Thread/Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
20 x 30	thread M14	80 m/s	75400 rpm	1	308693

Combi non-woven web drum

NCW 600 S



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Metals	●
Plastic	○



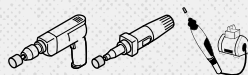
Advantages: High removal rate and fine surface scratch pattern due to combination of non-woven and abrasive cloth flaps - Long service life

Diameter x Width x Bore in mm	Grit	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 50 x 19	80	coarse	maroon	19 m/s	3700 rpm	3	259896
100 x 50 x 19	100	medium	maroon	19 m/s	3700 rpm	3	259897
100 x 50 x 19	150	medium	maroon	19 m/s	3700 rpm	3	259898
100 x 50 x 19	180	very fine	maroon	19 m/s	3700 rpm	3	259899
100 x 100 x 19	80	coarse	maroon	19 m/s	3700 rpm	1	258905
100 x 100 x 19	100	medium	maroon	19 m/s	3700 rpm	1	258906
100 x 100 x 19	150	medium	maroon	19 m/s	3700 rpm	1	258907
100 x 100 x 19	180	very fine	maroon	19 m/s	3700 rpm	1	258908
110 x 100 x 19	80	coarse	maroon	19 m/s	3300 rpm	1	320246
110 x 100 x 19	100	medium	maroon	19 m/s	3300 rpm	1	320247
110 x 100 x 19	150	medium	maroon	19 m/s	3300 rpm	1	320248
110 x 100 x 19	180	very fine	maroon	19 m/s	3300 rpm	1	320249

Surface preparation and blending

Combi non-woven web spindle mop

NCS 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Metals	●
Plastic	○



Advantages: High removal rate and fine surface scratch pattern due to combination of non-woven and abrasive cloth flaps - Long service life

Diameter x Width x Shaft in mm	Grit	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
50 x 30 x 6	60	coarse	maroon	32 m/s	12200 rpm	10	258932
50 x 30 x 6	100	medium	maroon	32 m/s	12200 rpm	10	258933
50 x 30 x 6	150	medium	maroon	32 m/s	12200 rpm	10	258934
50 x 30 x 6	240	very fine	maroon	32 m/s	12200 rpm	10	258935
60 x 30 x 6	60	coarse	maroon	32 m/s	10200 rpm	10	258936
60 x 30 x 6	100	medium	maroon	32 m/s	10200 rpm	10	258937
60 x 30 x 6	150	medium	maroon	32 m/s	10200 rpm	10	258938
60 x 30 x 6	240	very fine	maroon	32 m/s	10200 rpm	10	258939
60 x 50 x 6	60	coarse	maroon	32 m/s	10200 rpm	10	258940
60 x 50 x 6	100	medium	maroon	32 m/s	10200 rpm	10	258941
60 x 50 x 6	150	medium	maroon	32 m/s	10200 rpm	10	258942
60 x 50 x 6	240	very fine	maroon	32 m/s	10200 rpm	10	258943
80 x 50 x 6	60	coarse	maroon	32 m/s	7600 rpm	10	258944
80 x 50 x 6	100	medium	maroon	32 m/s	7600 rpm	10	258945
80 x 50 x 6	150	medium	maroon	32 m/s	7600 rpm	10	258946
80 x 50 x 6	240	very fine	maroon	32 m/s	7600 rpm	10	258947
100 x 50 x 6	60	coarse	maroon	32 m/s	6100 rpm	4	258948
100 x 50 x 6	100	medium	maroon	32 m/s	6100 rpm	4	258949
100 x 50 x 6	150	medium	maroon	32 m/s	6100 rpm	4	258950
100 x 50 x 6	240	very fine	maroon	32 m/s	6100 rpm	4	258951



Clean and strip disc, extra coarse

NCD 200



Applications

Metals	●
Paint/Varnish/Filler	●
Plastic	●
Stainless steel	ⓘ

Properties

Bonding agent Resin
Grain SiC
Design Flat

Advantages: Special SiC non-woven web for cleaning of surfaces and removal of heat tinting/blueing - No clogging due to open structure - For the removal of paint and rust

Diameter x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		63 m/s	10450 rpm	5	259043
125 x 22,23		63 m/s	9600 rpm	5	259044

