

Good. Safe. Yellow.

General Catalogue 2021



Klingspor
Abrasive Technology



Klingspor products are marked with the oSa label



What does oSa mean?

In a host of applications, grinding and cutting require very high peripheral speeds from the rotating abrasive product. These products must therefore be particularly safe so as to stand up to the extreme mechanical and thermal stress.

Regrettably there are no globally binding safety requirements for abrasive products.

This is why responsible manufacturers of abrasive products from a number of European countries set up the Organisation for the Safety of Abrasives (oSa) in 2000 and thus setting a clear signal against inferior and dangerous products.

The user recognises these quality grade products from the oSa trade name. They signify to the manufacturer and trader a reduced liability risk, a market and competitive benefit and an image gain.

As a part of their in-house quality management system, the manufacturers see to it that the exact provisions are kept to and that only safe, high quality abrasive products are produced and marketed. The fact that the oSa – Organisation for the Safety of Abrasives - issues the worldwide protected oSa trademark to members is confirmation of this internal commitment.

The oSa label does not mean that the Organisation for the Safety of Abrasives or its institutions assume any liability of the designated products.



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You will find further information on our general terms and conditions from page 390 onwards. All products with catalogue numbers are held in stock in Germany and can be delivered within a short time.

The product groups at a glance

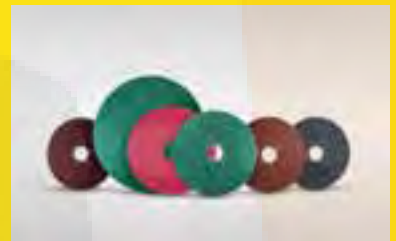
With this catalogue, Klingspor makes it quick and easy to select the products you need from our huge range of top quality abrasives. The clearly arranged categorisation into thirteen product groups will help you quickly find what you are looking for.

State-of-the-art manufacturing techniques ensure that our coated abrasives fulfill the most demanding standards of surface finish, long life and stock removal.



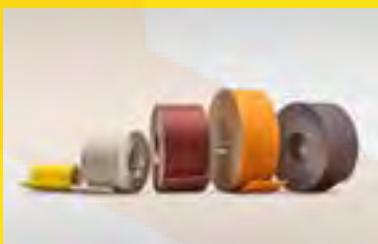
Belts

Klingspor abrasive belts are available in various sizes and grades to meet all grinding, sanding and finishing requirements for a wide range of materials and applications.



Fibre discs

Klingspor fibre discs are exceptionally suited for rough grinding work, rust removal, deburring and working on welded seams.



Rolls

Klingspor rolls for hand sanding or use with handheld machines are available in a number of special grades designed for a wide variety of materials – from wood, to metal, to paint.



Abrasive strips, sheets and discs

Klingspor strips, sheets and discs are available in various qualities and designs.



Abrasive mop wheels

The abrasive mop wheel is particularly suitable for finishing where flexibility is a must. It matches the contours of any workpiece perfectly. Klingspor has the right abrasive mop wheel for virtually every application and for nearly all types of material.

General information

Product overview



Non-woven products

Klingspor offers a large variety of non-woven products. From rolled goods, belts and wheels to abrasive angle grinder mop discs and abrasive spindle mop varieties.



Wire brushes

Klingspor wire brushes for use on the most diverse cleaning and surface preparation applications on steel and stainless steel.



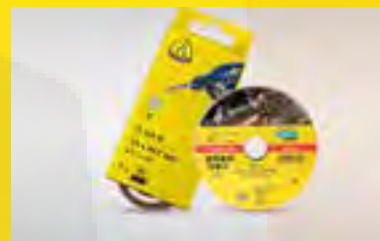
Abrasive mop discs

The performance of the Klingspor abrasive mop disc, with its fan-shaped radial arrangement of the cloth grinding flaps, far exceeds that of other abrasive products.



Kronenflex grinding discs and cutting-off wheels

Continuous innovation and the development of specialised products for all application areas enables Klingspor to offer a range of grinding discs and cutting-off wheels to satisfy every need.



D.I.Y. range

The complete range available with relevant grit ranges and assortments in customised packing units. Uniform packing design with precise product identification for quick access.



Flexible abrasives

Flexible abrasives which were developed by Klingspor for precision finishing and polishing work on all kinds of surfaces.



Carbide burs

Klingspor carbide burs are manufactured according to the highest quality standards and with utmost precision. The different cuts are adapted to meet the specific requirements of various materials and applications.



Diamond tools

Klingspor's comprehensive range of diamond tools makes it easy for any user to work faster and with greater precision and endurance. As they are made of carefully tested premium grade materials, the products included in each product line offer a wide range of possible applications and meet the highest safety standards.

General information

Product overview



Hand sanding



Hand block



Handheld brush



Orbital sander



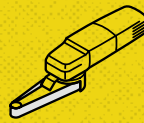
Random orbital sander



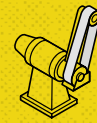
Delta sander



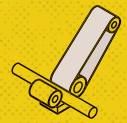
Portable belt sander



Hand tool belt grinder



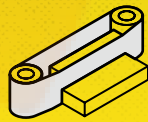
Back stand grinding machine



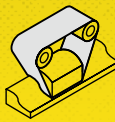
Centreless finishing machine



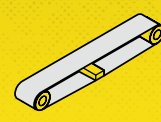
Through-feed grinding machine



Edge sanding machine



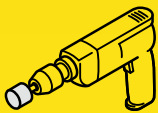
Contour finishing machine



Pad / stroke sanding machine



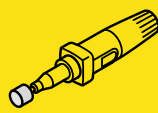
Wide belt finishing machine



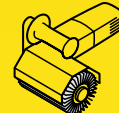
Drilling machine



Cordless screwdriver



Die grinder



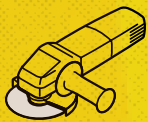
Satin finishing machine



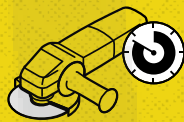
Floor standing grinder

General information

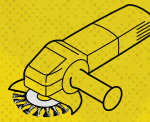
Product overview



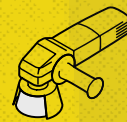
Angle grinder



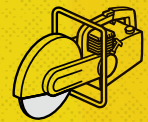
Variable speed angle grinder



Angle grinder with brush



Angle grinder with cup grinding wheel



Petrol powered cutter



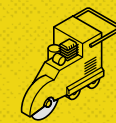
Stationary cutting machine $\leq 5\text{kW}$



Chop saw



Percussion drill



Joint cutter



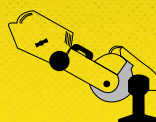
Lifting beam with mottling points



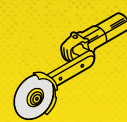
Right angle die grinder



Flexible shaft grinder



Petrol powered cutter with clamping device



Fillet weld grinder



Table saw



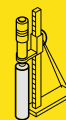
Joint router



Stationary cutting machine $> 5\text{kW}$



Parquet sander



Drill stand

Product guide

Coated abrasives

	Type	Properties	Backing	Grain type
Abrasive paper	PS 8 A	Waterproof	A-paper	SiC
	PS 8 C	Waterproof	C-paper	SiC
	PS 11 A	Waterproof	A-paper	SiC
	PS 11 C	Waterproof	C-paper	SiC
	PS 20 F		F-paper	Aluminium oxide
	PS 21 F		F-paper	Zirconia alumina
	PS 22 F ACT	ANTISTATIC	F-paper	Aluminium oxide
	PS 22 N		E-paper	Aluminium oxide
	PS 24 F ACT	ANTISTATIC	F-paper	SiC
	PS 27 DW	Specially coated, ANTISTATIC	D-paper	SiC
	PS 28 F	ANTISTATIC	F-paper	Aluminium oxide
	PS 29 F ACT	ANTISTATIC	F-paper	Aluminium oxide
	PS 30 D		D-paper	Aluminium oxide
	PL 31 B		B-paper	Aluminium oxide
	PS 33 B		B-paper	Aluminium oxide
	PS 33 C		C-paper	Aluminium oxide
	PS 38 G ACT	ANTISTATIC	G-paper	SiC
	PS 524 E	ANTISTATIC	E-paper	SiC
	PS 529 F	KULEX	F-paper	SiC agglomerate
	PS 61 F		F-paper	Ceramic aluminium oxide
	PS 729 F		F-paper	Aluminium oxide-agglomerate
	FP 73 W	Specially coated	Film	Aluminium oxide
	PS 73 BW	Specially coated	B-paper	Aluminium oxide
	PS 73 BWF	Specially coated	B-paper + foam core	Aluminium oxide
	PS 73 CWF	Specially coated	C-paper + foam core	Aluminium oxide
Self-fastening	PS 19 EK		E-paper	SiC
	PS 21 FK		F-paper	Zirconia alumina
	PS 22 K		E-paper	Aluminium oxide
	PS 33 BK		B-paper	Aluminium oxide
	PS 33 CK		C-paper	Aluminium oxide
	CS 411 XK		X-cotton	Zirconia alumina
	PS 61 FK		F-paper	Ceramic aluminium oxide
	FP 73 WK	Specially coated	Film	Aluminium oxide
	PS 73 BWK	Specially coated	B-paper	Aluminium oxide
	PS 73 CWK	Specially coated	C-paper	Aluminium oxide
	PS 77 CK T-ACT	T-ACT coating	C-paper	Aluminium oxide
	FP 77 K T-ACT	T-ACT coating	Film	Aluminium oxide

Cloth

JF	Cotton, light, highly flexible
GX	Blended cloth, light, flexible
J	Cotton, light
XF	Cotton, heavy, flexible
X	Cotton, heavy
Y	Polyester, heavy, highly firm
Z	Polyester, heavy, highly firm, can be divided into segments

Paper

A	approx. 95 g/m ²
B	approx. 105 g/m ²
C	approx. 110 g/m ²
D	approx. 130 g/m ²
E	approx. 250 g/m ²
F	approx. 300 g/m ²
G	approx. 400 g/m ²

Product guide

Coated abrasives



					Page									
Type	Coating	Bonding agent	Waterproof	Available grits	Rolls	File belts	Belts for handheld grinders	Short and long belts	Spirabands	Wide belts	Fibre discs	Strips	Sheets	Discs
PS 8 A	●	K	✓	180–2500									117	
PS 8 C	●	K	✓	60–150									117	
PS 11 A	●	K	✓	220–2000									119	
PS 11 C	●	K	✓	60–400, 600, 1000									118	140
PS 20 F	●	K		60–240, 320, 400				52		82				
PS 21 F	●	K		40, 60–320, 400				52		82				
PS 22 F ACT	●	K		40, 60–400	22			52		83		123		
PS 22 N	○	K		24, 40, 60–240, 320, 400	23									
PS 24 F ACT	●	K		80, 120–800				53		84				
PS 27 DW	○	K		180–320, 400, 600				53		84				
PS 28 F	○	K		40–320, 400–1000				54		85				
PS 29 F ACT	○	K		40–320, 400	27			54		85				
PS 30 D	○	K		40, 60–240, 320	23							123	120	
PL 31 B	○	L		40–320, 400	24							124	120	
PS 33 B	○	K		150–320, 400–600	26								122	
PS 33 C	○	K		40, 60–120	25								121	
PS 38 G ACT	●	K		80–180						86				
PS 524 E	●	K		40, 60–800				53		83				
PS 529 F		K		120, 180, 240, 320, 400				56		87				
PS 61 F	●	K		60, 80, 120–320, 400				55		86				
PS 729 F		K		180, 240, 320, 400				56		87				
FP 73 W	○	K		80–180, 240, 320, 400, 600–1500				56				128		
PS 73 BW	○	K		150–1500									122	
PS 73 BWF	○	K		180, 240, 320, 400, 600	28									
PS 73 CWF	○	K		120	27									
PS 19 EK	●	K		36, 40, 60–120, 220, 320, 400, 600, 800, 1200								125		141
PS 21 FK	●	K		40, 60–180, 240, 320, 400										141
PS 22 K	○	K		24, 40, 60–240, 320, 400								125		142
PS 33 BK	○	K		150–320, 400–600								127		148
PS 33 CK	○	K		40, 60–120								126		146
CS 411 XK	●	K		40, 60, 80										160
PS 61 FK	●	K		40, 60, 80, 120–180, 240, 280										149
FP 73 WK	○	K		80–180, 240, 320, 400, 600–1500										150
PS 73 BWK	○	K		150–1500										152
PS 73 CWK	○	K		40, 60–120										151
PS 77 CK T-ACT	○	K		60–220								129		154
FP 77 K T-ACT	○	K		240–2000								128		153

● = close ○ = semi-open ○ = open

Bonding agent

K Resin
L Glue

Product guide

Coated abrasives

	Type	Properties	Backing	Grain type
Abrasive cloth	CS 308 Y		Y-polyester	Aluminium oxide
	LS 309 J		J-cotton	Aluminium oxide
	LS 309 JF		JF-cotton	Aluminium oxide
	LS 309 X		X-cotton	Aluminium oxide
	LS 309 XH		X-cotton	Aluminium oxide
	CS 310 X		X-cotton	Aluminium oxide
	CS 310 XF		XF-cotton	Aluminium oxide
	CS 311 Y ACT	ANTISTATIC	Y-polyester	Aluminium oxide
	LS 312 JF		JF-cotton	Aluminium oxide
	LS 313 JF	Multibond	JF-cotton	Aluminium oxide
	LS 314 JF		JF-cotton	Aluminium oxide
	LS 318 JF ACT	ANTISTATIC	JF-cotton, SUPERFLEX	Aluminium oxide
	CS 320 Y	Waterproof	Y-polyester	SiC
	CS 321 X	Waterproof	X-cotton	SiC
	CS 322 X	Waterproof	X-cotton	Cork
	CS 325 Y	KULEX, waterproof	Y-polyester	SiC agglomerate
	CS 326 Y	KULEX, waterproof	Y-polyester	Aluminium oxide-agglomerate
	CS 329 Y	KULEX	Y-polyester	Aluminium oxide-agglomerate
	CS 330 X	Waterproof	X-cotton	SiC / Cork
	CS 333 JF		JF-cloth	SiC
	CS 333 X		X-cotton	SiC
	CS 333 XF		XF-cotton	SiC
	CS 336 Y	ANTISTATIC	Y-polyester	SiC
	CS 341 X	Waterproof	X-cotton	Aluminium oxide
	KL 361 JF		JF-cotton	Aluminium oxide
	KL 371 X		X-cotton	Aluminium oxide
	KL 385 JF		JF-cotton	Aluminium oxide
	CS 409 Y	Multibond	Y-polyester	Zirconia alumina
	CS 410 X	Multibond	X-cotton	Aluminium oxide
	CS 411 X		X-cotton	Zirconia alumina
	CS 411 Y	Waterproof	Y-polyester	Zirconia alumina
	CS 412 Y	Waterproof	Y-polyester	Aluminium oxide
	CS 416 Y	Waterproof	Y-polyester	Zirconia alumina
	CS 420 Y	Waterproof, NOPPEX	Y-polyester	Aluminium oxide
	CS 451 X	Multibond	X-cotton	Zirconia alumina
	GX 533 JF		JF-blended cloth	SiC
	CS 538 Z ACT	ANTISTATIC	Z-polyester	SiC
	CS 631 XF	Multibond	XF-cotton	Ceramic aluminium oxide
	CS 710 XF		XF-cotton	Aluminium oxide
	GX 712 JF		JF-blended cloth	Aluminium oxide
	CS 811 Y ACT	Waterproof	Y-polyester	Zirconia alumina
	CS 910 Y ACT	Multibond	Y-polyester	Ceramic aluminium oxide
	CS 912 Y ACT	Waterproof	Y-polyester	Ceramic aluminium oxide
	CS 931 JF	Multibond	JF-cotton	Ceramic aluminium oxide
	GX 931 JF	Multibond	JF-blended cloth	Ceramic aluminium oxide

Cloth

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GX	Blended cloth, light, flexible
J	Cotton, light
XF	Cotton, heavy, flexible
X	Cotton, heavy
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Product guide

Coated abrasives



					Page									
Type	Coating	Bonding agent	Waterproof	Available grits	Rolls	File belts	Belts for handheld grinders	Short and long belts	Spirabands	Wide belts	Fibre discs	Strips	Sheets	Discs
CS 308 Y	●	K		40, 60–180, 240				57		88				
LS 309 J	●	K		60–500				58						
LS 309 JF	●	K		60–400, 600	29			59						
LS 309 X	●	K		40–320	29	46		57						
LS 309 XH	●	K		40–180, 240			50							
CS 310 X	●	K		24, 36–320, 400–600				59	74	88				
CS 310 XF	●	K		40–280		46								
CS 311 Y ACT	○	K		36–220				60		89				
LS 312 JF	●	K		60–320, 400				61						
LS 313 JF	●	K		80–240, 320				61						
LS 314 JF	●	K		120, 240–320, 400				62						
LS 318 JF ACT	○	K		80–180, 240, 400				62						
CS 320 Y	●	K	✓	24, 40, 60–120, 180				62		89				
CS 321 X	●	K	✓	80–320, 400, 500, 800				63		90				
CS 322 X	●	K	✓	Polishing fineness				63						
CS 325 Y		K	✓	80, 120, 180, 240, 320, 400, 600, 800, 1200				63						
CS 326 Y		K	✓	60, 80, 120, 180, 240, 320, 400, 600, 800				64		90				
CS 329 Y		K		80, 120, 180, 240, 320, 400, 600				64		91				
CS 330 X	●	K	✓	220, 280, 400, 600, 800				65		91				
CS 333 JF	●	K		120–180, 240–320				66						
CS 333 X	●	K		24, 40, 60–150				65						
CS 333 XF	●	K		60–100, 240, 280				65						
CS 336 Y	○	K		36, 40, 50						92				
CS 341 X	●	K	✓	60–320, 400, 500, 600				66		92				
KL 361 JF	●	K		30, 40–600	30							134	131	
KL 371 X	●	L		30–320, 400									132	
KL 385 JF	●	K		40, 60–320, 400, 600	33								133	
CS 409 Y	●	K		36–120				66		93				
CS 410 X	●	K		40, 60–120, 180				67						
CS 411 X	●	K		24, 36–80, 120				67						
CS 411 Y	●	K	✓	24, 36–120		47		68		93				
CS 412 Y	●	K	✓	24, 36, 40, 60–180, 240				69		94				
CS 416 Y	○	K	✓	24, 36–120				69						
CS 420 Y		K	✓	120, 180, 240, 320, 400				70						
CS 451 X	●	K		40, 60, 80					75					
GX 533 JF	●	K		80–120, 180, 240–320, 400, 600				70						
CS 538 Z ACT	●	K		36–180						94				
CS 631 XF	○	K		60–120				70						
CS 710 XF	●	K		80–180, 240		48		71						
GX 712 JF	●	K		60–320, 400				71						
CS 811 Y ACT	●	K	✓	24, 36–80				72						
CS 910 Y ACT	●	K		24, 36–80				72						
CS 912 Y ACT	●	K	✓	36–180		49		72		95				
CS 931 JF	○	K		80–120, 180, 240–320, 400				73						
GX 931 JF	○	K		60–150, 280				73						

● = close ● = semi-open ○ = open

Bonding agent

K Resin
L Glue

Product guide

Coated abrasives

	Type	Properties	Backing	Grain type
Fibre discs	CS 561		Fibre	Aluminium oxide
	FS 764 ACT		Fibre	Aluminium oxide
	CS 565		Fibre	Zirconia alumina
	CS 570	Multibond	Fibre	Zirconia alumina
	FS 964 ACT		Fibre	Ceramic aluminium oxide
	FS 966 ACT	Multibond	Fibre	Ceramic aluminium oxide
Non-woven web and surface conditioning material	AN 400	Waterproof	Abrasive screen	Aluminium oxide
	NRO 400		Non-woven web	Aluminium oxide
	NRO 500		Non-woven web	SiC
	NPA 400		Non-woven web	Aluminium oxide
	NPA 500		Non-woven web	SiC
	SV 484		Surface conditioning material	Aluminium oxide
	NDS 400 K	Waterproof	Non-woven web with self-fastening	Aluminium oxide / SiC
	NDS 800		Surface conditioning material	Aluminium oxide
	NBF 800	Waterproof	Surface conditioning material	Aluminium oxide
	NBS 800	Waterproof	Surface conditioning material	Aluminium oxide
	FD 500	Waterproof	Foam core	Aluminium oxide / SiC
	SK 500	Abrasive hand block, flexible, waterproof	Sponge	Aluminium oxide
	SK 700 A	Abrasive hand block, waterproof	Sponge	Aluminium oxide
	SW 501	Abrasive sponge, waterproof	Sponge	Aluminium oxide
	SW 501 TR	Abrasive sponge, tear resistant, waterproof	Sponge	Aluminium oxide
	SW 502	Abrasive sponge, waterproof	Sponge	SiC
	SW 510	Abrasive sponge, waterproof	Sponge	Aluminium oxide

Cloth

JF	Cotton, light, highly flexible
GX	Blended cloth, light, flexible
J	Cotton, light
XF	Cotton, heavy, flexible
X	Cotton, heavy
Y	Polyester, heavy, highly firm
Z	Polyester, heavy, highly firm, can be divided into segments

Paper

A	approx. 95 g/m ²
B	approx. 105 g/m ²
C	approx. 110 g/m ²
D	approx. 130 g/m ²
E	approx. 250 g/m ²
F	approx. 300 g/m ²
G	approx. 400 g/m ²

Product guide

Coated abrasives



					Page										
	Type	Coating	Bonding agent	Waterproof	Available grits	Rolls	File belts	Belts for handheld grinders	Short and long belts	Spirabands	Wide belts	Fibre discs	Strips	Sheets	Discs
Fibre discs	CS 561	●	K		16–240, 320							100			
	FS 764 ACT	●	K		24, 36, 40, 60, 80, 120							102			
	CS 565	●	K		24, 36–100							103			
	CS 570	●	K		24, 36–120							104			
	FS 964 ACT	●	K		24, 36–80, 120							105			
	FS 966 ACT	●	K		24, 36–60, 80, 120							106			
Non-woven web and surface conditioning material	AN 400	○	K	✓	80–800	35							129		156
	NRO 400		K		medium, fine, very fine	204									
	NRO 500		K		medium, ultra fine	205									
	NPA 400		K		coarse, medium, very fine								205		
	NPA 500		K		medium, ultra fine, without grain								206		
	SV 484		K		coarse, medium, very fine										208
	NDS 400 K		K	✓	very fine, ultra fine										208
	NDS 800		K		coarse, medium, very fine										209
	NBF 800		K	✓	coarse, medium, very fine	206									
	NBS 800		K	✓	coarse, medium, very fine				207						
	FD 500	●	K	✓	1000, 1500, 2000, 3000										158
	SK 500	●	K	✓	60, 80, 100, 120, 180, 220, 280								135		
	SK 700 A	●	K	✓	60, 80, 100, 120								135		
	SW 501	●	K	✓	120, 220								136		
	SW 501 TR	●	K	✓	100–220								136		
	SW 502	●	K	✓	120, 220								137		
	SW 510	●	K	✓	100, 180, 220, 320								137		

● = close ◐ = semi-open ○ = open

Bonding agent

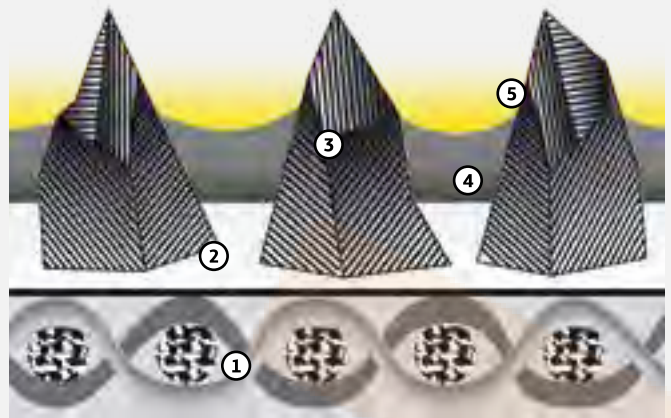
K Resin
L Glue

Coated abrasives

Applications guide

Coated abrasives are abrasive products that are made out of more or less flexible backing material upon which grit is anchored with a bonding agent. The product family “coated abrasives” includes abrasive belts, rolls, sheets, strips and discs. They comprise of the following four, optionally also five, components (please refer to the illustration on the right).

- ▶ 1. Backing
- ▶ 2. Base coat
- ▶ 3. Grit
- ▶ 4. Topsize coat
- ▶ 5. Optional: additional coating



Structure

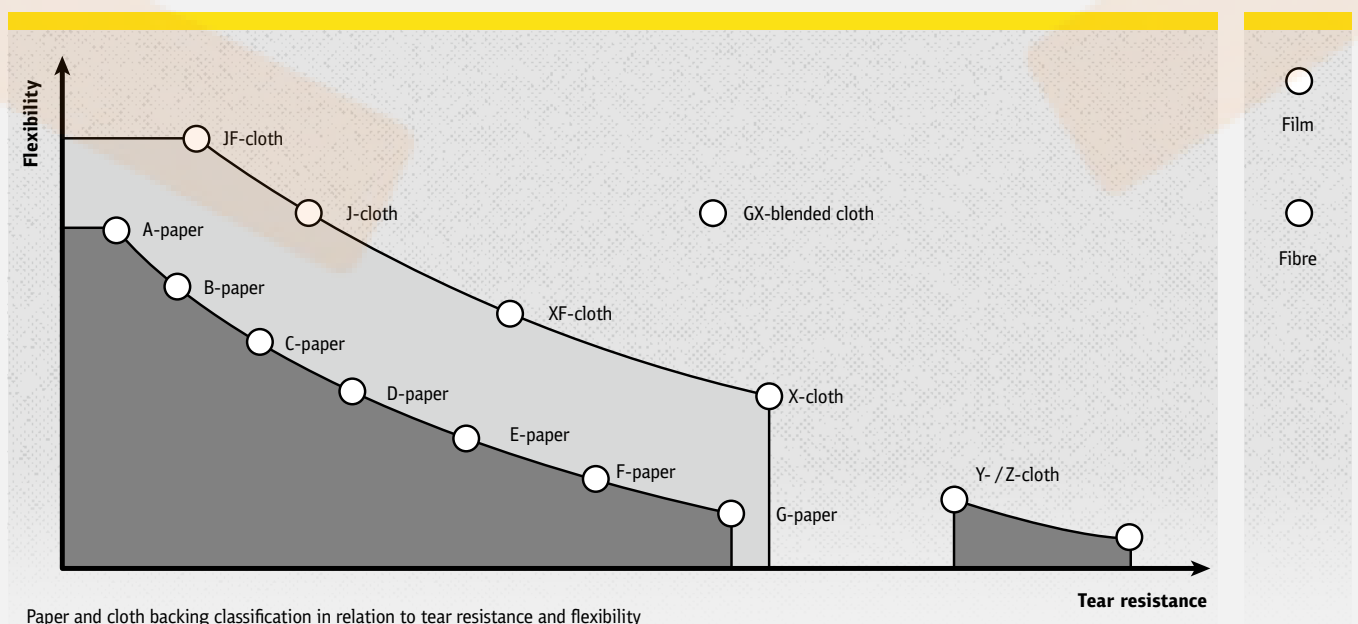
1. Coated abrasive backing

The backing is coated with grit and transfers stock removal forces onto the workpiece. The following backings are primarily used in the manufacture of coated abrasives:

- ▶ Paper
- ▶ Cotton cloth
- ▶ Polyester cloth

In addition, at Klingspor the following backings are used exclusively for individual products and/or for specific requirements/applications:

- ▶ Fibre (is used exclusively for fibre discs on portable angle grinders)
- ▶ Film (is used exclusively for the products FP 73 W and FP 73 WK)
- ▶ GX-blended cloth (special cotton/polyester blend for flexible yet highly tear resistant belts)



Backing	Description	Application examples
A – paper	approx. 95 g/m ²	profile + surface finishing (hand)
B – paper	approx. 105 g/m ²	profile + surface finishing (hand and machine)
C – paper	approx. 110 g/m ²	surface finishing (hand and machine)
D – paper	approx. 130 g/m ²	surface finishing (hand and machine)
E – paper	approx. 250 g/m ²	surface grinding and sanding (machine)
F – paper	approx. 300 g/m ²	surface grinding and sanding (machine)
G – paper	approx. 400 g/m ²	surface grinding and sanding (machine)
JF – cloth	light, highly flexible	high profiled workpieces (hand and machine)
GX – blended cloth	light, flexible	profiled workpieces (machine)
J – cloth	light, flexible	profiled workpieces (hand and machine)
XF – cloth	heavy, flexible	hand tool belt grinder
X – cloth	heavy, firm	surface and edge grinding and sanding (hand and machine)
Y – polyester	heavy, highly firm	surface and edge grinding and sanding (machine)
Z – polyester	heavy, highly firm, can be segmented	surface grinding (machine)
Film	polyester film	finishing
Fibre	vulcanised fibre	grinding and finishing

2. Base coat

In the base coat step the grit is anchored. The basic bond is the connection between the grit and the backing. It is primarily formed using resin, this provides it with its consistent high quality properties. Glue is only added to a few abrasive papers that are used with hand operated machines and applications.

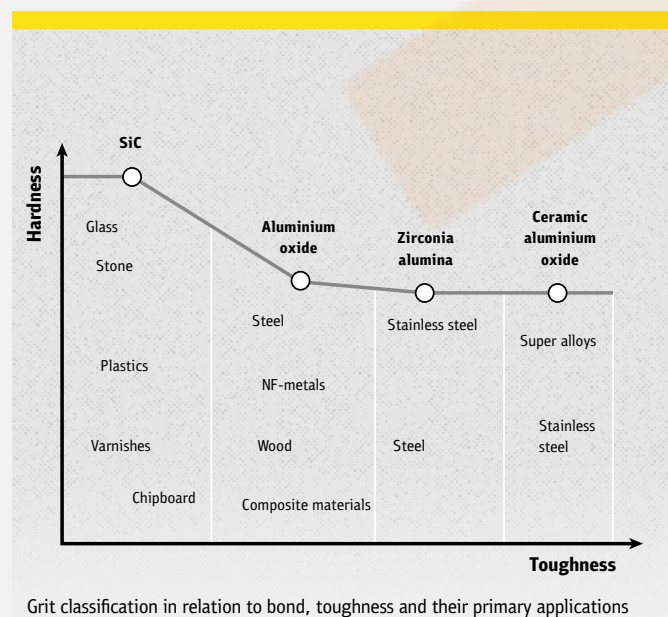
3. Grit

Grit is responsible for stock removal. When selecting the correct grit two properties are particularly important:

- Bond
- Toughness

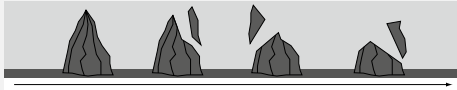
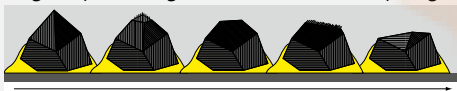
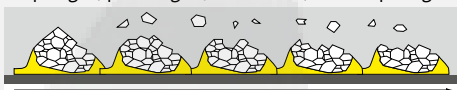
All Klingspor grit types are produced synthetically. This ensures a consistently high quality product. Four different grit types are used with coated abrasives:

- Silicon carbide
- Aluminium oxide
- Zirconia alumina
- Ceramic aluminium oxide

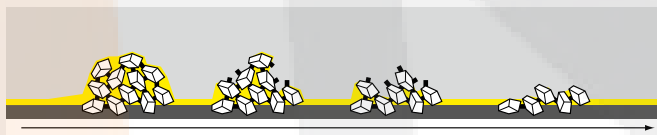


Coated abrasives

Applications guide

Grain type	Bond / toughness	Structure	Properties / wear properties
Silicon carbide (SiC)	very hard / less tough	crystalline	sharp-edged, brittle, highly friable / micro-wear 
Aluminium oxide	hard / tough	crystalline, irregular	wedge-shaped, block grain, even wear 
Zirconia alumina	hard / very tough	crystalline, even	wedge-shaped, block grain / micro-wear, self-sharpening 
Ceramic aluminium oxide	hard / very tough	micro-crystalline	sharp-edged, pointed grit / micro-wear, self-sharpening 

Grit type properties and their specific wear properties



Definition	Description
Close coating	The entire surface of the backing is coated with grit
Semi-open coating	Approx. 75% of the backing surface is coated with grit
Open coating	Approx. 50% of the backing surface is coated with grit

In addition, there are also so-called grit agglomerates. This is not an independent grit type, rather it is a grit agglomeration which is comprised of many individual aluminium-oxide or SiC-grits mixed with a resin bonding agent, which together form a large grit. Agglomerates are used almost exclusively on abrasive belts.

The advantage of agglomerates is that they provide an even finish from the first use to the last. Dull grit breaks off from the agglomerate and creates space for new, sharp grit. The objective is to attain an even finish through continual stock removal and an extremely long service life.

Coating

Moreover, the coated abrasives are coated with different grit coverage densities. The term "grit density" describes the grit coverage density distributed on the backing.

One differentiates between:

- close coating
- semi-open coating
- open coating

Open coated grit has a large space between the individual grits, such that the stock removal and the grinding dust can be extracted more easily from the grinding surface. This prevents premature clogging when working on long-chipping materials, such as wood.

The decision as to which grit density to use is primarily dependent upon how great the likelihood is that the grinding dust will clog the space between the grits.

Grit size chart

	Extra fine												Fine		Coarse		Extra coarse																																					
	Micro finishing		Finishing										Inter- mediate grinding	Rough grinding																																								
FEPA	P 2000		P 1500		P 1200		P 1000		P 800		P 600		P 500		P 400		P 360		P 320		P 280		P 240		P 220		P 180		P 150		P 120		P 100		P 80		P 60		P 50		P 40		P 36		P 30		P 24		P 20		P 16		P 12	
ANSI					600		500		400		360		320		280		240		220		180		150		120		100		80		60		50		40		36		30		24		20		16		12							
JIS	2000		1500		1200		1000		800		600		500		400		360		320		280		240		220		180		150		120		100		80		60		50		40		36		30		24		20		16		12	

4. Size coat

The size coat supports the base coat in the anchoring of the grit on the backing and against forces which affect the grit during grinding. The cover bonds are produced exclusively from resin and also provide the product with its typical colour (exceptions are coated abrasives with additional coatings).

5. Special coatings

Special coatings with grinding aids provide the grinding tool properties that positively affect the grinding process and extends the service life of the coated abrasive. Special coatings are applied as an additional layer.

Stearate coating

The stearate on a coated abrasive prevents the clogging and loading of the belt and is specifically suited for high quality varnish surface applications. Paints, varnishes and plastics can become soft and sticky through the heat generated from grinding, this can result in the premature clogging and loading of the belt. The dust clogs the space between the grits and this can result in additional "negative bond". This clogs the grits and the sharp edges are no longer effective. To prevent this from happening or to slow the process down, the coated abrasives can be coated with a non-stick material, so-called stearates.

Multibond

The multibond, like the stearate coating, is applied in an additional production step to the cover bond layer. This allows the cool grinding of stainless steel and high alloy steels, which in turn increases the stock removal rate and service life.

ACT – Advanced Coating Technology

Klingspor uses this technology to improve the properties of the coated abrasives. When working on metal, ACT provides significantly higher grit adhesion, e.g. for aggressive belt grinding of the edges of punched parts and castings. This significantly increases the life of the grinding belt. For belts that are used for wood and varnish sanding, ACT prevents the premature clogging of the coated abrasives and significantly increases the service life.

Antistatic

Electrode migration is the result of friction i.e. grinding between different materials, and in turn causes charge separation, which in the case of non-conductive materials, such as wood, results in the load differences not being balanced. In these cases, the coated abrasive is equipped with antistatic properties that ground the electrical charge through the coated abrasive and the machine. This prevents the grinding dust from adhering to the workpiece, belt and machine.



Rolls



About the product

Our range of abrasive rolls holds an extensive selection of high quality abrasives for use on handheld machines and for hand sanding. The vast selection of backings – from paper to cloth and from combo backings to foam and non-woven web material – combined with the wide range of available grit sizes make Klingspor's rolled abrasives the ideal solution for surface treatment and profile sanding on all common materials – be it wood, metal, and plastic or paint, varnish and filler.

Find the right product in four easy steps

Step 1: Application/Material

Select the material you wish to process from column 1 in the table below.

Step 2: Machine

Specify in column 2 if you will be working with an orbital sander or by hand.

Step 3: Shape

Decide in column 3 if the abrasive needs to be suitable for use on level surfaces, for applications on profiled workpieces or for both. The symbols used in the table indicate for each application whether the application is a main application (●) or a possible application (○).

Step 4: Decision

Based on your pre-selection, you can pick the abrasive in column 4 of the table that matches your specific use case best. Turn to pages 14 and 15 if you require more detailed information on the listed product characteristics of grain, coating and backing.

Type	Grit range
PS 22 F ACT	40–150
PS 28 F	60–150
PS 29 F ACT	60–150
CS 308 Y	40–80, 120
LS 309 X	40–360
LS 309 J	60–320
LS 309 JF	60–400
CS 310 X	24–400
CS 310 XF	40–280
LS 312 JF	60–320, 400
CS 321 X	80–400
CS 333 X	60, 80, 120, 150
CS 341 X	50–320
KL 361 JF	40–600
KL 385 JF	40–600
CS 410 X	60–120
CS 411 X	24–120
CS 411 Y	36–80

Paper	
B	approx. 105 g/m ²
C	approx. 110 g/m ²
D	approx. 130 g/m ²
E	approx. 250 g/m ²
F	approx. 300 g/m ²
Cloth	
X	Cotton, heavy
J	Cotton, light
JF	Cotton, light, highly flexible
Y	Polyester, heavy, high strength
XF	Cotton, heavy, flexible

Minimum order quantities for made to order items

Width	Minimum order quantities	Width	Minimum order quantities
10 mm	29 pieces	80 mm	3 pieces
15 mm	19 pieces	95 mm	3 pieces
20 mm	14 pieces	100 mm	3 pieces
25 mm	12 pieces	120 mm	2 pieces
28 mm	10 pieces	125 mm	2 pieces
30 mm	10 pieces	140 mm	2 pieces
35 mm	8 pieces	150 mm	2 pieces
40 mm	7 pieces	250 mm	1 piece
50 mm	6 pieces	300 mm	1 piece
60 mm	5 pieces		



The standard length for production rolls is 50M.

We reserve the right to over-deliver or under-deliver made to order items.

Other sizes and grits available on request.

Rolls

Product finder

Application / material	Machine		Form		Product		Product properties			
	Hand sanding	Orbital sander	Profile	Surface	Standard	Premium	Bonding agent	Grain	Coating	Backing
Wood		●		●	<i>PS 22 N</i>		Resin	Aluminium oxide	○	E-paper
		●		●		<i>PS 22 F ACT</i>	Resin	Aluminium oxide	●	F-paper
		●		●		<i>PS 29 F ACT</i>	Resin	Aluminium oxide	○	F-paper
	●	●	●	●		<i>LS 309 JF</i>	Resin	Aluminium oxide	●	JF-cotton
	●	●	●	○	<i>PL 31 B</i>		Glue	Aluminium oxide	○	B-paper
	●		○	●	<i>PS 30 D</i>		Resin	Aluminium oxide	○	D-paper
		●		●		<i>AN 400</i>				
Varnish, paint, plastics	●		●	○	<i>PL 31 B</i>		Glue	Aluminium oxide	○	B-paper
	●		○	●	<i>PS 30 D</i>		Resin	Aluminium oxide	○	D-paper
	●	●	●	●		<i>PS 33 B</i>	Resin	Aluminium oxide	○	B-paper
	●	●	●	●		<i>PS 33 C</i>	Resin	Aluminium oxide	○	C-paper
	●		●	○		<i>PS 73 BWF</i>	Resin	Aluminium oxide	○	B-paper + foam core
	●		●	○		<i>PS 73 CWF</i>	Resin	Aluminium oxide	○	C-paper + foam core
		●		●		<i>AN 400</i>				
Metals	●		●	○	<i>KL 385 JF</i>		Resin	Aluminium oxide	●	JF-cotton
	●		●	○		<i>KL 361 JF</i>	Resin	Aluminium oxide	●	JF-cotton
	●	●		●		<i>LS 309 X</i>	Resin	Aluminium oxide	●	X-cotton
	●	●	●	●		<i>LS 309 JF</i>	Resin	Aluminium oxide	●	JF-cotton



Width x length [mm]	Grit size																		Page
	30	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	
115 x 50000		●		●	●	●	●	●	●	○	●		○		○				23
95 x 50000				●	●	●	●	●	●										
110 x 50000		●		●	●	●	●	●	●	○	●	○	○	○	○				
115 x 50000		●		●	●	●	●	●	●	●	●	○	○	○	○				22
150 x 50000				○	●	●	●	○	○	○	○	○	○	○	○				
200 x 50000		●		●	●	○	●	○	○	○	○	○	○	○	○				
110 x 50000		○	○	○	●	●	●	●	●	○	○	○	○		○				27
115 x 50000		○	○	●	●	●	●	●	○	○	○	○	○		○				
1) ¹⁾				○	○	○	○	○	○	○	○	○	○		○		○	○	29
95 x 50000		●	○	●	●	●	●	○	●	○	●	○	○		○				
110 x 50000		●	○	●	●	●	●	●	●	●	●	●	●		●				24
115 x 50000		●	○	●	●	●	●	●	●	●	●	●	●		●				
115 x 4500		●		●	●	●	●	●	●	○	○		○						23
115 x 50000		●		●	●	●	●	●	●	○	●		●						
																			35
95 x 50000		●	○	●	●	●	●	○	●	○	●	○	○		○				
110 x 50000		●	○	●	●	●	●	●	●	●	●	●	●		●				24
115 x 50000		●	○	●	●	●	●	●	●	●	●	●	●		●				
115 x 4500		●		●	●	●	●	●	●	○	○		○						
115 x 50000		●		●	●	●	●	●	●	○	●		●						23
110 x 50000								●	●	●	●	●	●		●	○	○		26
115 x 50000								●	●	●	●	●	●		●	○	○		
110 x 50000		○		●	●	●	●												25
115 x 50000		○		●	●	●	●												
115 x 25000								●	●		●		●		●		●		28
115 x 25000							●												27
																			35
25 x 50000		○	○	●	●	●	●	○	○	○	○	○	○		○		○		
40 x 50000		●	○	●	●	●	●	●	●	●	●	○	●		●		○		
50 x 50000		●	○	●	●	●	●	●	●	●	●	○	●		●		○		33
115 x 50000		●	○	●	●	●	●	●	●	○	●	○	●		●		○		
80 x 50000	○	○	○	○	●	○	●	●	○	○	○	○	○	○	○	○	○		
100 x 50000	○	●	●	●	●	●	●	●	●	●	●	○	●	○	●	○	●		
110 x 50000	○	●	○	●	●	●	●	○	●	○	●	○	○	○	○	○	○		30
115 x 50000	○	●	○	●	●	●	●	●	●	○	●	○	●	○	○	○	○		
120 x 50000	○	○	○	●	●	●	●	○	●	○	○	○	○	○	○	○	○		
150 x 50000	○	●	○	●	●	●	●	●	○	○	○	○	○	○	○	○	○		
1) ¹⁾		○	○	○	○	○	○	○	○	○	○	○	○		○				29
1) ¹⁾				○	○	○	○	○	○	○	○	○	○		○		○	○	30

Rolls with paper backing

Coated abrasives

Abrasive paper

PS 22 F ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

Applications

Wood	●	NF metals	○
Metals	○		
Plastic	○		
Steel	○		

Advantages: High abrasive performance - Uniform, fine surface scratch pattern - Premium product for use on hardwood, varnish, filler - Long service life and minimal clogging due to ACT recipe - High edge stability

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
95 x 50000	60	1	20822	1
95 x 50000	80	1	20850	1
95 x 50000	100	1	20884	1
95 x 50000	120	1	20916	1
95 x 50000	150	1	20940	1
95 x 50000	180	1	20960	1
110 x 50000	40	1	2969	1
110 x 50000	60	1	2971	1
110 x 50000	80	1	2972	1
110 x 50000	100	1	2973	1
110 x 50000	120	1	2974	1
110 x 50000	150	1	2975	1
110 x 50000	180	1	2976	1
110 x 50000	240	1	2978	1
115 x 50000	40	1	2983	1
115 x 50000	60	1	2985	1
115 x 50000	80	1	2986	1
115 x 50000	100	1	2987	1
115 x 50000	120	1	2988	1
115 x 50000	150	1	2989	1
115 x 50000	180	1	2990	1
115 x 50000	220	1	2991	1
115 x 50000	240	1	2992	1
150 x 50000	80	1	3014	1
150 x 50000	120	1	3016	1
200 x 50000	40	1	3053	1
200 x 50000	60	1	3055	1
200 x 50000	80	1	3056	1
200 x 50000	120	1	3058	1

Rolls with paper backing

Coated abrasives



Abrasive paper

PS 22 N



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

Applications

Wood	●	Steel	○
Metals	○		
Paint/Varnish/Filler	○		
Plastic	○		

Advantages: Universal product for hand sanding and handheld machine sanding of virtually any material - Large grit range allows use from rough sanding to finishing

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 50000	40	1	244611	1
115 x 50000	60	1	244612	1
115 x 50000	80	1	244613	1
115 x 50000	100	1	244614	1
115 x 50000	120	1	244615	1
115 x 50000	150	1	244616	1
115 x 50000	180	1	244599	1
115 x 50000	240	1	244597	1

Abrasive paper, DIY

PS 30 D



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	D-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Metals	○

Advantages: Sharp grit and high aggressiveness for use on wood, varnish, fillers - Flexible and tear resistant, easy folding - Product with good price-performance ratio

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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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 4500	40	10	174094	1
115 x 4500	60	10	174095	1
115 x 4500	80	10	174096	1
115 x 4500	100	10	174097	1
115 x 4500	120	10	174098	1



Rolls with paper backing

Coated abrasives

►► Continuation of PS 30 D, Abrasive paper

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 4500	150	10	174099	1
115 x 4500	180	10	174100	1
115 x 50000	40	1	174086	1
115 x 50000	60	1	174088	1
115 x 50000	80	1	174089	1
115 x 50000	100	1	174090	1
115 x 50000	120	1	174091	1
115 x 50000	150	1	174092	1
115 x 50000	180	1	174093	1
115 x 50000	240	1	182418	1
115 x 50000	320	1	182419	1

Finishing paper

PL 31 B



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Metals	○

Advantages: Product with optimal price-performance ratio - Optimised wear properties for hand sanding and handheld machine sanding

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
95 x 50000	60	1	3281	1
95 x 50000	80	1	3282	1
95 x 50000	100	1	3191	1
95 x 50000	120	1	3192	1
95 x 50000	180	1	3194	1
95 x 50000	240	1	3196	1
110 x 50000	40	1	3287	1
110 x 50000	60	1	3289	1
110 x 50000	80	1	3290	1
110 x 50000	100	1	3213	1
110 x 50000	120	1	3214	1
110 x 50000	150	1	3215	1
110 x 50000	180	1	3216	1
110 x 50000	220	1	3217	1
110 x 50000	240	1	3218	1
110 x 50000	280	1	3219	1
110 x 50000	320	1	3220	1
110 x 50000	400	1	3222	1
115 x 50000	40	1	3291	1



Rolls with paper backing

Coated abrasives



Rolls

►► Continuation of PL 31 B, Finishing paper

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 50000	60	1	3293	1
115 x 50000	80	1	3294	1
115 x 50000	100	1	3224	1
115 x 50000	120	1	3225	1
115 x 50000	150	1	3226	1
115 x 50000	180	1	3227	1
115 x 50000	220	1	3228	1
115 x 50000	240	1	3229	1
115 x 50000	280	1	3230	1
115 x 50000	320	1	3231	1
115 x 50000	400	1	3233	1

Abrasive paper

PS 33 C



Properties

Bonding agent Resin	
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○

Advantages: Very high removal rate - Minimal clogging due to stearate coating - Longer service life - Good tear resistance and flexibility

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
110 x 50000	60	1	146981	1
110 x 50000	80	1	146982	1
110 x 50000	100	1	146983	1
110 x 50000	120	1	146386	1
115 x 50000	60	1	155815	1
115 x 50000	80	1	147575	1
115 x 50000	100	1	147576	1
115 x 50000	120	1	153398	1

Rolls with paper backing

Coated abrasives

Abrasive paper

PS 33 B



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○

Advantages: Very high removal rate - Minimal clogging due to stearate coating - Longer service life - Good tear resistance and flexibility

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
110 x 50000	150	1	148494	1
110 x 50000	180	1	147935	1
110 x 50000	220	1	148495	1
110 x 50000	240	1	147114	1
110 x 50000	280	1	148496	1
110 x 50000	320	1	147110	1
110 x 50000	400	1	146387	1
115 x 50000	150	1	153177	1
115 x 50000	180	1	149480	1
115 x 50000	220	1	149698	1
115 x 50000	240	1	147055	1
115 x 50000	280	1	165031	1
115 x 50000	320	1	148891	1
115 x 50000	400	1	145520	1

Rolls with paper backing

Coated abrasives



Rolls

Abrasive paper, ANTISTATIC

PS 29 F ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

Applications

Wood	●
Paint/Varnish/Filler	○

Advantages: High aggressiveness and long service life when used on wood (especially softwood) due to Advanced Coating Technology (ACT) - High edge stability - Premium product for wood in general, varnish and filler

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
110 x 50000	80	1	307878	1
110 x 50000	100	1	307879	1
110 x 50000	120	1	307880	1
110 x 50000	150	1	307881	1
110 x 50000	180	1	307882	1
115 x 50000	60	1	307884	1
115 x 50000	80	1	302592	1
115 x 50000	100	1	307885	1
115 x 50000	120	1	302591	1
115 x 50000	150	1	307886	1

Abrasive paper with foam backing

PS 73 CWF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper + foam core

Applications

Wood	●
Paint/Varnish/Filler	●
Plastic	●

Advantages: Very good distribution of sanding pressure due to elastic and conforming foam backing, therefore preventing over sanding of thin coatings and providing a very fine finish - High flexibility and very good adaptability to contours and profiles - Reduced clogging due to additional stearate coating and semi-open coated grain - Easy handling by tearing handy pads from a pre-perforated roll out of a dispenser box - Dimensions of abrasive pads: 115 x 140 mm, approx. 180 pcs

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 25000	120	1	321755	1

Rolls with paper backing

Coated abrasives

Abrasive paper with foam backing

PS 73 BWF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper + foam core

Applications

Wood	●
Paint/Varnish/Filler	●
Plastic	●

Advantages: Very good distribution of sanding pressure due to elastic and conforming foam backing, therefore preventing over sanding of thin coatings and providing a very fine finish - High flexibility and very good adaptability to contours and profiles - Reduced clogging due to additional stearate coating and semi-open coated grain - Easy handling by tearing handy pads from a pre-perforated roll out of a dispenser box - Dimensions of abrasive pads: 115 x 140 mm, approx. 180 pcs

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 25000	150	1	325711	1
115 x 25000	180	1	321756	1
115 x 25000	240	1	321757	1
115 x 25000	320	1	321758	1
115 x 25000	400	1	321760	1
115 x 25000	600	1	325022	1

Rolls with cloth backing

Coated abrasives



Rolls

Abrasive cloth

LS 309 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Metals	●
Wood	●

Advantages: High quality universal abrasive cloth for diverse applications in metal and woodworking - Good price-performance ratio

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

LS 309 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Metals	●
Wood	●

Advantages: High abrasive performance - Fine surface scratch pattern - Very good adaptation to contours, tight radiuses and profiles due to highly flexible cotton cloth

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

All sizes and minimum purchasing quantities available on request

Rolls with cloth backing

Coated abrasives

Abrasive cloth

LS 309 JF slashed



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Metals	●
Wood	●

Advantages: Outstanding adaptation for use on turned parts - Individual applications due to different slotting variants

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

KL 361 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Stainless steel	●	Wood	●
Steel	●	Plastic	○
Metals	●		
NF metals	●		

Advantages: Highly flexible, premium quality abrasive cloth

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
25 x 50000	40	1	3769	2
25 x 50000	60	1	3771	2
25 x 50000	80	1	3772	2
25 x 50000	100	1	3773	2
25 x 50000	120	1	3774	2
25 x 50000	150	1	3775	2
25 x 50000	180	1	3776	2
25 x 50000	220	1	3777	2
25 x 50000	240	1	3778	2
25 x 50000	320	1	3780	2
25 x 50000	400	1	3782	2
25 x 50000	600	1	64825	2
30 x 50000	60	1	3787	2



Rolls with cloth backing

Coated abrasives



Rolls

►► Continuation of KL 361 JF, Abrasive cloth

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
30 x 50000	80	1	91286	2
30 x 50000	100	1	3789	2
30 x 50000	120	1	3790	2
30 x 50000	150	1	3791	2
30 x 50000	180	1	3792	2
30 x 50000	240	1	3794	2
30 x 50000	320	1	3796	2
30 x 50000	400	1	3798	2
40 x 25000	40	1	4201	2
40 x 25000	50	1	4202	2
40 x 25000	60	1	4203	2
40 x 25000	80	1	4204	2
40 x 25000	100	1	4205	2
40 x 25000	120	1	4206	2
40 x 25000	150	1	4207	2
40 x 25000	180	1	4208	2
40 x 25000	220	1	4209	2
40 x 25000	240	1	4210	2
40 x 25000	320	1	4212	2
40 x 25000	400	1	4214	2
40 x 50000	40	1	3833	2
40 x 50000	60	1	3835	2
40 x 50000	80	1	3836	2
40 x 50000	100	1	3837	2
40 x 50000	120	1	3838	2
40 x 50000	150	1	3839	2
40 x 50000	180	1	3840	2
40 x 50000	220	1	3841	2
40 x 50000	240	1	3842	2
40 x 50000	280	1	3843	2
40 x 50000	320	1	3844	2
40 x 50000	360	1	3845	2
40 x 50000	400	1	3846	2
40 x 50000	600	1	64830	2
50 x 25000	40	1	4217	2
50 x 25000	60	1	4219	2
50 x 25000	80	1	4220	2
50 x 25000	100	1	4221	2
50 x 25000	120	1	4222	2
50 x 25000	150	1	4223	2
50 x 25000	180	1	4224	2
50 x 25000	220	1	4225	2
50 x 25000	240	1	4226	2
50 x 25000	320	1	4228	2
50 x 25000	400	1	4230	2
50 x 25000	600	1	64831	2
50 x 50000	40	1	3849	2
50 x 50000	50	1	3850	2
50 x 50000	60	1	3851	2
50 x 50000	80	1	3852	2
50 x 50000	100	1	3853	2



Rolls with cloth backing

Coated abrasives

►► Continuation of KL 361 JF, Abrasive cloth

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
50 x 50000	120	1	3854	2
50 x 50000	150	1	3855	2
50 x 50000	180	1	3856	2
50 x 50000	220	1	3857	2
50 x 50000	240	1	3858	2
50 x 50000	280	1	3859	2
50 x 50000	320	1	3860	2
50 x 50000	360	1	3861	2
50 x 50000	400	1	3862	2
50 x 50000	500	1	3863	2
50 x 50000	600	1	64832	2

Abrasive cloth

KL 361 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Stainless steel	●	Wood	●
Steel	●	Plastic	○
Metals	●		
NF metals	●		

Advantages: Highly flexible, premium quality abrasive cloth

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
80 x 50000	80	1	3900	2
80 x 50000	120	1	3902	2
80 x 50000	150	1	3903	2
100 x 50000	40	1	3913	2
100 x 50000	50	1	3914	2
100 x 50000	60	1	3915	2
100 x 50000	80	1	3916	2
100 x 50000	100	1	3917	2
100 x 50000	120	1	3918	2
100 x 50000	150	1	3919	2
100 x 50000	180	1	3920	2
100 x 50000	220	1	3921	2
100 x 50000	240	1	3922	2
100 x 50000	320	1	3924	2
100 x 50000	400	1	3926	2
100 x 50000	600	1	64835	2
110 x 50000	40	1	3929	2
110 x 50000	60	1	3931	2
110 x 50000	80	1	3932	2



Rolls with cloth backing

Coated abrasives



Rolls

►► Continuation of KL 361 JF, Abrasive cloth

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
110 x 50000	100	1	3933	2
110 x 50000	120	1	3934	2
110 x 50000	180	1	3936	2
110 x 50000	240	1	3938	2
115 x 50000	40	1	3945	2
115 x 50000	60	1	3947	2
115 x 50000	80	1	3948	2
115 x 50000	100	1	3949	2
115 x 50000	120	1	3950	2
115 x 50000	150	1	3951	2
115 x 50000	180	1	3952	2
115 x 50000	240	1	3954	2
115 x 50000	320	1	3956	2
120 x 50000	60	1	3963	2
120 x 50000	80	1	3964	2
120 x 50000	100	1	3965	2
120 x 50000	120	1	3966	2
120 x 50000	180	1	3968	2
150 x 50000	40	1	3977	2
150 x 50000	60	1	3979	2
150 x 50000	80	1	3980	2
150 x 50000	100	1	3981	2
150 x 50000	120	1	3982	2
150 x 50000	150	1	3983	2

Abrasive cloth

KL 385 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Metals	●	Wood	○
NF metals	●		
Stainless steel	○		
Plastic	○		



Advantages: Attractively priced universal product - Highly flexible

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
25 x 50000	60	1	218196	2
25 x 50000	80	1	218197	2
25 x 50000	100	1	218198	2
25 x 50000	120	1	218199	2
40 x 50000	40	1	218077	2
40 x 50000	60	1	218079	2



Rolls with cloth backing

Coated abrasives

►► Continuation of KL 385 JF, Abrasive cloth

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
40 x 50000	80	1	218080	2
40 x 50000	100	1	218081	2
40 x 50000	120	1	218082	2
40 x 50000	150	1	218083	2
40 x 50000	180	1	218084	2
40 x 50000	220	1	218085	2
40 x 50000	240	1	218086	2
40 x 50000	320	1	218088	2
40 x 50000	400	1	218090	2
50 x 50000	40	1	218094	2
50 x 50000	60	1	218096	2
50 x 50000	80	1	218097	2
50 x 50000	100	1	218098	2
50 x 50000	120	1	218099	2
50 x 50000	150	1	218100	2
50 x 50000	180	1	218101	2
50 x 50000	220	1	218102	2
50 x 50000	240	1	218103	2
50 x 50000	320	1	218105	2
50 x 50000	400	1	218107	2

Abrasive cloth

KL 385 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Metals	●	Wood	ⓘ
NF metals	●		
Stainless steel	ⓘ		
Plastic	ⓘ		

Advantages: Attractively priced universal product - Highly flexible

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 5000	60	1	278789	2
115 x 5000	80	1	278790	2
115 x 5000	120	1	278791	2
115 x 5000	320	1	278792	2
115 x 50000	40	1	224650	2
115 x 50000	60	1	228151	2
115 x 50000	80	1	228363	2
115 x 50000	100	1	228364	2
115 x 50000	120	1	228365	2
115 x 50000	150	1	228370	2



Rolls with cloth backing / Abrasive screen

Coated abrasives



►► Continuation of KL 385 JF, Abrasive cloth

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 50000	180	1	228366	2
115 x 50000	240	1	228367	2
115 x 50000	320	1	228368	2
115 x 50000	400	1	228369	2

ROLL-BOX

ROLL-BOX



Advantages: Handy and saves storage of economy rolls - Abrasive tears off cleanly and easily - Quick and simple replacement of rolls - For 5 rolls with a width of 50 mm each - For display counter or attachment to the wall

Abrasives not included

Width x Length x Height in mm	Packing unit/pcs.	Cat. number	Discount group
300 x 340 x 230	1	76403	14

Abrasive screen, self-fastening, waterproof

AN 400



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester grid

Applications

Paint/Varnish/Filler	●	Composites	●
Gel coats	●	Wood	●
Plaster	●	Wood-based materials	●
Plasterboard walls	●		

Advantages: Effective and full surface dust extraction thanks to open lattice structure - Dust-free sanding extends the service life of the abrasive - Improved health and safety due to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 10000	80	1	348458	7
115 x 10000	100	1	353063	7
115 x 10000	120	1	348418	7
115 x 10000	150	1	349059	7



Abrasive screen / Graphite coated canvas / Self-fastening support

→ Continuation of AN 400, Abrasive screen, self-fastening, waterproof

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 10000	180	1	353062	7
115 x 10000	240	1	349058	7
115 x 10000	320	1	353061	7
115 x 10000	400	1	353060	7

Graphite coated canvas

CS 395 X



Properties

Grain	Graphite
Coating	Lamellar
Backing	X-cloth
Thickness	1,5 mm



Advantages: Reduces friction between the back side of the belt and the contact element -
Reducing heat generation during the sanding process - Enables smooth and consistent sanding
No self-fastening support

All sizes and minimum purchasing quantities available on request

Self-fastening support

CS 396 Y

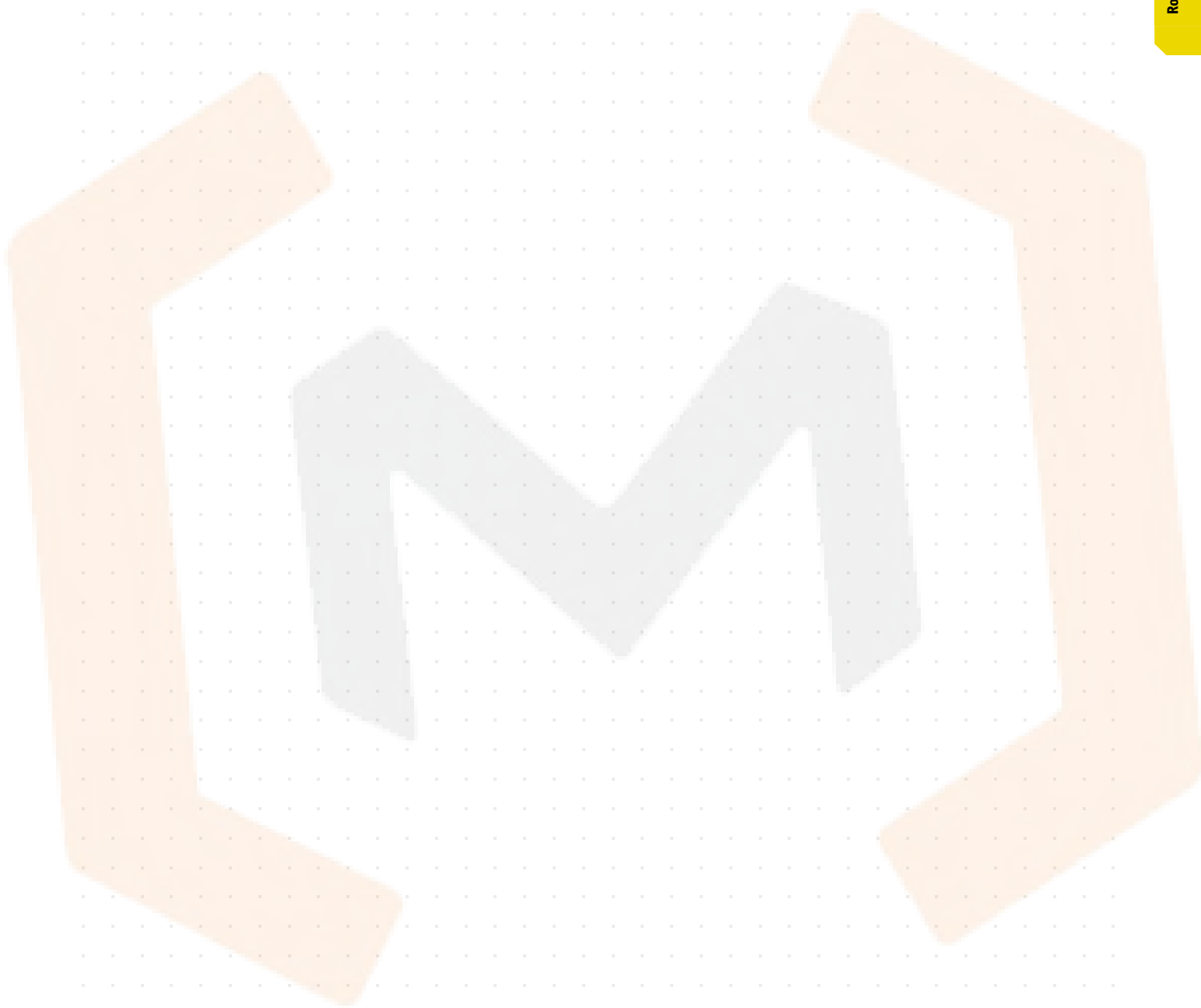


Properties

Engaging elements	Self-fastening
Thickness	1,5 mm
Temperature range	-30° to +80°

Advantages: Can be cut to size easily - Simple and safe fixing on smooth and even surfaces -
Allows a quick change of the abrasive

All sizes and minimum purchasing quantities available on request





Abrasive belts

About the product

Applications guide

- Suitable for all sanding and grinding operations: with unsupported belt, sander pad and contact wheel
- Special designs for customised applications, e.g. for furniture production to enable fast and clean preparation of large surfaces ready for painting
- Wide range of sizes
- Backings made of paper, cloth and film
- Superior tear resistance of all products

Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel	LS 309 J	Aluminium oxide	J-cotton	●	Flexible abrasive cloth for processing slightly profiled workpieces, high stock removal rate, particularly suited for metal	58
	LS 309 JF	Aluminium oxide	JF-cotton	●	Highly flexible abrasive cloth for highly profiled workpieces for the manufacture of fine surfaces in metal and woodworking	59
	LS 309 X	Aluminium oxide	X-cotton	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	46, 57
	LS 309 XH	Aluminium oxide	X-cotton	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	50
	CS 310 X	Aluminium oxide	X-cotton	●	Abrasive cloth for metal and woodworking with stable cloth backing, for heavy duty with particularly long service life	59, 74, 88
	CS 341 X	Aluminium oxide	X-cotton waterproof	●	Waterproof abrasive cloth for wet grinding on steel and stainless steel, particularly suited for centreless and surface grinding	66, 92
	CS 308 Y	Aluminium oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	57, 88
Stainless steel	PS 61 F	Ceramic aluminium oxide	F-paper	●	Close coating, tear resistant backing and continuously self-sharpening ceramic grain, the perfect product for users with highest demands on service life, high stock removal rate and process reliability, for the processing of stainless steel surfaces	55, 86
	LS 312 JF	Aluminium oxide	JF-cotton	●	Highly versatile and flexible premium product for stainless steel components such as fixtures, fittings and surgical instruments	61
	LS 313 JF	Aluminium oxide	JF-cotton	●	Highly flexible high quality product for stainless steel shaped parts, additional multibond for cool grinding and long service life	61
	CS 931 JF	Ceramic aluminium oxide	JF-cotton	⦿	Special product with highly flexible backing for use on stainless steel and high alloy steels. Continuously aggressive abrasive performance with a long service life due to semi-open coated self-sharpening ceramic grit. Multibond for cool grinding with no discolouration	73
	GX 931 JF	Ceramic aluminium oxide	JF-blended cloth	⦿	Special highly flexible tear resistant polyester / cotton backed product for stainless steel and high alloy steels; ideal for robot applications. Micro-crystalline ceramic grit with multibond for "cool grinding" and continuously aggressive abrasive performance	73
	GX 712 JF	Aluminium oxide	JF-blended cloth	●	High performance belt with highly flexible, but nonetheless equipped with extremely tear resistant blended cloth backing, tempered aluminium oxide and coated materials	71
	CS 631 XF	Ceramic aluminium oxide	XF-cotton	⦿	Flexible highly efficient belt for best grinding performance, long service life through self-sharpening ceramic grain for rough and intermediate grinding of contours, profiles and fittings, with multibond for cool grinding	70
	CS 410 X	Aluminium oxide	X-cotton	●	Abrasive material with stable cloth backing, multibond for long service life, especially suited for stainless steel processing	67
	CS 411 X	Zirconia alumina	X-cotton	●	High performance belt with high stock removal rate for rough grinding and deburring of steel and stainless steel	67
	CS 411 Y	Zirconia alumina	Y-polyester	●	Particularly tear resistant high performance belt with high stock removal rate for rough grinding and deburring of stainless steel and steel	47, 68, 93
	CS 416 Y	Zirconia alumina	Y-polyester	⦿	Extra tear resistant abrasive belt with high stock removal rates for grinding steel and stainless steel with a semi-open coating	69
	CS 409 Y	Zirconia alumina	Y-polyester	●	Extremely tear resistant high performance belt with high stock removal efficiency and long service life due to additional multibond, for stainless steel and high alloy steels, cool grinding	66, 93

● = close ⦿ = semi-open ○ = open

Abrasive belts

Applications guide

Application	Type	Grain	Backing	Coating	Characteristics	Page
Stainless steel	CS 912 Y ACT	Ceramic aluminium oxide	Y-polyester	●	Extremely tear resistant high performance belt with self-sharpening ceramic grain for high stock removal efficiency and long service life for processing high alloy steels	49, 72, 95
	CS 910 Y ACT	Ceramic aluminium oxide	Y-polyester	●	Extremely tear resistant high performance belt with self-sharpening ceramic grain for high stock removal efficiency and long service life for processing high alloy steels, multibond for cool grinding	72
	CS 330 X	SiC / cork	X-cotton waterproof	●	Special belt for steel and stainless steel on surface belt grinders and circular grinding machines, particularly suitable for satin polishing and finishing	65, 91
	CS 326 Y	Aluminium oxide agglomerate	Y-polyester		Long life belt for wet grinding with uniform scratch pattern for centreless circular and surface grinding	64, 90
	CS 329 Y	Aluminium oxide agglomerate	Y-polyester		Long life belt with consistent surface finish for centreless circular and surface grinding. Aggressive grinding behaviour with low tool pressure	64, 91
	CS 420 Y	Aluminium oxide agglomerate	Y-polyester		Special product with cylindrical-shaped structured abrasive grain for the centreless finishing of stainless steel. Very long service life and uniform scratch pattern	70
	CS 325 Y	SiC agglomerate	Y-polyester		Long life belt with consistent surface finish for centreless finishing	63
	CS 451 X	Zirconia alumina	X-cotton	●	Abrasive cloth with a stable backing for use under heavy load. Especially well suited for work on stainless steel	75
Steel / Stainless steel	PS 20 F	Aluminium oxide	F-paper	●	Close coating and heavy, tear resistant backing for high stock removal rate and a long service life for metalworking	52, 82
	PS 21 F	Zirconia alumina	F-paper	●	Close coating, tear resistant backing and high quality, self-sharpening zirconia alumina grain for a long service life and high grinding performance particularly on stainless steel surfaces	52, 82
	PS 529 F	SiC agglomerate	F-paper		Long life abrasive belt for a brilliant and glossy finish at low to medium tool pressure. Extra long service life at consistent surface roughness. Ideal for dry sanding applications performed with wide belt and long belt sanders	56, 87
	PS 729 F	Aluminium oxide agglomerate	F-paper		Long life belt for dry grinding applications, for a constant surface quality for pre-grinding until finishing. Specially developed for coil and sheet grinding with intermediate contact pressure	87
	CS 412 Y	Aluminium oxide	Y-polyester	●	Sturdy and highly tear resistant polyester backing for coarse and intermediate grinding on metal	69, 94
	CS 310 XF	Aluminium oxide	XF-cotton	●	Flexible abrasive cloth for profiled metal formed parts, standard quality for use with hand tool belt grinders	46
	CS 411 X	Zirconia alumina	X-cotton	●	High performance belt with high stock removal rate for rough grinding and deburring of steel and stainless steel	67
	CS 411 Y	Zirconia alumina	Y-polyester	●	Particularly tear resistant high performance belt with high stock removal rate for rough grinding and deburring of stainless steel and steel	47, 68, 93
	CS 416 Y	Zirconia alumina	Y-polyester	⦿	Extra tear resistant abrasive belt with high stock removal rates for grinding steel and stainless steel with a semi-open coating	69
	CS 330 X	SiC / cork	X-cotton waterproof	●	Special belt for steel and stainless steel on surface belt grinders and circular grinding machines, particularly suitable for satin polishing and finishing	65, 91
	CS 710 XF	Aluminium oxide	XF-cotton	●	Flexible abrasive belt with hardened aluminium oxide grains for working on surfaces and moulded parts	48, 71
	CS 811 Y ACT	Zirconia alumina	Y-polyester	●	Excellent grain adhesion, stable, highly tear resistant polyester backing for particularly heavy duty during rough grinding and deburring of steel and stainless steel. High quality zirconia alumina for highest aggressiveness over the complete service life	72
NF metals	CS 333 JF	SiC	JF-cotton	●	Highly flexible abrasive belt for metal shaped parts, particularly suited for NF metals	66
	CS 333 XF	SiC	XF-cotton	●	Flexible abrasive belt for metal shaped parts, particularly for NF metals	65
	GX 533 JF	SiC	JF-blended cloth	●	Flexible belt with aggressive, hard SiC grit and flexible blended cloth backing for grinding profiles, contours and formed/shaped parts, e.g. fittings	70
	GX 712 JF	Aluminium oxide	JF-blended cloth	●	High performance belt with highly flexible, but nonetheless equipped with extremely tear resistant blended cloth backing, tempered aluminium oxide and coated materials	71
	LS 314 JF	Aluminium oxide	JF-cotton	●	Flexible abrasive belt with hardened aluminium oxide grains for working on surfaces and moulded parts	62
Wood	PS 22 F ACT	Aluminium oxide	F-paper	●	Close coating for maximum stock removal and uniform scratch pattern regarding surface treatment of hard, low content woods. Advanced Coating Technology (ACT) and antistatic properties prevent premature clogging	52, 83
	PS 28 F	Aluminium oxide	F-paper	○	Open coating and antistatic properties prevent premature clogging of the belt with sanding dust, sturdy, tear resistant backing, for all kinds of wood, particularly soft and high resin woods, e.g. spruce, pine	54, 85
	PS 29 F ACT	Aluminium oxide	F-paper	○	Abrasive belt with outstanding service life. Open coating, antistatic properties as well as Advanced Coating Technology (ACT) prevent premature clogging. The abrasive paper is particularly suitable for processing soft and high resin woods	54, 85
	PS 38 G ACT	SiC	G-paper	●	Special product with very strong and robust G-weight paper backing, excellent antistatic properties and sharp-edged silicon carbide grain, for finishing of particle boards and fibreboards	86

● = close ⦿ = semi-open ○ = open



Abrasive belts

Applications guide



Application	Type	Grain	Backing	Coating	Characteristics	Page
Wood	LS 309 X	Aluminium oxide	X-cloth	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	46, 57
	LS 309 XH	Aluminium oxide	X-cloth	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	50
	CS 311 Y ACT	Aluminium oxide	Y-polyester	○	Aluminium oxide quality with an open coating on tear resistant polyester backing for calibration and intermediate sanding when working with wood	60, 89
	CS 308 Y	Aluminium oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and sanding of hardwood	57, 88
	LS 318 JF ACT	Aluminium oxide	JF-cloth	○	Highly flexible J-Flex backing for intermediate sanding and finishing of highly profiled and curved wooden parts. Advanced Coating Technology (ACT) and antistatic properties prevent premature clogging	62
	CS 538 Z ACT	SiC	Z-polyester (can be segmented)	●	Special product for the timber products industry. A close coating and antistatic technology ensure an optimal service life. The sharp silicon carbide easily penetrates high density material surfaces	94
	CS 336 Y	SiC	Y-polyester	●	Special product for calibrating and sanding of chipboard	92
Paint / Varnish / Filler	PS 24 F ACT	SiC	F-paper	●	Close coating, a stable backing with hard silicon carbide grit for painted and coated surfaces in the timber and especially the furniture industry	53, 84
	PS 27 DW	SiC	D-paper	○	Open coating and a special stearate coating prevent premature clogging and loading of the belt. Special product for high quality varnish surfaces, particularly UV varnish	53, 84
	PS 524 E	SiC	E-paper	●	Close coating with hard silicon carbide grain for painted and filled surfaces in the wood and furniture industry	53, 83
	FP 73 W	Aluminium oxide	Film	●	Special product with very tear resistant film backing for the processing of paint, varnish and filler with high service life through additional special coating	56
Plastic	GX 533 JF	SiC	JF-blended cloth	●	Flexible belt with aggressive, hard SiC grit and flexible blended cloth backing for sanding profiles, contours and formed/shaped parts, e.g. fittings	70
Glass	CS 322 X	(Cork)	X-cloth waterproof		Special belt for polishing glass	63
Plastic / Glass	CS 333 X	SiC	X-cloth	●	Abrasive cloth with tear resistant backing for heavy duty and long service life for the processing of glass, ceramics, plastic and scale (dry grinding)	65
	CS 320 Y	SiC	Y-polyester	●	Highly tear resistant special belt for high demands for wet and dry grinding of glass, ceramic and plastic	62, 89
	CS 321 X	SiC	X-cloth	●	Special belt for wet and dry grinding of glass, ceramic and plastic	63, 90

● = close ● = semi-open ○ = open

Minimum order quantities for made to order items

Width	Minimum order quantities
3–50 mm	30 pieces
51–60 mm	25 pieces
61–75 mm	20 pieces
76–100 mm	15 pieces
101–150 mm	10 pieces
151–300 mm	10 pieces
301–400 mm	30 pieces
401 mm and wider	10 pieces



We reserve the right to over-deliver or under-deliver made to order items.

The minimum length of production belts is 281 mm (cloth and paper backing)

Other sizes and grits available on request.

Short and long belts

Applications guide

Belt joints for long and short belts

Klingspor supplies belts with various types of joints. The type of joint you require depends on the work involved and the machine you are using. The following illustrations show the usual types of joint.

The available types of joints are listed in the product charts on the following pages.

If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.



Type 1
Diagonal cut, glued overlapped.



Type 2
Diagonal cut, glued overlapped. Grain tips are completely removed from the overlap to provide for a smoother running belt.



Type 3 G
Zig zag joint, with cloth-reinforced foil backing, impact-free working at very sensitive parts, in particular glass.



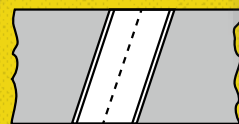
Type 4 G
Diagonal cut. Butt joint with cloth-reinforced foil backing. Also suitable for working on unsupported belts, for demanding requirements.



Type 5
Overlapping glued joint. Grit zone is completely ground off. Preferred joint for wood finishes with flat contact elements.



Type 6 G
Diagonal cut, butt joint with cloth-reinforced foil glued on grit side. Grit zone is completely ground off. Use on machines with planar contact elements.



Type 7 G
Sine joint, with cloth-reinforced foil backing, impact-free working at very sensitive parts, for demanding requirements.



The chart alongside contains all the standard types of machines. Please contact us if you cannot find the machine used by you on this list. We will be pleased to assist you further.

Short and long belts

Applications guide



Pad/stroke, edge and profile sanding machines

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Bütfering	E-Line 113	370	1900
CMC	KL 150	150	2250
	KL 150 OS	150	2400
	CL 260	120/150	7050
	CL 300	120/150	7850
Fein	GX 75/75 2H, GXC, GI 75/75 2H, GIS 75	75	2000
	GXR	75	2250
	GICS	75	3000
	GIM, GIC	75/150	2000
	GI 100	100	1000
	GI 150/150 2 H, GIL, GIS 150	150	2000
	GIR	150	2250
Flott	TBSM 75	75	1000
	BSM 75, BSM E1, BSM 75 A, BSM 75 A/POL	75	2000
	BSM 150, BSM 150 A, BSM 150 A/pol	150	2000
	KSM 150, KSM 250, KOS 150	150	2250
	KOS 250	250	2250
Greif	S 40	max. 100	3500
	D30 HFS 100	max. 100	2000
	D30 HFS 100/150	100/150	2500
	R 40 HFS 150/200	200	3500
	D 20-2-2	30-50	1250
	D 30-2-2	50-100	2500
	D 40-2-2	50-100	3500
Heesemann	SZ 2	60	2300
	UKP 20	80	2300
	HG-U	220	2000
	FPA 8	130	1900
	KFA, MFA 10	150	5400
	MFA 10	150	7000
	MFA 10	1400	2620/3250
Hema	BA 2-2300	150	8500
	HWS 200	20	1810
	KB 202	20	2040
	BB 315/S+P	25	2220
	BB 315/3+3P	25	3150
	SR 400	25	3320
	SR 500	25	4080
	SR 600/UH 630	25	4500
	TBS 3000	120	1200
	PSM 300	25/50	2360
Hess	Junior, Expert	200	1850
	Gloria	200	1600

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Holzmann	MSM 75	75	2000
	DSM 100200B	100	915
	MSM 100 L	100	1220
	MSM 150, KS 2000	150	2000
	BT 1220	150	1220
	KOS 2260	150	2260
	KOS 2510	150	2510
	KOS 2600P, KOS 2600 C	150	2600
	KOS 2740	150	2740
	BS 2000 XL, BS 2400 XL	150	6000
Holzskraft	PB 2400, PBVN 2400, BS 2400, BKS 2400 XL, BSM 2600 P	150	6800
	KOS 3000 P	200	3000
	BTS 200	152	1219
	Unilev 150	150	2170
	KSM 801, KSO 150	150	2200
	KSO 81	150	2250
	KSO 1500	150	2280
	LBSM 2505	150	6400
	LBSM 2505 ESE	150	7000
	LBSM LS 2500	150	7100
Johannsen	LBSM 3005 ESE	150	8000
	LBSM LS 3000	150	8100
	KSO 200	200	2200
	T 47	max. 150	2800
	T 48	200	3000
	T 93 Start	150	7400
	T 94 Standard, T 94 Super, T 85, T 95 Profi, T 95 Exclusiv	150	7800
	T 98	150	8200
	Uniq, Basiq, Uniq S	150/200	2000
	ZBS 2, PBM 3	100	9000
Kündig	ZBS 3	100	11200
	PBM 4	100	11000
	ZBS 4	100	13200
	GS 2 -6000	300	16300
	GS 2 - 9000	300	22300
	GS 2 - 12000	300	28300
	BKK 1/2, BKK 2	120	2240
	FF 1, UKF 1.1, FF 3.1	120	2300
	UKF 2	120	2500
	KFS	150	2500
Kuhlmeyer	BS 75/-A/-W	100	950
	HSF/HSDSF	100-200	500-5500
	BS 200/-W	200	1500
	BS 300/-W	300	2000
Löser			

Continuation →

Short and long belts

Applications guide

Portable sanding belt

Manufacturer	Type	Abrasive belt size		Manufacturer	Type	Dimensions in mm
		Width in mm	Length in mm			
Löser	RPS 336, RP+S 377, SP 377, HSRG 377, ZSP 377	150	3500	AEG powertools	HBS 65, HBSE 65	65 × 410
	RP+S 374	150	2500/3500		HBSE 600, HBS 1000 E	75 × 533
	TP 80/TP 80S	30	740		RBSE 75 AE, RBSE 75 S	75 × 533
	KS 100	5–100	3500/4000		HBS 100	100 × 560
	KS 360	5–75	2500		HBSE 100	100 × 560
	KS 350	5–75	3500/4000		BBS 1100	100 × 560
	KS 363	6–50	2500		BBSE 1100	100 × 560
	EB 2	50	2000	Atlas Copco	HBSE 75 S	75 × 533
	EB 3-S	max. 100	3500		HBSE 75	75 × 533
	FS 384/150-G1, SP 337, SP 374, HSD	150	2500		MBSE 705	75 × 533
	SP 352	150	3000		BBS 100	100 × 620
Löwer	SP 380, RPS 376	150	3500	Black & Decker	BBSE 100	100 × 620
	KS 225	150	2250		KA 290, KA 900 E	13 × 451
	KSM 1	150	2580		KA 292	13 × 451
	KSM 2	150	2630		KA 293 E	13 × 451
	SmartGrinder SG 150/300	150/300	3000		KA 83	65 × 410
	LS 200, DSM 1000	200	1600		KA 83 E	65 × 410
	DSM 2000, DSM 2004	200	1800		BS650	65 × 410
	DSM 3000, DSM 3004, HBS 300, HBS 302, LS 300, Multi 300, HBS VR	300	1800		BD 83	65 × 410
	HBS 400/HBS 400u/HBS 4000, Multi 400, HBS 4000 BB	400	1800		BD 83 E	65 × 410
	Combi Queen	500	1800		DN83	65 × 410
Niederberger	P2/P5	50–200	2500		DN83E	65 × 410
	P4	100–420	2500		KA 85 EK	75 × 457
	P6	320–420	2500		KA 85, KA 86	75 × 457
Quick Wood	Elicoid	40	1780		P 61-03	75 × 508
Scheppach	BGS 700	50	686		BD 75	75 × 508
	CSM 405	77	2400		BD 85	75 × 508
	BTS 900x	100	915		SR 500 E	75 × 508
	ISE 600	150	1500		KA 75, KA 75 E, KA 88, XTA80EK	75 × 533
	BSM 2010, KSM 2000	150	2000	Bosch	GVS 350 AE	40 × 303
	KSM 2500	150	2515		PVS 300 AE	40 × 303
	SLIK 7	150	2740		PBS 60	60 × 400
SCM	TecnoMax UNILEV 150	150	2170		PBS 60 E	60 × 400
	TecnoMax LS	150	7100		GBS 75 AE	75 × 533
Stähle	Saturn E, Saturn Quattro	200	1800		PBS 75	75 × 533
	Saturn Duo Comfort	200–320	1800		PBS 75 A	75 × 533
Vobhag	ERS 25, EFS25, VFS 25	250	2500		PBS 75 AE	75 × 533
	VFS 42, DSM 42	420	2500		PBS 75 E	75 × 533
	DSM 46	460	2500		PBS 7 A, PBS 7 AE	75 × 457
	VFS 52	520	2500		GBS 100 A	100 × 620
	DSM 46/600	600	2500		GBS 100 AE	100 × 620
Wegoma	KS2250/P	150	2250	DeWalt	D26480	64 × 356
	KS2400	150	2400		MHB158	75 × 480
	KS2600, KS2600FU	200	2600		MHB158 E	75 × 480
					MHB 157	75 × 480
					MHB 157 E	75 × 480
					DW430, DW431	75 × 533