Surface preparation and blending

Coarse cleaning

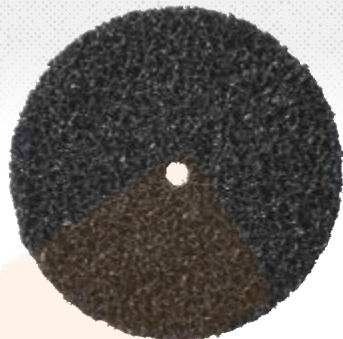
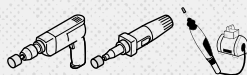
Blending and finishing

Removal of tempering colours and pre-polishing

Coarse cleaning

Clean and strip power wheel, extra coarse

PW 2000



Applications

Paint/Varnish/Filler	●
Plastic	●
Metals	●
Stone	●

Advantages: Special non-woven web, ideal for removing heat tinting, oxide layers, rust and paint residue - For cleaning of weld seams - No clogging

Diameter x Width x Bore in mm	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 13 x 13	40 m/s	7600 rpm	10	194625
150 x 13 x 13	40 m/s	5000 rpm	10	194626
200 x 13 x 13	40 m/s	3800 rpm	10	241380

Fixing spindle

SD 2000



Advantages: For secure mounting on drilling machines, flexible shafts and stroke grinders - Optimal true running of the power wheel PW 2000

Shaft in mm	Suitable for	Packing unit/pcs.	Cat. number
6	1 wheel Ø 100 - Ø 200	1	194629
8	1-2 wheels Ø 100 - Ø 200	1	194632

Non-woven web roll

NRO 400



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications

Stainless steel	●	Paint/Varnish/Filler	○
Metals	●		
Wood	●		
Plastic	○		

Advantages: Very good adaptation to surface contours - No clogging - Ideal for smoothing, cleaning, roughening and for general surface finishing - Can be used wet and dry



Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number
100 x 10000	maroon	medium	1	258870
100 x 10000	dark green	very fine	1	258871
100 x 10000	maroon	fine	1	258872
100 x 10000	maroon	very fine	1	258873
115 x 10000	maroon	medium	1	258885
115 x 10000	dark green	very fine	1	258886
115 x 10000	maroon	fine	1	258887
115 x 10000	maroon	very fine	1	258888
150 x 10000	maroon	medium	1	258890
150 x 10000	dark green	very fine	1	258891
150 x 10000	maroon	fine	1	258892
150 x 10000	maroon	very fine	1	258893

Information regarding grit range see chart on page 29.

Non-woven web roll

NRO 500



Properties

Bonding agent Resin	
Grain	SiC

Applications

Stainless steel	●	Wood	○
Plastic	●		
Paint/Varnish/Filler	●		
Metals	○		

Advantages: Very good adaptation to surface contours - No clogging - Ideal for smoothing, cleaning, roughening and for general surface finishing - Can be used wet and dry



Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number
100 x 10000	black	medium	1	260365
100 x 10000	grey	ultra fine	1	258874
115 x 10000	black	medium	1	260366
115 x 10000	grey	ultra fine	1	258889
150 x 10000	black	medium	1	260367
150 x 10000	grey	ultra fine	1	258894

Information regarding grit range see chart on page 29.

Blending and finishing

Non-woven web hand pad

NPA 400



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●	Plastic	ⓘ
Metals	●		
Wood	●		
Paint/Varnish	ⓘ		



Advantages: Outstanding for surface finishing, e.g. adaptation to an existing surface scratch pattern - Can be used wet and dry

Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number
152 x 229	brown	coarse	20	342852
152 x 229	maroon	medium	20	342855
152 x 229	maroon	fine	20	342856
152 x 229	maroon	very fine	20	342849
152 x 229	green	very fine	20	342853
152 x 229	dark green	very fine	20	342854

Information regarding grit range see chart on page 29.

Non-woven web hand pad

NPA 500



Properties

Bonding agent	Resin
Grain	SiC

Applications

Paint/Varnish	●	Wood	ⓘ
Plastic	●		
Stainless steel	●		
Metals	ⓘ		



Advantages: Outstanding for surface finishing, e.g. adaptation to an existing surface scratch pattern - Can be used wet and dry

Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number
152 x 229	black	medium	20	342857
152 x 229	grey	ultra fine	20	342851
152 x 229	white	without grain	20	342850

Information regarding grit range see chart on page 29.