Continuation →

Short and long belts

Applications guide



Manufacturer	Type	Dimensions in mm
DeWalt	DW 432/ DW 433	75 × 533
	MHB90	100 × 560
	MHB90 E	100 × 560
	MHB90K	100 × 560
	DW650	100 × 560
	DW650E	100 × 560
Einhell	BBS 240, BBS 240/1	50 × 686
	BBS 720, BBS 850 E, BT-B5 850 E	75 × 457
	RT-B5 75, BT - B5 850/1 E	75 × 533
	BBS 1200	100 × 610
Festool	BF1	6/12/16/19 × 520
	BS 75, BS 75E, BS 75E-Set	75 × 533
	BS 105, BS 105E, BS 105E-Set	105 × 620
Fein	RS 12-70 E	20 × 815
	RS 10-70 E	30 × 533
Felisatti	TP 411, BSF 76/900	75 × 533, 76 × 533
	BSF 100/1200E	100 × 610
Flex	LBS 1105 VE	4/9/30 × 520/533
	LBS 1105 VE Set	4/9/30 × 520/533
	LBR 1506 VRA	40 × 618
	LRP 1503 VR	40 × 675
	LRP 1503 VRA	40/20 × 760
Hitachi	SB-75, SB8V2	75 × 533
	9924 DB	75 × 610
	SB 10 T, SB 10 V	100 × 610
	SB 10 V2, SB 10 S2	100 × 610
	SB 110	110 × 620
HOLZ HER	2405	65 × 410
	2406	65 × 410
	2410, 2411, 2420	75 × 533
	2422	105 × 620
	2423	105 × 620
	2424	105 × 620
Kress	CBS 6800 E	65 × 410
	15003	3,6/13 × 305
Löser	14000, 14021, 14021 F	3/6,5/13 × 610/863/1118
	40320	6/12 × 305/457
	11475, 11476, 11476 EL, 11486, 11486 EL	25 × 760
	11477, 11477 EL, 11450, 11450 EL	50 × 760
	14300, 14303	50 × 863
	14306	50 × 1143
	52900	75 × 610

Manufacturer	Type	Dimensions in mm
Makita	9032	9 × 533
	9031	30 × 533
	9910/9911	75 × 457
	9901	75 × 533
	9902/9903	75 × 533
	9900	75 × 533
	9924 DB	75 × 610
	9920	75 × 610
	9402	100 × 610
	9403	100 × 610
Metabo	9404	100 × 610
	9924 DB	100 × 610
	BFE 9-90 SET	6-19 × 457
	12-180 SET	40 × 760
	Ba 0775, BAE 75, Ba E 1075	75 × 533
Milwaukee	Ba E 0876 Signal	75 × 533
	Ba 6100	100 × 620
	HBSE 75 S	75 × 533
Peugeot	BS 100 LE	100 × 620
	PB 600	75 × 457
Ryobi	PAB 75	75 × 533
	B 850 F	75 × 533
	BE-321	75 × 533
	EBS 9576V, EBS 8021 V, EBS 800 V	75 × 533
	B-7075, B-7076, BE-7075	75 × 533
	B-7100	75 × 610
	B 422, BE 422, BE-1056	100 × 560
	B-7200 A, BE-422, B/BE 424	100 × 610
SKIL	BE-4240, EBS 1310 VF HG	100 × 610
	1100, 1200, 1205, 1200 H, 1205 H, 1210, 1210 AA 7600, 7610 AD, 7610 AA, 7620 AA, 7675, 1220 MA, 7630	75 × 457
	5903	75 × 508
	594 U, 595 U, 7640MA	75 × 533
	7650 AA, 7650 AE, 4640 MA	75 × 533
	1400	100 × 552
	7660 MA	100 × 610/620
	2 N 75	75 × 457
Stayer	LEN 751 E	75 × 533
	LEN 610	100 × 610
	LEN 690	100 × 690
Suhner	UBC 10-R	3/6/12/16/19 × 520
	UBK 6-R	35 × 450
	UTC 7-R	30 × 533
	UTG 9-R	30 × 610

File belts

Coated abrasives

Abrasive cloth

LS 309 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Steel	●
NF metals	●
Wood	●

Advantages: Universal belt for metalworking and woodworking - Excellent price-performance ratio

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
28 x 533	40	F4G	20	36755	4
28 x 533	60	F4G	20	37945	4
28 x 533	80	F4G	20	39236	4
28 x 533	100	F4G	20	40702	4
28 x 533	120	F4G	20	41900	4
28 x 533	150	F4G	20	42794	4

Abrasive cloth

CS 310 XF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	XF-cotton

Applications

Steel	●
Stainless steel	●
NF metals	●

Advantages: Universal type for working on radiuses and contours with belt files in all areas of metalworking

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
6 x 610	40	F4G	25	4644	4
6 x 610	60	F4G	25	4645	4
6 x 610	80	F4G	25	4646	4
6 x 610	120	F4G	25	70595	4
9 x 533	40	F4G	25	286879	4
9 x 533	60	F4G	25	156968	4
9 x 533	80	F4G	25	286880	4
9 x 533	120	F4G	25	286881	4
10 x 330	40	F4G	25	86104	4
10 x 330	60	F4G	25	71110	4
10 x 330	80	F4G	25	71111	4
10 x 330	100	F4G	25	71112	4



►► Continuation of CS 310 XF, Abrasive cloth

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
10 x 330	120	F4G	25	71957	4
12 x 520	40	F4G	25	160139	4
12 x 520	60	F4G	25	160201	4
12 x 520	80	F4G	25	159040	4
12 x 520	120	F4G	25	160140	4
13 x 450	40	F4G	25	90914	4
13 x 450	60	F4G	25	75505	4
13 x 450	80	F4G	25	97081	4
13 x 450	120	F4G	25	105794	4
13 x 455	40	F4G	25	72895	4
13 x 455	60	F4G	25	73099	4
13 x 455	80	F4G	25	149565	4
13 x 455	100	F4G	25	73176	4
13 x 455	120	F4G	25	74086	4
13 x 610	40	F4G	25	4652	4
13 x 610	60	F4G	25	4653	4
13 x 610	80	F4G	25	4654	4
13 x 610	120	F4G	25	70591	4
13 x 610	240	F4G	25	99182	4
20 x 520	40	F4G	25	71959	4
20 x 520	60	F4G	25	71960	4
20 x 520	80	F4G	25	71961	4
20 x 520	120	F4G	25	71963	4
40 x 303	60	F4G	10	184719	4
40 x 303	80	F4G	10	188885	4

Abrasive cloth, waterproof

CS 411 Y



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Tear resistant product for use on belt files - Especially high aggressiveness and abrasive performance due to active abrasive substances - Especially for stainless steel, but also for steel and metal in general

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
9 x 533	40	F4G	25	286886	4
9 x 533	60	F4G	25	286887	4
9 x 533	80	F4G	25	286888	4
10 x 330	40	F4G	25	325250	4
10 x 330	60	F4G	25	302797	4



File belts

Coated abrasives

► Continuation of CS 411 Y, Abrasive cloth, waterproof

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
10 x 330	80	F4G	25	302798	4
13 x 610	40	F4G	25	322530	4
13 x 610	60	F4G	25	302784	4
13 x 610	80	F4G	25	302785	4
20 x 520	36	F4G	25	322531	4
20 x 520	40	F4G	25	322532	4
20 x 520	60	F4G	25	302791	4
20 x 520	80	F4G	25	302792	4

Abrasive cloth

CS 710 XF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	XF-cotton

Applications

Steel	●
Stainless steel	●
NF metals	●

Advantages: Machine grinding of moulded parts and weld seams in trade and industry - Flexible, yet tear resistant backing - Abrasive belt with hardened and tempered 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	
		Width x Length in mm				Grit		Belt joint		Packing unit/pcs.				Cat. number								Discount group			
		9 x 533				80		F4G		25				342297								4			
		9 x 533				120		F4G		25				342296								4			
		10 x 330				80		F4G		25				342302								4			
		10 x 330				120		F4G		25				342303								4			
		13 x 455				80		F4G		25				342298								4			
		13 x 455				120		F4G		25				342299								4			
		13 x 610				80		F4G		25				342301								4			
		13 x 610				120		F4G		25				342300								4			



Abrasive cloth, waterproof

CS 912 Y ACT



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Continuously aggressive abrasive performance, with long service life due to ceramic grit - High performance abrasive belt for steel and stainless steel grinding

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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All sizes and minimum purchasing quantities available on request

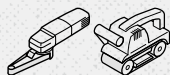
Non-woven web file belts see chapter Non-woven web (page 206-207).

Short belts for handheld machines

Coated abrasives

Abrasive cloth

LS 309 XH



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Wood	●
Metals	●
NF metals	●
Paint/Varnish/Filler	●

Advantages: Special type for portable belt sanders - For universal use on wood, metal, paint and varnish - Large availability of sizes for all standard machines

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
60 x 400	60	F5	10	4100	4
60 x 400	80	F5	10	4104	4
60 x 400	120	F5	10	4097	4
65 x 410	40	F5	10	4106	4
65 x 410	60	F5	10	4114	4
65 x 410	80	F5	10	4120	4
65 x 410	100	F5	10	4124	4
65 x 410	120	F5	10	4128	4
75 x 457	40	F5	10	37269	4
75 x 457	60	F5	10	38825	4
75 x 457	80	F5	10	40345	4
75 x 457	100	F5	10	41560	4
75 x 457	120	F5	10	42627	4
75 x 457	150	F5	10	43020	4
75 x 480	40	F5	10	4098	4
75 x 480	60	F5	10	4107	4
75 x 480	80	F5	10	4115	4
75 x 480	100	F5	10	4121	4
75 x 480	120	F5	10	4125	4
75 x 508	40	F5	10	4099	4
75 x 508	60	F5	10	4103	4
75 x 508	80	F5	10	4117	4
75 x 508	100	F5	10	4118	4
75 x 533	40	F5	10	4137	4
75 x 533	60	F5	10	4139	4
75 x 533	80	F5	10	4140	4
75 x 533	100	F5	10	4141	4
75 x 533	120	F5	10	4142	4
75 x 533	150	F5	10	4143	4
75 x 533	180	F5	10	4144	4
75 x 533	240	F5	10	43614	4
75 x 610	40	F5	10	37285	4
75 x 610	60	F5	10	38842	4
75 x 610	80	F5	10	40365	4
75 x 610	100	F5	10	41576	4
75 x 610	120	F5	10	42642	4
100 x 560	40	F5	10	4151	4



Short belts for handheld machines

Coated abrasives



►► Continuation of LS 309 XH, Abrasive cloth

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
100 x 560	60	F5	10	4473	4
100 x 560	80	F5	10	4474	4
100 x 560	100	F5	10	4475	4
100 x 560	120	F5	10	4476	4
100 x 560	150	F5	10	4477	4
100 x 610	40	F5	10	4478	4
100 x 610	60	F5	10	4480	4
100 x 610	80	F5	10	4481	4
100 x 610	100	F5	10	4482	4
100 x 610	120	F5	10	4483	4
100 x 610	150	F5	10	4484	4
100 x 610	180	F5	10	43302	4
100 x 620	40	F5	10	6272	4
100 x 620	60	F5	10	6278	4
100 x 620	80	F5	10	6283	4
100 x 620	100	F5	10	6284	4
100 x 620	120	F5	10	6286	4
100 x 620	150	F5	10	6288	4
105 x 620	40	F5	10	4485	4
105 x 620	60	F5	10	4487	4
105 x 620	80	F5	10	4489	4
105 x 620	100	F5	10	4490	4
105 x 620	120	F5	10	4491	4
105 x 620	150	F5	10	4492	4
110 x 620	40	F5	10	6290	4
110 x 620	60	F5	10	6292	4
110 x 620	80	F5	10	6294	4
110 x 620	100	F5	10	6295	4
110 x 620	120	F5	10	6296	4

Belts with paper backing

Coated abrasives

Abrasive paper

PS 20 F



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

Applications

NF metals	●
Stainless steel	●
Steel	⦿

Advantages: Universal type for finish grinding of steel, stainless steel and other metals - High stock removal rate

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

All sizes and minimum purchasing quantities available on request

Abrasive paper

PS 21 F



Properties

Bonding agent	Resin
Grain	Zirconia alumina/ Aluminium oxide
Coating	Close
Backing	F-paper

Applications

Stainless steel	●
Steel	●

Advantages: High aggressiveness and long service life due to self-sharpening zirconia alumina - Developed for rough grinding through to finish grinding of stainless steel surfaces

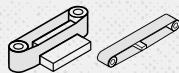
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 22 F ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

Applications

Wood	●
NF metals	⦿
Paint/Varnish/Filler	⦿
Plastic	⦿

Advantages: High removal rate, fine surface scratch pattern - Developed for sanding and finishing of hardwood - Reduced clogging and longer service life due to Advanced Coating Technology (ACT) and antistatic properties

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

All sizes and minimum purchasing quantities available on request

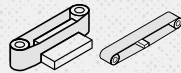
Belts with paper backing

Coated abrasives



Abrasive paper, ANTISTATIC

PS 524 E



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

Applications

Paint/Varnish/Filler	●
Plastic	●
Wood	⦿

Advantages: Universal belt for hard and tough workpiece surfaces - Fine sanding pattern in the wood and furniture industry - Long service life due to antistatic properties - Very good price-performance ratio

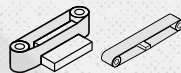
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 24 F ACT



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	F-paper

Applications

Paint/Varnish/Filler	●
Plastic	●
Wood	⦿

Advantages: For hard and tough surfaces - Finely sanded and varnish surfaces in the wood and furniture industry - Long service life due to Advanced Coating Technology (ACT) and antistatic properties

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 27 DW



Properties

Bonding agent	Resin
Grain	SiC
Coating	Open
Backing	D-paper

Applications

Paint/Varnish/Filler	●
Aluminium	●
Plastic	⦿

Advantages: Special product for high quality varnish surfaces, especially UV finishes - Substantially reduced clogging and longer service life due to additional special coating - Very fine surface scratch pattern

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

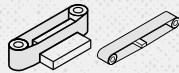
All sizes and minimum purchasing quantities available on request

Belts with paper backing

Coated abrasives

Abrasive paper, ANTISTATIC

PS 28 F



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

Applications

Wood	●
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Advantages: Universal belt for general woodworking, especially softwood - Excellent price-performance ratio

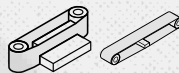
Available grits:

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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All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 29 F ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

Applications

Wood	●
------	---

Advantages: High quality universal belt for general woodworking, especially softwood - Reduced clogging and longer service life due to Advanced Coating Technology (ACT) and antistatic properties

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
150 x 2000	80	F5	10	307797	3
150 x 2000	100	F5	10	307798	3
150 x 2000	120	F5	10	307799	3
150 x 2170	80	F5	10	307800	3
150 x 2170	120	F5	10	307801	3
150 x 2250	60	F5	10	307802	3
150 x 2250	80	F5	10	307803	3
150 x 2250	100	F5	10	307804	3
150 x 2250	120	F5	10	307805	3
150 x 2250	150	F5	10	307806	3
150 x 2280	80	F5	10	307807	3
150 x 2280	100	F5	10	307808	3
150 x 2280	120	F5	10	307809	3
150 x 2600	80	F5	10	307811	3
150 x 2600	100	F5	10	307812	3
150 x 2600	120	F5	10	307813	3
150 x 3000	80	F5	10	307814	3
150 x 3000	100	F5	10	307815	3



Belts with paper backing

Coated abrasives



►► Continuation of PS 29 F ACT Abrasive paper, ANTISTATIC

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
150 x 3000	120	F5	10	307816	3
150 x 6800	80	F2	10	307821	3
150 x 6800	100	F2	10	307822	3
150 x 6800	120	F2	10	307823	3
150 x 6880	80	F2	10	307824	3
150 x 6880	100	F2	10	307825	3
150 x 6880	120	F2	10	307826	3
150 x 7100	60	F2	10	307828	3
150 x 7100	80	F2	10	307829	3
150 x 7100	100	F2	10	307830	3
150 x 7100	120	F2	10	307831	3
150 x 7100	150	F2	10	307832	3
150 x 7200	80	F2	10	307833	3
150 x 7200	100	F2	10	307834	3
150 x 7200	120	F2	10	307835	3
150 x 7500	80	F2	10	307837	3
150 x 7500	100	F2	10	307838	3
150 x 7500	120	F2	10	307839	3
150 x 7800	80	F2	10	307840	3
150 x 7800	100	F2	10	307841	3
150 x 7800	120	F2	10	307842	3
150 x 7800	150	F2	10	307843	3
200 x 1600	80	F5	10	307844	3
200 x 1600	100	F5	10	307845	3
200 x 1600	120	F5	10	307846	3
200 x 3000	80	F5	10	307847	3
200 x 3000	100	F5	10	307848	3
200 x 3000	120	F5	10	307849	3

Abrasive paper

PS 61 F



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close
Backing	F-paper

Applications

Stainless steel	●
Steel	●

Advantages: Continuously aggressive abrasive behaviour due to micro-crystalline and self-sharpening ceramic grit - High performance abrasive belt for stainless steel finish grinding

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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All sizes and minimum purchasing quantities available on request

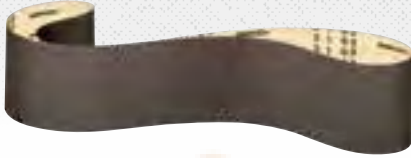
Belts with paper / film backing

Coated abrasives

Abrasive paper, KULEX

PS 529 F

NEW !



Properties

Bonding agent	Resin
Grain	SiC agglomerate
Backing	F-paper

Applications

Stainless steel	●
Steel	●
Glass/Stone	○

Advantages: Long life belt for a brilliant and shiny finish, with low and medium contact pressure - Very long service life, with constant surface roughness - Ideal for dry sanding on wide and long belt machines

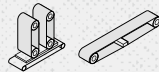
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, KULEX

PS 729 F



Properties

Bonding agent	Resin
Grain	Aluminium oxide agglomerate
Backing	F-paper

Applications

Stainless steel	●
Steel	●

Advantages: Long life belt for dry grinding applications - Extremely high service life - Constant surface quality for pre-grinding until finishing - Specially developed for grinding with intermediate contact pressure

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

All sizes and minimum purchasing quantities available on request

Abrasive film, active coated

FP 73 W



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

Applications

Paint/Varnish/Filler	●
Plastic	●

Advantages: Special product for processing varnish, plastic and composites - Highly tear resistant film backing - Abrasive belt with extremely good adaptation, smooth surface and excellent grit adhesion - Substantially reduced clogging and significantly longer service life

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

All sizes and minimum purchasing quantities available on request

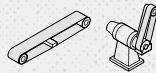
Belts with cloth backing

Coated abrasives



Abrasive cloth

CS 308 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
Wood	●
Steel	●
NF metals	●

Plastic	○
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Advantages: Tear resistant universal abrasive cloth for metalworking and for hardwoods - Excellent removal rate under high stress

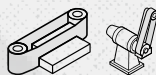
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

LS 309 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Metals	●
NF metals	●
Wood	●

Advantages: Universal belt for metalworking and woodworking - Excellent price-performance ratio

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

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
50 x 1020	40	F5	10	36837	4
50 x 1020	60	F5	25	38075	4
50 x 1020	80	F5	25	39401	4
50 x 1020	100	F5	25	40832	4
50 x 1020	120	F5	25	42020	4
50 x 2000	40	F4G	10	4502	4
50 x 2000	60	F4G	25	4531	4
50 x 2000	80	F4G	25	4548	4
75 x 2000	40	F4G	10	36923	4
75 x 2000	60	F4G	10	38198	4
75 x 2000	80	F4G	10	39556	4
100 x 800	60	F5	10	38286	4
100 x 800	80	F5	10	39659	4
100 x 800	120	F5	10	137024	4
100 x 860	60	F5	10	38895	4
100 x 860	80	F5	10	40425	4
100 x 860	100	F5	10	41621	4
100 x 860	120	F5	10	42678	4



Belts with cloth backing

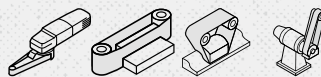
Coated abrasives

→ Continuation of LS 309 X Abrasive cloth

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
100 x 900	60	F5	10	38898	4
100 x 900	80	F5	10	40428	4
100 x 900	100	F5	10	41623	4
100 x 900	120	F5	10	42679	4
100 x 915	40	F5	10	37324	4
100 x 915	60	F5	10	38900	4
100 x 915	80	F5	10	40430	4
100 x 915	100	F5	10	41625	4
100 x 915	120	F5	10	42681	4
100 x 915	150	F5	10	43054	4
100 x 915	180	F5	10	43308	4
100 x 915	240	F5	10	128755	4
100 x 950	40	F5	10	37328	4
100 x 950	60	F5	10	38904	4
100 x 950	80	F5	10	40435	4
100 x 950	100	F5	10	41627	4
100 x 950	120	F5	10	42684	4
100 x 1000	40	F5	10	36999	4
100 x 1000	60	F5	10	38304	4
100 x 1000	80	F5	10	39679	4
100 x 1000	100	F5	10	41019	4
100 x 1000	120	F5	10	42199	4
150 x 1220	60	F5	10	38428	4
150 x 1220	80	F5	10	39852	4
150 x 2000	40	F4G	10	37071	4
150 x 2000	60	F4G	10	38460	4
150 x 2000	80	F4G	10	39884	4

Abrasive cloth

LS 309 J



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	J-cotton

Applications

NF metals	●
Steel	●
Stainless steel	●
Wood	●

Advantages: Good abrasive performance for working on slight contours on metal and wood

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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All sizes and minimum purchasing quantities available on request

Belts with cloth backing

Coated abrasives



Abrasive cloth

LS 309 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Steel	●
Stainless steel	●
NF metals	●
Wood	●

Advantages: High removal rate in metalworking and woodworking - Very good adaptation to radiuses and contours due to highly flexible cotton backing

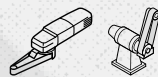
Available grits:

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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All sizes and minimum purchasing quantities available on request

Abrasive cloth

CS 310 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Stainless steel	●	Plastic	●
Wood	●		
Steel	●		
NF metals	●		

Advantages: High quality universal type for metalworking and woodworking - Good removal rate under high stress

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
25 x 1065	60	F4G	10	244635	4
25 x 1065	80	F4G	10	244634	4
50 x 1020	40	F5	10	47753	4
50 x 1020	60	F5	25	48549	4
50 x 1020	80	F5	25	49300	4
50 x 2000	40	F4G	10	4587	4
50 x 2000	60	F4G	25	4590	4
50 x 2000	80	F4G	25	4591	4
50 x 2000	120	F4G	25	4593	4
75 x 2000	36	F4G	10	4594	4
75 x 2000	40	F4G	10	4595	4
75 x 2000	60	F4G	25	4596	4
75 x 2000	80	F4G	25	49399	4
75 x 2000	120	F4G	25	50652	4
75 x 2000	180	F4G	25	51222	4
75 x 2000	240	F4G	25	51470	4
100 x 920	60	F5	10	48717	4
100 x 920	80	F5	10	49454	4



Belts with cloth backing

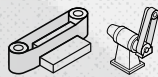
Coated abrasives

►► Continuation of CS 310 X, Abrasive cloth

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
100 x 920	100	F5	10	50136	4
150 x 2000	36	F4G	10	47492	4
150 x 2000	40	F4G	10	47921	4
150 x 2000	60	F4G	10	48821	4
150 x 2000	80	F4G	10	49581	4
150 x 2000	120	F4G	10	50767	4
200 x 550	40	F7G	10	97832	4
200 x 550	60	F7G	10	105992	4
200 x 550	80	F7G	10	123929	4
200 x 550	120	F7G	10	123931	4
200 x 750	24	F7G	10	47101	4
200 x 750	36	F7G	10	47561	4
200 x 750	40	F7G	10	48028	4
200 x 750	60	F7G	10	48970	4
200 x 750	80	F7G	10	49764	4
200 x 750	100	F7G	10	50340	4
200 x 750	120	F7G	10	50872	4

Abrasive cloth ANTISTATIC

CS 311 Y ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	Y-polyester

Applications

Wood	●
Metals	○

Advantages: Good removal rate for working on wood under high stress - Minimal clogging and long service life due to Advanced Coating Technology (ACT) and antistatic properties

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

All sizes and minimum purchasing quantities available on request

Belts with cloth backing

Coated abrasives



Belts

Abrasive cloth

LS 312 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Stainless steel	●
NF metals	●
Steel	●
Wood	○

Advantages: Outstanding removal rate and service life due to active abrasive substances - Very good adaptation to radiuses and contours due to highly flexible cotton backing

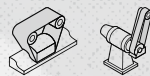
Available grits:

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
300 x 3500	100	F1	10	79849	4
300 x 3500	150	F1	10	247873	4
300 x 3500	280	F1	10	79850	4
300 x 3500	320	F1	10	83657	4
300 x 3500	400	F1	10	81147	4

Abrasive cloth, multibond

LS 313 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Stainless steel	●
Aluminium	●
NF metals	○

Advantages: Top product for working on temperature-sensitive molded parts - Very good adaptation to radiuses and contours due to highly flexible cotton backing - Cool grinding due to additional multibond

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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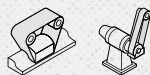
All sizes and minimum purchasing quantities available on request

Belts with cloth backing

Coated abrasives

Abrasive cloth

LS 314 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Metals	●
Plastic	●
NF metals	●

Advantages: Specialised product with stearate coating to reduce clogging during work on lightly and heavily profiled parts made of brass, aluminium and composite materials (plastic/stainless steel or wood/stainless steel)

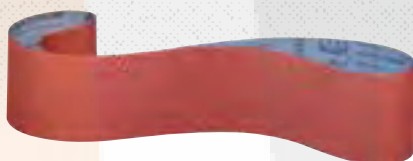
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth ANTISTATIC, SUPERFLEX

LS 318 JF ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	JF-cotton

Applications

Wood	●
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Advantages: Top product for working on profiles and contours, especially in woodworking - Outstanding adaptation, also to tight radiuses, due to highly flexible cotton backing - Reduced clogging and long service life to the Advanced Coating Technology (ACT)

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 320 Y



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	Y-polyester

Applications

Glass/Stone	●
Mineral-based materials	●
Plastic	●

Advantages: Outstanding abrasive performance on hard and difficult-to-machine materials - Ideal for high stress - Can be used wet or dry

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

All sizes and minimum purchasing quantities available on request

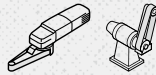
Belts with cloth backing

Coated abrasives



Abrasive cloth, waterproof

CS 321 X



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	X-cotton

Applications

Glass/Stone	●
Mineral-based materials	●
Plastic	●

Advantages: Outstanding abrasive performance on hard and difficult-to-machine materials - Ideal for wet grinding, but also suitable for dry grinding

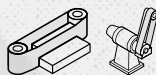
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 322 X



Properties

Bonding agent	Resin
Grain	Cork
Backing	X-cotton

Applications

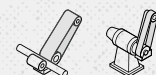
Glass/Stone	●
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Advantages: Special product for polishing glass with high quality cork/resin coating - Long life with consistent polishing effect - Waterproof

All sizes and minimum purchasing quantities available on request

Abrasive cloth, KULEX

CS 325 Y



Properties

Bonding agent	Resin
Grain	SiC agglomerate
Backing	Y-polyester

Applications

Stainless steel	●
Glass/Stone	●

Advantages: Long life abrasive belt for a brilliant, glossy finish, under medium to high grinding pressure - Extremely long life, with consistent surface roughness and finish - Suitable for dry and wet grinding

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

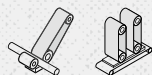
All sizes and minimum purchasing quantities available on request

Belts with cloth backing

Coated abrasives

Abrasive cloth, KULEX

CS 326 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide agglomerate
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Long life abrasive belt for a satin surface scratch pattern, under medium to high grinding pressure - Extremely long life, with consistent surface roughness and finish - Suitable for wet and dry grinding

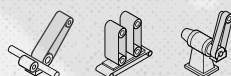
Available grits:

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
150 x 2500	80	F4G	10	316029	4
150 x 2500	120	F4G	10	316030	4
150 x 2500	180	F4G	10	316031	4
150 x 2500	240	F4G	10	316032	4
150 x 2500	320	F4G	10	316033	4
150 x 2500	400	F4G	10	316034	4
150 x 2500	600	F4G	10	351663	4

Abrasive cloth, KULEX

CS 329 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide agglomerate
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Long life abrasive belt for a satin surface scratch pattern, under low to medium grinding pressure - Especially suitable for dry grinding

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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All sizes and minimum purchasing quantities available on request

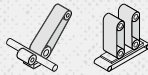
Belts with cloth backing

Coated abrasives



Abrasive cloth, waterproof

CS 330 X



Properties

Bonding agent	Resin
Grain	SiC/Cork
Coating	Close
Backing	X-cotton

Applications

Stainless steel	●
Steel	●

Advantages: Soft, very fine grinding with low surface roughness, polishable - Special belt for satin final finishing of stainless steel and steel surfaces with cork granulate and SiC/resin coating

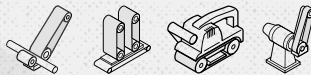
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

CS 333 X



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	X-cotton

Applications

Glass/Stone	●
Plastic	●

Advantages: Ideal for dry grinding of very hard or difficult-to-machine materials (castings, scales, ceramic, rubber, plastic)

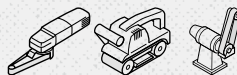
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

CS 333 XF



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	XF-cotton

Applications

NF metals	●
Plastic	●

Advantages: Long service life and high abrasive performance - Optimal combination of flexibility and tear resistance

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

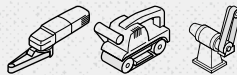
All sizes and minimum purchasing quantities available on request

Belts with cloth backing

Coated abrasives

Abrasive cloth

CS 333 JF



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	JF-cotton

Applications

NF metals	●
Plastic	●

Advantages: Long service life and high abrasive performance - Very good adaptation to radiuses and contours due to highly flexible cotton backing - Ideal for hand grinding of brass fittings and other molded parts

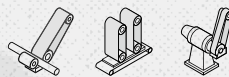
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 341 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Metals	●
Stainless steel	●
Steel	●
NF metals	●

Advantages: High quality universal type for wet grinding - Good service life and fine finish - Especially for rough through to fine grinding in centreless and surface grinding applications

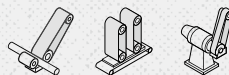
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, multibond

CS 409 Y



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
NF metals	●

Advantages: Aggressive abrasive behaviour - Cool grinding and increased grinding performance on stainless steel and high alloy steels due to additional multibond - Very long service life also when used for grinding of non-ferrous metals

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

All sizes and minimum purchasing quantities available on request

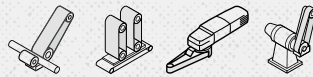
Belts with cloth backing

Coated abrasives



Abrasive cloth, multibond

CS 410 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Stainless steel	●
NF metals	○

Advantages: Cool grinding and no heat tinting due to additional multibond - Increased abrasive performance for use on stainless steel

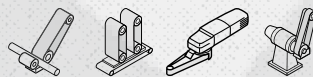
Available grits:

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
50 x 450	60	F4G	25	53108	4
50 x 450	80	F4G	25	53267	4
50 x 450	120	F4G	25	53538	4

Abrasive cloth

CS 411 X



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	X-cotton

Applications

Stainless steel	●
Steel	●

Advantages: High aggressiveness and abrasive performance in rough grinding of steel and stainless steel - Very versatile in all areas of metalworking

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
50 x 2000	36	F4G	10	26419	4
50 x 2000	40	F4G	10	26593	4
50 x 2000	60	F4G	25	72251	4
50 x 2000	80	F4G	25	26943	4
50 x 2000	120	F4G	25	103997	4
75 x 2000	24	F4G	10	4618	4
75 x 2000	36	F4G	10	4619	4
75 x 2000	40	F4G	10	4620	4
75 x 2000	60	F4G	10	4622	4
75 x 2000	80	F4G	10	26969	4
75 x 2000	120	F4G	10	113664	4
100 x 2000	36	F4G	10	26463	4
150 x 2000	36	F4G	10	26488	4



Belts with cloth backing

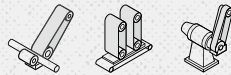
Coated abrasives

→ Continuation of CS 411 X, Abrasive cloth

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
150 x 2000	40	F4G	10	26668	4
150 x 2000	60	F4G	10	72775	4
150 x 2000	80	F4G	10	27030	4
150 x 2000	120	F4G	10	101308	4

Abrasive cloth, waterproof

CS 411 Y



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Tear resistant high performance belt - Especially high aggressiveness and abrasive performance due to zirconium grain - Especially for stainless steel, but also for steel and metal in general

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
	Width x Length in mm				Grit			Belt joint	Packing unit/pcs.			Cat. number			Discount group									
	75 x 2000				24			F4G	10			62056			4									
	75 x 2000				36			F4G	10			62150			4									
	75 x 2000				40			F4G	10			62509			4									
	75 x 2000				50			F4G	10			62604			4									
	75 x 2000				60			F4G	10			62938			4									
	75 x 2000				80			F4G	10			63068			4									
	75 x 2000				120			F4G	10			20598			4									
	150 x 2000				36			F4G	10			62176			4									
	150 x 2000				40			F4G	10			62537			4									
	150 x 2000				60			F4G	10			62971			4									
	150 x 2000				80			F4G	10			63102			4									
	150 x 2000				120			F4G	10			278219			4									

Belts with cloth backing

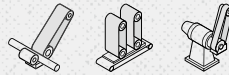
Coated abrasives



Belts

Abrasive cloth, waterproof

CS 412 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	Y-polyester

Applications

NF metals	●	Wood	●
Stainless steel	●		
	●		
Steel	●		

Advantages: High quality universal type for wet and dry grinding of stainless steel, steel and other metal surfaces

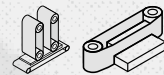
Available grits:

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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All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 416 Y



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Semi-open
Backing	Y-polyester

Applications

Stainless steel	●
Plastic	●
NF metals	●

Advantages: Very high aggressiveness and abrasive performance - Long service life also when used on materials that cause clogging

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
75 x 2000	36	F4G	10	204858	4
75 x 2000	40	F4G	10	205377	4
75 x 2000	60	F4G	10	207651	4
75 x 2000	80	F4G	10	220805	4
150 x 2000	36	F4G	10	231336	4
150 x 2000	40	F4G	10	205474	4
150 x 2000	60	F4G	10	204213	4
150 x 2000	80	F4G	10	205130	4

Belts with cloth backing

Coated abrasives

Abrasive cloth, NOPPEX

CS 420 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Long life abrasive belt with cylindrical-shaped structured abrasive grain for a satin surface scratch pattern, under high to medium grinding pressure - Very suitable for centreless circular and surface grinding - Suitable for dry and wet grinding

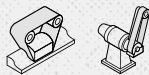
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

GX 533 JF



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	JF-blended cloth

Applications

NF metals	●
Plastic	●
Titanium/Alloy	●
Mineral-based materials	●

Advantages: Special product for use on brass (sanitary fittings) and titanium (surgical instruments) - Good adaptation to radiuses and contours - High process reliability in robot applications or working with unsupported belts due to highly tear resistant blended fabric backing

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, multibond

CS 631 XF



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Semi-open
Backing	XF-cotton

Applications

Stainless steel	●
Titanium/Alloy	●

Advantages: Continuously aggressive abrasive performance, with long service life due to ceramic grit - Good adaptation to radiuses and contours - Prevents heat tinting on stainless steel due to multibond

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

All sizes and minimum purchasing quantities available on request

Belts with cloth backing

Coated abrasives



Abrasive cloth

CS 710 XF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	XF-cotton

Applications

Steel	●
Stainless steel	●
NF metals	●

Advantages: Machine grinding of surfaces or moulded parts in trade and industry - Flexible, yet tear resistant backing - Abrasive belt with hardened and tempered 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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

GX 712 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-blended cloth

Applications

NF metals	●
Stainless steel	●
Steel	●

Advantages: Active abrasive substances ensure outstanding abrasive performance - Special product for tough/hard and heat-sensitive materials - Good adaptation to radiuses and contours - High process reliability in robot applications or working with unsupported belts due to highly tear resistant blended fabric backing.

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

All sizes and minimum purchasing quantities available on request

Belts with cloth backing

Coated abrasives

Abrasive cloth, waterproof

CS 811 Y ACT



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	Y-polyester

Applications

Die-cast aluminium	●
Stainless steel	●
Steel	●

Advantages: High aggressiveness and abrasive performance - Developed for applications under high stress - Especially good grain adhesion and service life due to Advanced Coating Technology (ACT)

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, multibond

CS 910 Y ACT



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
Titanium/Alloy	●

Advantages: Continuously aggressive abrasive performance, with long service life due to ceramic grit - High performance abrasive belt for stainless steel finish grinding - Prevents heat tinting on stainless steel - No dulling/glazing when used on titanium and high alloy steels

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 912 Y ACT



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Continuously aggressive abrasive performance, with long service life due to ceramic grit - High performance abrasive belt for stainless steel finish grinding

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

All sizes and minimum purchasing quantities available on request

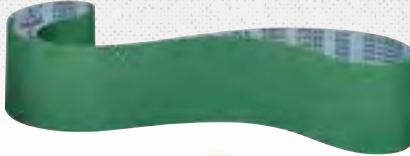
Belts with cloth backing

Coated abrasives



Abrasive cloth, multibond

CS 931 JF



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Semi-open
Backing	JF-cotton

Applications

Stainless steel	●
Titanium/Alloy	●

Advantages: Special product with highly flexible backing for the processing of stainless steel and high alloy steel - Continuously aggressive grinding properties with high lifetime due to semi-open coated self-sharpening ceramic grain - Very good adaptability to radiuses and edges through highly flexible backing - The additional multibond provides a cool grinding in the processing of stainless steel and thus tempering colours are avoided

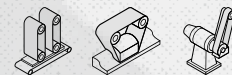
Available grits:

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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All sizes and minimum purchasing quantities available on request

Abrasive cloth, multibond

GX 931 JF



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Semi-open
Backing	JF-blended cloth

Applications

Stainless steel	●
Titanium/Alloy	●

Advantages: Special product with flexible and tear resistant backing for the processing of stainless steel and high alloy steel - Continuously aggressive grinding properties with high lifetime due to semi-open coated self-sharpening ceramic grain - Good adaptability on radiuses and edges through flexible backing - The additional multibond provides a cool grinding in the processing of stainless steel and avoids tempering colours

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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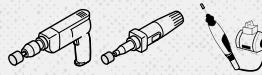
All sizes and minimum purchasing quantities available on request

Spirabands

Coated abrasives

Abrasive cloth

CS 310 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Metals	●
Plastic	○

Advantages: Tear resistant cloth with reinforced backing - Spiral-shaped joint, cylindrical form - Universal applications in metalworking - High aggressiveness when used with rubber drum GK 555

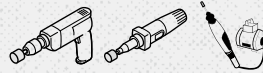
Available grits:

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 x Height in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
10 x 20	80	50	11555	14
10 x 20	150	50	11554	14
13 x 25	50	50	28188	14
13 x 25	80	50	11558	14
15 x 30	50	50	11568	14
15 x 30	80	50	11567	14
15 x 30	150	50	11566	14
22 x 20	50	50	11571	14
22 x 20	80	50	11570	14
22 x 20	150	50	11569	14
30 x 20	50	50	11574	14
30 x 20	80	50	11573	14
30 x 30	50	50	11577	14
30 x 30	80	50	11576	14
30 x 30	150	50	11575	14
45 x 30	50	50	11580	14
45 x 30	80	50	11579	14
45 x 30	150	50	11578	14
60 x 30	50	25	11583	14
60 x 30	80	25	11582	14
60 x 30	150	25	11581	14
75 x 30	50	25	11586	14
75 x 30	80	25	11585	14

Abrasive cloth

CS 310 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Metals	●
Plastic	○

Advantages: Tear resistant cloth with reinforced backing - Spiral-shaped joint, conical form - Universal applications in metalworking - High aggressiveness when used with rubber drum GK 555 A

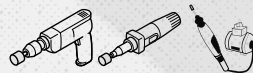
Available grits:

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 1 x Diameter 2 x Height in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
22 x 29 x 30	50	50	11592	14
22 x 29 x 30	80	50	11591	14
22 x 36 x 60	50	50	11595	14
22 x 36 x 60	80	50	11594	14
22 x 36 x 60	150	50	11593	14

Abrasive cloth, multibond

CS 451 X



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	X-cotton

Applications

Stainless steel	●
-----------------	---

Advantages: Tear resistant cloth with reinforced backing - Spiral-shaped joint, cylindrical form - High quality zirconia alumina with multibond especially suited for working on stainless steel - High aggressiveness when used with rubber drum GK 555

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 x Height in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
30 x 20	40	50	334246	14
30 x 20	60	50	255475	14
45 x 30	40	50	334247	14
45 x 30	60	50	255476	14
60 x 30	40	25	334248	14
60 x 30	60	25	255626	14

Rubber drums

Rubber drums

GK 555



Advantages: Reusable rubber drum for cylindrical spirabands CS 310 X and CS 451 X - Mounting and dismounting by a light turn

Diameter x Width x Shaft in mm	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
10 x 20 x 6	30 m/s	44000 rpm	1	14843	14
13 x 25 x 6	30 m/s	44000 rpm	1	14845	14
15 x 30 x 6	30 m/s	36000 rpm	1	14847	14
22 x 20 x 6	30 m/s	26000 rpm	1	14848	14
30 x 20 x 6	30 m/s	19100 rpm	1	14849	14
30 x 30 x 6	30 m/s	19100 rpm	1	14850	14
45 x 30 x 6	30 m/s	12700 rpm	1	14851	14
60 x 30 x 6	30 m/s	9500 rpm	1	14852	14
75 x 30 x 8	30 m/s	7600 rpm	1	14853	14

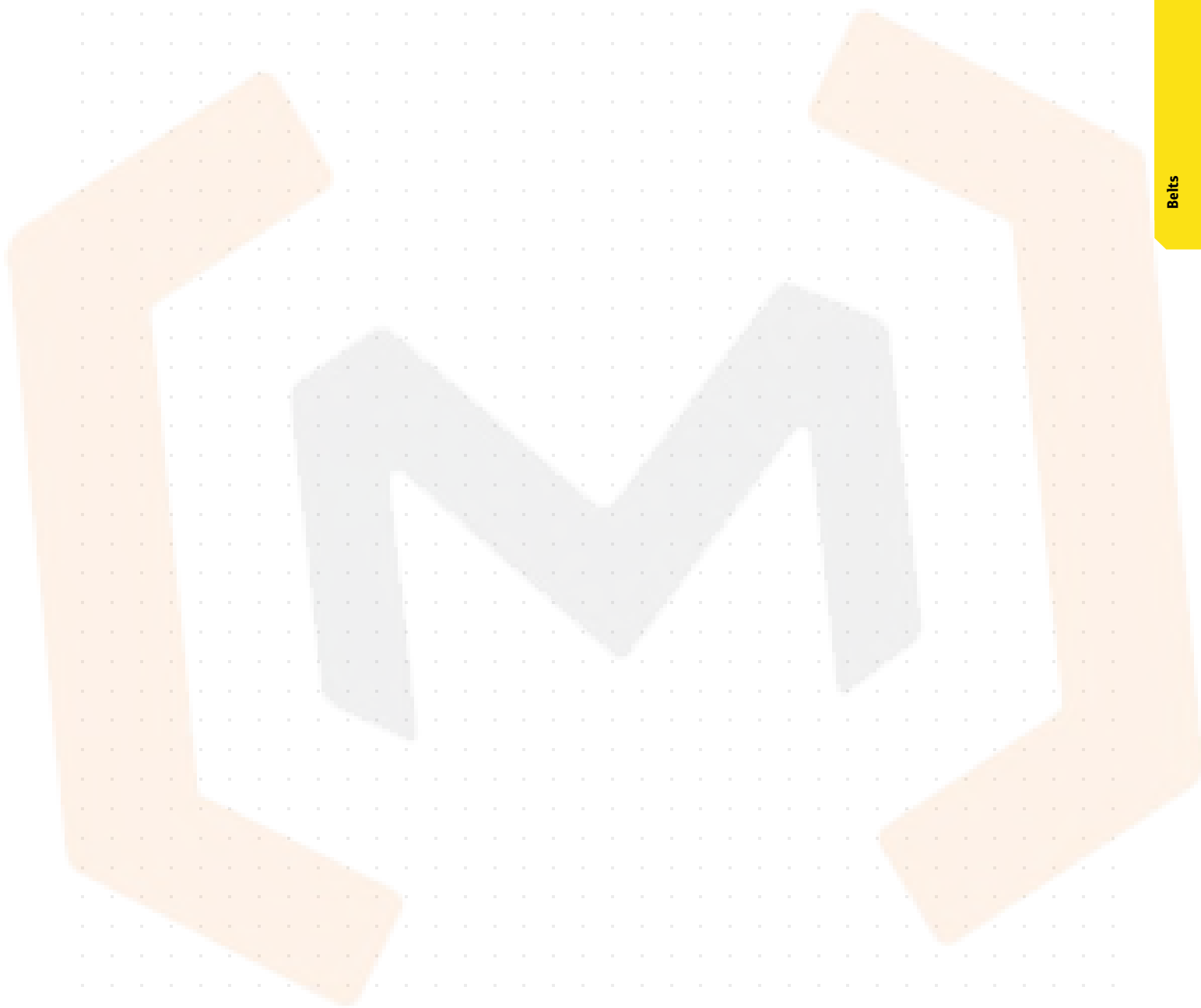
Rubber drums

GK 555 A



Advantages: Reusable rubber drum for cone-shaped spirabands CS 310 X - Mounting and dismounting by a light turn

Diameter 1 x Diameter 2 x Height x Shaft in mm	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
22 x 29 x 30 x 6	30 m/s	19100 rpm	1	14855	14
22 x 36 x 60 x 6	30 m/s	26000 rpm	1	14856	14



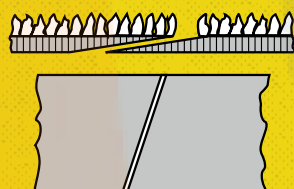
Belt joints for wide belts

Klingspor supplies belts with various types of joint. The type of joint you require depends on the work involved and the machine you are using.

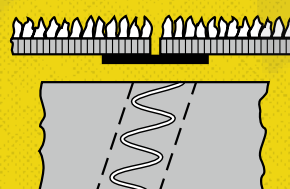
The following illustrations show the usual types of joints. The available types of joints are listed in the product charts on the following pages.

The chart alongside contains all the standard types of machines for wide belts. Please contact us if you cannot find the machine used by you on this list. We will be pleased to assist you further.

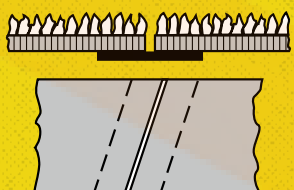
If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.



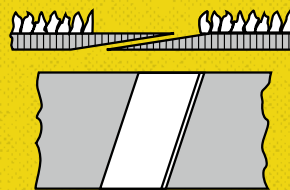
Form 1
Overlapping glued joint. Standard joint for wide belts with paper backing.



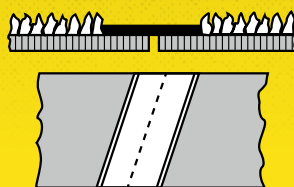
Form 3G
Zig zag joint, with foil backing for finishing surfaces that must be of the highest quality using wide belts with cloth backing.



Form 4G
Butt joint with cloth-reinforced foil backing. Standard joint for wide belts with cloth backing. High tear resistance.



Form 5
Overlapping glued joint. Grit zone is completely ground off. For applications with flat contact elements, allows a gentle transition in the belt connection area.



Form 6G
Butt joint with cloth-reinforced foil glued on grit side. Grit zone is completely ground off. Use in the timber products industry.

Wide belts

Applications guide



Wide belt machines

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Anthon	Saphir Combi 1100/1300, Saphir WS 1100/1300, Saphir WWS 1100/1300, Saphir 110/130, Saphir L, Saphir L-series	1120/1320	1900
	CMOWKS	900/1100/1300	2500
Biesse	Levia 95	970	1900
	Levia 110	1120	2150
	Levia 110R	1115	2620
	Levia 135, Levia 135R 2, Levia 135R 3	1370	2150
	Levia 210, Levia 220	970	1900
	Levia 310, Levia 320, Levia 330	1120/1370	2150
	Regal 135 2, Regal 135 3, Regal 520, Regal 530	1370	2620
	Regal 320, Regal 330	1120/1370	2620
Boere	B, Kombi, Sandonomic C, Sandonomic KC	610/810/910/1010/1110/1310	1900
	Elite B	610/910/1100/1310	1900
	Elite B/T	610/910	1900
	Elite B/T	1110/1310/1660	2620
	Elite-LAC K, Elite-LAC KK	1100/1300	2620
	Elite-T	610/910/1110/1310	1900
	Elite TP	910/1110/1310	1900
	Merite C, Merite KC	1010	1900
	MT C, MT KS/KK, MT KKS/KKK	410/610/940	1525
	Sandrite C, Sandrite KC	1110/1310	1900
Bütfering	Select C, Select K, Select KC, Select KK, Select KS, Select KKC, Select KKK, Select KKS, Select CB, Select KSB	910/1110/1310	1900
	Select +plus+	1370	2620
	AF 2, AF 3	1110/1360	2620
	AL-E	1360	2620
	AWS 2, AWS 3, AWS Combi	1110/1360	1900
	Optimat SBC 111/113/Classic, Optimat SBC 211/312/Classic, Optimat SBC 311/313/Classic	1120/1370	1900
	Optimat SBC 213/QC/Classic, Optimat SBC 313/QCE/Classic, Optimat SBC 313/RQE/Classic	1370	1900/2620
	E-Line 111, E-Line 211, E-Line 311	1120	1900
	E-Line 113, E-Line 213, E-Line 313	1370	1900
	ECO 1100, ECO 2 K, ECO 2 KC, ECO 2 KK, ECO 2 C-E, ECO 2 K-E	1120	1900
	PRO 111, PRO 211	1120	1900
	SBO 109	970	1900
	SCO 213 CC, SCO 213 CH, SCO 213 QC, SCO 213 QH	1370	2620
	SGO 109 K	970	1900
	SGO 211 K, SGO 211 RK, SGO 211 MK, SGO 311 RKK	1120	1900
	SKO 111 C	1120	1900
	SKO 113 C, SKO 213 RC, SKO 213 CC	1370	1900
	STO 111 L, STO 211 RL	1120	1900
	STO 113 L, STO 213 RL, STO 313 RRL	1370	1900
	Super 109 L, Super 209 RL	970	1900
	Super 111 L, Super 211 RL	1120	1900
	Super 113 L, Super 213 RL	1370	1900

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Büftering	Super RRF/RRL 311/313, Super RLF 311/313, Super MRL 311/313	1120/1370	1900
	SWO 313 RRF	1370	2620
	SWT 113 K	970	1900
	SWT 142 RK, SWT 124 MK, SWT 124 RC, SWT 134 RCC, SWT 134 RRK	1120	1900
	SWT 315 C, SWT 325 RL, SWT 325 RC, SWT 325 RH, SWT 325 CC, SWT ww 325 CH, SWT 325 QC, SWT 335 RQE, SWT 335 RQH, SWT 335 QCE, SWT 335 RRL, SWT 335 RRC	1370	2620
	SWT 515 C	1370	2150
	SWT 525 CC, SWT 525 CH, SWT 525 QC, SWT 525 QH, SWT 535 RQE, SWT 535 RQH, SWT 535 QCE, SWT 535 QCH	1370	2620
	SWT 700	1350/1650	2620/3250
	SWT 900	1350/1650/2200	2620/3250
	Vega 111, Vega 211 C-E, Vega 311	1120	2150
Casadei	Vega 113, Vega 213 C-E, Vega 313	1370	2150
	Libra 1 (TC 95, RR 95, RT 95, RTC 95)	970	2200
	Libra 2 (TC 110, RR 110, RT 110, RTC 110)	1120	2200
	Libra 3 (110 RRT, 110 RRR, 110 RRTC)	1120	2200
	Libra 4/2 (RR 135, RT 135, RTC 135, TCTC 135, TCT 135, TT 135)	1380	2620
	Libra 4/3 (RRR 135, RRT 135, RTCTC 135, RRTC 135, RIT 135, RTCT 135)	1380	2620
	Libra 6 (RT 115, RR 115, RT 135, RR 135)	1180/1380	2620
	Libra 10	970	1525
	Libra 30 (RTC 95, TC 110, RTC 110)	970/1115	1900
	Libra 40, Libra 40/3 (RR110, RTC 110, RRR 110, RRTC 110, TC 135, RR 135, RTC 135, RRR 135, RRTC 135)	1115/1370	2200
CMC	Libra 50 (RR 135, RTC 135, RRR 135, RRTC 135)	1370	2620
	Libra 60 (RR135, RTC 135, RRR 135, RRTC 135)	1370	2620
	LEV 95 RT/RR/R+T	970	1900
	LEV 115 RT/RR/R+T	1180	1900
	A, A1, AK, AF, AKF, AW1	1180/1380	2620
	K, KA, KB, KH, KK, KP, KBA, KBH, KHV, KKA, KKH, KKP, KPH	1350/1650	2620/3250
	Elite CK, C/400, CT, CC, C/CK, CK/T	1150/1350	2620
	S, SA, SP	1150/1350	2620
	S4	1380/1680	4600
	SN	1380/1680	2620/3250
Costa	SH	1380	2620/3250
	SK (Serie 4)	1150	2200
	SK (Serie 5, Serie 6)	1380	2620
	K (Serie 7)	350 – 1650	2620/3250
	K (Serie 8)	1350 – 2200	2620/3250
	K (Serie 9)	1650 – 3000	3250/4600

Wide belts

Applications guide

Wide belt machines

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
DMC	Chronosand	1115/1315	2620
	Eurosand L	1115/1370	2620
	Mastersand 110, Mastersand 135	1115/1370	2620
	Polisand	1130/1330	2200/2620
	System 1350 RK	1370	2620
	System T2 1350, System T3 1350, System T5 1350, System T7 1350	1370	2620
	System BT44 1350	1370	2620
	System BT22 2200	2220	2620
	System T10	1370	2620
	Technosand K	1115/1370	2620
	Technosand L	1115	2620
	Topsand 2000	1370/1670/1920/2270	3250
	Unisand 2000	1370	2620
EMC	Explorer	670/970/1120	1900
	Explorer Super	670/970/1120	2200
	Giant	1370	2620
	Under-Top	1120	1900
	Venus	1120/1370	2200
	Venus Super	1120/1370	2620
Ernst	820 (SIMPLEX, DUPLEX, KOMBI)	1400	2150
	Economic 520 (SIMPLEX, DUPLEX)	1400	2620
	LKKB(B)/K, LKB(B)/K, KBB/K	1400	2620/3150
	EG 3 M/1400	1400	1540
	EM 5N 900	900	1540
	EM 3N 1400, EGM 3M 1400	1400	1690
Felder	510, 530, 810, 830, 850	1400	2620
	FW 650	670	1900
	FW 950 classic	970	1700
	FW 952	970	1900
	FW 1100, FW 1102	1110	1900
Format 4 (Felder Group)	finish 1102, finish 1302	1110/1310	2200
	Giant 1350	1350	4550
Griggio	GC65, GC95, GC110	670/970/1120	2150
	GI 1000 RR/RRT, GI 1300 RR/RRT	1120/1370	2620
Heesemann	MFA 10	1400	2620/3250
	EH 31.11	1120	1900
	EH 51.11, EH 52.11	1120	2150
	EH 51.13, 52.13	1370	2150
	FBA 8	700/1400	2620
	KSA 4	1350	3250
	KSA 8	1650/2050/2350/2650	2620/3250
	LSM 4-U, LSM 8	1350	2620/3250
	LSM 6, KSM 8	1350	2620
	LAZ 2	1400	2100
	MFA 6, MFA 6 Impression, MFA 8, MFA Impression	1400	2150/2620
Holzkraft	BBS 430 C	450	1600
	BBS 630 C	650	1600
	BSH 650 HP	650	1900
80	BSM 1100 RP	1100	1900

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Holzmann	SPB 300R, SPB 300C, SPB 300RR, SPB 300RC	320	1900
	SPB 400R, SPB 400C, SPB 400RR, SPB 400RC	420	1900
	SPB 430R, SPB 430C	450	1600
	SPB 630R, SPB 630C	650	1600
	SPB 630R, SPB 630 RR, SPB 630RC	650	1900/2200
	SPB 910R, SPB 910C, SPB 910RC, SPB 910RR	930	1900/2200
	RP 950B	980	1900
	RRP 650 B	680	1900
	RRP 1000B	1030	2200
Johannsen	Aerostat	1130/1330	2200
	Aerostat I 1K	1050/1130/1350	1900
	Aerostat I 2 RS	1050/1130	1900
	Aerostat II 2 RS, Aerostat II 2 RK, Aerostat 2 KS, Aerostat 2 KK	1130/1350	1900
	Compact 1K	1050	1900
	Compact 2 RS, Compact 2 RK	1050/1130	1900
Kündig/ Enorm	MT 2/1100	1150	1900
	Primo, Triplex, Magiq, Topiq	1120/1350	2000
	Enorm DUO 1100	1120	1900
	Duplex	670/1120/1350/1620	2000
	Premium, Brilliant, Technic	420/670/1120/1350/1620/1920/2220	2000
OTT	Alpha, Alphontronic	1120/1380	2150
	Comet 1	1120/1380	1900
	Comet 2, Comet 3	1100/1360	1900
	Delta	1400	2150
	Deltatronic	1120/1380	2150
	Euro	1120/1380	1900
	Euro 95 WS	970	1900
	Lambda, Lambda KSE 2	1360	2620
	Megatron	1120/1380	1900
	Omega, Omegatron	1120/1380	2150
Sanding-master / Timesavers	RSK-O	1120	1900
	CSB-400	430	1600
	CSB-600, CSB-900, SCSB-1100, SCSB-1300	630/930/1130/1330	1900
	CSB-1600, CSB-1950	1630/1980	2620
	CSB 2-600, CSB 2-900, SCSB 2-1100, SCSB 2-1300	630/930/1130/1330	1900
	CSB 2-1050, CSB 2-1300, CSB 2-1600, CSB 2-1950	1080/1330/1630/1980	2620
	CSB 3-600, CSB 3-900, SCSB 3-1100, SCSB 3-1300	630/930/1130/1330	1900
	CSB 3-1050, CSB 3-1300, CSB 3-1600, CSB 3-1950	1080/1330/1630/1980	2620
	KCSB-U	930/1130/1330	1900
	SA 2100 W, SA 2100 C, SA 2100 K	600/900/1100/1350	1900
	SA 2200 WW, SA 2200 WS, SA 2200 WC	600/900/1100/1350	1900
	SA 2200 WK, SA 2200 WG	1100/1350	1900
	SA 2200 KG	1100	1900
	SA 2300 WWW, SA 2300 WWS	600/900/1100	1900
	SA 3100 W, SA 3100 C, SA 3100 K	900/1100/1350	1900

Wide belts

Applications guide



Wide belt machines

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Sanding-master / Timesavers	SA 3100 W, SA 3100 C, SA 3100 K	900/1100/1350	1900
	SA 3200 WW, SA 3200 WS, SA 3200 WC, SA 3200 PW, SA 3200 PC, SA 3200 WK, SA 3200 WG, SA 3200 KG	900/1100/1350	1900
	SA 3300 WWW, SA 3300 WWS, SA 3300 WWC, SA 3300 PWS, SA 3300 PWC, SA 3300 WWK, SA 3300 WWG	900/1100/1350	1900
	SA 3400 WWWW, SA 3400 WWWS, SA 3400 WWWC	900/1100/1350	1900
	SA 4100 W	1100/1350	2620
	SA 4200 WW, SA 4200 WS, SA 4200 PW, SA 4200 WG, SA 4200 DW	1100/1350	2620
	SA 4300 WWW, SA 4300 WWS, SA 4300 PWS, SA 4300 WWG, SA 4300 DWG, SA 4300 DKG	1100/1350	2620
	SA 4400 WWWW, SA 4400 WWWS, SA 4400 WWKG	1100/1350	2620
	SCSB	630/930/1130/1330	1900
	SCSB2	630/930/1130/1330	1900
	SCSB3	630/930/1130/1330	1900
	Timesavers-Grindingmaster 2000 Serie	600/900/1100/1350	1900
	Timesavers-Grindingmaster 2100 Serie	600/900/1100/1350	1900
	Timesavers-Grindingmaster 2200 Serie	900/1100	1900
	Timesavers-Grindingmaster 2200 Serie	1300	2620
	Timesavers-Grindingmaster 3100 Serie	600/900	1525
	Timesavers-Sandingmaster 3300 Serie	900/1100/1350	1900/2150/2620
	Timesavers-Grindingmaster 4100 Serie	600/900/1350	1900
	Timesavers-Grindingmaster 4200 Serie	600/900/1350	1900
	Speedsander	930	1525
	137-1HDMW	940	1525
	137-1HD60	940	1525
	137-1HPM	940	1905
	143-1HD60	1090	1525
	CL 63TS, CL 110, CL 130	640/1115/1315	2150
	Sandya CL 110M	1115	2150
	CS92, CS110, CS130	930/1115/1315	2300
	Sandya Uno (CC, CS, CCS, RR, RCS)	930	1525
	Sandya 1K, Sandya 1S	970	1525
	Sandya 3	970	1900
	Sandya 3 S, Sandya 300	970/1115	1900
Sanding-master / Timesavers	Sandya 5	1115	1900
	Sandya 5 S, Sandya 600, Sandya 7S	1115/1370	2150
	Sandya 10/2, Sandya 10/3	1115/1320	2150
	Sandya 10S, Sandya 15S, Sandya 16S	1115/1370	2620
	Sandya 20, Sandya 9S	1115/1370	2620
	Sandya 30 CS	1315	2300
	Sandya 30 CLK, Sandya 7	1115	2150
	Sandya 30 CL	1315	2150
	Sandya 30/2, Sandya 30/3	930/1115/1315	2620
	Sandya 40	1370	2620
	Sandya 50	1115/1315	1900
	Sandya 60	1115	2620
	Sandya L90	915	2150
	Sandya 90 CLX4G, Sandya 30 RRT130	1315	2620
	Sandya Win	640	1525
	EuroSander 1350	1350 – 1400	2620/3250
	EuroSander 1700	1650 – 1730	2620/3250
	TAG	1400	2620/3250
	TAG E	1400	2620
	TAG EU	1400	2620/3250
	TAG L	430/630/830	2620
	Challenge 111/113, Challenge 211/213, Challenge 221/223, Challenge 321/323, Challenge 331/333	1130/1380	2620
	Challenge 111AK, Challenge 211A, Challenge 211AK, Challenge 221AK, Challenge 221A	1130	2200
	Challenge 221B/223B	1130/1380	2620
	Rita 3/CC, Rita 4/CC	1400	3250
	S1, S2	1130/1380	2200/2620
	S3	1130/1380/1630	2620
	S4	1380	3250
	S211, S219	1000	1900
	Valeria 1, 2, 3	1400	3250
Tagliabue	KSF	1120/1370/1620	2150/2620
	KSV	1120/1370/1620/1920/2270	2620
	KSL	1370/1620	2620
	OFZ-K1(o), -K2(o), -K3(o)	950/1150/1400	2050/2500
	OFZ KS/Q	1400	2500
	Weber 600	1120/1370	1900
	Weber 1000	1120/1370	2150
	LCS	1100/1300	1900
	LCE compact	1100/1350	1900
	TT, MKS	600/1100/1350/1600	2150
	MK	920/1120/1370/1620/2020	2620
	KLE	1400	2620
Viet			
Weber			

Wide belts with paper backing

Coated abrasives

Abrasive paper

PS 20 F



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

Applications

Stainless steel	●
NF metals	●
Steel	●

Advantages: Universal product for stainless steel finish grinding - High cutting rate



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

All sizes and minimum purchasing quantities available on request

Abrasive paper

PS 21 F



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	F-paper

Applications

Stainless steel	●
Steel	●

Advantages: Aggressive abrasive behaviour due to self-sharpening zirconia alumina - Optimal recipe for rough grinding and finish grinding of stainless steel



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

All sizes and minimum purchasing quantities available on request

Wide belts with paper backing

Coated abrasives



Abrasive paper, ANTISTATIC

PS 22 F ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

Applications

Wood	●
NF metals	ⓘ
Paint/Varnish/Filler	ⓘ
Plastic	ⓘ

Advantages: High removal rate and fine surface scratch pattern - Especially suitable for hardwood, HPL panels, melamine and primer foil coatings - Reduced clogging and longer service life due to Advanced Coating Technology (ACT) and antistatic properties

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 524 E



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

Applications

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

Advantages: Universal belt for hard and tough workpiece surfaces - Produces a brilliant finish on stainless steel surfaces - Fine sanding pattern in the wood and furniture industry - Long service life due to antistatic equipment - Very good price-performance ratio

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

All sizes and minimum purchasing quantities available on request

Wide belts with paper backing

Coated abrasives

Abrasive paper, ANTISTATIC

PS 24 F ACT



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	F-paper

Applications

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

Advantages: For hard and tough surfaces - Produces a brilliant, high gloss finish on stainless steel surfaces due to the very hard and sharp-edged silicon carbide grit - Long service life on varnish surfaces in the wood and furniture industry due to Advanced Coating Technology (ACT) and antistatic properties

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 27 DW



Properties

Bonding agent	Resin
Grain	SiC
Coating	Open
Backing	D-paper

Applications

Paint/Varnish/Filler	●
Aluminium	●
Plastic	◐

Advantages: Special product for high quality varnish surfaces, especially UV finishes - Substantially reduced clogging and significantly longer service life due to additional stearate coating and antistatic properties

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

All sizes and minimum purchasing quantities available on request

Wide belts with paper backing

Coated abrasives



Abrasive paper, ANTISTATIC

PS 28 F



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

Applications

Wood	●
Leather	●



Advantages: Universal type for use on wood, especially softwood - Version for wide belts up to 1350 mm

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
1120 x 1900	60	F1	10	321842	3
1120 x 1900	80	F1	10	321843	3
1120 x 1900	120	F1	10	321845	3
1120 x 1900	150	F1	10	321846	3
1350 x 2620	150	F1	10	320417	3

Abrasive paper, ANTISTATIC

PS 29 F ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	F-paper

Applications

Wood	●
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Advantages: High quality universal type for general woodworking - Large product mix - Reduced clogging and longer service life due to Advanced Coating Technology (ACT) and antistatic properties

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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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
930 x 1525	80	F1	10	307852	3
930 x 1525	120	F1	10	307854	3
1100 x 1900	80	F1	10	307857	3
1100 x 1900	120	F1	10	307859	3
1120 x 1900	60	F1	10	292903	3
1120 x 1900	80	F1	10	292904	3
1120 x 1900	100	F1	10	292935	3
1120 x 1900	120	F1	10	292936	3



Wide belts with paper backing

Coated abrasives

► Continuation of PS 29 F ACT Abrasive paper, ANTISTATIC

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Discount group
1120 x 1900	150	F1	10	292937	3
1120 x 2150	80	F1	10	307863	3
1120 x 2150	120	F1	10	307865	3
1350 x 2620	60	F1	10	292938	3
1350 x 2620	80	F1	10	292939	3
1350 x 2620	120	F1	10	292941	3
1350 x 2620	150	F1	10	292942	3
1350 x 2620	180	F1	10	307867	3

Abrasive paper, ANTISTATIC

PS 38 G ACT



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	G-paper

Applications

Wood-based materials	●
Wood	●
Composites	●
Mineral-based materials	●

Advantages: High removal rate and fine surface scratch pattern - Developed for fine sanding of wood-based materials with wide belts and segmented belts - Outstanding grit adhesion - Very long service life due to perfect antistatic properties and Advanced Coating Technology (ACT)

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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All sizes and minimum purchasing quantities available on request

Abrasive paper

PS 61 F



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close
Backing	F-paper

Applications

Stainless steel	●
Steel	●
Wood	○

Advantages: Continuously aggressive abrasive behaviour due to micro-crystalline and self-sharpening ceramic grit - High performance abrasive belt for stainless steel finish grinding

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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All sizes and minimum purchasing quantities available on request

Wide belts with paper backing

Coated abrasives



Abrasive paper, KULEX

PS 529 F



NEW !



Properties

Bonding agent	Resin
Grain	SiC agglomerate
Backing	F-paper

Applications

Stainless steel	●
Steel	●
Glass/Stone	○

Advantages: Long life belt for a brilliant and shiny finish, with low and medium contact pressure - Very long service life, with constant surface roughness - Ideal for dry sanding on wide and long belt machines

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, KULEX

PS 729 F



Properties

Bonding agent	Resin
Grain	Aluminium oxide agglomerate
Backing	F-paper

Applications

Stainless steel	●
Steel	●

Advantages: Long life belt for dry grinding applications - Extremely high service life - Constant surface quality for pre-grinding until finishing - Especially developed for grinding with intermediate contact pressure

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

All sizes and minimum purchasing quantities available on request

Wide belts with cloth backing

Coated abrasives

Abrasive cloth

CS 308 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	Y-polyester

Applications

Wood	●	Plastic	⦿
NF metals	●		
Stainless steel	●		
Steel	●		

Advantages: Universal product for metal and wood applications - High tear resistance - Moisture proof

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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All sizes and minimum purchasing quantities available on request

Abrasive cloth

CS 310 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Steel	●
Stainless steel	●
Wood	⦿
Plastic	⦿

Advantages: Universal product with optimal price-performance ratio - Available in a wide grit range

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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All sizes and minimum purchasing quantities available on request

Wide belts with cloth backing

Coated abrasives



Abrasive cloth ANTISTATIC

CS 311 Y ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Open
Backing	Y-polyester

Applications

Wood	●
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Advantages: Developed for calibration sanding of wood - Reduced clogging and longer service life due to Advanced Coating Technology (ACT) and antistatic properties

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 320 Y



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	Y-polyester

Applications

Mineral-based materials	●
Plastic	●



Advantages: Very hard and sharp silicon carbide grain for hard and tough workpiece surfaces - High aggressiveness and abrasive performance - Especially suitable for wet 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

All sizes and minimum purchasing quantities available on request

Wide belts with cloth backing

Coated abrasives

Abrasive cloth, waterproof

CS 321 X



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	X-cotton

Applications

Mineral-based materials	●
Plastic	●
Stainless steel	●

Advantages: Produces a brilliant, glossy finish on stainless steel surfaces due to the very hard and sharp-edged silicon carbide grit - Very high aggressiveness and abrasive performance - Especially suitable for wet grinding

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, KULEX

CS 326 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide agglomerate
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Long life abrasive belt for a satin surface scratch pattern, under medium to high grinding pressure - Extremely long life, with consistent surface roughness and finish - Suitable for wet grinding

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

All sizes and minimum purchasing quantities available on request

Wide belts with cloth backing

Coated abrasives



Abrasive cloth, KULEX

CS 329 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide agglomerate
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●

Advantages: Long life abrasive belt for a satin surface scratch pattern, under low to medium grinding pressure - Especially suitable for dry grinding

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

CS 330 X



Properties

Bonding agent	Resin
Grain	SiC/Cork
Coating	Close
Backing	X-cotton

Applications

Steel	●
Stainless steel	●

Advantages: Special product for soft and fine grinding, polishable due to very hard and sharp edged silicon carbide grit on cork granulate - Special satin finish grinding on steel and stainless steel surfaces - Suitable for dry and wet grinding

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

All sizes and minimum purchasing quantities available on request

Wide belts with cloth backing

Coated abrasives

Abrasive cloth ANTISTATIC

CS 336 Y



Properties

Bonding agent	Resin
Grain	SiC
Coating	Semi-open
Backing	Y-polyester

Applications

Wood	●
Mineral-based materials	●
Wood-based materials	●



Advantages: High removal rate, especially suitable for calibration of wood-based materials (one piece wide belts up to 1620 mm) - Optimal static reduction - No dust accumulation due to perfect antistatic properties

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 341 X



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Stainless steel	●
Steel	●
NF metals	●



Advantages: Universal product for wet and dry grinding of steel and stainless steel - Excellent wear properties in wet grinding

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

All sizes and minimum purchasing quantities available on request

Wide belts with cloth backing

Coated abrasives



Abrasive cloth, multibond

CS 409 Y



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
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Advantages: Aggressive abrasive behaviour due to self-sharpening alumina zirconia - Prevents heat tinting on stainless steel - Cool grinding due to additional multibond - Minimal clogging when used on aluminium and aluminium alloys

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 411 Y



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	Y-polyester

Applications

Steel	●
Stainless steel	●



Advantages: Aggressive abrasive behaviour - Universal product for use on steel and stainless steel

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

All sizes and minimum purchasing quantities available on request

Wide belts with cloth backing

Coated abrasives

Abrasive cloth, waterproof

CS 412 Y



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●
NF metals	●
Wood	●

Advantages: Universal product for rough and intermediate grinding of steel and non-ferrous metals



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

All sizes and minimum purchasing quantities available on request

Abrasive cloth ANTISTATIC

CS 538 Z ACT



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	Z-polyester

Applications

Wood-based materials	●
Wood	●
Composites	●
Mineral-based materials	●

Advantages: Exceptionally tear resistant type of polyester - The perfectly balanced ACT recipe allows for a long service life combined with an excellent removal rate



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

All sizes and minimum purchasing quantities available on request

Wide belts with cloth backing

Coated abrasives



Abrasive cloth

CS 912 Y ACT



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close
Backing	Y-polyester

Applications

Stainless steel	●
Steel	●



Advantages: Continuously aggressive abrasive behaviour due to micro-crystalline and self-sharpening ceramic grit - High performance abrasive belt for stainless steel finish grinding

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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All sizes and minimum purchasing quantities available on request



Fibre discs

About the product

Klingspor fibre discs have high material removal rates and service life, producing an optimal finish. Suitable backing plates complete the product range.

Areas of use are steel, stainless steel, non-ferrous metal and cast iron. The comprehensive grit range makes it possible to select the right tool for every application. Even the most difficult of surfaces can be worked on easily with the fibre discs.

Klingspor fibre discs are outstanding for rough grinding and sanding, de-rusting metal parts, deburring and grinding welded seams. These discs are also suitable for precision finishing work on metals.

The state-of-the-art laser cutting technology allows special shapes for specific applications.

Quality and performance

- ▶ Low clogging rate
- ▶ Market leading service life
- ▶ Even grinding finish
- ▶ Cool grinding

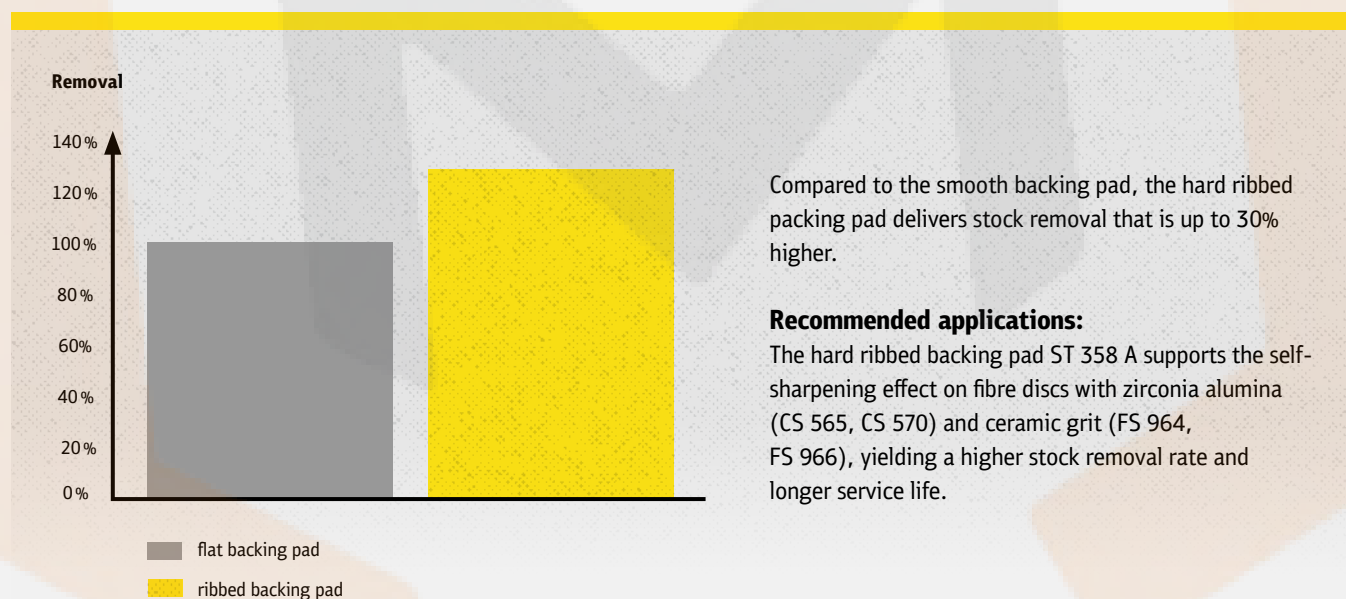
Applications Fibre Discs

Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel / NF metals	CS 561	Aluminium oxide	Fibre	●	Abrasive fibre disc for working on steel and NF metals	100
	FS 764 ACT	Aluminium oxide	Fibre	●	Abrasive fibre disc for processing steel and non-ferrous metals. High aggressiveness and long service life due to Advanced Coating Technology	102
Steel / Stainless steel	CS 565	Zirconia alumina	Fibre	●	Abrasive fibre disc with high stock removal rate for rough grinding and deburring of steel and stainless steel	103
	FS 964 ACT	Ceramic aluminium oxide	Fibre	●	Premium fibre disc with micro-crystalline, self-sharpening ceramic grit delivering superior aggressiveness and removal on construction steel and high alloy steels. Outstanding grit adhesion and service life thanks to Advanced Coating Technology	105
Stainless steel	CS 570	Zirconia alumina	Fibre	●	High performance fibre disc with additional multibond for high stock removal rate and long service life for cool grinding on stainless steel and high alloy steel, especially for surface grinding	104
	FS 966 ACT	Ceramic aluminium oxide	Fibre	●	High performance fibre disc with very high stock removal rate and extremely long service life, with self-sharpening ceramic grain for the processing of high alloy steel, multibond for cool grinding. Improved grit adhesion due to Advanced Coating Technology	106

● = close ● = semi-open ○ = open

Technical information about the backing pad

The right backing pad		
Product		
	ST 358	ST 358 A
Backing pad form	Medium hard, flat	Hard, ribbed
Benefit	Even grinding finish, good adaptation to the workpiece	High material removal rates, high stability
		Additional benefit of our ribbed backing pad: increased aggression, cool grinding
Application	Finish grinding (grit 50 and finer), edge rounding, contour grinding, surface grinding	Rough grinding (up to grit 40 and coarser), chamfering, deburring work, welded seam work



The safe use of Klingspor abrasives

Klingspor fibre discs have been tested according to the guidelines of the oSa directives and are guaranteed to comply with European safety standard EN 13743



Wear safety goggles or glasses to protect the eyes



Wear safety gloves to protect hands



Wear a dust mask



Observe safety instructions



Use ear protectors



Do not use for wet grinding



Only permitted with a backing pad



Do not use if damaged

Hole pattern for fibre discs



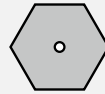
10 = round hole



30 = star-shaped
hole



50 = X-LOCK



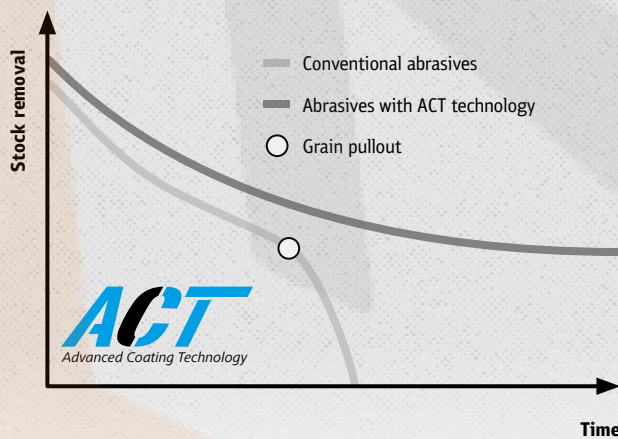
Additional special cutting shapes are available on request. Please ask for more information.

Minimum order quantities for made to order items



We reserve the right to over-deliver or under-deliver made to order items.

Disc diameter	Minimum order quantities
up to 235 mm	1,000 pieces



ACT-Advanced Coating Technology

Provides a significantly higher grit adhesion, when working on metal with fibre discs. This significantly increases the life.

Fibre discs

Coated abrasives

Abrasive fibre disc

CS 561



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

Applications

Steel	●	Wood	①
NF metals	●		
Plastic	①		
Stainless steel	①		

Advantages: For universal use - Largest selection of diameters, grit sizes and hole patterns

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 x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
100 x 16	16	⊙ 10	25	65708	8
100 x 16	24	⊙ 10	25	65713	8
100 x 16	36	⊙ 10	25	65718	8
100 x 16	40	⊙ 10	25	65720	8
100 x 16	50	⊙ 10	25	65725	8
100 x 16	60	⊙ 10	25	65730	8
100 x 16	80	⊙ 10	25	65735	8
100 x 16	120	⊙ 10	25	65743	8
115 x 22	16	⊙ 10	25	66302	8
115 x 22	24	⊙ 10	25	72298	8
115 x 22	36	⊙ 10	25	66308	8
115 x 22	40	⊙ 10	25	72192	8
115 x 22	50	⊙ 10	25	66313	8
115 x 22	60	⊙ 10	25	66318	8
115 x 22	80	⊙ 10	25	25472	8
115 x 22	100	⊙ 10	25	66322	8
115 x 22	120	⊙ 10	25	66327	8
115 x 22	16	⊗ 30	25	10977	8
115 x 22	24	⊗ 30	25	10978	8
115 x 22	30	⊗ 30	25	10979	8
115 x 22	36	⊗ 30	25	10980	8
115 x 22	40	⊗ 30	25	10981	8
115 x 22	50	⊗ 30	25	10982	8
115 x 22	60	⊗ 30	25	10983	8
115 x 22	80	⊗ 30	25	10984	8
115 x 22	100	⊗ 30	25	10985	8
115 x 22	120	⊗ 30	25	10986	8
115 x 22	150	⊗ 30	25	10987	8
115 x 22	180	⊗ 30	25	10988	8
115 x 22	220	⊗ 30	25	10989	8
115 x 22	240	⊗ 30	25	10990	8
115 x 22	320	⊗ 30	25	10992	8
115 x 22 X-LOCK	24	⊗ 50	25	351150	8
115 x 22 X-LOCK	36	⊗ 50	25	351147	8



►► Continuation of CS 561, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115 x 22 X-LOCK	40	⊗ 50	25	351149	8
115 x 22 X-LOCK	60	⊗ 50	25	351148	8
115 x 22 X-LOCK	80	⊗ 50	25	351146	8
125 x 22	16	⊙ 10	25	66354	8
125 x 22	24	⊙ 10	25	66358	8
125 x 22	36	⊙ 10	25	66364	8
125 x 22	40	⊙ 10	25	66366	8
125 x 22	50	⊙ 10	25	66371	8
125 x 22	60	⊙ 10	25	66376	8
125 x 22	80	⊙ 10	25	70439	8
125 x 22	100	⊙ 10	25	66379	8
125 x 22	120	⊙ 10	25	66383	8
125 x 22	16	⊗ 30	25	11009	8
125 x 22	24	⊗ 30	25	11010	8
125 x 22	30	⊗ 30	25	11011	8
125 x 22	36	⊗ 30	25	11012	8
125 x 22	40	⊗ 30	25	11013	8
125 x 22	50	⊗ 30	25	11014	8
125 x 22	60	⊗ 30	25	11015	8
125 x 22	80	⊗ 30	25	11016	8
125 x 22	100	⊗ 30	25	11017	8
125 x 22	120	⊗ 30	25	11018	8
125 x 22	150	⊗ 30	25	11019	8
125 x 22	180	⊗ 30	25	11020	8
125 x 22	220	⊗ 30	25	11021	8
125 x 22	240	⊗ 30	25	11022	8
125 x 22	320	⊗ 30	25	11024	8
125 x 22 X-LOCK	24	⊗ 50	25	351145	8
125 x 22 X-LOCK	36	⊗ 50	25	351144	8
125 x 22 X-LOCK	40	⊗ 50	25	351143	8
125 x 22 X-LOCK	60	⊗ 50	25	351139	8
125 x 22 X-LOCK	80	⊗ 50	25	351142	8
150 x 22	24	⊗ 30	25	11042	8
150 x 22	36	⊗ 30	25	11044	8
150 x 22	40	⊗ 30	25	11045	8
150 x 22	60	⊗ 30	25	11047	8
150 x 22	80	⊗ 30	25	11048	8
150 x 22	120	⊗ 30	25	11050	8
180 x 22	16	⊙ 10	25	66443	8
180 x 22	24	⊙ 10	25	66451	8
180 x 22	36	⊙ 10	25	66459	8
180 x 22	40	⊙ 10	25	70447	8
180 x 22	50	⊙ 10	25	70448	8
180 x 22	60	⊙ 10	25	70449	8
180 x 22	80	⊙ 10	25	66465	8
180 x 22	100	⊙ 10	25	66469	8
180 x 22	120	⊙ 10	25	66472	8
180 x 22	16	⊗ 30	25	11057	8
180 x 22	24	⊗ 30	25	11058	8
180 x 22	36	⊗ 30	25	11060	8
180 x 22	40	⊗ 30	25	11061	8

Fibre discs

Coated abrasives

► Continuation of CS 561, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
180 x 22	50	⊗ 30	25	11062	8
180 x 22	60	⊗ 30	25	11063	8
180 x 22	80	⊗ 30	25	11064	8
180 x 22	100	⊗ 30	25	11065	8
180 x 22	120	⊗ 30	25	11066	8
180 x 22	180	⊗ 30	25	11068	8
180 x 22	240	⊗ 30	25	11070	8
180 x 22	320	⊗ 30	25	11072	8
235 x 22	24	⊙ 10	25	66497	8
235 x 22	36	⊙ 10	25	66502	8
235 x 22	40	⊙ 10	25	66504	8
235 x 22	60	⊙ 10	25	66511	8
235 x 22	80	⊙ 10	25	66514	8

Dispenser see page 108 / Backing pads see page 107-108.