Grit	80 - 100	120 - 150	180 - 220	240 - 320	800 - 1000	Without grain
Grade	coarse	medium	fine	very fine	ultra fine	non-abrasive
Klingspor Non-woven web hand pads and rolls	coarse A – brown					
		medium SiC – black				
		medium A – maroon				
			fine A – maroon			
				very fine HD – green		
				very fine GP – dark green		
				very fine A – maroon		
Aggressiveness decreasing					ultra fine SiC – grey	
						non-abrasive – white

Surface preparation and blending

Coarse cleaning

Blending and finishing

Removal of tempering colours and pre-polishing

Blending and finishing

Surface preparation and blending

Coarse cleaning

Blending and finishing

Removal of tempering colours and pre-polishing

Non-woven web disc, self-fastening

NDS 400 K



NEW



Properties

Bonding agent	Resin
Grain	Aluminium oxide/SiC
Backing	Non-woven web

Applications

Metals	●	Plastic	●
Steel	●		
Stainless steel	●		
Paint/Varnish/Filler	●		

Advantages: Creates an omnidirectional, ultra-fine satin finish on stainless steel surfaces - Effortless cleaning of metal surfaces - Removal of thin layers of oxidation on NF metals - Preparation of surfaces for subsequent coating - Roughening of painted and plastic surfaces - Available in ultra fine (SiC) and very fine (Aluminium Oxide)

Available grits:

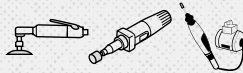
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter in mm				Grit			Colour		Grade							Packing unit/pcs.				Cat. number				
150				320			maroon		very fine							20				342640				
150				600			grey		ultra fine							20				342641				





Non-woven web quick change disc

QMC 400



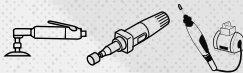
Properties		Applications	
Bonding agent	Resin	Paint/Varnish/Filler	●
Grain	Aluminium oxide	Metals	○

Advantages: Suitable for surface finishing work - For cleaning work on metals and painted surfaces

Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number
50	maroon	medium	50	295392
50	maroon	fine	50	295393
50	maroon	very fine	50	295394

Non-woven web quick change disc

QRC 400



Properties		Applications	
Bonding agent	Resin	Paint/Varnish/Filler	●
Grain	Aluminium oxide	Metals	○

Advantages: Suitable for surface finishing work - For cleaning work on metals and painted surfaces

All sizes and minimum purchasing quantities available on request

Grit		60 - 80	120 - 150	180 - 240
Grade		coarse	medium	very fine
Klingspor Quick Change Discs	Aggressiveness decreasing ↓	coarse A – brown		
			medium A – maroon	
				very fine – blue

Blending and finishing

The right choice of the backing pad

Backing pads for Quick Change Discs are available in grades according to the required application. The firmer the backing pad the higher the stock removal rate. Softer backing plates are suited to working on contoured surfaces and finish sanding.

The QCA 555 (cat. no. 308693) allows use on a regular angle grinder.

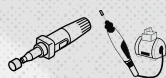
Please observe the max. RPM for the backing pads in the product table.

Two fastening systems have prevailed on the market for the product group 'Quick Change Discs'. Klingspor can offer you both, Quick Metal Connect and Quick Roll Connect, for all available types.



Backing pad

QMC 555

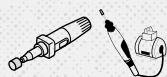


Advantages: For secure mounting of QMC discs - Optimised abrasive properties (aggressiveness, surface quality) due to three hardnesses

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number
25 x 6	soft	grey	30000 rpm	1	300056
25 x 6	medium	blue	30000 rpm	1	295422
38 x 6	soft	grey	30000 rpm	1	300058
38 x 6	medium	blue	30000 rpm	1	295424
38 x 6	firm	red	30000 rpm	1	300059
50 x 6	soft	grey	30000 rpm	1	300060
50 x 6	medium	blue	30000 rpm	1	295426
50 x 6	firm	red	30000 rpm	1	295427
76 x 6	soft	grey	20000 rpm	1	300061
76 x 6	medium	blue	20000 rpm	1	295430
76 x 6	firm	red	20000 rpm	1	295431

Backing pad

QRC 555



Advantages: For secure mounting of QRC discs - Optimised abrasive properties (aggressiveness, surface quality) due to two hardnesses

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number
25 x 6	medium	blue	30000 rpm	1	295423
38 x 6	medium	blue	30000 rpm	1	295425
50 x 6	medium	blue	30000 rpm	1	295428
50 x 6	firm	red	30000 rpm	1	295429
76 x 6	medium	blue	20000 rpm	1	295432
76 x 6	firm	red	20000 rpm	1	295433