Abrasive fibre disc

FS 764 ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

Applications

Steel	●	Wood	ⓘ
Stainless steel	●		
Plastic	ⓘ		
NF metals	ⓘ		

Advantages: For universal use - Increased removal rate and outstanding grit adhesion due to special Advanced Coating Technology (ACT) - Long service life - Also suitable for stainless steel

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 x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115 x 22	24	⊗ 30	25	316469	8
115 x 22	36	⊗ 30	25	316470	8
115 x 22	40	⊗ 30	25	316471	8
115 x 22	60	⊗ 30	25	316473	8
115 x 22	80	⊗ 30	25	316474	8
115 x 22	120	⊗ 30	25	316475	8
125 x 22	24	⊗ 30	25	316476	8
125 x 22	36	⊗ 30	25	316477	8
125 x 22	40	⊗ 30	25	316478	8
125 x 22	60	⊗ 30	25	316480	8
125 x 22	80	⊗ 30	25	316481	8
125 x 22	120	⊗ 30	25	316482	8
180 x 22	24	⊗ 30	25	316483	8
180 x 22	36	⊗ 30	25	316484	8



►► Continuation of FS 764 ACT, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
180 x 22	40	⊗ 30	25	316485	8
180 x 22	60	⊗ 30	25	316487	8
180 x 22	80	⊗ 30	25	316488	8
180 x 22	120	⊗ 30	25	316489	8

Dispenser see page 108 / Backing pads see page 107-108.

Abrasive fibre disc

CS 565



XLOCK !

Properties

Bonding agent Resin	
Grain Zirconia alumina	
Coating Close	

Applications

Stainless steel	●
Steel	●



Advantages: Self-sharpening effect - High aggressiveness on steel and stainless steel - Ideal for rough grinding work - Excellent price-performance ratio

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 x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
100 x 16	36	⊙ 10	25	23680	8
100 x 16	60	⊙ 10	25	84604	8
100 x 16	80	⊙ 10	25	188678	8
115 x 22	24	⊙ 10	25	93409	8
115 x 22	36	⊙ 10	25	65698	8
115 x 22	60	⊙ 10	25	65700	8
115 x 22	80	⊙ 10	25	65701	8
115 x 22	24	⊗ 30	25	95335	8
115 x 22	36	⊗ 30	25	6686	8
115 x 22	40	⊗ 30	25	242801	8
115 x 22	50	⊗ 30	25	92066	8
115 x 22	60	⊗ 30	25	6687	8
115 x 22	80	⊗ 30	25	6688	8
115 x 22	100	⊗ 30	25	204609	8
115 x 22 X-LOCK	24	⊗ 50	25	351141	8
115 x 22 X-LOCK	36	⊗ 50	25	351140	8
115 x 22 X-LOCK	40	⊗ 50	25	351154	8
115 x 22 X-LOCK	60	⊗ 50	25	351160	8
115 x 22 X-LOCK	80	⊗ 50	25	351159	8
125 x 22	36	⊙ 10	25	65681	8
125 x 22	40	⊙ 10	25	242802	8
125 x 22	60	⊙ 10	25	65707	8
125 x 22	80	⊙ 10	25	23001	8
125 x 22	24	⊗ 30	25	97643	8
125 x 22	36	⊗ 30	25	6620	8
125 x 22	40	⊗ 30	25	242803	8



Fibre discs

Coated abrasives

►► Continuation of CS 565, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125 x 22	50	⊗ 30	25	93054	8
125 x 22	60	⊗ 30	25	6721	8
125 x 22	80	⊗ 30	25	23005	8
125 x 22	100	⊗ 30	25	204611	8
125 x 22 X-LOCK	24	⊗ 50	25	351158	8
125 x 22 X-LOCK	36	⊗ 50	25	351161	8
125 x 22 X-LOCK	40	⊗ 50	25	351157	8
125 x 22 X-LOCK	60	⊗ 50	25	351156	8
125 x 22 X-LOCK	80	⊗ 50	25	351155	8
180 x 22	36	⊙ 10	25	65702	8
180 x 22	60	⊙ 10	25	65705	8
180 x 22	80	⊙ 10	25	65706	8
180 x 22	24	⊗ 30	25	95993	8
180 x 22	36	⊗ 30	25	65703	8
180 x 22	40	⊗ 30	25	242807	8
180 x 22	50	⊗ 30	25	93045	8
180 x 22	60	⊗ 30	25	6690	8
180 x 22	80	⊗ 30	25	6691	8

Dispenser see page 108 / Backing pads see page 107-108.

Abrasive fibre disc, multibond

CS 570



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications

Stainless steel	●
Aluminium	●
NF metals	○

Advantages: Self-sharpening effect - High aggressiveness, especially suitable for stainless steel - Increase in performance due to low temperatures - Multibond prevents heat tinting - Especially suitable for use on aluminium

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 x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
100 x 16	36	⊙ 10	25	204823	8
100 x 16	60	⊙ 10	25	204825	8
100 x 16	80	⊙ 10	25	204826	8
100 x 16	120	⊙ 10	25	204828	8
115 x 22	36	⊙ 10	25	204797	8
115 x 22	60	⊙ 10	25	204799	8
115 x 22	80	⊙ 10	25	204800	8
115 x 22	120	⊙ 10	25	204802	8
115 x 22	24	⊗ 30	25	204085	8
115 x 22	36	⊗ 30	25	204086	8
115 x 22	40	⊗ 30	25	250258	8
115 x 22	50	⊗ 30	25	204087	8

Recommended prices.



►► Continuation of CS 570, Abrasive fibre disc, multibond

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115 x 22	60	⊗ 30	25	204088	8
115 x 22	80	⊗ 30	25	204089	8
115 x 22	100	⊗ 30	25	204090	8
115 x 22	120	⊗ 30	25	204091	8
125 x 22	36	⊙ 10	25	204806	8
125 x 22	60	⊙ 10	25	204811	8
125 x 22	80	⊙ 10	25	204812	8
125 x 22	120	⊙ 10	25	204814	8
125 x 22	24	⊗ 30	25	204092	8
125 x 22	36	⊗ 30	25	204093	8
125 x 22	40	⊗ 30	25	250259	8
125 x 22	50	⊗ 30	25	204094	8
125 x 22	60	⊗ 30	25	204095	8
125 x 22	80	⊗ 30	25	204096	8
125 x 22	100	⊗ 30	25	204097	8
125 x 22	120	⊗ 30	25	204098	8
180 x 22	24	⊗ 30	25	204099	8
180 x 22	36	⊗ 30	25	204100	8
180 x 22	40	⊗ 30	25	250260	8
180 x 22	60	⊗ 30	25	204102	8
180 x 22	80	⊗ 30	25	204103	8
180 x 22	120	⊗ 30	25	204105	8

Dispenser see page 108 / Backing pads see page 107-108.

Abrasive fibre disc

FS 964 ACT



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close

Applications

Steel	●
Stainless steel	●



Advantages: Premium product with excellent performance for working on steel - Micro-crystalline self-sharpening effect - High aggressiveness thanks to self-sharpening, aggressive ceramic grains throughout the service life - Outstanding grit adhesion - Advanced coating technology (ACT) for extraordinary grain adhesion and extended service life

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 x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115 x 22	24	⊗ 30	25	330478	8
115 x 22	36	⊗ 30	25	330498	8
115 x 22	40	⊗ 30	25	330482	8
115 x 22	50	⊗ 30	25	330480	8
115 x 22	60	⊗ 30	25	330479	8
115 x 22	80	⊗ 30	25	330481	8
115 x 22	120	⊗ 30	25	330483	8
125 x 22	24	⊗ 30	25	330484	8



Fibre discs

Coated abrasives

►► Continuation of FS 964 ACT, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125 x 22	36	⊗ 30	25	330485	8
125 x 22	40	⊗ 30	25	330486	8
125 x 22	50	⊗ 30	25	330488	8
125 x 22	60	⊗ 30	25	330487	8
125 x 22	80	⊗ 30	25	330490	8
125 x 22	120	⊗ 30	25	330491	8
180 x 22	24	⊗ 30	25	330489	8
180 x 22	36	⊗ 30	25	330492	8
180 x 22	40	⊗ 30	25	330493	8
180 x 22	50	⊗ 30	25	330494	8
180 x 22	60	⊗ 30	25	330495	8
180 x 22	80	⊗ 30	25	330496	8

Dispenser see page 108 / Backing pads see page 107-108.

Abrasive fibre disc, multibond

FS 966 ACT



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close

Applications

Stainless steel	●
-----------------	---



Advantages: Micro-crystalline self-sharpening effect - High aggressiveness throughout the service life - Outstanding grit adhesion - Long service life, especially suitable for heavy duty applications - Increase in performance due to low temperatures - Multibond prevents heat tinting

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 x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115 x 22	36	⊗ 30	25	316490	8
115 x 22	40	⊗ 30	25	316491	8
115 x 22	50	⊗ 30	25	318504	8
115 x 22	60	⊗ 30	25	316492	8
115 x 22	80	⊗ 30	25	316493	8
115 x 22	120	⊗ 30	25	324237	8
115 x 22 X-LOCK	40	⊗ 50	25	351166	8
115 x 22 X-LOCK	60	⊗ 50	25	351167	8
115 x 22 X-LOCK	80	⊗ 50	25	351165	8
125 x 22	24	⊗ 30	25	318305	8
125 x 22	36	⊗ 30	25	316494	8
125 x 22	40	⊗ 30	25	316495	8
125 x 22	60	⊗ 30	25	316496	8
125 x 22	80	⊗ 30	25	316497	8
125 x 22	120	⊗ 30	25	324239	8
125 x 22 X-LOCK	40	⊗ 50	25	351164	8
125 x 22 X-LOCK	60	⊗ 50	25	351163	8
125 x 22 X-LOCK	80	⊗ 50	25	351162	8



Fibre discs / Backing pads

Coated abrasives



►► Continuation of FS 966 ACT, Abrasive fibre disc, multibond

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
180 x 22	24	⊗ 30	25	318352	8
180 x 22	36	⊗ 30	25	316498	8
180 x 22	40	⊗ 30	25	316499	8
180 x 22	60	⊗ 30	25	316501	8
180 x 22	80	⊗ 30	25	316502	8
180 x 22	120	⊗ 30	25	324238	8

Dispenser see page 108 / Backing pads see page 107-108.

Backing pad

ST 358



XLOCK !



Advantages: Medium-hard backing pad allows good adaptation to the workpiece - For universal use, especially for surface and finish grinding (grit 50 and finer) - High temperature resistance

Diameter in mm	Thread/Shaft	Suitable for	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100	thread M10	Diameter 100 x 16	80 m/s	15300 rpm	1	305190	14
100	thread M14	Diameter 100 x 22	80 m/s	15300 rpm	1	2774	14
115 X-LOCK	X-LOCK	Ø 115 X-LOCK	80 m/s	13300 rpm	1	352049	14
115	thread M10	Diameter 115 x 22	80 m/s	13300 rpm	1	14859	14
115	thread M14	Diameter 115 x 22	80 m/s	13300 rpm	1	14838	14
125 X-LOCK	X-LOCK	Ø 125 X-LOCK	80 m/s	12200 rpm	1	352048	14
125	thread M14	Diameter 125 x 22	80 m/s	12200 rpm	1	14835	14
150	thread M14	Diameter 150 x 22	80 m/s	10200 rpm	1	14836	14
180	thread M14	Diameter 180 x 22	80 m/s	8500 rpm	1	14840	14
235	thread M14	Diameter 235 x 22	80 m/s	6600 rpm	1	14841	14

Backing pads / Dispenser for fibre discs

Backing pad

ST 358 A



XLOCK !



Advantages: For rough grinding - Cool grinding - Increased aggressiveness due to hard, ribbed abrasive surface - High temperature resistance and stability

Diameter in mm	Thread/Shaft	Suitable for	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 X-LOCK	X-LOCK	Ø 115 X-LOCK	80 m/s	13300 rpm	1	352047	14
115	thread M14	Diameter 115 x 22	80 m/s	13300 rpm	1	126346	14
125 X-LOCK	X-LOCK	Ø 125 X-LOCK	80 m/s	12200 rpm	1	352046	14
125	thread M14	Diameter 125 x 22	80 m/s	12200 rpm	1	126347	14
180	thread M14	Diameter 180 x 22	80 m/s	8500 rpm	1	126348	14

Dispenser for fibre discs

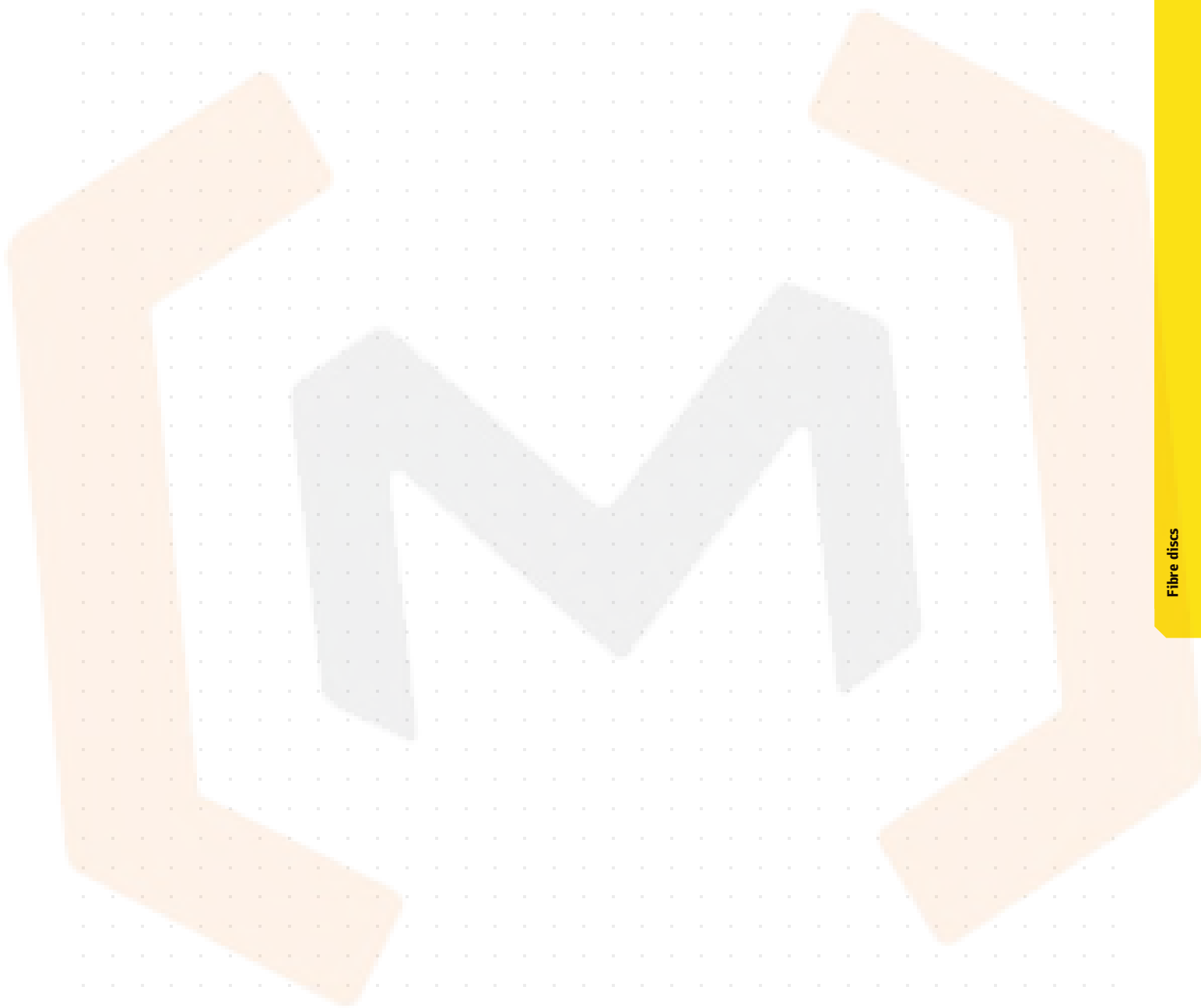
FS 555



Advantages: Easy stacking and removal of up to 100 fibre discs with diameter of 115 to 180 mm - Orderly and accessible storage at the workplace

Fibre discs not included

Width x Length x Height in mm	Packing unit/pcs.	Cat. number	Discount group
170 x 140 x 196	1	316463	14





Strips/Sheets/Discs

About the product

Klingspor manufactures a very large selection of high quality abrasive products for the strips, sheets and discs product sectors.

Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel / stainless steel	PS 21 FK	Zirconia alumina	F-paper	●	Premium self-fastening product for finish grinding stainless steel and other metal surfaces using hand operated machines. Ultra high level of aggressiveness and outstanding service life thanks to self-sharpening zirconia alumina. Exceptional stability and excellent edge strength on the perimeter thanks to strong F-paper backing	141
	PS 61 FK	Ceramic aluminium oxide	F-paper	●	Close coating, strong backing and micro-crystalline, self-sharpening ceramic grain provide an aggressive grinding behaviour on steel and stainless steel	149
Steel / metals	KL 361 JF	Aluminium oxide	JF-cotton	●	High quality, highly flexible abrasive cloth for versatile applications in the metal processing industry, also suitable for stainless steel	131, 134
	KL 371 X	Aluminium oxide	X-cotton	●	Economical universal product for surface grinding in metal processing	132
	KL 385 JF	Aluminium oxide	JF-cotton	●	Highly flexible universal product for the metal processing industry, good price-performance ratio	133
	CS 411 XK	Zirconia alumina	X-cotton	●	Product for universal use during the processing of metal and stainless steel that offers a robust, tear resistant cloth-reinforced backing. Unrivalled versatility and a high level of aggressiveness and grinding performance during rough grinding applications on steel and stainless steel	160
Wood	PS 22 F ACT	Aluminium oxide	F-paper	●	Close coating for maximum stock removal and uniform scratch pattern regarding surface treatment of hard, low-content woods. Advanced Coating Technology (ACT) and antistatic properties prevent premature clogging	123
	PS 22 K	Aluminium oxide	E-paper	⦿	Abrasive paper with semi-open coating and exceptional machining performance to create a uniform scratch pattern when processing wood and metal	123, 142
	PS 30 D	Aluminium oxide	D-paper	⦿	Economical abrasive paper for versatile applications in the processing of wood and paint	120, 123
	PS 19 EK	SiC	E-paper	●	Robust high performance product with stable E-paper backing for coarse, intermediate and finish sanding. Ideal for hard and difficult-to-machine materials due to the use of sharp-edged silicon carbide	125
	PL 31 B	Aluminium oxide	B-paper	⦿	Flexible finishing paper with an optimal price-performance ratio for a wide range of applications for the processing of wood, paint and varnish. Provides a smooth surface finish	120, 124
	SW 501 TR	Aluminium oxide	Sponge	●	Highly flexible abrasive sponge, coated on 2 sides, for hand sanding of profiles and contours, extremely resistant to creasing and tearing, washable and reusable, solvent-free bonding system with a colour scheme that varies with the grit size	136

● = close ⦿ = semi-open ○ = open

Cloth

JF	Cotton, light, highly flexible
GX	Blended cloth, light, flexible
J	Cotton, light
XF	Cotton, heavy, flexible
X	Cotton, heavy
Y	Polyester, heavy, highly firm
Z	Polyester, heavy, highly firm, can be divided into segments

Paper

A	approx. 95 g/m ²
B	approx. 105 g/m ²
C	approx. 110 g/m ²
D	approx. 130 g/m ²
E	approx. 250 g/m ²
F	approx. 300 g/m ²
G	ca. 400 g/m ²

Properties

K	Self-fastening
W	Coated with active agent

Strips/Sheets/Discs

Applications guide

Application	Type	Grain	Backing	Coating	Characteristics	Page
Paint / Varnish / Filler	PS 33 B	Aluminium oxide	B-paper	●	High quality abrasive paper, especially suited for paint, varnish and filler	122
	PS 33 BK	Aluminium oxide	B-paper	●	High quality self-fastening product, especially for work on paint, varnish and filler	127, 148
	PS 33 C	Aluminium oxide	C-paper	●	High quality abrasive paper, especially suited for paint, varnish and filler	121
	PS 33 CK	Aluminium oxide	C-paper	●	High quality self-fastening product, especially for work on paint, varnish and filler	126, 146
	PS 73 BW	Aluminium oxide	B-paper	●	High quality abrasive paper, especially suited for the processing of paint, varnish and filler, with a special coating for a long service life	122
	PS 73 BWK	Aluminium oxide	B-paper	●	High quality abrasive product, especially for work on paint, varnish and filler, with a long service life thanks to added active agent coating	152
	PS 73 CWK	Aluminium oxide	C-paper	●	High quality abrasive product, especially for work on paint, varnish and filler, with a long service life thanks to added active agent coating	151
	PS 77 CK T-ACT	Aluminium oxide	C-paper	●	High performance product with new innovative coating technology that keeps the disc from clogging prematurely during the sanding of strongly adhesive materials. Coarse and intermediate sanding with premium latex C-paper	129, 154
	PS 19 EK	SiC	E-paper	●	Robust high performance product with stable F weight paper backing for coarse, intermediate and finish sanding. Ideal for hard and difficult-to-machine materials due to incredibly sharp silicon carbide grain	125, 141
	FP 73 WK	Aluminium oxide	Film	●	Special product with very tear resistant film backing for the processing of paint, varnish and filler with high service life through additional special coating	128, 150
	FP 77 K T-ACT	Aluminium oxide	Film	●	High performance product with new innovative coating technology that keeps the disc from clogging prematurely during the sanding of strongly adhesive materials. Fine and finish sanding with an exceptionally stable and tear resistant film backing	128, 153
	PS 11 A	SiC	A-paper	●	High quality, highly flexible, waterproof abrasive paper for working on paint, varnish and filler especially in the car repair sector	119
	PS 11 C	SiC	C-paper	●	High quality, highly flexible, waterproof abrasive paper for working on paint, varnish and filler especially in the car repair sector	118, 140
	PS 8 A	SiC	A-paper	●	Very flexible, waterproof abrasive paper for processing paint, varnish and filler predominantly in the sector of car repair and body paint	117
	PS 8 C	SiC	C-paper	●	Very flexible, waterproof abrasive paper for processing paint, varnish and filler predominantly in the sector of car repair and body paint	117
	FD 500	Aluminium oxide / SiC	Foam core		Foam-coated disc for finishing. Superior flexibility and adaptability on contours and profiles	158
	SK 500	Aluminium oxide	Sponge	●	Abrasive block coated on four sides for fine work on contoured and flat surfaces. The abrasive block is robust, can be washed and reused. It is suitable for wet and dry finishing	135
	SK 700 A	Aluminium oxide	Sponge	●	Suitable for flat or upright use on all four sides; the angled edge (approx. 45°) makes it an exceptional choice for narrow, tapering workpiece contours. Excellent contouring and pressure distribution thanks to flexible foam core. Robust, washable and reusable	135
	SW 501	Aluminium oxide	Sponge	●	Highly flexible hand finishing tool. Abrasive sponge coated on two sides with plastic foam core. Resistant to creases and breaks, can be washed and reused. Suitable for dry and wet finishing	136
	SW 501 TR	Aluminium oxide	Sponge	●	Extremely tear resistant version of the abrasive sponge SW 501. Extra long service life, solvent-free bonding system with a colour scheme that varies with the grit size	136
	SW 502	SiC	Sponge	●	Structure like SW 501, though with more aggressive SiC grit	137
	SW 510	Aluminium oxide	Sponge	●	Thin, ultra flexible sanding sponge for particularly hard-to-reach areas such as indentations, profiles and edges. Tight foam structure, allowing for exceptionally uniform pressure distribution and an extra fine finish. No bending, no creases. Can be used wet and dry	137
Composites, gel coats, paints and coatings, plaster and plasterboard, wood fillers and varnish	AN 400	Aluminium oxide	Abrasive screen	●	Effective high extraction dust removal thanks to open grid structure	129, 156

● = close ● = semi-open ○ = open

Minimum order quantities for made to order items

Product	Dimensions	Minimum order quantities
Sheets	230 × 280 mm	250 pieces
	70 × 450 mm	500 pieces
Strips	115 × 140 mm	1,000 pieces
	93 × 230 mm	500 pieces
	115 × 280 mm	500 pieces
Sheets exceeding 230 x 280 mm	Minimum quantities on request	
Large sheets	1400 × 1540 mm	10 pieces

Product	Dimensions	Minimum order quantities
Self-fastening products	70 × 125 mm	1,000 pieces
	80 × 133 mm	1,000 pieces
	93 × 230 mm	500 pieces
	100 × 115 mm	1,000 pieces
	115 × 280 mm	500 pieces

Other sizes available on request.

Strips/Sheets

- ▶ for general use for freehand sanding and finishing and for use with handheld power tools
- ▶ specially designed for particular materials (e.g. wood, metal, etc.)
- ▶ special sizes available on request
- ▶ for wet and dry applications
- ▶ paper or cloth backed

Hole patterns for strips

Klingspor offers a wide range of products with hole patterns for dust extraction. The hole pattern you require depends on the machine you are using. The chart alongside shows the most popular types of machines and the required hole pattern.

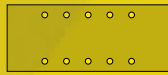
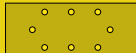
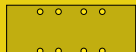
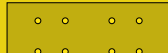
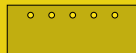
You will find the available hole patterns marked in the tables on the following product pages.

If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.

Other hole patterns available on request.

Discs

- ▶ for general use with many types of machines
- ▶ special designs with a wide range of hole patterns
- ▶ various sizes on customer's request
- ▶ for wet and dry applications
- ▶ backings: paper, film, non-woven web and surface conditioning material
- ▶ self-fastening products
- ▶ suitable backing plate for angle grinder / orbital sander

	GL 1	115 × 280 mm 10 holes Ø 10 mm
	GL 3	93 × 230 mm 8 holes Ø 10 mm
	GL 9	93 × 230 mm 8 holes Ø 10 mm
	GL 11	115 × 280 mm 14 holes Ø 10 mm
	GL 13	115 × 280 mm 8 holes Ø 10 mm
	GL 15	115 × 230 mm 10 holes Ø 10 mm
	GL 17	93 × 180 mm 8 holes Ø 10 mm
	GL 18	80 × 133 mm 8 holes Ø 10 mm



We reserve the right to over-deliver or under-deliver made to order items.

Strips/Sheets/Discs

Applications guide

Klingspor strips for every tool

Please contact Klingspor if you cannot find the machine used by you on this list. We will be pleased to assist you further.

Manufacturer	Type	Size in mm	Hole pattern	Design
AEG powertools	FS 2	80 × 133	GL 18	self-fastening
	VS/E 230, VSS/E 260	93 × 180	GL 17	self-fastening
	VSSE 260, VSS 260	93 × 230	GL 9	for clamping
	FDS 140	115 × 140	GL 38	for clamping
	FDS 140	115 × 140	GL 39	self-fastening
	VSS 20, VSSE 230, VS 280, VSE 280, VSSE 280	115 × 230	GL 16	self-fastening
	VSS 20, VSSE 20, VS 280, VSSE 280	115 × 280	plain	for clamping
	VSS/E 20, VS/E 280, VSSE 280	115 × 280	GL 11	for clamping
Atlas Copco	VS 11	80 × 133	GL 18	self-fastening
	VSS 20, VSSE 20	115 × 230	GL 16	self-fastening
	VSS 20, VSSE 20	115 × 280	GL 11	self-fastening
	LS030 H070-3, LS030 S070-3	93 × 180	plain	for clamping
	LS031 H070-3, LS031 S070-3, LS032 H070-3, LS032 S070-3	93 × 180	GL 3	for clamping
Black & Decker	P 63-01	80 × 133	GL 18	self-fastening
	KA 330 EKA	90 × 190	GL 4	self-fastening
	KA 175, KA 186, KA 186 E	93 × 180	GL 17	self-fastening
	KA 320 EKA	93 × 190	GL 4	self-fastening
	KA 320 EKA, KA 300	93 × 230	GL 3	for clamping
	BD 175, BD 180 E, DN 41 AE, DN 180 E, KA 185, KA 185 E, KC 185 E	93 × 230	GL 9	for clamping
	KC 962, VB 135 A, CD 400, BN 41 AE	93 × 230	GL 9	for clamping
	KA 185, KA 185 E	93 × 230	plain	for clamping
	KA 273	115 × 230	GL 16	self-fastening
	P 63-03, P 63-04, P 63-05, BD 273, SR 410	115 × 280	plain	for clamping
	P 63-03, P 63-04, P 63-05, KA 273, SR 410 E, BD 273, DN 41, BD 175, BD 180E	115 × 280	GL 11	for clamping
	VB 135A, DN 180E, KA 185E, KC 962, DN 49, DN 273, VB 250 E, KA274EKA	115 × 280	GL 11	for clamping
Bosch	PSS 240 A, PSS 240 AE, GSS 16 A	80 × 133	GL 18	self-fastening
	GSS 23 AE, GSS 230 A, GSS 230 AE, PSS 22, PSS 23, PSS 23 AE	93 × 180	GL 17	self-fastening
	PSS 23 A, PSS 180, PSS 240, PSS 180 A, PSS 240 A, PSS 240 AE	93 × 180	GL 17	self-fastening
	GSS 230 AVE Professional	93 × 185	GL 10	self-fastening
	PSS 250 AE, PSS 200 A	93 × 190	GL 10	self-fastening
	PSS 240 A, PSS 240 AE, GSS 23, GSS 23 AE, GSS 230 AE, GSS 230 AVE Professional	93 × 230	GL 9	for clamping
	PSS 22, PSS 23 A, PSS 230, PSS 23, PSS 23 AE, PSS 250 AE,	93 × 230	GL 9	for clamping
	GSS 23, GSS 23 AE, GSS 230 AE, PSS 22, PSS 23, PSS 23 A, PSS 23 AE, PSS 230	93 × 230	plain	for clamping
	GSS 140 A	115 × 107	GL 37	self-fastening
	1289 D	115 × 115	plain	self-fastening
	GSS 140 A	115 × 140	GL 38	for clamping
	GSS 28/A, GSS 280 A/AE, PSS 28 AE/280 AE, PSS 300 AE, GSS 280 AVE Professional	115 × 230	GL 16	self-fastening
	GSS 28, PSS 28 AE, PSS 280 AE, GSS 280 AE	115 × 280	plain	for clamping
	GSS 28, PSS 28 AE, PSS 280 AE, GSS 280 AE, PSS 300 AE, GSS 280 AVE Professional	115 × 280	GL 11	for clamping



Manufacturer	Type	Size in mm	Hole pattern	Design
Casals	KLR 210, VLR 210, BLR 170	93 × 180	GL 17	self-fastening
	BLR 250, VLR 300	115 × 230	GL 16	self-fastening
	LN 216, LR 228	115 × 280	plain	for clamping
DeWalt, ELU	D26423, D 26422	93 × 230	GL 3	self-fastening
	D26441	108 × 115	GL 20	self-fastening
	DW634, DW636, VS 41, VS 71	115 × 230	GL 16	self-fastening
	VS 71	115 × 280	plain	for clamping
	DW634, DW636, VS 41, VS 71	115 × 280	GL 1	for clamping
	D26420, D26421	115 × 280	GL 1	self-fastening
	D26441	140 × 115	GL 33	for clamping
Einhell	EST 170	93 × 180	GL 17	self-fastening
	BSS 150, BT-OS 150	93 × 230	GL 3	for clamping
	RT-OS 30, BT-OS 280 E	115 × 230	GL 15	self-fastening
	ERU 270	115 × 230	GL 16	self-fastening
	RT-OS 30, BT-OS 280 E	115 × 280	GL 1	for clamping
	SS-G 270, BSS 250	115 × 280	GL 13	for clamping
Fein	MSs 641 a, MSs 641 b	115 × 230	GL 16	self-fastening
	MSs 641 a, MSs 641 b	115 × 280	GL 11	for clamping
	MSs 641 a, MSs 641 b	115 × 280	GL 11	self-fastening
Felisatti	TP 31 E	80 × 133	GL 18	self-fastening
	TP 115/350 VE, TP 517/AS	115 × 280	plain	for clamping
Festool	RS 4, RS 4 E, RS 4 - STF, RS 4 E - STF, RS 400, RS 400 Plus, RTS 400 (EQ-Plus, EQ, Q-Plus, Q)	80 × 133	GL 18	self-fastening
	RS 3 - STF, RS 4 E - STF, RS 4, RS 4 E	80 × 165	GL 8	for clamping
	RS 3, RS 3 Plus, RS 3 E, RS 3 E Plus, RS 3 - STF, RS 3 E - STF, RS 300, RS 300 Q/EQ	93 × 180	GL 17	self-fastening
	RS 3 - SFE, RS 3 E - SFE, LRS 93	93 × 180	GL 17	self-fastening
	RS 3 - STF, RS 3 E - STF	93 × 230	plain	for clamping
	RS 3 - STF, RS 3 E - STF	93 × 230	GL 9	for clamping
	RS 1, RS 2, RS 2 E, LRB - IAS, RS 200, RS 100C, RS 100 CQ, RS 200 Q/EQ	115 × 230	GL 15	self-fastening
	RS 2 - STF, RS 2 E - STF, RS 1 - STF, RS 2, RS 2 E	115 × 230	GL 16	self-fastening
	RS 2 - STF, RS 2 E - STF, RS 1 - STF	115 × 280	plain	for clamping
	RS 2 - STF, RS 2 E - STF, RS 1 - STF	115 × 280	GL 11	for clamping
Flex	OS 80-2, OSE 80-2	80 × 133	GL 18	self-fastening
	MS 713	115 × 105	GL 43	self-fastening
HILTI	WFO 280	115 × 280	GL 1	for clamping
	WFO 280	115 × 230	GL 15	self-fastening

Strips/Sheets/Discs

Applications guide

Manufacturer	Type	Size in mm	Hole pattern	Design
Hitachi	SV 8 SA	80 × 133	GL 18	self-fastening
	FS 10 SB	93 × 180	GL 17	self-fastening
	SV 12 SG	114 × 104	GL 19	self-fastening
	SV 12 SF	115 × 115	GL 20	self-fastening
	SV 12 SD, SV 12 V	115 × 230	GL 16	self-fastening
HOLZ HER	2436, 2437	93 × 180	GL 6	self-fastening
	2440	115 × 230	GL 15	self-fastening
	2441	115 × 230	GL 16	self-fastening
Kress	CRS 6165 A, CRS 6175 EA, 250 RSE Set, 300 RSE	115 × 230	GL 16	self-fastening
	CRS 6165 A, CRS 6175 EA, 250 RSE Set, 300 RSE	115 × 280	GL 11	for clamping
Mafell	UVA 115 E	115 × 230	GL 11	self-fastening
	U 115E, UK 115/ 115 E	115 × 230	GL 15	self-fastening
	U 115, U 115 E	115 × 230	GL 16	self-fastening
	U 115E, UK 115/ 115 E	115 × 280	GL 1	for clamping
Makita	B0 3700, B0 3711	93 × 230	GL 9	for clamping
	B0 4554, B0 4556, B0 4565, B0 4555, B0 4566	115 × 103	GL 19	self-fastening
	9045 B, 9045 N, 9046, B0 4900V	115 × 230	GL 16	self-fastening
	B0 4556, B0 4558, B0 4555	115 × 140	GL 38	for clamping
	B0 4901, 9046	115 × 280	plain	for clamping
	9046, B0 4900V	115 × 280	GL 11	for clamping
Metabo	SR 4350	93 × 180	GL 17	self-fastening
	SRE 4350 TURBOTEC	93 × 185	GL 10	self-fastening
	SR 221, SR 321, SR 4320, SFE 227, SF 226	93 × 230	plain	for clamping
	SR 226, SRE 227, SR 180 INTEC, SRE 4350 TURBOTEC	93 × 230	GL 9	for clamping
	SRE 357, SR 356, SR 10-23, SR 10-23 Intec, SR 20-23	93 × 230	plain	for clamping
	SR 216, SRE 217, SRA 60	115 × 115	GL 20	self-fastening
	FSR 200 INTEC	115 × 103	GL 19	self-fastening
	SR 358, SRE 359, SR 4351, SRE 4351 TURBOTEC	115 × 230	GL 16	self-fastening
	SR 328, SRE 329, SR 4321, SR 358, SRE 359	115 × 280	plain	for clamping
Milwaukee	POS 13	80 × 133	GL 18	self-fastening
Peugeot	PV 240 A, TV 4102	93 × 180	GL 17	self-fastening
	TV 4003, TV 4103	115 × 230	GL 16	self-fastening
Ryobi	ESS 2590	93 × 180	GL 17	self-fastening
	ESS 200 RS	93 × 185	GL 10	self-fastening
	ESS 1890 C	93 × 190	GL 10	self-fastening
	S 35, NS 40, NS 40 I, NS-801	93 × 230	plain	for clamping
	S 35, NS-40I, NS 801, NS 40, ESS 1890 C, ESS 2590, ESS 200 RS, ESS 280 RV	93 × 230	GL 9	for clamping
	E0S 2410	115 × 110	GL 29	self-fastening
	NS-6200, NS 6300 A, ESS 3215 V	115 × 230	GL 16	self-fastening
	NS 6300 A	115 × 280	plain	for clamping
	ESS 3215 VHG	115 × 280	GL 11	for clamping
SKIL	7300, 7300 S, 7330, 7390, 7395, 7365 AA	93 × 180	GL 17	self-fastening
	7366 AA, 7351 AA, 7346 AA, 7346, 7361 AB	93 × 190	GL 10	self-fastening
	7315, 7320, 7330, 7365 AA, 7366 AA, 7351 AA, 7346 AA, 7346, 7361 AB	93 × 230	GL 9	for clamping
	7314 MA	115 × 110	GL 29	self-fastening
	7312 AA, 7314 MA	115 × 140	GL 38	for clamping
	666, 7381 MA	115 × 230	GL 16	self-fastening
	7381 MA	115 × 280	GL 11	for clamping

Sheets with paper backing

Coated abrasives



Abrasive paper, waterproof

PS 8 C



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

Applications

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

Advantages: Ideal for hard and tough surfaces - Very flexible latex paper allows excellent adaptation - Can be used wet and dry

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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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	60	50	269424	5
230 x 280	80	50	269429	5
230 x 280	100	50	269435	5
230 x 280	120	50	269444	5
230 x 280	150	50	269448	5

Abrasive paper, waterproof

PS 8 A



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

Applications

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

Advantages: Ideal for hard and tough surfaces - Very flexible latex paper allows excellent adaptation - Can be used wet and dry

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	2500
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	180	50	269269	5
230 x 280	220	50	269275	5
230 x 280	240	50	269279	5
230 x 280	280	50	269285	5
230 x 280	320	50	269289	5
230 x 280	360	50	269294	5



Sheets with paper backing

Coated abrasives

► Continuation of PS 8 A, Abrasive paper, waterproof

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	400	50	269299	5
230 x 280	600	50	269314	5
230 x 280	800	50	269323	5
230 x 280	1000	50	269328	5

Abrasive paper, waterproof

PS 11 C



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

Applications

Paint/Varnish/Filler	●
Plastic	●
Glass/Stone	●



Advantages: Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Can be used wet and dry

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	60	50	2022	5
230 x 280	80	50	2023	5
230 x 280	100	50	2117	5
230 x 280	120	50	2116	5
230 x 280	150	50	2011	5
230 x 280	180	50	2012	5
230 x 280	220	50	2013	5
230 x 280	240	50	2014	5
230 x 280	280	50	2015	5
230 x 280	320	50	2016	5
230 x 280	360	50	2017	5
230 x 280	400	50	2018	5

Sheets with paper backing

Coated abrasives



Abrasive paper, waterproof

PS 11 A



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

Applications

Paint/Varnish/Filler	●
Plastic	●
Glass/Stone	○

Advantages: Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Can be used wet and dry

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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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	220	50	2002	5
230 x 280	240	50	2003	5
230 x 280	280	50	2004	5
230 x 280	320	50	2005	5
230 x 280	360	50	2006	5
230 x 280	400	50	2007	5
230 x 280	500	50	2008	5
230 x 280	600	50	2009	5
230 x 280	800	50	2010	5
230 x 280	1000	50	11892	5
230 x 280	1200	50	6616	5
230 x 280	1500	50	186794	5
230 x 280	2000	50	186795	5

Sheets with paper backing

Coated abrasives

Abrasive paper

PS 30 D



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	D-paper

Applications

Paint/Varnish/Filler	●
Wood	●

Advantages: Product with good price-performance ratio - For diverse 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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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	40	50	194660	5
230 x 280	60	50	194662	5
230 x 280	80	50	194663	5
230 x 280	100	50	194664	5
230 x 280	120	50	194665	5
230 x 280	150	50	194666	5
230 x 280	180	50	194667	5
230 x 280	240	50	194668	5
230 x 280	320	50	194669	5

Finishing paper

PL 31 B



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●

Advantages: Product with optimal price-performance ratio - Optimised wear properties for hand sanding - Very fine surface scratch pattern

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	40	50	2059	5
230 x 280	50	50	2060	5
230 x 280	60	50	2061	5
230 x 280	80	50	2062	5



Sheets with paper backing

Coated abrasives



►► Continuation of PL 31 B, Finishing paper

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	100	50	2048	5
230 x 280	120	50	2049	5
230 x 280	150	50	2050	5
230 x 280	180	50	2051	5
230 x 280	220	50	2052	5
230 x 280	240	50	2053	5
230 x 280	280	50	2054	5
230 x 280	320	50	2055	5
230 x 280	400	50	2057	5

Abrasive paper

PS 33 C



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○



Advantages: High removal rate - For diverse applications - Reduced clogging due to stearate coating

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	40	50	147849	5
230 x 280	60	50	147850	5
230 x 280	80	50	147851	5
230 x 280	100	50	149719	5
230 x 280	120	50	147852	5

Sheets with paper backing

Coated abrasives

Abrasive paper

PS 33 B



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	●



Advantages: High removal rate - For diverse applications - Reduced clogging due to stearate coating

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	150	50	149528	5
230 x 280	180	50	147853	5
230 x 280	220	50	149529	5
230 x 280	240	50	147854	5
230 x 280	280	50	149793	5
230 x 280	320	50	149530	5
230 x 280	400	50	148971	5
230 x 280	500	50	170667	5
230 x 280	600	50	170668	5

Abrasive paper, actively coated

PS 73 BW



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Plastic	●



Advantages: High quality product for use on varnish, paint and filler - High removal rate - Substantially reduced clogging and significantly longer service life due to additional special coating

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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All sizes and minimum purchasing quantities available on request

Strips with paper backing

Coated abrasives



Abrasive paper, ANTISTATIC

PS 22 F ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	F-paper

Applications

Wood	●	Steel	○
Metals	○	NF metals	○
Paint/Varnish/Filler	○		
Plastic	○		

Advantages: Premium product for hardwood - Good edge stability - Reduced clogging due to Advanced Coating Technology (ACT) and antistatic properties

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 280	40	100	6529	5
115 x 280	60	100	6531	5
115 x 280	80	100	6532	5
115 x 280	100	100	6533	5

Abrasive paper

PS 30 D



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	D-paper

Applications

Paint/Varnish/Filler	●
Wood	●

Advantages: Product with good price-performance ratio - For diverse 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 280	60	100	194673	5
115 x 280	80	100	194674	5
115 x 280	120	100	194676	5
115 x 280	240	100	194680	5

Strips with paper backing

Coated abrasives

Finishing paper

PL 31 B



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●

Advantages: Product with optimal price-performance ratio - Optimised wear properties for handheld machine sanding - Very fine surface scratch pattern

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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Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
93 x 230	40		100	2416	5
93 x 230	60		100	2418	5
93 x 230	80		100	2419	5
93 x 230	100		100	2390	5
93 x 230	120		100	2391	5
93 x 230	180		100	2393	5
93 x 230	240		100	2395	5
93 x 230	60	GL 9	100	2667	5
93 x 230	80	GL 9	100	2668	5
93 x 230	120	GL 9	100	2670	5
115 x 280	40		100	2412	5
115 x 280	60		100	2414	5
115 x 280	80		100	2415	5
115 x 280	100		100	2379	5
115 x 280	120		100	2380	5
115 x 280	150		100	2381	5
115 x 280	180		100	2382	5
115 x 280	220		100	2383	5
115 x 280	240		100	2384	5
115 x 280	60	GL 1	100	5324	5
115 x 280	80	GL 1	100	5323	5
115 x 280	120	GL 1	100	5321	5

Strips with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

PS 19 EK



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

Applications

Wood	●
Paint/Varnish/Filler	●
Plastic	●
Glass/Stone	●

Advantages: Hard and sharp silicon carbide grain for hard and tough materials - High performance product with a stable E-paper backing - From coarse to intermediate finishing

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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All sizes and minimum purchasing quantities available on request

Abrasive paper, self-fastening

PS 22 K



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

Applications

Wood	●	Steel	●
Metals	●		
Paint/Varnish/Filler	●		
Plastic	●		

Advantages: High removal rate - Uniform scratch pattern

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
70 x 125	60		100	147593	5
70 x 125	80		100	140608	5
70 x 125	100		100	131668	5
70 x 125	120		100	129801	5
70 x 125	150		100	135581	5
70 x 125	180		100	129802	5
80 x 133	40	GL 18	100	149852	5
80 x 133	60	GL 18	100	149853	5
80 x 133	80	GL 18	100	149854	5
80 x 133	100	GL 18	100	149855	5
80 x 133	120	GL 18	100	149857	5
80 x 133	150	GL 18	100	232741	5
80 x 133	180	GL 18	100	232742	5



Strips with paper backing, self-fastening

Coated abrasives

►► Continuation of PS 22 K, Abrasive paper, self-fastening

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
80 x 133	220	 GL 18	100	206371	5
100 x 115	80		100	103378	5
100 x 115	100		100	103379	5
100 x 115	120		100	103380	5
100 x 115	150		100	103381	5
115 x 115	80		100	82076	5
115 x 115	120		100	81637	5
115 x 115	150		100	94721	5
115 x 230	40	 GL 15	100	122331	5
115 x 230	60	 GL 15	100	116647	5
115 x 230	80	 GL 15	100	116648	5
115 x 230	100	 GL 15	100	116649	5
115 x 230	120	 GL 15	100	114942	5
115 x 230	150	 GL 15	100	111500	5

Abrasive paper, self-fastening

PS 33 CK



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	●

Advantages: High removal rate - For diverse 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
70 x 125	80		100	155072	5
70 x 125	100		100	151786	5
70 x 125	120		100	151785	5
80 x 133	40	 GL 18	100	146974	5
80 x 133	60	 GL 18	100	146975	5
80 x 133	80	 GL 18	100	146976	5
80 x 133	100	 GL 18	100	146977	5
80 x 133	120	 GL 18	100	147169	5
93 x 178	40	 GL 17	100	146970	5
93 x 178	60	 GL 17	100	146971	5
93 x 178	80	 GL 17	100	146972	5
93 x 178	100	 GL 17	100	146973	5
93 x 178	120	 GL 17	100	148046	5
100 x 115	80		100	147101	5
100 x 115	100		100	147102	5
100 x 115	120		100	147103	5



Strips with paper backing, self-fastening

Coated abrasives



► Continuation of PS 33 CK, Abrasive paper, self-fastening

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115 x 230	40	GL 15	100	146966	5
115 x 230	60	GL 15	100	146967	5
115 x 230	80	GL 15	100	146968	5
115 x 230	100	GL 15	100	146969	5
115 x 230	120	GL 15	100	147182	5

Abrasive paper, self-fastening

PS 33 BK



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	⦿

Advantages: High removal rate - For diverse 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

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
70 x 125	150		100	151784	5
70 x 125	180		100	148228	5
70 x 125	220		100	155500	5
70 x 125	240		100	152381	5
70 x 125	280		100	197133	5
80 x 133	150	GL 18	100	149107	5
80 x 133	180	GL 18	100	147479	5
80 x 133	220	GL 18	100	149819	5
80 x 133	240	GL 18	100	148050	5
80 x 133	320	GL 18	100	149897	5
80 x 133	400	GL 18	100	149899	5
93 x 178	150	GL 17	100	149138	5
93 x 178	180	GL 17	100	148047	5
93 x 178	240	GL 17	100	148048	5
100 x 115	150		100	148658	5
100 x 115	180		100	147104	5
100 x 115	240		100	147105	5
115 x 230	150	GL 15	100	149820	5
115 x 230	180	GL 15	100	147183	5
115 x 230	240	GL 15	100	147184	5
115 x 230	320	GL 15	100	147185	5

Strips with film backing, self-fastening

Coated abrasives

Abrasive film, active coated, self-fastening

FP 73 WK



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

Applications

Paint/Varnish/Filler	●
Plastic	⦿

Advantages: Special product with highly tear resistant film backing for use on paint, varnish and fillers - Very good adaptation and excellent grit adhesion also in the edge area - Substantially reduced clogging and significantly longer service life due to additional special coating

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

All sizes and minimum purchasing quantities available on request

Abrasive film, self-fastening

FP 77 K T-ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

Applications

Paint/Varnish/Filler	●	Composites	●
Primer	●	Plastic	⦿
Filler	●		
Gel coats	●		

Advantages: New high performance product with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - With a highly flexible and perfectly flat film backing for high quality surface finishing

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

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
80 x 133	240	GL 18	100	353120	5
80 x 133	320	GL 18	100	353119	5
80 x 133	400	GL 18	100	353118	5

Strips with paper backing, self-fastening / Abrasive screen

Coated abrasives



Abrasive paper, self-fastening

PS 77 CK T-ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●	Composites	●
Primer	●	Plastic	○
Filler	●		
Gel coats	●		

Advantages: New high performance product with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For aggressive sanding at high loads, a flexible and tear resistant C-latex paper is used in the grit range 60 - 220

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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Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
80 x 133	60	GL 18	100	353113	5
80 x 133	80	GL 18	100	353126	5
80 x 133	100	GL 18	100	353125	5
80 x 133	120	GL 18	100	353124	5
80 x 133	150	GL 18	100	353123	5
80 x 133	180	GL 18	100	353122	5
80 x 133	220	GL 18	100	353121	5

Abrasive screen, self-fastening, waterproof

AN 400



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester grid

Applications

Paint/Varnish/Filler	●	Composites	●
Gel coats	●	Wood	●
Plaster	●	Wood-based materials	●
Plasterboard walls	●		

Advantages: Effective and full surface dust extraction thanks to open lattice structure - Dust-free sanding extends the service life of the abrasive - Improved health and safety due to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
80 x 133	80	50	337892	7
80 x 133	100	50	337891	7
80 x 133	120	50	337890	7
80 x 133	150	50	337894	7



Abrasive screen / Self-fastening support / Hand block

► Continuation of 400, Abrasive screen, self-fastening, waterproof

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
80 x 133	180	50	337889	7
80 x 133	240	50	337893	7
80 x 133	320	50	337895	7
80 x 133	400	50	337896	7

Self-fastening support

CS 396 Y



Properties

Engaging elements	Self-fastening
Thickness	1,5 mm
Temperature range	-30° to +80°

Advantages: Can be cut to size easily - Simple and safe fixing on smooth and even surfaces - Allows a quick change of the abrasive

All sizes and minimum purchasing quantities available on request

Hand block

HK 100



Advantages: Excellent for flat and slightly convex surfaces - Ergonomic form - For strips in 70 x 125 mm - Self-fastening

Width x Length x Height in mm	Packing unit/pcs.	Cat. number	Discount group
68 x 118 x 40	1	185320	14

Sheets with cloth backing

Coated abrasives



Abrasive cloth

KL 361 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Steel	●
NF metals	●
Wood	●
Stainless steel	●

Plastic	○
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Advantages: High quality universal product - Optimal adaptation to the workpiece due to highly flexible cotton backing - Tears off cleanly and easily

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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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	30	50	2083	6
230 x 280	40	50	2084	6
230 x 280	50	50	2085	6
230 x 280	60	50	2086	6
230 x 280	80	50	2087	6
230 x 280	100	50	2088	6
230 x 280	120	50	2089	6
230 x 280	150	50	2090	6
230 x 280	180	50	2091	6
230 x 280	220	50	2092	6
230 x 280	240	50	2093	6
230 x 280	280	50	2094	6
230 x 280	320	50	2095	6
230 x 280	360	50	2096	6
230 x 280	400	50	2097	6
230 x 280	500	50	2098	6
230 x 280	600	50	5334	6

Sheets with cloth backing

Coated abrasives

Abrasive cloth, blue

KL 371 X



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Metals	●
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Advantages: Attractively priced universal product for surface hand finishing

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	40	50	2100	6
230 x 280	50	50	2101	6
230 x 280	60	50	2102	6
230 x 280	80	50	2103	6
230 x 280	100	50	2104	6
230 x 280	120	50	2105	6
230 x 280	150	50	2106	6
230 x 280	180	50	2107	6
230 x 280	220	50	2108	6
230 x 280	240	50	2109	6
230 x 280	280	50	119885	6
230 x 280	320	50	119886	6
230 x 280	400	50	119888	6

Sheets with cloth backing

Coated abrasives



Abrasive cloth

KL 385 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Wood	●
NF metals	●
Stainless steel	○
Plastic	○

Advantages: Attractively priced universal product - Optimal adaptation to the workpiece due to highly flexible cotton backing - Tears off cleanly and easily

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
230 x 280	40	50	218047	6
230 x 280	60	50	218050	6
230 x 280	80	50	218051	6
230 x 280	100	50	218052	6
230 x 280	120	50	218053	6
230 x 280	150	50	218054	6
230 x 280	180	50	218055	6
230 x 280	220	50	218056	6
230 x 280	240	50	218057	6
230 x 280	280	50	218058	6
230 x 280	320	50	218059	6
230 x 280	400	50	218061	6
230 x 280	600	50	218063	6

Strips with cloth backing

Coated abrasives

Abrasive cloth

KL 361 JF



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	JF-cotton

Applications

Steel	●	Plastic	①
NF metals	●		
Wood	●		
Stainless steel	●		

Advantages: High quality universal product - Optimal adaptation to the workpiece due to highly flexible cotton backing - Tears off cleanly and easily

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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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
115 x 280	40	100	73953	6
115 x 280	60	100	74436	6
115 x 280	80	100	72227	6
115 x 280	120	100	72488	6

Abrasive block, flexible, coated on 4 sides

SK 500



Properties

Grain	Aluminium oxide
Coating	Close

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○

Advantages: Can be used flat and upright (four usable sides) - For flat and profiled surfaces due to flexible foam core - Robust, washable and reusable

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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Width x Length x Height in mm	Grit	Density	Grit colour	Foam colour	Packing unit/pcs.	Cat. number	Discount group
70 x 100 x 25	60	hard	brown	grey	100	125279	14
70 x 100 x 25	80	hard	brown	grey	100	225165	14
70 x 100 x 25	100	hard	brown	grey	100	125280	14
70 x 100 x 25	120	hard	brown	grey	100	225166	14
70 x 100 x 25	180	hard	brown	grey	100	225167	14
70 x 100 x 25	220	hard	brown	grey	100	225168	14
70 x 100 x 25	280	hard	brown	grey	100	225169	14

Abrasive block, flexible, coated on 4 sides

SK 700 A



Properties

Grain	Aluminium oxide
Coating	Close

Applications

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

Advantages: Suitable for flat or upright use on all four sides - The angled edge (approx. 45°) makes it an exceptional choice for narrow, tapering workpiece contours - Excellent contouring and pressure distribution thanks to flexible foam core - Robust, washable and reusable

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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Width x Length x Height in mm	Grit	Density	Grit colour	Foam colour	Packing unit/pcs.	Cat. number	Discount group
89 x 125 x 25	60	hard	brown	grey	100	337846	14
89 x 125 x 25	80	hard	brown	grey	100	337847	14
89 x 125 x 25	100	hard	brown	grey	100	337848	14
89 x 125 x 25	120	hard	brown	grey	100	331019	14

Abrasive sponge

Abrasive sponge, flexible, coated on 2 sides

SW 501



Properties

Grain	Aluminium oxide
Coating	Close

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	●

Advantages: Satin surface scratch pattern - For low and high profiled surfaces (two usable sides) - Crease and break resistant - Washable and reusable

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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Width x Length x Height in mm	Grit	Density	Grit colour	Foam colour	Packing unit/pcs.	Cat. number	Discount group
96 x 123 x 12,5	120	soft	brown	yellow	100	125281	14
96 x 123 x 12,5	220	soft	brown	yellow	100	125282	14

Abrasive sponge, flexible, coated on 2 sides

SW 501 TR



Properties

Grain	Aluminium oxide
Coating	Close

Applications

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

Advantages: Satin surface scratch pattern - For low and high profiled surfaces (two usable sides) - Crease and break-resistant - Washable and reusable - Extremely tear resistant - Solvent free bonding with grit size dependent colouring

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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Width x Length x Height in mm	Grit	Density	Grit colour	Foam colour	Packing unit/pcs.	Cat. number	Discount group
96 x 123 x 12,5	100	soft	light brown	yellow	100	351573	14
96 x 123 x 12,5	120	soft	green	yellow	100	353264	14
96 x 123 x 12,5	150	soft	red	yellow	100	353263	14
96 x 123 x 12,5	180	soft	blue	yellow	100	351574	14
96 x 123 x 12,5	220	soft	brown	yellow	100	353262	14

Abrasive sponge, flexible, coated on 2 sides

SW 502



Properties

Grain	SiC
Coating	Close

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○

Advantages: For low and high profiled surfaces (two usable sides) - Crease and break resistant - Washable and reusable

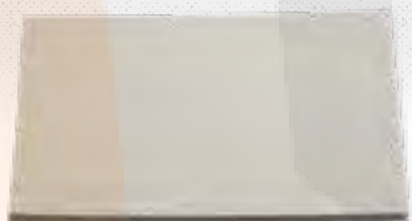
Available grits:

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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Width x Length x Height in mm	Grit	Density	Grit colour	Foam colour	Packing unit/pcs.	Cat. number	Discount group
96 x 123 x 12,5	120	soft	black	yellow	100	244377	14
96 x 123 x 12,5	220	soft	black	yellow	100	244379	14

Abrasive sponge, flexible, coated on 1 side

SW 510



Properties

Grain	Aluminium oxide
Coating	Close

Applications

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

Advantages: Thin, ultra flexible sanding sponge for particularly hard-to-reach areas such as indentations, profiles and edges - Tight foam structure, allowing for exceptional uniform pressure distribution and an extra fine finish - No bending, no creases - Can be used wet and dry

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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Width x Length x Height in mm	Grit	Density	Grit colour	Foam colour	Packing unit/pcs.	Cat. number	Discount group
115 x 140 x 5	100	hard	white	grey	100	303588	14
115 x 140 x 5	180	hard	white	grey	100	303589	14
115 x 140 x 5	220	hard	white	grey	100	303590	14
115 x 140 x 5	320	hard	white	grey	100	337849	14

Discs

Applications guide

Hole patterns for discs

Klingspor offers a wide range of products with hole patterns for dust extraction.

You will find the available hole patterns marked in the table below.

The chart on the following product pages shows the most popular types of machines and the required hole pattern.

	GLS 4 Ø 115 mm 8 holes Ø 10 mm on hole circle Ø 65 mm		GLS 1 Ø 150 mm 8 holes Ø 10 mm on hole circle Ø 120 mm + 1 centre hole Ø 17 mm		GLS 47 Ø 150 mm 8 holes Ø 9 mm on hole circle Ø 120 mm, 6 holes Ø 9 mm on hole circle Ø 80 mm + 1 centre hole Ø 17 mm
	GLS 5 Ø 125 mm 8 holes Ø 10 mm on hole circle Ø 65 mm		GLS 2 Ø 150 mm 8 holes Ø 10 mm on hole circle Ø 65 mm		GLS 51 Ø 150 mm 8 holes Ø 10 mm on hole circle Ø 120 mm, 8 holes Ø 8 mm on hole circle Ø 65 mm + 1 centre hole Ø 10 mm
	GLS 27 Ø 125 mm 8 holes Ø 10 mm on hole circle Ø 90 mm + 1 centre hole Ø 10 mm		GLS 3 Ø 150 mm 6 holes Ø 10 mm on hole circle Ø 80 mm		GLS 74 Ø 150 mm 8 holes Ø 9,5 mm on hole circle Ø 119 mm, 16 holes Ø 6 mm on hole circle Ø 119 mm 8 holes Ø 7 mm on hole circle Ø 95 mm 8 holes Ø 8,5 mm on hole circle Ø 65 mm 8 holes Ø 6 mm on hole circle Ø 39 mm + 1 centre hole Ø 10 mm
	Shape 0 no hole different dimensions		GLS 15 Triangular Ø 96 mm 6 holes Ø 8 mm on hole circle Ø 52 mm		GLS 52 Ø 225 mm 10 holes Ø 12 mm on hole circle Ø 105 mm
	Shape 10 round hole different dimensions		GLS 24 98 x 148 mm 7 holes Ø 10 mm		
	Shape 30 star-shaped hole different dimensions				

Other hole patterns available on request.

Minimum order quantities for made to order items

Type	Ø [mm]	Minimum order quantities
AN 400	up to 50 mm	5,000 pieces
CS 310 X	up to 90 mm	2,500 pieces
CS 321 X	up to 125 mm	1,000 pieces
CS 411 XK	up to 200 mm	500 pieces
FP 73 WK	up to 400 mm	200 pieces
PS 11 C	up to 600 mm	100 pieces
PS 19 EK	over 600 mm	25 pieces
PS 21 FK		
PS 22 F ACT		
PS 22 K		
PS 33 BK/CK		
PS 61 FK		
PS 73 BWK/CWK		
PS 77 CK		
FP 77 K		

Maximum disc diameter

Ø 670 mm	Ø 770 mm	Ø 1,100 mm
PS 21 FK	PS 61 FK	PS 11 C
PS 22 K		PS 19 EK
		PS 33 BK/CK
		FP 73 WK
		PS 73 BWK/CWK
		AN 400
		CS 411 XK
		CS 310 X
		CS 321 X
		PS 77 CK
		FP 77 K



We reserve the right to over-deliver or under-deliver made to order items.

Orbital and delta sanders

Manufacturer	Type	Size in mm	Hole pattern
AEG power tools	Delta DSE 260	105 × 105 × 105	GLS 17
	FS 2 D	98 × 148	GLS 24
	EX 400, EXE 400, EX 450, EXE 460-125, EX 125 E, EX 125 ES	125	GLS 5
	EXE 450	convertible to 125	GLS 5
	EXE 450	150	GLS 2 (7)
	EXE 460 - 150, ROS 150 E, EX 150 E	150	GLS 3
	EX/E 450	150	GLS 7
Atlas Copco	LST 21 R350, LST 22 R350, LST 22 R325, LST 20 R350	90	GLS 41
	VS 11 D	98 × 148	GLS 24
	LST 30 H90-11	115	plain
	LST 20 R525, LST 20 R550	125	plain
	LST 21 R525, LST 21 R550, LST 22 R525, LST 22 R550	125	GLS 5
	TXE 150	convertible to 125	GLS 5
	LST 20 R625, LST 20 R650, LST 30 H090-15, LST 30 S090-15	150	plain
	ROS 150 E, LST 21 R625, LST 21 R650, LST 22 R625, LST 22 R650, LST31 H90-15, LST31 S90-15, LST32 H090-15, LST32 S090-15, LST 22 R625-9, G2438-6.5N Pro, G2438-6.5I Pro, G2438-6.3I Pro, G2438-6.10I Pro, G2438-6.5C Pro, G2438-6.3N Pro, G2438-6.3C Pro, G2438-6.10N Pro, G2438-6.10C Pro, G2438-10 self-fastening 6 Pro, LST 22 R650-9	150	GLS 3
	TXE 150	150	GLS 7
	VP510	96 × 96 × 96	GLS 15
Black & Decker	KA 510	94 × 94 × 94	GLS 15
	KA 165 GT (mouse)		GLS 25
	KA 230 E		GLS 34
	BD190, BD190 E, BD190S, BD190D, XTA90EK, KS 191 EK, KA 198, KA 190, KA 190 E, KA 190 S, KA 198GT, KA220, KA220G, KA191EK	125	GLS 5
Bosch	Delta GDA 280 E, Delta PDA 100, PDA 10-92, Delta PDA 120 E, Delta PDA 240 E, PDA 180, PDA 180 E	96 × 96 × 96	GLS 15
	PEX 11 A, PEX 115, PEX 11 AE	115	GLS 4
	PEX 300 A/AE, GEX 125-150 AVE Professional, PEX 400 AE, PEX 12 A, PEX 12 AE, PEX 125 A-1, PEX 125 AE, PEX 270 A/AE, GEX 125 A, GEX 125 AC, GEX 125-1 AE, PEX 220 A	125	GLS 5
	PEX 15 AE, GEX 150 AE, GEX 150 AC/E, GEX 150 Turbo, PEX 420 AE	150	GLS 3
	ES 55 E, DW423, D26453	125	GLS 5
DeWalt	ES 56 E, ES 56 EK, DW443, D 26410	150	GLS 3
Einhell	DE-G 200 E	94 × 94 × 94	GLS 15
	EX 115	115	GLS 4
	EX-G 125 E, BES 125, EX-G 125, BT-RS 420 E, BES 125 E, BRS 380 E	125	GLS 5
	LL 107 VEA	115	plain
	MSf 636-1, M 10000-5, XS 712	125	GLS 5
Fein	MSf 636-1	150	GLS 26
	MSf 649-2 a/b, M 10000-6	150	GLS 2 (7)
	ROT 14-200 E	150	GLS 2
	X 1107 VE	150	GLS 3
	ROT 14-200 E	200	GLS 9
Felisatti	TP 521/AS, TP 521/E, TP 522 AS/CE, RGF 150/600 E	150	GLS 3

Manufacturer	Type	Size in mm	Hole pattern
Festool	RO 90 DX FEQ-Plus	90	GLS 41
	DS 400, DTS 400	98 × 148	GLS 24
	DX 93	94 × 94 × 94	GLS 16
	ES 125, ES 125 E, ES 125 E-PLUS, ES 125 PLUS	125	GLS 5
	ES 125 EQ-Plus; ES 125 EQ, ES 125 Q-Plus, ES 125 Q, ETS 125, LEX 2 125/3, LEX 1 125/7, LEX 3 125/3, LEX 3 125/5	125	GLS 27
	ET 2 E	150	GLS 2
	ET 2 E - Plus, RO 150, RO 150 E, RO 2 E-Plus, LEX 3 150/3, LEX 150, ETS 150/3, ETS 150/5, WTS 150/7 E, WTS 150/7 E-Plus, ETS 150/5 EQ, ETS 150/5 EQ-E, ETS 150/5 EQ-Plus	150	GLS 1
Flex	Multi-Jetstream (8+8+1)	150	GLS 51
	LHS 225 EQ-Plus	225	GLS 38
	OD 100-2, ODE 100-2	98 × 148	GLS 24
Hilti	XS 712, XS 713	125	GLS 5
	X 1107 VE, XS 1107 VE	150	GLS 3
	ORE 125-2	125	GLS 27
	GE 5, GE 5 R, GE 7, GSE 5 R, WST 700VV, WST 700 VV Plus	225	GLS 52
	GE 7	225	GLS 55
Hitachi	WFE 150, WFE 380, WFE 450 E	150	GLS 3
	FSV 13 Y, TSV 13 Y, SV 13 YA	125	GLS 5
Holz HER	SAY 150 A	150	GLS 3
Kress	2445	150	GLS 7 (1)
	CDS 6425, CDS 6420, CDS 6422 E	105	GLS 17
	CPS 6115-1, 6115 E	115	GLS 4
	CPS 6125-1, CPS 6125 E, CPS 6125 E SET, HEX 1385 E, HEX 6385 E, 300 EXE	125	GLS 5
	900 MPS, 900 HEX /2	150	GLS 3
Mafell	UT 150 E, UX 150 E	150	GLS 1, 3, 47
Makita	BO 4561, BO 4565	96 × 96 × 96	GLS 15
	BO 5000, BO 5010, BO 5041, BO 5031 K, BO 5021, BO 5021 K, BO 5041 K	125	GLS 5
	BO 6030, BO 6040 J	150	GLS 1
Metabo	DS E 130, DS E 170, DS E 180	96 × 96 × 96	GLS 15
	DSE 300, DSE 300 Intec, DSE 280 INTEC	94 × 94 × 94	GLS 15
	SXE 400	80	GLS 13
	SX E 125, FSX 200 INTEC, SXE 425 TURBOTEC, SX E 425, SXE 325 INTEC	125	GLS 5
	SX E 425 XL, SX E 450 Duo, SXE 450 TURBOTEC,	150	GLS 3
Milwaukee	PDS 13, FS 2 D	98 × 148	GLS 24
	PRS 125 E	125	GLS 5
	ROS 150 E	150	GLS 3
Peugeot	PAE 115	115	GLS 4
	PRX 150 E	150	GLS 3
Pro Tool	ESP 150 E	150	GLS 3
Ryobi	ERO 2412V, CRO 180M, ROS 300 A, CRO 180 MHG	125	GLS 5
SKIL	7110 AA, 7115 AA	96 × 96 × 96	GLS 15
	7415	115	GLS 4
	7400, 7425, 7430, 7435, 7440 AA, 7460 AA, 7470 MA	125	GLS 5
Stayer	RO 150 E, LRT 150	150	GLS 3
Wegoma	LRE 84 H, RTE84H	125	GLS 5
	RX 91 C, RT188N, RTE46L, RTE146L	150	GLS 3

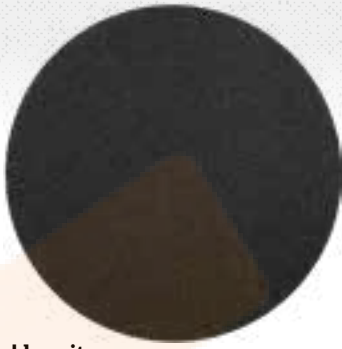
Please contact Klingspor if you cannot find the machine used by you on this list. We will be pleased to assist you further. If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.

Discs with paper backing

Coated abrasives

Abrasive paper, waterproof

PS 11 C





Properties		Applications	
Bonding agent	Resin	Paint/Varnish/Filler	●
Grain	SiC	Metals	●
Coating	Close	Glass/Stone	○
Backing	C-paper	Plastic	○

Advantages: Special product for auto repair and painting - Ideal for hard and tough surfaces - Excellent adaptation of the disc while maintaining high stability - Can be used wet and dry

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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All sizes and minimum purchasing quantities available on request

Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

PS 19 EK



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

Applications

Wood	●
Paint/Varnish/Filler	●
Plastic	●
Glass/Stone	●

Advantages: Hard and sharp silicon carbide grain for hard and tough materials - High performance disc with a stable E-paper backing - From coarse to intermediate finishing

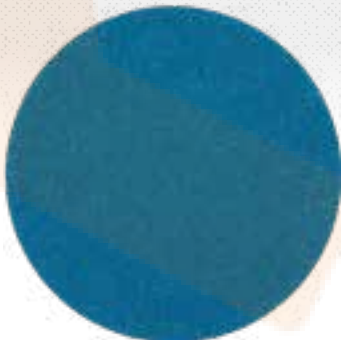
Available grits:

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115	40	○ 0	50	287798	5
115	60	○ 0	50	300290	5
115	80	○ 0	50	305763	5
115	100	○ 0	50	311087	5
115	120	○ 0	50	300291	5
115	220	○ 0	50	309073	5
115	320	○ 0	50	321743	5
115	400	○ 0	50	321744	5
115	600	○ 0	50	322637	5

Abrasive paper, self-fastening

PS 21 FK



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	F-paper

Applications

Steel	●
Stainless steel	●

Advantages: Aggressive abrasive behaviour due to self-sharpening zirconia alumina - Optimal recipe for high stock removal and finishing of stainless steel - Long service life

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115	40	○ 0	50	237224	5
115	60	○ 0	50	248808	5
115	80	○ 0	50	249326	5
115	120	○ 0	50	249327	5



Discs with paper backing, self-fastening

Coated abrasives

► Continuation of PS 21 FK, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115	150	○ 0	50	248809	5
115	240	○ 0	50	255347	5
125	40	○ 0	50	246857	5
125	60	○ 0	50	237780	5
125	80	○ 0	50	237781	5
125	120	○ 0	50	237782	5
125	150	○ 0	50	255348	5
125	240	○ 0	50	237785	5
150	40	○ 0	50	230312	5
150	60	○ 0	50	230313	5
150	80	○ 0	50	230314	5
150	120	○ 0	50	246488	5
150	150	○ 0	50	239244	5
150	240	○ 0	50	251509	5

Abrasive paper, self-fastening

PS 22 K



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

Applications

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



Advantages: Universal abrasive disc for metalworking and woodworking - Uniform surface scratch pattern - Available in many grit sizes and dimensions

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
96	40	△ GLS 15	50	142134	5
96	60	△ GLS 15	50	142135	5
96	80	△ GLS 15	50	142136	5
96	100	△ GLS 15	50	145055	5
96	120	△ GLS 15	50	142137	5
96	150	△ GLS 15	50	146336	5
96	180	△ GLS 15	50	142138	5
96	240	△ GLS 15	50	142139	5

Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

PS 22 K



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

Applications

Wood	●
Metals	●
Paint/Varnish/Filler	⦿
Plastic	⦿



Advantages: Universal abrasive disc for metalworking and woodworking - Uniform surface scratch pattern - Available in many grit sizes and dimensions

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115	24	○ 0	50	6754	5
115	40	○ 0	50	2785	5
115	60	○ 0	50	2786	5
115	80	○ 0	50	6756	5
115	100	○ 0	50	2787	5
115	120	○ 0	50	6757	5
115	150	○ 0	50	80046	5
115	180	○ 0	50	2788	5
115	220	○ 0	50	88330	5
115	240	○ 0	50	88333	5
115	320	○ 0	50	95561	5
115	400	○ 0	50	111470	5
115	40	⊙ GLS 4	50	82938	5
115	60	⊙ GLS 4	50	82940	5
115	80	⊙ GLS 4	50	82941	5
115	100	⊙ GLS 4	50	82942	5
115	120	⊙ GLS 4	50	82944	5
115	180	⊙ GLS 4	50	82946	5
115	240	⊙ GLS 4	50	87424	5
125	24	○ 0	50	7300	5
125	40	○ 0	50	2294	5
125	60	○ 0	50	2295	5
125	80	○ 0	50	6774	5
125	100	○ 0	50	2296	5
125	120	○ 0	50	6775	5
125	150	○ 0	50	78163	5
125	180	○ 0	50	62107	5
125	220	○ 0	50	97176	5
125	240	○ 0	50	91922	5
125	320	○ 0	50	93284	5
125	400	○ 0	50	130114	5
125	24	⊙ GLS 5	50	89485	5
125	40	⊙ GLS 5	50	89486	5
125	60	⊙ GLS 5	50	89488	5



Discs with paper backing, self-fastening

Coated abrasives

►► Continuation of PS 22 K, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125	80	⊗ GLS 5	50	89489	5
125	100	⊗ GLS 5	50	89491	5
125	120	⊗ GLS 5	50	89493	5
125	150	⊗ GLS 5	50	89494	5
125	180	⊗ GLS 5	50	89495	5
125	220	⊗ GLS 5	50	90758	5
125	240	⊗ GLS 5	50	92753	5
125	320	⊗ GLS 5	50	89496	5
125	400	⊗ GLS 5	50	104778	5
125	40	⊗ GLS 27	50	260795	5
125	60	⊗ GLS 27	50	260796	5
125	80	⊗ GLS 27	50	260797	5
125	100	⊗ GLS 27	50	260798	5
125	120	⊗ GLS 27	50	260799	5
125	150	⊗ GLS 27	50	260800	5
125	180	⊗ GLS 27	50	260801	5
125	240	⊗ GLS 27	50	260802	5
150	24	○ 0	50	2474	5
150	40	○ 0	50	20207	5
150	60	○ 0	50	6649	5
150	80	○ 0	50	6936	5
150	100	○ 0	50	6697	5
150	120	○ 0	50	6937	5
150	150	○ 0	50	71140	5
150	180	○ 0	50	4022	5
150	220	○ 0	50	93324	5
150	240	○ 0	50	91605	5
150	320	○ 0	50	91721	5
150	400	○ 0	50	129092	5
150	24	⊗ GLS 1	50	6516	5
150	40	⊗ GLS 1	50	6520	5
150	60	⊗ GLS 1	50	6523	5
150	80	⊗ GLS 1	50	6524	5
150	100	⊗ GLS 1	50	6525	5
150	120	⊗ GLS 1	50	6526	5
150	150	⊗ GLS 1	50	80722	5
150	180	⊗ GLS 1	50	6611	5
150	220	⊗ GLS 1	50	98990	5
150	240	⊗ GLS 1	50	89451	5
150	320	⊗ GLS 1	50	89450	5
150	400	⊗ GLS 1	50	129389	5
150	40	⊗ GLS 2	50	74088	5
150	60	⊗ GLS 2	50	72633	5
150	80	⊗ GLS 2	50	72632	5
150	100	⊗ GLS 2	50	73490	5
150	120	⊗ GLS 2	50	72628	5
150	150	⊗ GLS 2	50	79862	5
150	180	⊗ GLS 2	50	72624	5
150	240	⊗ GLS 2	50	91814	5
150	24	⊗ GLS 3	50	93321	5
150	40	⊗ GLS 3	50	89181	5



Discs with paper backing, self-fastening

Coated abrasives



►► Continuation of PS 22 K, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
150	60	⊙ GLS 3	50	86634	5
150	80	⊙ GLS 3	50	86635	5
150	100	⊙ GLS 3	50	97072	5
150	120	⊙ GLS 3	50	86636	5
150	150	⊙ GLS 3	50	86637	5
150	180	⊙ GLS 3	50	87528	5
150	220	⊙ GLS 3	50	100157	5
150	240	⊙ GLS 3	50	97778	5
150	320	⊙ GLS 3	50	97779	5
150	400	⊙ GLS 3	50	128356	5
150	40	⊗ GLS 51	50	306611	5
150	60	⊗ GLS 51	50	306612	5
150	80	⊗ GLS 51	50	305559	5
150	100	⊗ GLS 51	50	306507	5
150	120	⊗ GLS 51	50	305560	5
150	150	⊗ GLS 51	50	306508	5
150	180	⊗ GLS 51	50	306509	5
150	240	⊗ GLS 51	50	309471	5
150	40	⊗ GLS 74	50	342419	5
150	60	⊗ GLS 74	50	342418	5
150	80	⊗ GLS 74	50	340766	5
150	100	⊗ GLS 74	50	342423	5
150	120	⊗ GLS 74	50	342159	5
150	150	⊗ GLS 74	50	342422	5
150	180	⊗ GLS 74	50	342421	5
150	240	⊗ GLS 74	50	340761	5
180	24	○ 0	50	2782	5
180	40	○ 0	50	2476	5
180	60	○ 0	50	2477	5
180	80	○ 0	50	6914	5
180	100	○ 0	50	2783	5
180	120	○ 0	50	6915	5
200	40	○ 0	50	77659	5
200	60	○ 0	50	77660	5
200	80	○ 0	50	77656	5
200	100	○ 0	50	77658	5
200	120	○ 0	50	77661	5

Discs with paper backing, self-fastening

Coated abrasives

Abrasive paper, self-fastening

PS 33 CK



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○

Advantages: High removal rate - For diverse applications - Reduced clogging due to stearate coating

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
96	40	△ GLS 15	100	147163	5
96	60	△ GLS 15	100	147164	5
96	80	△ GLS 15	100	147165	5
96	100	△ GLS 15	100	147166	5
96	120	△ GLS 15	100	148195	5

Abrasive paper, self-fastening

PS 33 CK



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○

Advantages: High removal rate - For diverse applications - Reduced clogging due to stearate coating

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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Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
98 x 148	60	△ GLS 24	100	215473	5
98 x 148	80	△ GLS 24	100	215474	5
98 x 148	100	△ GLS 24	100	215475	5
98 x 148	120	△ GLS 24	100	215476	5

Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

PS 33 CK



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○



Advantages: High removal rate - For diverse applications - Reduced clogging due to stearate coating

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115	40	○ 0	100	147701	5
115	60	○ 0	100	148469	5
115	80	○ 0	100	147144	5
115	120	○ 0	100	146955	5
125	40	○ 0	100	154113	5
125	60	○ 0	100	147604	5
125	80	○ 0	100	149055	5
125	100	○ 0	100	150431	5
125	120	○ 0	100	150433	5
125	40	⊗ GLS 5	100	146954	5
125	60	⊗ GLS 5	100	147642	5
125	80	⊗ GLS 5	100	147643	5
125	100	⊗ GLS 5	100	147977	5
125	120	⊗ GLS 5	100	147170	5
150	40	○ 0	100	147922	5
150	60	○ 0	100	147107	5
150	80	○ 0	100	146739	5
150	100	○ 0	100	147106	5
150	120	○ 0	100	146740	5
150	40	⊗ GLS 1	100	146978	5
150	60	⊗ GLS 1	100	146979	5
150	80	⊗ GLS 1	100	143130	5
150	100	⊗ GLS 1	100	143131	5
150	120	⊗ GLS 1	100	147093	5
150	60	⊗ GLS 2	100	147226	5
150	80	⊗ GLS 2	100	143132	5
150	100	⊗ GLS 2	100	143133	5
150	120	⊗ GLS 2	100	147225	5
150	40	⊗ GLS 3	100	147647	5
150	60	⊗ GLS 3	100	147124	5
150	80	⊗ GLS 3	100	146946	5
150	100	⊗ GLS 3	100	143694	5
150	120	⊗ GLS 3	100	146947	5
150	40	⊗ GLS 51	100	310531	5



Discs with paper backing, self-fastening

Coated abrasives

►► Continuation of PS 33 CK, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
150	60	⊗ GLS 51	100	301874	5
150	80	⊗ GLS 51	100	301925	5
150	100	⊗ GLS 51	100	301926	5
150	120	⊗ GLS 51	100	301927	5
150	40	⊗ GLS 74	100	340853	5
150	60	⊗ GLS 74	100	340370	5
150	80	⊗ GLS 74	100	340371	5
150	100	⊗ GLS 74	100	342046	5
150	120	⊗ GLS 74	100	340375	5
225	40	○ 0	50	223162	5
225	60	○ 0	50	210124	5
225	80	○ 0	50	210129	5
225	100	○ 0	50	224731	5
225	120	○ 0	50	210130	5
225	40	⊗ GLS 52	50	302042	5
225	60	⊗ GLS 52	50	302043	5
225	80	⊗ GLS 52	50	302044	5
225	100	⊗ GLS 52	50	302045	5
225	120	⊗ GLS 52	50	302046	5

Abrasive paper, self-fastening

PS 33 BK

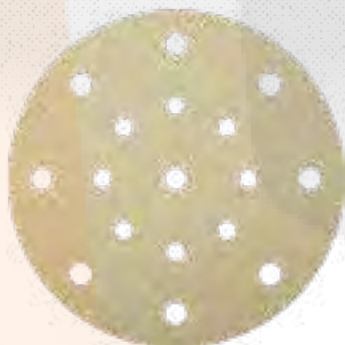


Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Plastic	○



Advantages: High removal rate - For diverse applications - Reduced clogging due to stearate coating