Adapter for quick change disc backing pad

QCA 555



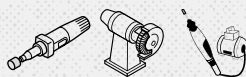
Advantages: Quick change disc adapter with M14 thread - Allows use of quick change discs on a regular angle grinder

Width x Length in mm	Thread/Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
20 x 30	thread M14	80 m/s	75400 rpm	1	308693

Blending and finishing

Combi non-woven web mop

NCW 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Metals	●
Plastic	⦿

Advantages: Combination of non-woven and abrasive cloth flaps for a fine surface scratch pattern - Optimal wear properties - High removal rate - Long service life

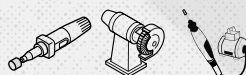


Diameter x Width x Bore in mm	Grit	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
165 x 50 x 43	80	coarse	maroon	32 m/s	3700 rpm	3	258909
165 x 50 x 43	100	medium	maroon	32 m/s	3700 rpm	3	258910
165 x 50 x 43	150	medium	maroon	32 m/s	3700 rpm	3	258911
165 x 50 x 43	180	very fine	maroon	32 m/s	3700 rpm	3	258912
200 x 50 x 68	80	coarse	maroon	32 m/s	3050 rpm	2	258913
200 x 50 x 68	100	medium	maroon	32 m/s	3050 rpm	2	258914
200 x 50 x 68	150	medium	maroon	32 m/s	3050 rpm	2	258915

Use only with mounting plate SMD 612

Non-woven web mop

NFW 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Metals	●
Stainless steel	●

Advantages: Even finish throughout the entire service life - Optimal tool for creating a matt or satin finish



Diameter x Width x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
165 x 50 x 43	coarse	maroon	32 m/s	3700 rpm	3	258898
165 x 50 x 43	medium	maroon	32 m/s	3700 rpm	3	258899
165 x 50 x 43	very fine	maroon	32 m/s	3700 rpm	3	258900
200 x 50 x 68	coarse	maroon	32 m/s	3050 rpm	2	258901
200 x 50 x 68	medium	maroon	32 m/s	3050 rpm	2	258902
200 x 50 x 68	very fine	maroon	32 m/s	3050 rpm	2	258903

Use only with mounting plate SMD 612

Mounting plate

SMD 612



Advantages: Ensures the smooth running and safe mounting on the machine

Diameter x Bore in mm	Suitable for	Max. enlargement of bore Ø in mm	Packing unit/pcs.	Cat. number
55 x 10	SM 611 (Ø100+Ø140)	Ø 20 mm	2	14821
79 x 12	SM 611/NCW/NFW 600 (Ø150+Ø165)	Ø 40 mm	2	14823
121 x 14	SM 611/NCW/NFW 600 (Ø200+Ø250)	Ø 50 mm	2	14824
155 x 20	SM 611 (Ø300)	Ø 50 mm	2	14826
195 x 25	SM 611 (Ø350)	Ø 80 mm	2	14827
221 x 25,4	SM 611 (Ø380+Ø410)	Ø 80 mm	2	14829

Surface preparation and blending

Coarse cleaning

Blending and finishing

Removal of tempering colours
and pre-polishing

Non-woven web drum

NFW 600 S



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Metals	●
Stainless steel	●

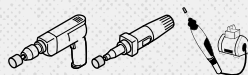
Advantages: Even finish throughout the entire service life - Optimal tool with high quality non-woven flaps for creating a matt or satin finish

Diameter x Width x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 50 x 19	coarse	maroon	19 m/s	3700 rpm	3	259853
100 x 50 x 19	medium	maroon	19 m/s	3700 rpm	3	259854
100 x 50 x 19	very fine	maroon	19 m/s	3700 rpm	3	259895
100 x 100 x 19	coarse	maroon	19 m/s	3700 rpm	1	258895
100 x 100 x 19	medium	maroon	19 m/s	3700 rpm	1	258896
100 x 100 x 19	very fine	maroon	19 m/s	3700 rpm	1	258897
110 x 100 x 19	coarse	maroon	19 m/s	3300 rpm	1	320253
110 x 100 x 19	medium	maroon	19 m/s	3300 rpm	1	320254
110 x 100 x 19	very fine	maroon	19 m/s	3300 rpm	1	320255

Blending and finishing

Non-woven web spindle mop

NFS 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Metals	●
Stainless steel	●

Advantages: Even finish throughout the entire service life - Optimal tool with high quality non-woven flaps for creating a matt or satin finish