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125	150	⊗ GLS 5	100	150760	5
125	180	⊗ GLS 5	100	147837	5
125	240	⊗ GLS 5	100	147838	5
150	150	○ 0	100	148375	5
150	180	○ 0	100	146958	5
150	220	○ 0	100	149916	5
150	240	○ 0	100	146959	5
150	320	○ 0	100	146716	5
150	400	○ 0	100	147108	5
150	150	⊗ GLS 1	100	148379	5
150	180	⊗ GLS 1	100	147095	5



Discs with paper backing, self-fastening

Coated abrasives



►► Continuation of PS 33 BK, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
150	220	⊙ GLS 1	100	149794	5
150	240	⊙ GLS 1	100	147094	5
150	320	⊙ GLS 1	100	147096	5
150	400	⊙ GLS 1	100	147097	5
150	150	⊙ GLS 2	100	148377	5
150	180	⊙ GLS 2	100	147224	5
150	240	⊙ GLS 2	100	147280	5
150	150	⊙ GLS 3	100	149151	5
150	180	⊙ GLS 3	100	146948	5
150	220	⊙ GLS 3	100	149255	5
150	240	⊙ GLS 3	100	146907	5
150	320	⊙ GLS 3	100	147126	5
150	400	⊙ GLS 3	100	147125	5
150	150	⊙ GLS 51	100	301928	5
150	180	⊙ GLS 51	100	304084	5
150	220	⊙ GLS 51	100	301929	5
150	240	⊙ GLS 51	100	304815	5
150	320	⊙ GLS 51	100	301930	5
150	400	⊙ GLS 51	100	310898	5
150	150	⊙ GLS 74	100	342045	5
150	180	⊙ GLS 74	100	340598	5
150	220	⊙ GLS 74	100	342044	5
150	240	⊙ GLS 74	100	340599	5
150	320	⊙ GLS 74	100	342043	5
150	400	⊙ GLS 74	100	342042	5
225	220	⊙ GLS 52	50	302049	5

Abrasive paper, self-fastening

PS 61 FK



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close
Backing	F-paper

Applications

Stainless steel	●
Steel	●
Wood	○

Advantages: Continuously aggressive abrasive performance - High performance abrasive disc for stainless steel applications - Also very good results in repair sanding of parquet flooring

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125	60	○ 0	50	322468	5
125	80	○ 0	50	321597	5
125	120	○ 0	50	322469	5
125	150	○ 0	50	322470	5



Discs with paper / film backing, self-fastening

Coated abrasives

► Continuation of PS 61 FK, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125	180	○ 0	50	322471	5
150	60	○ 0	50	322036	5
150	80	○ 0	50	321325	5
150	120	○ 0	50	322472	5
150	180	○ 0	50	321797	5

Abrasive film, active coated, self-fastening

FP 73 WK



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

Applications

Paint/Varnish/Filler	●
Plastic	●



Advantages: Special product with highly tear resistant film backing for use on paint, varnish and fillers - Very good adaptation of the discs with excellent grit adhesion also on the edge area - Substantially reduced clogging and significantly longer service life due to additional special coating

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		Hole pattern		Packing unit/pcs.		Cat. number				Discount group												
150		80		 GLS 47		100		320641				5												
150		100		 GLS 47		100		320642				5												
150		120		 GLS 47		100		320643				5												
150		150		 GLS 47		100		320644				5												
150		180		 GLS 47		100		320725				5												
150		240		 GLS 47		100		320726				5												
150		320		 GLS 47		100		320727				5												
150		400		 GLS 47		100		320728				5												
150		600		 GLS 47		100		320729				5												
150		800		 GLS 47		100		320730				5												
150		1000		 GLS 47		100		320731				5												
150		1200		 GLS 47		100		320732				5												
150		1500		 GLS 47		100		320733				5												

Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, active coated, self-fastening

PS 73 CWK

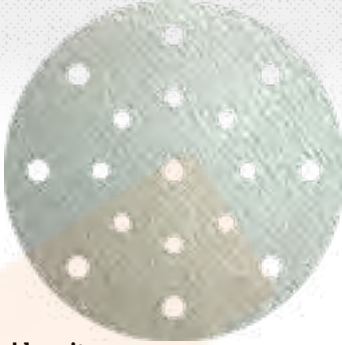


Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●
Plastic	○



Advantages: High quality product for use on varnish, paint and filler - High removal rate - Substantially reduced clogging and significantly longer service life due to additional special coating

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
150	40	○ 0	100	301231	5
150	60	○ 0	100	301232	5
150	80	○ 0	100	301233	5
150	100	○ 0	100	301234	5
150	120	○ 0	100	301235	5
150	40	⊗ GLS 1	100	301205	5
150	60	⊗ GLS 1	100	301206	5
150	80	⊗ GLS 1	100	301207	5
150	120	⊗ GLS 1	100	301209	5
150	40	⊗ GLS 3	100	301218	5
150	60	⊗ GLS 3	100	301219	5
150	80	⊗ GLS 3	100	301220	5
150	100	⊗ GLS 3	100	301221	5
150	120	⊗ GLS 3	100	301222	5
150	40	⊗ GLS 47	100	301810	5
150	60	⊗ GLS 47	100	301811	5
150	80	⊗ GLS 47	100	301812	5
150	100	⊗ GLS 47	100	301813	5
150	120	⊗ GLS 47	100	301814	5
150	80	⊗ GLS 51	100	310524	5
150	120	⊗ GLS 51	100	310478	5

Discs with paper backing, self-fastening

Coated abrasives

Abrasive paper, active coated, self-fastening

PS 73 BWK

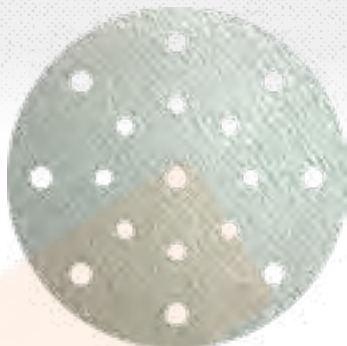


Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Plastic	○



Advantages: High quality product for use on varnish, paint and filler - High removal rate - Substantially reduced clogging and significantly longer service life due to additional special coating

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
150	150	○ 0	100	301236	5
150	180	○ 0	100	301237	5
150	220	○ 0	100	301238	5
150	240	○ 0	100	301239	5
150	320	○ 0	100	301240	5
150	400	○ 0	100	301241	5
150	500	○ 0	100	301937	5
150	800	○ 0	100	301886	5
150	1000	○ 0	100	301891	5
150	150	⊗ GLS 1	100	301210	5
150	180	⊗ GLS 1	100	301211	5
150	240	⊗ GLS 1	100	301213	5
150	320	⊗ GLS 1	100	301214	5
150	400	⊗ GLS 1	100	301215	5
150	500	⊗ GLS 1	100	301216	5
150	600	⊗ GLS 1	100	301217	5
150	800	⊗ GLS 1	100	301890	5
150	150	⊗ GLS 3	100	301223	5
150	180	⊗ GLS 3	100	301224	5
150	220	⊗ GLS 3	100	301225	5
150	240	⊗ GLS 3	100	301226	5
150	320	⊗ GLS 3	100	301227	5
150	400	⊗ GLS 3	100	301228	5
150	500	⊗ GLS 3	100	301229	5
150	600	⊗ GLS 3	100	301230	5
150	800	⊗ GLS 3	100	301889	5
150	150	⊗ GLS 47	100	301855	5
150	180	⊗ GLS 47	100	301856	5
150	220	⊗ GLS 47	100	301857	5
150	240	⊗ GLS 47	100	301858	5
150	320	⊗ GLS 47	100	301859	5
150	400	⊗ GLS 47	100	301860	5
150	500	⊗ GLS 47	100	301861	5
150	600	⊗ GLS 47	100	301862	5



Discs with paper / film backing, self-fastening

Coated abrasives



►► Continuation of PS 73 BWK, Abrasive paper, actively coated, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
150	180	⊗ GLS 51	100	310525	5
150	220	⊗ GLS 51	100	310526	5
150	240	⊗ GLS 51	100	309093	5
150	320	⊗ GLS 51	100	309094	5
150	400	⊗ GLS 51	100	310527	5

Abrasive film, self-fastening

FP 77 K T-ACT

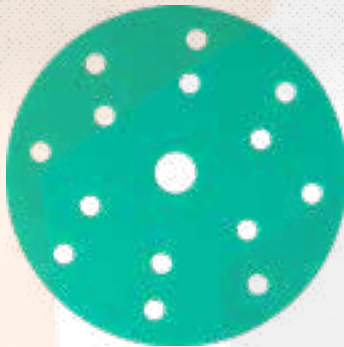


Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	Film

Applications

Paint/Varnish/Filler	●	Composites	●
Primer	●	Plastic	○
Filler	●		
Gel coats	●		



Advantages: New high performance disc with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - With a highly flexible and perfectly flat film backing for high quality surface finishing

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125	240	○ 0	100	353177	5
125	320	○ 0	100	353175	5
125	400	○ 0	100	353174	5
125	500	○ 0	100	353173	5
125	600	○ 0	100	353172	5
125	240	⊗ GLS 27	100	353168	5
125	320	⊗ GLS 27	100	353166	5
125	400	⊗ GLS 27	100	353165	5
125	500	⊗ GLS 27	100	353164	5
125	600	⊗ GLS 27	100	353163	5
125	240	⊗ GLS 5	100	353162	5
125	280	⊗ GLS 5	100	353161	5
125	320	⊗ GLS 5	100	353169	5
125	400	⊗ GLS 5	100	353160	5
125	500	⊗ GLS 5	100	353159	5
125	600	⊗ GLS 5	100	353158	5
150	240	○ 0	100	353157	5
150	320	○ 0	100	353156	5
150	400	○ 0	100	353155	5
150	600	○ 0	100	353153	5
150	240	⊗ GLS 1	100	353152	5
150	320	⊗ GLS 1	100	353151	5
150	400	⊗ GLS 1	100	353150	5
150	500	⊗ GLS 1	100	353149	5
150	600	⊗ GLS 1	100	353148	5



Discs with paper / film backing, self-fastening

Coated abrasives

► Continuation of FP 77 K T-ACT, Abrasive film, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
150	800	⊙ GLS 1	100	353147	5
150	240	⊙ GLS 3	100	353146	5
150	320	⊙ GLS 3	100	353145	5
150	400	⊙ GLS 3	100	353144	5
150	500	⊙ GLS 3	100	353143	5
150	600	⊙ GLS 3	100	353142	5
150	240	⊗ GLS 47	100	353141	5
150	320	⊗ GLS 47	100	353138	5
150	360	⊗ GLS 47	100	353137	5
150	400	⊗ GLS 47	100	353136	5
150	500	⊗ GLS 47	100	353135	5
150	600	⊗ GLS 47	100	353140	5
150	800	⊗ GLS 47	100	353134	5
150	1000	⊗ GLS 47	100	353133	5
150	1200	⊗ GLS 47	100	353132	5
150	1500	⊗ GLS 47	100	353131	5
150	2000	⊗ GLS 47	100	353130	5
150	240	⊗ GLS 51	100	353129	5
150	320	⊗ GLS 51	100	353128	5
150	400	⊗ GLS 51	100	353127	5

Abrasive paper, self-fastening

PS 77 CK T-ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●	Composites	●
Primer	●	Plastic	①
Filler	●		
Gel coats	●		

Advantages: New high performance disc with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For aggressive sanding at high loads, a flexible and tear resistant C-latex paper is used in the grit range 60-220

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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Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
98 x 148	60	⊙ GLS 24	100	353117	5
98 x 148	80	⊙ GLS 24	100	353116	5
98 x 148	100	⊙ GLS 24	100	353115	5
98 x 148	120	⊙ GLS 24	100	353114	5
98 x 148	180	⊙ GLS 24	100	353112	5

Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

PS 77 CK T-ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	C-paper

Applications

Paint/Varnish/Filler	●	Composites	●
Primer	●	Plastic	○
Filler	●		
Gel coats	●		

Advantages: New high performance disc with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For aggressive sanding at high loads, a flexible and tear resistant C-latex paper is used in the grit range 60 - 220

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125	60	○ 0	100	353219	5
125	80	○ 0	100	353224	5
125	100	○ 0	100	353221	5
125	120	○ 0	100	353223	5
125	150	○ 0	100	353225	5
125	180	○ 0	100	353222	5
125	220	○ 0	100	353218	5
125	60	⊗ GLS 27	100	353220	5
125	80	⊗ GLS 27	100	353235	5
125	100	⊗ GLS 27	100	353234	5
125	120	⊗ GLS 27	100	353233	5
125	150	⊗ GLS 27	100	353232	5
125	180	⊗ GLS 27	100	353231	5
125	220	⊗ GLS 27	100	353211	5
125	60	⊗ GLS 5	100	353217	5
125	80	⊗ GLS 5	100	353216	5
125	100	⊗ GLS 5	100	353215	5
125	120	⊗ GLS 5	100	353214	5
125	150	⊗ GLS 5	100	353213	5
125	180	⊗ GLS 5	100	353212	5
125	220	⊗ GLS 5	100	353209	5
150	60	○ 0	100	353208	5
150	80	○ 0	100	353207	5
150	100	○ 0	100	353210	5
150	120	○ 0	100	353206	5
150	150	○ 0	100	353205	5
150	180	○ 0	100	353204	5
150	220	○ 0	100	353203	5
150	60	⊗ GLS 1	100	353202	5
150	80	⊗ GLS 1	100	353201	5
150	100	⊗ GLS 1	100	353200	5
150	120	⊗ GLS 1	100	353199	5
150	150	⊗ GLS 1	100	353198	5
150	180	⊗ GLS 1	100	353197	5



Discs with paper backing, self-fastening / Abrasive screen

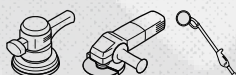
Coated abrasives

►► Continuation of PS 77 CK T-ACT, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
150	220	GLS 1	100	353196	5
150	60	GLS 3	100	353195	5
150	80	GLS 3	100	353194	5
150	100	GLS 3	100	353193	5
150	120	GLS 3	100	353192	5
150	150	GLS 3	100	353191	5
150	180	GLS 3	100	353190	5
150	220	GLS 3	100	353189	5
150	60	GLS 47	100	353188	5
150	80	GLS 47	100	353187	5
150	100	GLS 47	100	353186	5
150	120	GLS 47	100	353185	5
150	150	GLS 47	100	353182	5
150	180	GLS 47	100	353181	5
150	220	GLS 47	100	353180	5
150	80	GLS 51	100	353184	5
150	100	GLS 51	100	353179	5
150	120	GLS 51	100	353183	5
150	180	GLS 51	100	353178	5

Abrasive screen, self-fastening, waterproof

AN 400



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester grid

Applications

Paint/Varnish/Filler	●	Composites	●
Gel coats	●	Wood	●
Plaster	●	Wood-based materials	●
Plasterboard walls	●		



Advantages: Effective and full-surface dust extraction thanks to open lattice structure - Dust-free sanding extends the service life of the abrasive - Improved health and safety due to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

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	Packing unit/pcs.	Cat. number	Discount group
125	80	50	337898	7
125	100	50	337899	7
125	120	50	337900	7
125	150	50	337901	7
125	180	50	337905	7
125	240	50	337904	7
125	320	50	337903	7
125	400	50	337902	7
150	80	50	337886	7
150	100	50	337887	7
150	120	50	337885	7



►► Continuation of AN 400, Abrasive screen, self-fastening, waterproof

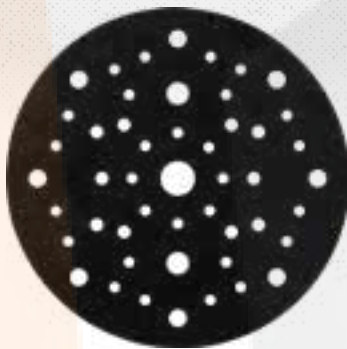
Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
150	150	50	337884	7
150	180	50	337883	7
150	240	50	337888	7
150	320	50	337876	7
150	400	50	337877	7
225	80	25	337871	7
225	100	25	337875	7
225	120	25	337873	7
225	150	25	337874	7
225	180	25	337872	7
225	240	25	337878	7

Protection pad, self-fastening

PP 555



NEW !



Advantages: Improvement of adhesion and protection of the backing pad on random orbital sanders

Diameter in mm	Suitable for	Packing unit/pcs.	Cat. number	Discount group
150	Random orbital sander	2	358148	14

Disc with foam material, self-fastening / Backing pads

Sanding disc with foam material,
self-fastening

FD 500



Properties

Bonding agent	Resin
Grain	Aluminium oxide/SiC
Backing	Foam material/velours

Applications

Paint/Varnish/Filler	●
----------------------	---

Advantages: Uniform pressure distribution thanks to elastic foam coating - Extremely fine scratch pattern - Superior flexibility and adaptability on contours and profiles - Exceptionally well suited for finishing - Suitable for wet and dry use - Available in grit 1000, 1500 (Aluminium oxide) and 2000, 3000 (SiC)

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	3000
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
125	1000	○ 0	10	342291	5
125	1500	○ 0	10	342290	5
125	2000	○ 0	10	342289	5
125	3000	○ 0	10	342288	5
150	1000	○ 0	10	342294	5
150	1500	○ 0	10	342293	5
150	2000	○ 0	10	342295	5
150	3000	○ 0	10	342292	5

Multihole backing pad for random orbital sanders

HST 555



Advantages: Very good heat resistance adhesion for all self-fastening discs - For all standard hole patterns, also for netlike and diverse multihole patterns - Compatible with all standard orbital sanders

Diameter in mm	Adaptor	Thread/Shaft	Density	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
150	Festool adaptor	thread M8/ 5/16"	soft	10200 rpm	1	320488	14
150	Festool adaptor	thread M8/ 5/16"	medium	10200 rpm	1	320489	14
150	Festool adaptor	thread M8/ 5/16"	hard	10200 rpm	1	320587	14

Multihole backing pad for random orbital sanders

HST 555 A



Advantages: Very good heat resistance adhesion for all self-fastening discs - For all standard hole patterns, also for netlike and diverse multihole patterns - Self-fastening backing pad compatible with BOSCH GEX-150 series

Diameter in mm	Adaptor	Thread/Shaft	Density	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
150	Bosch adaptor	thread M8	medium	10200 rpm	1	320490	14

Discs with cloth backing, self-fastening

Coated abrasives

Abrasive cloth, self-fastening

CS 411 XK



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close
Backing	X-cotton

Applications

Stainless steel	●
Steel	●

Advantages: Aggressive abrasive behaviour due to self-sharpening zirconia alumina - High performance abrasive disc with tear resistant cotton backing - From coarse to intermediate finishing on edges and surfaces

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	Hole pattern	Packing unit/pcs.	Cat. number	Discount group
115	40	○ 0	50	291979	6
115	60	○ 0	50	278073	6
115	80	○ 0	50	279638	6
125	40	○ 0	50	291980	6
125	60	○ 0	50	182412	6
125	80	○ 0	50	238954	6
150	40	○ 0	50	301271	6
150	60	○ 0	50	64647	6
150	80	○ 0	50	285565	6

Backing pad for self-fastening discs

HST 359



Advantages: Good adhesion for all self-fastening abrasive discs - For medium-duty sanding and finishing applications

Diameter in mm	Thread/Shaft	Packing unit/pcs.	Cat. number	Discount group
115	thread M10	1	70432	14
115	thread M14	1	70433	14
115	8 mm	1	6874	14
125	thread M14	1	70434	14
125	8 mm	1	70435	14
150	thread M14	1	70436	14
180	thread M14	1	73066	14

Self-fastening support

CS 396 Y



Properties

Engaging elements	Self-fastening
Thickness	1,5 mm
Temperature range	-30° to +80°

Advantages: Can be cut to size easily - Simple and safe fixing on smooth and even surfaces - Allows a quick change of the abrasive



All sizes and minimum purchasing quantities available on request



Quick Change Discs

About the product

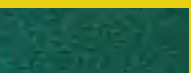
Klingspor Quick Change Discs are designed for use on pneumatic and electric die grinders. The Quick Change Discs allow a fast and safe tool change.

Applications

- ▶ Tool design and construction
- ▶ Aviation industry
- ▶ Engine construction
- ▶ Turbine blade construction
- ▶ Mould construction
- ▶ Container and apparatus construction
- ▶ Model building / model making

Advantages

- ▶ Simple and fast disc changes reduce set-up times
- ▶ No clip or self-fastening device so no slipping or release caused by heat
- ▶ Disc stays centred
- ▶ Simple handling and smooth running characteristics
- ▶ Diverse applications thanks to different dimensions and backing plate hardnesses

Coated abrasive	Type	Grain	Coating	Characteristics	Page
	QMC/QRC 412	Aluminium oxide	●	The versatile disc for coarse and intermediate grinding on metal	166, 170
	QMC/QRC 411	Zirconia alumina	●	High stock removal rate for rough grinding and deburring of stainless steel and steel	167, 170
	QMC/QRC 409	Zirconia alumina	●	Extremely high stock removal rate and long service life for stainless steel and high alloy steels with multibond for cool grinding	167, 171
	QMC/QRC 910	Ceramic aluminium oxide	●	Extremely sharp ceramic grain for highest aggressivity and multibond for cool grinding	168, 172

Quick Change Discs

Applications guide

Minimum order quantities for made to order items

QCD	Diameter	Minimum order quantities
<i>QRC/QMC 412</i>	25 mm	1,700 pieces
<i>QRC/QMC 411</i>	38 mm	1,200 pieces
<i>QRC/QMC 409</i>	50 mm	900 pieces
<i>QRC/QMC 910</i>	76 mm	600 pieces



We reserve the right to over-deliver or under-deliver made to order items.

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 chart.

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.



The system QMC (Quick Metal Connect)

The Quick Change Discs with metal locking are fixed on the backing pad by means of an internal thread.



The system QRC (Quick Roll Connect)

Fix the Quick Change Disc to the backing plate using the plastic threaded bushing and secure by turning 180° clockwise.



Installation on an angle grinder

The QCA 555 adapter allows you to use the quick change discs on conventional angle grinders with an M14 receiving spindle.

1. Mount the QCA 555 adapter with the M14 thread onto your angle grinder.
The lower clamping flange can remain on the machine.
2. Affix the backing pad QMC 555 or QRC 555 with the 1/4" thread on top of the adapter.

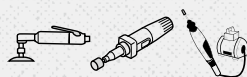
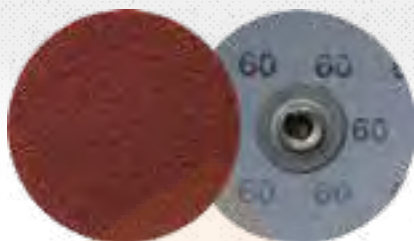


Quick Change Discs

Quick Metal Connect

Quick Change Disc

QMC 412



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

Applications

Stainless steel	●
Steel	●
NF metals	●

Advantages: For universal use in coarse and intermediate grinding

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	Packing unit/pcs.	Cat. number	Discount group
38	36	100	295174	6
38	60	100	295177	6
38	80	100	295178	6
38	120	100	295180	6
50	36	100	295196	6
50	40	100	295197	6
50	50	100	295198	6
50	60	100	295199	6
50	80	100	295200	6
50	100	100	295201	6
50	120	100	295202	6
50	180	100	295204	6
50	240	100	295205	6
50	320	100	295206	6
76	60	50	295221	6
76	80	50	295222	6
76	120	50	295224	6
76	180	50	295226	6

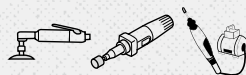
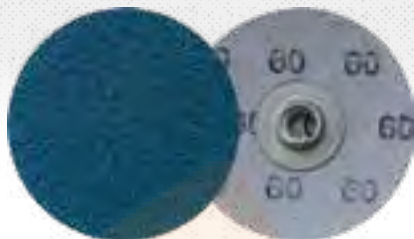
Quick Change Discs

Quick Metal Connect



Quick Change Disc

QMC 411



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications

Stainless steel	●
Steel	●
NF metals	●

Advantages: Aggressive abrasive behaviour due to self-sharpening zirconia alumina - High removal rate on steel and stainless steel

Available grits:

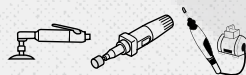
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
50	36	100	295300	6
50	40	100	295301	6
50	60	100	295303	6
50	80	100	295304	6
50	120	100	295305	6
76	36	50	295312	6
76	80	50	295316	6

Backing pad see page 168 / Adapter see page 173.

Quick Change Disc

QMC 409



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications

Stainless steel	●
Steel	●
NF metals	●

Advantages: High removal rate on stainless steel - Multibond allows cool grinding on stainless steel - Minimal clogging on aluminium

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	Packing unit/pcs.	Cat. number	Discount group
50	60	100	295337	6
50	80	100	295338	6
50	120	100	295339	6

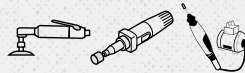
Backing pad see page 168 / Adapter see page 173.

Quick Change Discs

Quick Metal Connect / Backing pad

Quick Change Disc

QMC 910



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close

Applications

Stainless steel	●
High alloy steel	●

Advantages: Extremely high removal rate on stainless steel due to micro-crystalline and self-sharpening ceramic grit - Continuously aggressive abrasive properties - Multibond allows cool grinding on stainless steel

Available grits:

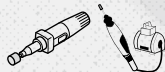
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
38	60	100	295359	6
38	80	100	295360	6
50	36	100	295366	6
50	40	100	295367	6
50	60	100	295369	6
50	80	100	295370	6

Backing pad see page 168 / Adapter see page 173.

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	Discount group
25 x 6	medium	blue	30000 rpm	1	295422	14
38 x 6	soft	grey	30000 rpm	1	300058	14
38 x 6	medium	blue	30000 rpm	1	295424	14
38 x 6	firm	red	30000 rpm	1	300059	14
50 x 6	soft	grey	30000 rpm	1	300060	14
50 x 6	medium	blue	30000 rpm	1	295426	14



Quick Change Discs

Backing pad



►► Continuation of QMC 555, Backing pad

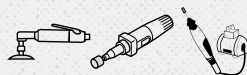
Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
50 x 6	firm	red	30000 rpm	1	295427	14
76 x 6	soft	grey	20000 rpm	1	300061	14
76 x 6	medium	blue	20000 rpm	1	295430	14
76 x 6	firm	red	20000 rpm	1	295431	14

Quick Change Discs

Quick Roll Connect

Quick Change Disc

QRC 412



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

Applications

Metals	●
Steel	●
NF metals	●

Advantages: For universal use in coarse and intermediate grinding

Available grits:

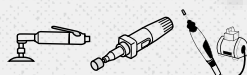
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
50	36	100	295207	6
50	40	100	295208	6
50	60	100	295210	6
50	80	100	295211	6
50	120	100	295213	6
76	36	50	295229	6
76	60	50	295232	6
76	80	50	295233	6
76	120	50	295235	6

Backing pad see page 173 / Adapter see page 173.

Quick Change Disc

QRC 411



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications

Stainless steel	●
Steel	●
NF metals	●

Advantages: Aggressive abrasive behaviour due to self-sharpening alumina zirconia - High removal rate on steel and stainless steel

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	Packing unit/pcs.	Cat. number	Discount group
50	36	100	295306	6
50	40	100	295307	6
50	60	100	295309	6
50	80	100	295310	6



Quick Change Discs

Quick Roll Connect



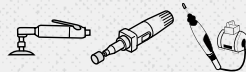
►► Continuation of QRC 411, Quick Change Disc

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
50	120	100	295311	6
76	36	50	295318	6
76	60	50	295321	6
76	80	50	295322	6

Backing pad see page 173 / Adapter see page 173.

Quick Change Disc

QRC 409



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications

Stainless steel	●
Steel	●
NF metals	●



Advantages: High removal rate on stainless steel - Multibond allows cool grinding on stainless steel - Minimal clogging on aluminium

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				Packing unit/pcs.				Cat. number				Discount group								
50				36				100				295340				6								
50				60				100				295343				6								
50				80				100				295344				6								

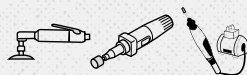
Backing pad see page 173 / Adapter see page 173.

Quick Change Discs

Quick Roll Connect

Quick Change Disc

QRC 910



Properties

Bonding agent	Resin
Grain	Ceramic aluminium oxide
Coating	Close

Applications

Stainless steel	●
High alloy steel	●

Advantages: Extremely high removal rate on stainless steel due to micro-crystalline and self-sharpening ceramic grit - Continual aggressive abrasive properties - Multibond allows cool grinding on stainless steel

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	Packing unit/pcs.	Cat. number	Discount group
50	40	100	295372	6
50	60	100	295374	6
50	80	100	295375	6

Backing pad see page 173 / Adapter see page 173.

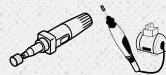
Quick Change Discs

Backing pad / Adapter



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	Discount group
25 x 6	medium	blue	30000 rpm	1	295423	14
38 x 6	medium	blue	30000 rpm	1	295425	14
50 x 6	medium	blue	30000 rpm	1	295428	14
50 x 6	firm	red	30000 rpm	1	295429	14
76 x 6	medium	blue	20000 rpm	1	295432	14
76 x 6	firm	red	20000 rpm	1	295433	14

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	Discount group
20 x 30	thread M14	80 m/s	75400 rpm	1	308693	14



Abrasive mop wheels

About the product

Developed by Klingspor over 40 years ago the abrasive mop wheel has found many practical and economical uses in surface finishing work. The Klingspor abrasive mop wheel comprises of high quality grinding flaps coated with aluminium oxide. The fan-shaped radial arrangement is firmly anchored by a resin core at the centre of the abrasive mop wheel. The structure of the abrasive mop wheel provides for very soft, comfortable grinding behaviour and adapts optimally to the contours of the workpiece. Klingspor abrasive mop wheels are especially suited for achieving a very smooth surface finish.

Klingspor has the perfect abrasive mop wheel to suit every surface, ranging from even to profiled surfaces, and is suited for nearly every material.

Machines

Klingspor abrasive mop wheels can, depending on the dimensions, be used with the following machines:



Die grinders



Angle grinders



Flexible shafts



Drilling machines



Floor stand grinders



Satin finishing machine

Minimum order quantities for made to order items

Product	Diameter in mm	Minimum order quantities
SM 611	100–165	20 pieces
SM 611 W/H/S *	200–300	10 pieces
WSM 617 *	350–410	4 pieces

* Available dimensions on request

Product	Diameter in mm	Minimum order quantities
FSR 618	165	20 pieces
	200–300	10 pieces
	350–400	4 pieces
MM 650	100–165	20 pieces
	200–300	10 pieces
	>300	4 pieces



We reserve the right to over-deliver or under-deliver made to order items.

Type	Page	Material applications															Machine applications						
		Metal	Apparatus / container engineering	Precision engineering	Mould making	Fittings	Pipes	Profiled sections	Tools	Mountings	Cutlery	Wood	Contoured wood	Model construction	Profiled sections	Paint / varnish / fillers	Plastics	Flexible shafts	Drilling machines	Die grinders	Automatic grinders	Floor stand grinders	Angle grinders
SM 611	180	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		
SM 611 W	181	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		
SM 611 H	182	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		
SM 611 S	186	●	●				●																●
MM 630	184	●	○		○		○	○				●	●	●	●	●	○	●	●				
MM 650	182	●	●	○	○	○	○	●		○		●	●	●	●	●	○	●		●		●	
WSM 617	185	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●	○						●
FSR 618	184	●	○	●	●	●	●	●	●	●	○	○	○	○	○	○	●			●	●		

● = main application ○ = possible application

Abrasive mop wheels

Applications guide

Mounting

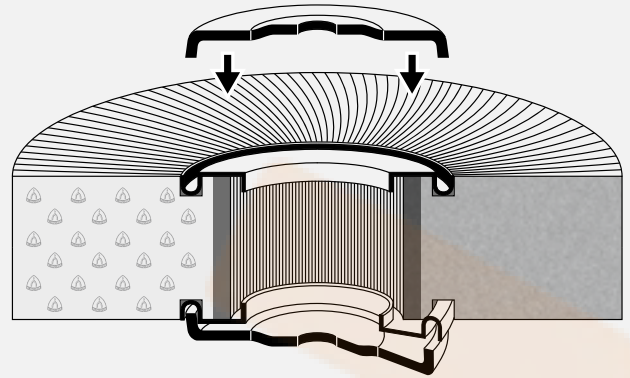
Abrasive mop wheels SM 611, MM 650,

These abrasive mop wheels are mounted to the machine spindle with two SMD 612 mounting plates.

Correct mounting is important

To ensure that the abrasive mop wheel runs smoothly, please check that the mounting plates are mounted evenly and fit tightly to the inner edge of the metal side mounting plate retaining groove. The mounting plates are equipped with mounting bore holes. Making bore hole adjustments to fit the respective shaft diameter easy and quick – by simply drilling the appropriate bore hole diameter. Please refer to product text SMD 612 for more information on maximum bore hole diameters.

The special abrasive mop varieties listed below are designed in such a way that they can be fitted on top of the respective machine shafts without any additional SMD 612 mounting plates:



Abrasive mop wheel SM 611 H

The abrasive mop wheel with a wooden core is preferred for work on floor stand grinders with cone-shaped mounting spindles. It can be mounted directly on the machine spindle without the use of a mounting plate. Abrasive mop wheel SM 611 H is equipped with a Ø 13 mm bore hole. Making bore hole adjustments to fit the respective shaft diameter easy and quick - by simply drilling the appropriate bore hole diameter.



Abrasive mop wheel SM 611 W

This abrasive mop wheel is equipped with a Ø 25.4 mm mounting bore hole and can be mounted to a machine without the use of a mounting plate.



WSM 617

The WSM 617, an abrasive mop wheel of the second generation with an integrated M14 or 5/8" inside thread, can be mounted and released again without the need for any additional tools.



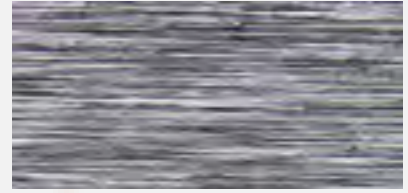
Abrasive flap drum SM 611 S

These drums come as standard with a 19 mm receiving hole and keyway standard satin finishing machines that are equipped with the corresponding machine spindle.

The surface scratch pattern

The abrasive mop wheel's construction makes it perfect for achieving a smooth surface finish.

The abrasive mop wheel achieves a significantly smoother surface finish compared to that of a belt grinder. When choosing a grit size please select a grit size that is 2-3 sizes coarser than that used with a belt grinder.



Abrasive belt 40 grit

- ▶ short distinctive line pattern
- ▶ rough surface
- ▶ high contrast finish



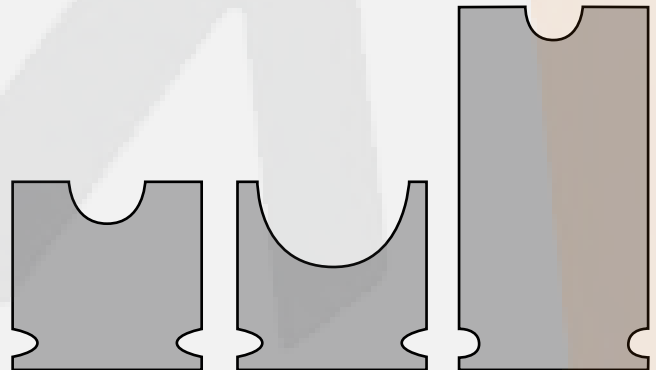
Abrasive mop wheel 40 grit

- ▶ long continuous line pattern
- ▶ minimum depression
- ▶ smooth finish

Common profilings

Pre-profiled abrasive mop wheels are designed to adapt perfectly to the contours of your individual workpiece and provide excellent results from the very beginning. Time consuming pre-profiling of the abrasive mop is no longer needed.

If you require an individualised abrasive mop wheel, we would be pleased to assist you with this.



Abrasive mop wheels

Applications guide

Selection of the correct mop diameter

To be able to work at the optimal cutting rate (38-42 m/s) the selection of the abrasive mop diameter for machines, that are not equipped with RPM setting functionality, is based on the set RPM. Machines that are equipped with RPM setting functionality are to be set according to the abrasive mop wheel diameter settings.

Before turning the machine on please check that the pre-set RPM does not exceed the maximum abrasive mop RPM setting.

Please refer to the adjoining table for the correct abrasive mop diameter settings for the optimal RPM range.

If the abrasive mop wheel is used at the optimal RPM setting, the grinding flaps stand up straight as result of the centrifugal forces around the core and provide optimum abrasive mop wheel grinding properties. Only the edges of the grinding flaps are subjected to wear and tear. This results in the use of new and sharper grits. This ensures uniform stock removal and surface finish – from the first to the last workpiece.

Suboptimal RPM settings (too low) result in the incorrect positioning of the grinding flap as a result of tool / grinding pressure. This results in wear and tear on the grit side of the grinding flaps, and the area the abrasive mop wheel grinds is too large, which in turn results in higher friction between the workpiece and the grinding flaps. Consequently the workpiece and abrasive mop wheel are subjected to a higher thermal load and a higher degree of wear and tear on the grinding flaps. Ultimately, this can result in the failure of the abrasive mop wheel and damaged grinding flaps.

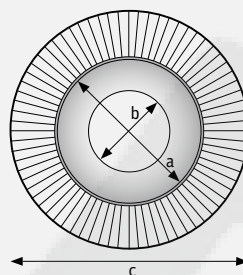
Maximum RPM

Klingspor SM 611 abrasive mop wheels are certified for widths of ≤ 100 mm and maximum revolutions per minute of 50 m/s.

Optimal cutting rate

The abrasive mop wheel's optimum performance range is a cutting rate between 38-42 m/s.

Mop-Ø [mm]	Recommended RPM range [min-1] (38 - 42 m/s)
100	7,300–8,000
140	5,200–5,700
165	4,400–4,800
200	3,650–4,000
250	2,900–3,200
300	2,400–2,650
350	2,100–2,300
380	1,900–2,100
410	1,750–1,950
480	1,500–1,650
510	1,400–1,550



- a Outer diameter side cover
- b Hole side cover
- c Outer diameter mop

Mop side cover and hole relative to the outer mop diameter*

Type	Mop wheel outer Ø [mm]	Metal side cover		Matching clamping flange SMD 612
		Outer Ø [mm]	Hole [mm]	
SM 611	100 - 140	60	21,0	14821
	150 - 165	82	43,1	14823
	200 - 250	125	68,2	14824
	300	158	97,8	14826
	350	198	131,8	14827
	380 - 410	224	151,6	14829
	480 - 510	332	244,5	-
MM 650	250	82	43,1	14823

* applies to standard versions (stock items)

Packet assembling

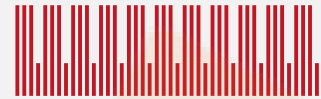
Another way to influence the grinding result is packet assembling. During packet assembling an intermediate layer is stamped between the cloth flaps. This creates space between the individual flaps, which influences the grinding behaviour of the wheel. The higher the ratio of grinding flaps to intermediate layers, the harder the abrasive mop wheel.

The standard abrasive mop wheel is manufactured without packet assembling.

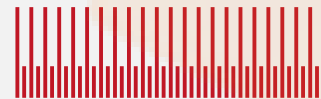
Exception: Starting at a diameter of ≥ 250 mm, a width of ≥ 50 mm, and a grit size of 220 and finer, abrasive mop wheels are manufactured with a packet assembly ratio of 5:1.



5:1



3:1



1:1

Factors influencing the grinding result

The surface finish is dependent upon a wide range of process parameters. The table below illustrates the different influencing factors and their affect on the grinding result.

Influencing factor		Grinding result		
		Stock removal*	Surface finish	Service life
Cutting rate	high	increases	finer	shorter
	low	decreases	coarser	longer
Tool / grinding pressure	high	increases	coarser	shorter
	marginal	decreases	finer	longer
Grit size	rough	increases	coarser	shorter
	fine	decreases	finer	longer
Grinding aids (oils, lubricants)	without	increases	coarser	shorter
	with	decreases	finer	longer

* Note: the essential parameters that affect the stock removal rate are the selection of a coarser (more stock removal) or finer (less stock removal) grit.

The safe use of Klingspor abrasives

Klingspor abrasive mops are manufactured in accordance with the oSa and EN 13743 standards, this ensures the highest level of user safety.