Diameter x Width x Shaft in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
50 x 30 x 6	coarse	maroon	32 m/s	12200 rpm	10	258917
50 x 30 x 6	medium	maroon	32 m/s	12200 rpm	10	258918
50 x 30 x 6	very fine	maroon	32 m/s	12200 rpm	10	258919
60 x 30 x 6	coarse	maroon	32 m/s	10200 rpm	10	258920
60 x 30 x 6	medium	maroon	32 m/s	10200 rpm	10	258921
60 x 30 x 6	very fine	maroon	32 m/s	10200 rpm	10	258922
60 x 50 x 6	coarse	maroon	32 m/s	10200 rpm	10	258923
60 x 50 x 6	medium	maroon	32 m/s	10200 rpm	10	258924
60 x 50 x 6	very fine	maroon	32 m/s	10200 rpm	10	258925
80 x 50 x 6	coarse	maroon	32 m/s	7600 rpm	10	258926
80 x 50 x 6	medium	maroon	32 m/s	7600 rpm	10	258927
80 x 50 x 6	very fine	maroon	32 m/s	7600 rpm	10	258928
100 x 50 x 6	coarse	maroon	32 m/s	6100 rpm	4	258929
100 x 50 x 6	medium	maroon	32 m/s	6100 rpm	4	258930
100 x 50 x 6	very fine	maroon	32 m/s	6100 rpm	4	258931

SCM mop disc

SMT 800 SPECIAL



Applications

Stainless steel	●
Steel	●

Properties

Backing plate	Glass fibre
Design	Convex 12°



Advantages: High quality non-woven mop disc for stainless steel finish work - Optimal results when used on variable speed angle grinders - Three grades

Diameter x Bore in mm	Form	Grade	Colour	Max. operating speed	Max. RPM	Recommended operating speed	Recommended RPM	Packing unit/pcs.	Cat. number
115 x 22,23		coarse	brown	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278495
115 x 22,23		medium	maroon	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278496
115 x 22,23		very fine	green	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278497
125 x 22,23		coarse	brown	80 m/s	12200 rpm	42 m/s	6400 rpm	5	278498
125 x 22,23		medium	maroon	80 m/s	12200 rpm	42 m/s	6400 rpm	5	278499
125 x 22,23		very fine	green	80 m/s	12200 rpm	42 m/s	6400 rpm	5	278500

Unitised disc

NUD 500



Applications

Alloyed steels	●
High alloy steel	●
Non-ferrous metals	●
Light metals	●
Chrome and nickel steels	●
Steel	●
Titanium	●

Properties

Grain	SiC
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Advantages: For cleaning and pre-polishing surfaces - For smoothing weld seams - Fewer work steps - Precise cleaning, clearing and finishing of surfaces - Achieves an ultra-low scratch depth on the processed material

Diameter x Width x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Recommended RPM	Packing unit/pcs.	Cat. number
115 x 13 x 22,23	coarse	grey	63 m/s	10450 rpm	5800 rpm	5	337864
115 x 13 x 22,23	medium	grey	63 m/s	10450 rpm	5800 rpm	5	337865
115 x 13 x 22,23	very fine	grey	63 m/s	10450 rpm	5800 rpm	5	337866
125 x 13 x 22,23	coarse	grey	63 m/s	9600 rpm	5300 rpm	5	337861
125 x 13 x 22,23	medium	grey	63 m/s	9600 rpm	5300 rpm	5	337862
125 x 13 x 22,23	very fine	grey	63 m/s	9600 rpm	5300 rpm	5	337863

Removal of tempering colours and pre-polishing

Surface preparation and blending

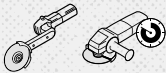
Coarse cleaning

Blending and finishing

Removal of tempering colours and pre-polishing

Unitised wheel

MFW 600



Applications

Steel	●
Stainless steel	●
NF metals	●

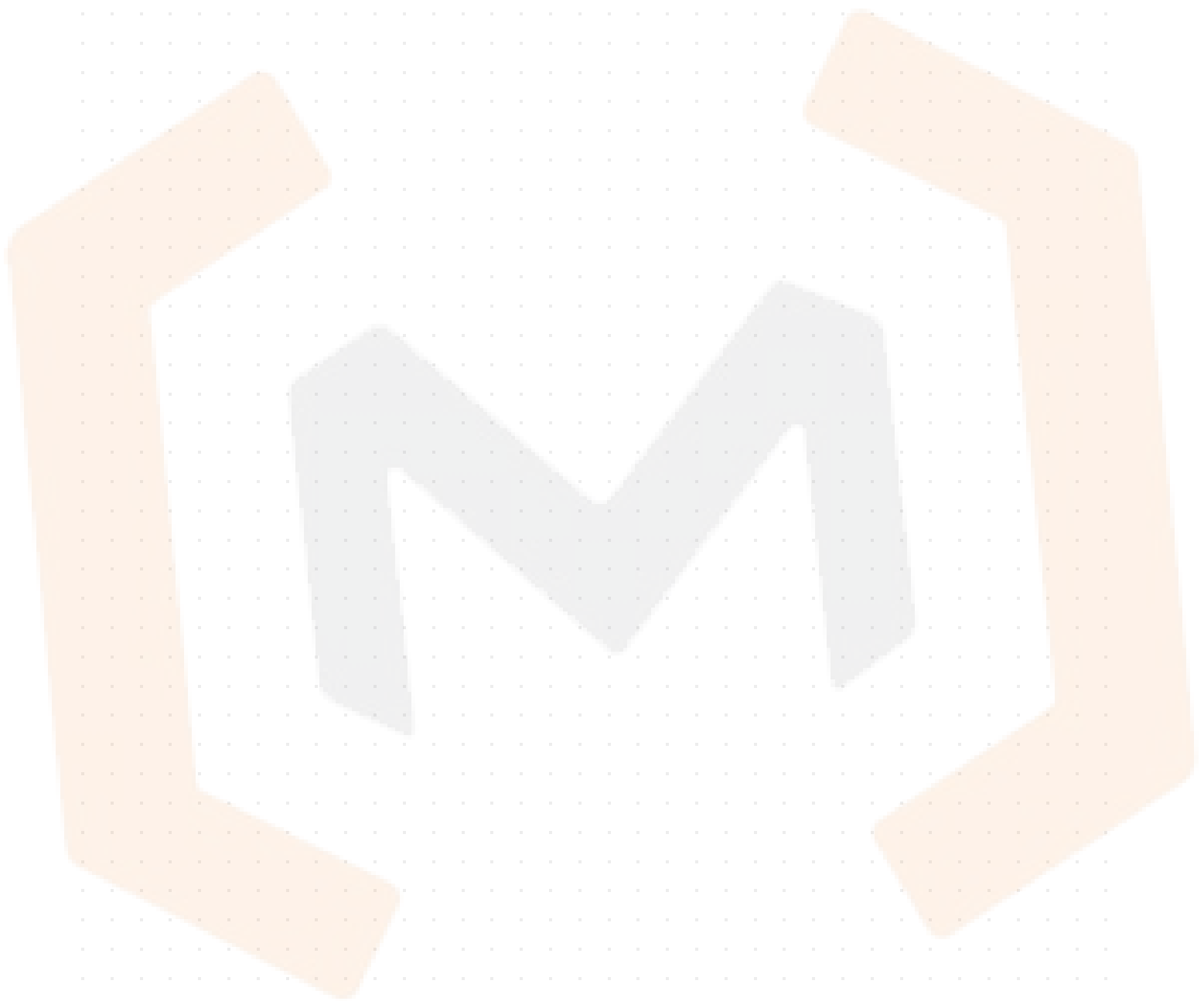
Properties

Bonding agent	Resin
Grain	SiC

Advantages: Special product for finishing stainless steel weld seams - Four different grades for material removal up to high gloss

Diameter x Width x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
125 x 6 x 22	coarse	red	59 m/s	9000 rpm	5	342218
125 x 6 x 22	medium	grey	59 m/s	9000 rpm	5	342219
125 x 6 x 22	fine	grey	39 m/s	5900 rpm	5	342237
150 x 3 x 25,4	coarse	red	59 m/s	7500 rpm	10	337948
150 x 3 x 25,4	medium	grey	59 m/s	7500 rpm	10	337949
150 x 3 x 25,4	fine	grey	39 m/s	5000 rpm	10	337950
150 x 6 x 25,4	coarse	red	59 m/s	7500 rpm	5	337944
150 x 6 x 25,4	medium	grey	59 m/s	7500 rpm	5	337945
150 x 6 x 25,4	fine	grey	39 m/s	5000 rpm	5	337946
150 x 6 x 25,4	very fine	grey	39 m/s	5000 rpm	5	337947





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