Wear safety goggles or glasses to protect the eyes



Wear a dust mask



Use ear protectors



Wear safety gloves to protect hands



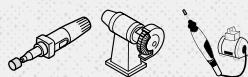
Observe safety instructions

Abrasive mop wheels

Abrasive mop

Abrasive mop

SM 611



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

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

Advantages: Even surface scratch pattern due to continuously fresh, unused abrasive grit - For universal use on all materials - Adapts optimally to workpiece contour

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 x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 30 x 21	40	50 m/s	9500 rpm	5	12000	9
100 x 30 x 21	60	50 m/s	9500 rpm	5	12002	9
100 x 30 x 21	80	50 m/s	9500 rpm	5	12003	9
100 x 30 x 21	120	50 m/s	9500 rpm	5	12005	9
100 x 30 x 21	180	50 m/s	9500 rpm	5	12007	9
140 x 50 x 21	40	50 m/s	6800 rpm	3	12060	9
140 x 50 x 21	60	50 m/s	6800 rpm	3	12062	9
140 x 50 x 21	80	50 m/s	6800 rpm	3	12063	9
140 x 50 x 21	120	50 m/s	6800 rpm	3	12065	9
165 x 25 x 43,1	40	50 m/s	5800 rpm	5	12075	9
165 x 25 x 43,1	60	50 m/s	5800 rpm	5	12077	9
165 x 25 x 43,1	80	50 m/s	5800 rpm	5	12078	9
165 x 25 x 43,1	100	50 m/s	5800 rpm	5	12079	9
165 x 25 x 43,1	120	50 m/s	5800 rpm	5	12080	9
165 x 25 x 43,1	150	50 m/s	5800 rpm	5	12081	9
165 x 25 x 43,1	240	50 m/s	5800 rpm	5	12084	9
165 x 30 x 43,1	40	50 m/s	5800 rpm	5	12090	9
165 x 30 x 43,1	60	50 m/s	5800 rpm	5	12092	9
165 x 30 x 43,1	80	50 m/s	5800 rpm	5	12093	9
165 x 30 x 43,1	120	50 m/s	5800 rpm	5	12095	9
165 x 30 x 43,1	180	50 m/s	5800 rpm	5	12097	9
165 x 50 x 43,1	40	50 m/s	5800 rpm	3	12105	9
165 x 50 x 43,1	50	50 m/s	5800 rpm	3	12106	9
165 x 50 x 43,1	60	50 m/s	5800 rpm	3	12107	9
165 x 50 x 43,1	80	50 m/s	5800 rpm	3	12108	9
165 x 50 x 43,1	100	50 m/s	5800 rpm	3	12109	9
165 x 50 x 43,1	120	50 m/s	5800 rpm	3	12110	9
165 x 50 x 43,1	150	50 m/s	5800 rpm	3	12111	9
165 x 50 x 43,1	180	50 m/s	5800 rpm	3	12112	9
165 x 50 x 43,1	240	50 m/s	5800 rpm	3	12114	9
165 x 50 x 43,1	320	50 m/s	5800 rpm	3	12116	9
200 x 25 x 68,2	120	50 m/s	4800 rpm	5	12140	9
200 x 50 x 68,2	40	50 m/s	4800 rpm	3	12165	9
200 x 50 x 68,2	60	50 m/s	4800 rpm	3	12167	9



Abrasive mop wheels

Abrasive mop



►► Continuation of SM 611, Abrasive mop

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
200 x 50 x 68,2	80	50 m/s	4800 rpm	3	12168	9
200 x 50 x 68,2	120	50 m/s	4800 rpm	3	12170	9
250 x 25 x 68,2	60	50 m/s	3800 rpm	2	12197	9
250 x 25 x 68,2	80	50 m/s	3800 rpm	2	12198	9
250 x 25 x 68,2	120	50 m/s	3800 rpm	2	12200	9
250 x 30 x 68,2	60	50 m/s	3800 rpm	2	12212	9
250 x 30 x 68,2	80	50 m/s	3800 rpm	2	12213	9
250 x 30 x 68,2	240	50 m/s	3800 rpm	2	12219	9
250 x 50 x 68,2	40	50 m/s	3800 rpm	1	12225	9
250 x 50 x 68,2	60	50 m/s	3800 rpm	1	12227	9
250 x 50 x 68,2	80	50 m/s	3800 rpm	1	12228	9
250 x 50 x 68,2	120	50 m/s	3800 rpm	1	12230	9
250 x 50 x 68,2	180	50 m/s	3800 rpm	1	12232	9
250 x 50 x 68,2	220	50 m/s	3800 rpm	1	12233	9
250 x 50 x 68,2	240	50 m/s	3800 rpm	1	12234	9
250 x 50 x 68,2	320	50 m/s	3800 rpm	1	12236	9
300 x 50 x 97,8	40	50 m/s	3200 rpm	1	12285	9
300 x 50 x 97,8	80	50 m/s	3200 rpm	1	12288	9
300 x 50 x 97,8	120	50 m/s	3200 rpm	1	12290	9
300 x 50 x 97,8	180	50 m/s	3200 rpm	1	12292	9
300 x 50 x 97,8	240	50 m/s	3200 rpm	1	12294	9
300 x 50 x 97,8	320	50 m/s	3200 rpm	1	12296	9

Use only with mounting plate SMD 612 (page 183)

Abrasive mop

SM 611 W



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications

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

Advantages: Even surface scratch pattern due to continuously fresh, unused abrasive grit - For universal use on all materials - Adapts optimally to workpiece contour - Can be used without mounting plate SMD 612

Available grits:

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
165 x 25 x 25,4	40	50 m/s	5800 rpm	5	221597	9
165 x 25 x 25,4	60	50 m/s	5800 rpm	5	221596	9
165 x 25 x 25,4	80	50 m/s	5800 rpm	5	221595	9
165 x 25 x 25,4	120	50 m/s	5800 rpm	5	221593	9
165 x 25 x 25,4	180	50 m/s	5800 rpm	5	221591	9

Abrasive mop wheels

Abrasive mop

Abrasive mop

SM 611 H



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

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



Advantages: Wooden core with mounting bore diameter of 13 mm for fast mounting - Can be used without mounting plate SMD 612 - Enlargement of the mounting bore is relatively uncomplicated

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 x Width x Bore in mm				Grit	Max. operating speed			Max. RPM		Packing unit/pcs.		Cat. number			Discount group									
165 x 25 x 13				40	50 m/s			5800 rpm		5		10030			9									
165 x 25 x 13				60	50 m/s			5800 rpm		5		10005			9									
165 x 25 x 13				80	50 m/s			5800 rpm		5		10004			9									
165 x 25 x 13				120	50 m/s			5800 rpm		5		10006			9									
165 x 25 x 13				240	50 m/s			5800 rpm		5		10027			9									
165 x 50 x 13				40	50 m/s			5800 rpm		3		10022			9									
165 x 50 x 13				60	50 m/s			5800 rpm		3		10017			9									
165 x 50 x 13				80	50 m/s			5800 rpm		3		10018			9									
165 x 50 x 13				120	50 m/s			5800 rpm		3		15990			9									

Abrasive mop

MM 650



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

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



Advantages: Very suitable for workpieces with high profiles due to grinding flaps with longitudinal slots - Produces a very fine surface

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 x Width x Bore in mm					Grit		Max. operating speed			Max. RPM			Packing unit/pcs.			Cat. number			Discount group					
250 x 50 x 43,1					80		32 m/s			2450 rpm			2			2750			9					
250 x 50 x 43,1					100		32 m/s			2450 rpm			2			2486			9					
250 x 50 x 43,1					120		32 m/s			2450 rpm			2			2485			9					
250 x 50 x 43,1					150		32 m/s			2450 rpm			2			2483			9					



Abrasive mop wheels

Abrasive mop



►► Continuation of MM 650, Abrasive mop

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
250 x 50 x 43,1	180	32 m/s	2450 rpm	2	2482	9
250 x 100 x 43,1	80	32 m/s	2450 rpm	1	10210	9
250 x 100 x 43,1	120	32 m/s	2450 rpm	1	2740	9
250 x 100 x 43,1	180	32 m/s	2450 rpm	1	2742	9

Use only with mounting plate SMD 612 (Cat. number 14823)

Mounting plate

SMD 612



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

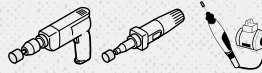
Diameter x Bore in mm	Suitable for	Max. enlargement of bore Ø in mm	Packing unit/pcs.	Cat. number	Discount group
55 x 10	SM 611 (Ø100+Ø140)	Ø 20 mm	2	14821	14
79 x 12	SM 611/NCW/NFW 600 (Ø150+Ø165) + MM 650 (Ø250)	Ø 40 mm	2	14823	14
121 x 14	SM 611/NCW/NFW 600 (Ø200+Ø250)	Ø 50 mm	2	14824	14
155 x 20	SM 611 (Ø300)	Ø 50 mm	2	14826	14
195 x 25	SM 611 (Ø350)	Ø 80 mm	2	14827	14
221 x 25,4	SM 611 (Ø380+Ø410)	Ø 80 mm	2	14829	14

Abrasive mop wheels

Abrasive mop

Abrasive mop

MM 630



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

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

Advantages: Very suitable for workpieces with high profiles due to grinding flaps with longitudinal slots - For use on hand operated machines - Fine surface pattern

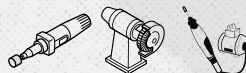
Available grits:

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 x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
180 x 25 x 6	80	40 m/s	4200 rpm	2	262630	9
180 x 25 x 6	120	40 m/s	4200 rpm	2	262631	9
180 x 25 x 6	180	40 m/s	4200 rpm	2	262632	9
180 x 50 x 6	80	40 m/s	4200 rpm	2	262634	9
180 x 50 x 6	120	40 m/s	4200 rpm	2	262635	9
180 x 50 x 6	180	40 m/s	4200 rpm	2	262636	9

Pleated mop

FSR 618



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

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

Advantages: Pleated mop wheel consisting of pleated Aluminium oxide cloth flaps allows easy access to joints, grooves and slots - Very large immersion depth

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 x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
165 x 14	40	50 m/s	5800 rpm	10	10187	9
165 x 14	60	50 m/s	5800 rpm	10	5830	9
165 x 14	80	50 m/s	5800 rpm	10	5831	9
165 x 14	120	50 m/s	5800 rpm	10	73994	9
165 x 14	150	50 m/s	5800 rpm	10	25998	9
165 x 14	220	50 m/s	5800 rpm	10	26033	9

Abrasive mop wheels

Abrasive mop



Angle grinder mop

WSM 617



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Steel	●	Wood	●
Stainless steel	●		
Paint	●		
Plastic	●		

Advantages: Can be used on all standard angle grinders (80 m/s) - For universal use; in front and side position - Easy tool changing by hand without additional aids

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 x Width in mm	Grit	Thread/Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 20	40	thread M14	80 m/s	13300 rpm	2	277014	9
115 x 20	60	thread M14	80 m/s	13300 rpm	2	277015	9
115 x 20	80	thread M14	80 m/s	13300 rpm	2	277016	9
115 x 20	120	thread M14	80 m/s	13300 rpm	2	277017	9
125 x 20	40	thread M14	80 m/s	12200 rpm	2	277018	9
125 x 20	60	thread M14	80 m/s	12200 rpm	2	277019	9
125 x 20	80	thread M14	80 m/s	12200 rpm	2	277020	9
125 x 20	120	thread M14	80 m/s	12200 rpm	2	277021	9



The all-round abrasive mop wheel for the angle grinder

- Quick and easy mounting
- Multi purpose
- Extremely safe
- Ideal for working on hard-to-reach places

Satin finishing drums

Satin finishing drum

SM 611 S



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

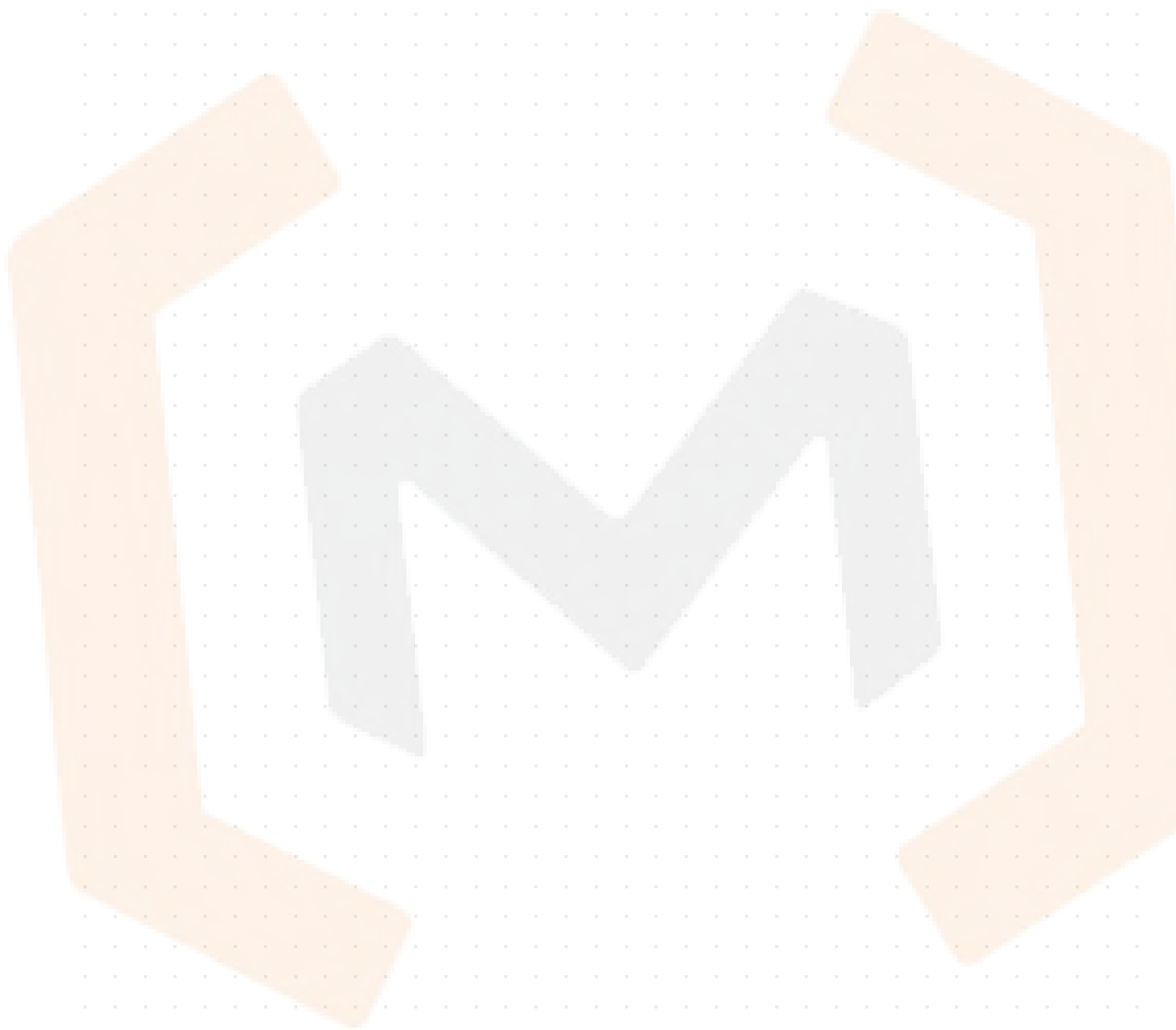
Paint/Varnish/Filler	●
Wood	●
Plastic	●
Metals	●

Advantages: Even surface scratch pattern - Special product for fine surface finishing

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 x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 50 x 19	40	19 m/s	3700 rpm	3	60868	9
100 x 50 x 19	60	19 m/s	3700 rpm	3	60899	9
100 x 50 x 19	80	19 m/s	3700 rpm	3	60943	9
100 x 50 x 19	120	19 m/s	3700 rpm	3	61045	9
100 x 100 x 19	40	19 m/s	3700 rpm	1	83167	9
100 x 100 x 19	60	19 m/s	3700 rpm	1	7325	9
100 x 100 x 19	80	19 m/s	3700 rpm	1	7326	9
100 x 100 x 19	120	19 m/s	3700 rpm	1	93076	9
100 x 100 x 19	180	19 m/s	3700 rpm	1	93021	9
100 x 100 x 19	240	19 m/s	3700 rpm	1	104999	9



Small abrasive mops

About the product

The small abrasive mop comprises of grinding flaps coated with aluminium oxide. The fan-shaped abrasive flaps are securely fixed to a central mounting spindle. The grinding flaps' fan-shaped radial arrangement adapts perfectly to the contours of the workpiece.

The wide range of grits (40 – 320) and top size coat additives (with and without multibonds) make the Klingspor small abrasive mop perfect for a wide range of applications.

The small abrasive mop is equipped with the following standard features: a 6 mm or 3 mm fixing spindle and a shaft length of 40 mm.

Application examples

- ▶ Grinding work for tool and mould making
- ▶ Processing of profiled workpieces
- ▶ Processing of internal surfaces on pipework, fittings and difficult-to-reach areas
- ▶ Grinding work on small parts and casing

Type	Material applications															Machine applications			Page
	Metal	Apparatus / container engineering	Precision engineering	Mould making	Fittings	Pipes	Profiled sections	Tools	Mountings	Cutlery	Wood	Contoured wood	Model construction	Profiled sections	Plastics	Flexible shafts	Drilling machines	Die grinders	
KM 613	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	●	●	●	204
KM 615	●	●	●	●	●	●	●	●	●	●			○	○		●	●	●	208
KMT 614	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	●	●	●	209

● = main application ○ = possible application

Minimum order quantities for made to order items

Product	Grit	Minimum order quantities
KM 613	40–320	250 pieces
	from 360	500 pieces
KM 615	40–180	250 pieces
	40–320	250 pieces
KMT 614	40–320	250 pieces
	from 360	500 pieces

Application recommendations

- ▶ The small abrasive mop can be used with flexible shaft grinders, die grinders (pneumatic, electric) or drilling machines.
- ▶ The small abrasive mop's optimum performance is achieved at a cutting rate between 20 – 25 m/s. By observing these speeds, the product will perform at its most economical as regards tool wear, stock removal, surface finish and thermal load of the workpiece.

Factors influencing the grinding result

Stock removal

An increase in stock removal should only occur as a result of using coarser grit and not as a result of increased tool / grinding pressure.

Steady increased tool / grinding pressure

- ▶ results in unnecessary tool wear and tear
- ▶ results in increased workpiece temperature load
- ▶ can result in tool failure

Surface finish

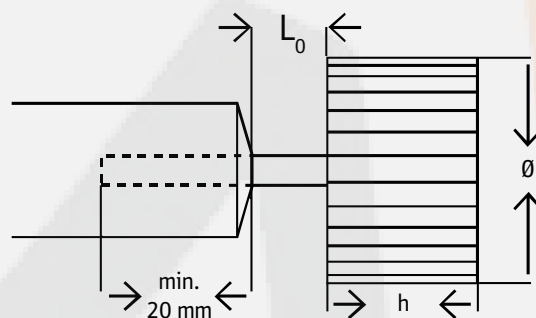
- ▶ The wear of the outer edge of the grinding flaps results in the presentation of new sharp abrasive grain, which results in a uniform surface finish
- ▶ The surface roughness decreases through an increase in the cutting rate
- ▶ An increase in the tool / grinding pressure results in a coarser surface finish
- ▶ The small abrasive mop achieves a significantly smoother surface finish compared to that of a belt grinder

Temperature load

- ▶ By reducing the tool / grinding pressure and the peripheral speeds the temperature load of the workpiece and the tool is reduced.

ø [mm]	Height h [mm]	Maximum operating speed [m/s]*	RPM [1/min]		
			L ₀ = 0 mm	L ₀ = 10 mm	L ₀ = 20 mm
10	≤ 15	40	76,300	55,000	35,000
15	≤ 25	40	50,500	37,000	28,000
20	≤ 20	40	38,150	28,600	21,900
25	≤ 15	40	30,500	22,900	17,500
30	≤ 15	40	25,400	19,000	14,600
40	≤ 20	40	19,000	14,300	10,900
50	≤ 30	40	15,200	11,400	8,700
60	≤ 40	40	12,700	9,500	7,300
	50	32	10,150	7,900	6,300
80	≤ 40	40	9,500	7,100	5,400
	50	32	7,650	6,000	4,800

* for exposed shank length L₀=0 mm



Tool wear

Tool wear is reduced by working with a lower grinding pressure.

To ensure the optimal and most efficient use of a tool

- ▶ the maximum revolutions per minute may not be exceeded
- ▶ the fixing spindle length of the small abrasive mop in the mounting device must be at least 20 mm
- ▶ the set revolutions per minute may not be exceeded when using an exposed shaft length L₀ (please refer to the table above)

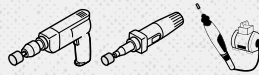
For additional information please refer to the safety information provided with the product.

Small abrasive mop

Abrasive mop

Small abrasive mop

KM 613



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Metals	●
Wood	○
Plastic	○

Advantages: Universal product for steel and stainless steel materials - Even removal rate - Suitable for use in hard-to-reach areas

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 x Width x Shaft in mm				Grit	Max. operating speed			Max. RPM		Packing unit/pcs.		Cat. number			Discount group									
10 x 10 x 3				40	40 m/s			76300 rpm		10		327992			9									
10 x 10 x 3				60	40 m/s			76300 rpm		10		327993			9									
10 x 10 x 3				80	40 m/s			76300 rpm		10		327994			9									
10 x 10 x 3				120	40 m/s			76300 rpm		10		327995			9									
10 x 10 x 3				180	40 m/s			76300 rpm		10		327997			9									
10 x 10 x 3				240	40 m/s			76300 rpm		10		327998			9									
10 x 10 x 3				320	40 m/s			76300 rpm		10		327999			9									
20 x 10 x 3				60	40 m/s			38150 rpm		25		325948			9									
20 x 10 x 3				80	40 m/s			38150 rpm		25		305324			9									
20 x 10 x 3				120	40 m/s			38150 rpm		25		307342			9									
20 x 10 x 3				180	40 m/s			38150 rpm		25		305888			9									
20 x 10 x 3				240	40 m/s			38150 rpm		25		307343			9									
20 x 10 x 3				320	40 m/s			38150 rpm		25		307344			9									
20 x 10 x 6				40	40 m/s			38150 rpm		25		284729			9									
20 x 10 x 6				60	40 m/s			38150 rpm		25		284730			9									
20 x 10 x 6				80	40 m/s			38150 rpm		25		284731			9									
20 x 10 x 6				120	40 m/s			38150 rpm		25		284732			9									
20 x 10 x 6				180	40 m/s			38150 rpm		25		284733			9									
20 x 10 x 6				240	40 m/s			38150 rpm		25		284734			9									
20 x 10 x 6				320	40 m/s			38150 rpm		25		284735			9									
20 x 15 x 6				40	40 m/s			38150 rpm		25		284736			9									
20 x 15 x 6				60	40 m/s			38150 rpm		25		284737			9									
20 x 15 x 6				80	40 m/s			38150 rpm		25		284738			9									
20 x 15 x 6				120	40 m/s			38150 rpm		25		284739			9									
20 x 15 x 6				180	40 m/s			38150 rpm		25		284740			9									
20 x 15 x 6				240	40 m/s			38150 rpm		25		284741			9									
20 x 20 x 6				40	40 m/s			38150 rpm		25		284743			9									
20 x 20 x 6				60	40 m/s			38150 rpm		25		284744			9									
20 x 20 x 6				80	40 m/s			38150 rpm		25		284745			9									
20 x 20 x 6				120	40 m/s			38150 rpm		25		284746			9									
20 x 20 x 6				180	40 m/s			38150 rpm		25		284747			9									
20 x 20 x 6				240	40 m/s			38150 rpm		25		284748			9									
20 x 20 x 6				320	40 m/s			38150 rpm		25		284749			9									
25 x 10 x 6				40	40 m/s			30500 rpm		10		253816			9									



Small abrasive mop

Abrasive mop



►► Continuation of KM 613, Small abrasive mop

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
25 x 10 x 6	60	40 m/s	30500 rpm	10	253591	9
25 x 10 x 6	80	40 m/s	30500 rpm	10	253592	9
25 x 10 x 6	120	40 m/s	30500 rpm	10	253593	9
25 x 15 x 6	40	40 m/s	30500 rpm	10	253817	9
25 x 15 x 6	60	40 m/s	30500 rpm	10	250985	9
25 x 15 x 6	80	40 m/s	30500 rpm	10	237496	9
25 x 15 x 6	120	40 m/s	30500 rpm	10	253606	9
25 x 15 x 6	150	40 m/s	30500 rpm	10	253607	9
25 x 15 x 6	240	40 m/s	30500 rpm	10	253608	9
30 x 5 x 3	60	40 m/s	25400 rpm	10	12781	9
30 x 5 x 3	80	40 m/s	25400 rpm	10	12782	9
30 x 5 x 3	120	40 m/s	25400 rpm	10	12784	9
30 x 5 x 6	60	40 m/s	25400 rpm	10	12790	9
30 x 5 x 6	80	40 m/s	25400 rpm	10	12791	9
30 x 5 x 6	120	40 m/s	25400 rpm	10	12793	9
30 x 5 x 6	150	40 m/s	25400 rpm	10	12794	9
30 x 5 x 6	240	40 m/s	25400 rpm	10	12796	9
30 x 10 x 3	60	40 m/s	25400 rpm	10	12808	9
30 x 10 x 3	80	40 m/s	25400 rpm	10	12809	9
30 x 10 x 3	120	40 m/s	25400 rpm	10	12811	9
30 x 10 x 3	240	40 m/s	25400 rpm	10	12814	9
30 x 10 x 6	40	40 m/s	25400 rpm	10	12816	9
30 x 10 x 6	60	40 m/s	25400 rpm	10	12817	9
30 x 10 x 6	80	40 m/s	25400 rpm	10	12818	9
30 x 10 x 6	100	40 m/s	25400 rpm	10	12819	9
30 x 10 x 6	120	40 m/s	25400 rpm	10	12820	9
30 x 10 x 6	150	40 m/s	25400 rpm	10	12821	9
30 x 10 x 6	180	40 m/s	25400 rpm	10	12822	9
30 x 10 x 6	240	40 m/s	25400 rpm	10	12823	9
30 x 10 x 6	320	40 m/s	25400 rpm	10	12824	9
30 x 15 x 6	40	40 m/s	25400 rpm	10	12843	9
30 x 15 x 6	60	40 m/s	25400 rpm	10	12844	9
30 x 15 x 6	80	40 m/s	25400 rpm	10	12845	9
30 x 15 x 6	100	40 m/s	25400 rpm	10	12846	9
30 x 15 x 6	120	40 m/s	25400 rpm	10	12847	9
30 x 15 x 6	150	40 m/s	25400 rpm	10	12848	9
30 x 15 x 6	180	40 m/s	25400 rpm	10	12849	9
30 x 15 x 6	240	40 m/s	25400 rpm	10	12850	9
30 x 15 x 6	320	40 m/s	25400 rpm	10	12851	9
40 x 10 x 6	40	40 m/s	19000 rpm	10	12870	9
40 x 10 x 6	60	40 m/s	19000 rpm	10	12871	9
40 x 10 x 6	80	40 m/s	19000 rpm	10	12872	9
40 x 10 x 6	120	40 m/s	19000 rpm	10	12874	9
40 x 15 x 6	40	40 m/s	19000 rpm	10	12906	9
40 x 15 x 6	60	40 m/s	19000 rpm	10	12907	9
40 x 15 x 6	80	40 m/s	19000 rpm	10	12908	9
40 x 15 x 6	100	40 m/s	19000 rpm	10	12909	9
40 x 15 x 6	120	40 m/s	19000 rpm	10	12910	9
40 x 15 x 6	150	40 m/s	19000 rpm	10	12911	9
40 x 15 x 6	180	40 m/s	19000 rpm	10	12912	9
40 x 15 x 6	240	40 m/s	19000 rpm	10	12913	9



Small abrasive mop

Abrasive mop

►► Continuation of KM 613, Small abrasive mop

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
40 x 15 x 6	320	40 m/s	19000 rpm	10	12914	9
40 x 20 x 6	40	40 m/s	19000 rpm	10	12942	9
40 x 20 x 6	60	40 m/s	19000 rpm	10	12943	9
40 x 20 x 6	80	40 m/s	19000 rpm	10	12944	9
40 x 20 x 6	100	40 m/s	19000 rpm	10	12945	9
40 x 20 x 6	120	40 m/s	19000 rpm	10	12946	9
40 x 20 x 6	150	40 m/s	19000 rpm	10	12947	9
40 x 20 x 6	180	40 m/s	19000 rpm	10	12948	9
40 x 20 x 6	240	40 m/s	19000 rpm	10	12949	9
40 x 20 x 6	320	40 m/s	19000 rpm	10	12950	9
50 x 5 x 6	60	40 m/s	15200 rpm	10	135235	9
50 x 5 x 6	80	40 m/s	15200 rpm	10	136451	9
50 x 5 x 6	120	40 m/s	15200 rpm	10	251778	9
50 x 10 x 6	40	40 m/s	15200 rpm	10	12960	9
50 x 10 x 6	60	40 m/s	15200 rpm	10	12961	9
50 x 10 x 6	80	40 m/s	15200 rpm	10	12962	9
50 x 10 x 6	120	40 m/s	15200 rpm	10	12964	9
50 x 10 x 6	150	40 m/s	15200 rpm	10	12965	9
50 x 10 x 6	240	40 m/s	15200 rpm	10	12967	9
50 x 15 x 6	40	40 m/s	15200 rpm	10	12978	9
50 x 15 x 6	60	40 m/s	15200 rpm	10	12979	9
50 x 15 x 6	80	40 m/s	15200 rpm	10	12980	9
50 x 15 x 6	120	40 m/s	15200 rpm	10	12982	9
50 x 15 x 6	240	40 m/s	15200 rpm	10	12985	9
50 x 20 x 6	40	40 m/s	15200 rpm	10	12996	9
50 x 20 x 6	60	40 m/s	15200 rpm	10	12997	9
50 x 20 x 6	80	40 m/s	15200 rpm	10	12998	9
50 x 20 x 6	100	40 m/s	15200 rpm	10	12999	9
50 x 20 x 6	120	40 m/s	15200 rpm	10	13000	9
50 x 20 x 6	150	40 m/s	15200 rpm	10	13001	9
50 x 20 x 6	180	40 m/s	15200 rpm	10	13002	9
50 x 20 x 6	240	40 m/s	15200 rpm	10	13003	9
50 x 20 x 6	320	40 m/s	15200 rpm	10	13004	9
50 x 30 x 6	40	40 m/s	15200 rpm	10	61282	9
50 x 30 x 6	60	40 m/s	15200 rpm	10	61299	9
50 x 30 x 6	80	40 m/s	15200 rpm	10	61319	9
50 x 30 x 6	100	40 m/s	15200 rpm	10	61333	9
50 x 30 x 6	120	40 m/s	15200 rpm	10	61350	9
50 x 30 x 6	150	40 m/s	15200 rpm	10	71015	9
50 x 30 x 6	180	40 m/s	15200 rpm	10	61371	9
50 x 30 x 6	240	40 m/s	15200 rpm	10	71017	9
50 x 30 x 6	320	40 m/s	15200 rpm	10	61389	9
60 x 15 x 6	40	40 m/s	12700 rpm	10	13014	9
60 x 15 x 6	60	40 m/s	12700 rpm	10	13015	9
60 x 15 x 6	80	40 m/s	12700 rpm	10	13016	9
60 x 15 x 6	120	40 m/s	12700 rpm	10	13018	9
60 x 15 x 6	150	40 m/s	12700 rpm	10	13019	9
60 x 15 x 6	240	40 m/s	12700 rpm	10	13021	9
60 x 20 x 6	40	40 m/s	12700 rpm	10	13032	9
60 x 20 x 6	60	40 m/s	12700 rpm	10	13033	9
60 x 20 x 6	80	40 m/s	12700 rpm	10	13034	9



Small abrasive mop

Abrasive mop



►► Continuation of KM 613, Small abrasive mop

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
60 x 20 x 6	120	40 m/s	12700 rpm	10	13036	9
60 x 20 x 6	180	40 m/s	12700 rpm	10	13038	9
60 x 20 x 6	240	40 m/s	12700 rpm	10	13039	9
60 x 30 x 6	40	40 m/s	12700 rpm	10	13050	9
60 x 30 x 6	60	40 m/s	12700 rpm	10	13051	9
60 x 30 x 6	80	40 m/s	12700 rpm	10	13052	9
60 x 30 x 6	100	40 m/s	12700 rpm	10	13053	9
60 x 30 x 6	120	40 m/s	12700 rpm	10	13054	9
60 x 30 x 6	150	40 m/s	12700 rpm	10	13055	9
60 x 30 x 6	180	40 m/s	12700 rpm	10	13056	9
60 x 30 x 6	240	40 m/s	12700 rpm	10	13057	9
60 x 30 x 6	320	40 m/s	12700 rpm	10	13058	9
60 x 40 x 6	40	40 m/s	12700 rpm	10	13068	9
60 x 40 x 6	60	40 m/s	12700 rpm	10	13069	9
60 x 40 x 6	80	40 m/s	12700 rpm	10	13070	9
60 x 40 x 6	100	40 m/s	12700 rpm	10	13071	9
60 x 40 x 6	120	40 m/s	12700 rpm	10	13072	9
60 x 40 x 6	150	40 m/s	12700 rpm	10	13073	9
60 x 40 x 6	240	40 m/s	12700 rpm	10	13075	9
60 x 50 x 6	40	32 m/s	10150 rpm	10	13086	9
60 x 50 x 6	60	32 m/s	10150 rpm	10	13087	9
60 x 50 x 6	80	32 m/s	10150 rpm	10	13088	9
60 x 50 x 6	120	32 m/s	10150 rpm	10	13090	9
60 x 50 x 6	180	32 m/s	10150 rpm	10	13092	9
80 x 15 x 6	40	40 m/s	9500 rpm	10	13104	9
80 x 15 x 6	60	40 m/s	9500 rpm	10	13105	9
80 x 15 x 6	80	40 m/s	9500 rpm	10	13106	9
80 x 15 x 6	120	40 m/s	9500 rpm	10	13108	9
80 x 15 x 6	150	40 m/s	9500 rpm	10	13109	9
80 x 15 x 6	240	40 m/s	9500 rpm	10	13111	9
80 x 20 x 6	40	40 m/s	9500 rpm	10	13122	9
80 x 20 x 6	60	40 m/s	9500 rpm	10	13123	9
80 x 20 x 6	80	40 m/s	9500 rpm	10	13124	9
80 x 20 x 6	120	40 m/s	9500 rpm	10	13126	9
80 x 30 x 6	40	40 m/s	9500 rpm	10	13140	9
80 x 30 x 6	60	40 m/s	9500 rpm	10	13141	9
80 x 30 x 6	80	40 m/s	9500 rpm	10	13142	9
80 x 30 x 6	120	40 m/s	9500 rpm	10	13144	9
80 x 30 x 6	150	40 m/s	9500 rpm	10	13145	9
80 x 30 x 6	240	40 m/s	9500 rpm	10	13147	9
80 x 30 x 6	320	40 m/s	9500 rpm	10	13148	9
80 x 40 x 6	40	40 m/s	9500 rpm	10	13158	9
80 x 40 x 6	60	40 m/s	9500 rpm	10	13159	9
80 x 40 x 6	80	40 m/s	9500 rpm	10	13160	9
80 x 40 x 6	120	40 m/s	9500 rpm	10	13162	9
80 x 50 x 6	40	32 m/s	7650 rpm	10	13176	9
80 x 50 x 6	60	32 m/s	7650 rpm	10	13177	9
80 x 50 x 6	80	32 m/s	7650 rpm	10	13178	9
80 x 50 x 6	100	32 m/s	7650 rpm	10	13179	9



Small abrasive mop

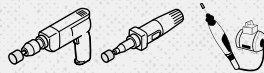
Abrasive mop

► Continuation of KM 613, Small abrasive mop

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
80 x 50 x 6	120	32 m/s	7650 rpm	10	13180	9
80 x 50 x 6	150	32 m/s	7650 rpm	10	13181	9
80 x 50 x 6	240	32 m/s	7650 rpm	10	13183	9
80 x 50 x 6	320	32 m/s	7650 rpm	10	13184	9

Small abrasive mop

KM 615



Properties

Bonding agent Resin

Grain Aluminium oxide

Applications

Stainless steel ●



Advantages: Cool grinding due to multibond - Increased removal rate on stainless steel

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 x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
30 x 10 x 6	60	40 m/s	25400 rpm	10	253615	9
30 x 10 x 6	80	40 m/s	25400 rpm	10	253620	9
30 x 10 x 6	120	40 m/s	25400 rpm	10	253610	9
40 x 20 x 6	60	40 m/s	19000 rpm	10	253616	9
40 x 20 x 6	80	40 m/s	19000 rpm	10	253621	9
40 x 20 x 6	120	40 m/s	19000 rpm	10	253611	9
50 x 20 x 6	60	40 m/s	15200 rpm	10	253617	9
60 x 30 x 6	60	40 m/s	12700 rpm	10	253618	9
60 x 30 x 6	80	40 m/s	12700 rpm	10	253623	9
80 x 40 x 6	60	40 m/s	9500 rpm	10	253619	9
80 x 40 x 6	80	40 m/s	9500 rpm	10	253624	9

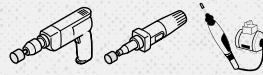
Small abrasive mop

Abrasive mop



Small abrasive mop, cup-shaped

KMT 614



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Metals	●
Wood	○
Plastic	○

Advantages: Can be used in radial and front position

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 x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
60 x 40 x 6	40	40 m/s	12700 rpm	10	13194	9
60 x 40 x 6	60	40 m/s	12700 rpm	10	13195	9



Non-woven products

About the product

Thanks to its open, elastic structure, a non-woven abrasive web is capable of applying "soft" sanding to produce surfaces with a low scratch depth that are particularly fine. Fully and evenly interspersed with abrasive grain, a non-woven abrasive web can be used to produce a uniform and reproducible scratch pattern while also delivering a long service life.

Thanks to the great many beneficial properties of the material, the importance of non-woven products in the field of surface finishing is increasing steadily, especially for the work step of "finishing stainless steel surfaces".

Carrying an extensive variety of products with differences in fibre structure, grain, grit, bond and density, Klingspor offers the right abrasive tool for every processing step - from light deburring and stock removal to cleaning and creating satin finishes to the polishing of surfaces.

			Machines											Material applications								
Work step	Type	Tool type	Angle grinder	Drilling machine	Die grinder	Flexible shaft grinder	Back stand grinding machine	Hand tool belt grinder	Right angle die grinder	Orbital sander	Satin finishing machine	Floor standing grinder	Random orbital sander	Fillet weld grinder	Hand sanding	Stainless Steel	Steel	NF metals	Varnish	Plastic	Wood	Page
Light sanding and creating satin finishes	SMT 850 plus	Combi-abrasive mop disc	●													●	○					220
	SMT 800	Non-woven mop disc	●													●	●	●				220
	SV 484	SCM non-woven web disc (universal)	●													●	●	●	○			208
	NDS 800	SCM non-woven web disc (hard, edge)	●													●	●	●	○			209
	NBS 800	SCM non-woven web belt					●									●	●	●				207
	NBF 800	SCM non-woven file belt						●								●	●	●				206
	QMC/QRC 800	SCM Quick Change Disc							●							●	●	●				211, 213
Coarse cleaning, removal of coatings	PW 2000	Power wheel		●	●	●										●	●	○	●			223
	NCD 200	Coarse cleaning disc	●													●	●	○	●			222
	NCD 200 HD	Coarse cleaning disc HD	●													●	●	○	○			222
	QRC 200 HD	Coarse cleaning QCD							●							●	●	○	○			214
Finishing and creating matt finishes	NRO 400	Non-woven web roll, aluminium oxide								●					●	●	●	●	○	○	○	204
	NRO 500	Non-woven web roll, SiC								●					●	●	○	○	●	●	○	205
	NPA 400	Non-woven hand pad, aluminium oxide								●					●	●	●	●	○	○	○	205
	NPA 500	Non-woven hand pad, SiC								●					●	●	○	○	●	●	○	206
	NFW 600 S	Non-woven finishing wheel									●					●	●	●		○		217
	NCW 600 S	Non-woven combi finishing wheel									●					●	●	●		○		217
	NFW 600	Non-woven finishing wheel										●				●	●	●		○		216
	NCW 600	Non-woven combi finishing wheel										●				●	●	●		○		216
	NDS 400 K	Non-woven self-adhesive disc											●			●	●	●	●	●	○	208
	QMC/QRC 400	Non-woven QCD							●							●	●	●	○	○		211, 212
	NFS 600	Non-woven mounted wheel		●	●	●										●	●	●		○		219
	NCS 600	Combi non-woven mounted wheel		●	●	●										●	●	●		○		218
Removal of heat tinting, pre-polishing	NUD 500	Unitised compact disc	●													●	●	●				221
	MFW 600	Unitised compact disc / wheel	●											●		●	●	●				221
	QRC 500	Unitised compact QCD							●							●	●	●				213

● = main application ○ = possible application

Non-woven products

Applications guide

Types of non-woven material

When trying to find the product that is right for your application, you will want to factor in the properties of the non-woven material.

Non-woven material is divided into four different categories:

- ▶ Soft non-woven material without fabric lining (clean and finish)
- ▶ Non-woven material with fabric lining (Surface Conditioning Material – SCM)
- ▶ Highly compacted fleece (unitised and convolute)
- ▶ Coarse cleaning fleece (clean and strip)

General benefits of non-woven materials

Wide range of applications for finishing

- ▶ The products are available with various grains and densities

Exceptionally long service life

- ▶ Continuous release of new abrasive grains
- ▶ Even finish throughout the entire service life
- ▶ No clogging thanks to open structure

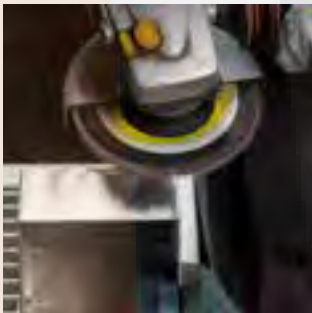
Uniform scratch pattern

- ▶ Abrasive grains are distributed evenly in the material structure
- ▶ No excessive penetration into the workpiece surface

Perfect contouring to the workpiece

- ▶ The structure of non-woven materials is exceedingly flexible
- ▶ Shape and geometry of the base material remain unchanged

Finishing processes, typical work steps



Light sanding and creating satin finishes

Light stock removal combined with an excellent finish. The right choice: Non-woven tools made of SCM non-woven material with fabric lining (e.g. belts, discs) or combinations with non-woven and coated abrasives (e.g. SMT 850).



Coarse cleaning

Removal of rust, scale and varnish as well as coatings in general and effortless removal of heat tinting. The right choice: Non-woven tools made of coarse cleaning fleece with an extra open structure, relatively strong non-woven fibres and coarse abrasive grain.



Finishing and creating matt finishes

Blending scratch patterns, cleaning surfaces and creating a final finish; no stock removal. The right choice: Tools, often including tools for off-hand sanding, made of soft, flexible non-woven material.



Removal of heat tinting and pre-polishing

Removal of heat tinting and/or creation of surfaces with a low scratch depth that are particularly fine. The right choice: Tools made of highly compacted fleece. Depending on its density and degree of fineness, the non-woven material may even allow for light stock removal or light deburring.

Non-woven nylon material in four different shapes

Non-woven material without fabric lining



NCW 600 (S)



NFW 600 (S)



NDS 400 K



QMC / QRC 400



NPA 400 / 500



NRO 400 / 500



NCS 600

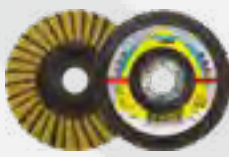


NFS 600

Non-woven material with fabric lining



SMT 800 SPECIAL



SMT 850 plus SPECIAL



NBS 800



NBF 800



SV 484



NDS 800



QMC / QRC 800

Highly compacted fleece



MFW 600



NUD 500



QRC 500

Coarse cleaning fleece



PW 2000



NCD 200



QRC 200 HD



NCD 200 HD

Non-woven products

Applications guide

Rolls and sheets

Minimum order quantities for made to order items

Format/style	Product	Width	Minimum order quantity
Rolls	NRO 400 / 500	Dimensions and quantities on request	
Sheets	NPA 400 / 500	Dimensions and quantities on request	



Grit chart

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	
						ultra fine SiC – grey
						non-abrasive – white
Aggressiveness decreasing ↓						

Belts

Minimum order quantities for made to order items

Format/style	Product	Width	Minimum order quantity
Belts	NBF 800	6 – 13 mm	20 pieces
		14 – 30 mm	10 pieces
	NBS 800	31 – 75 mm	5 pieces
		76 – 320 mm	2 pieces

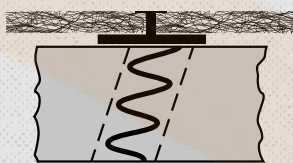
The minimum length for non-woven belts is 295 mm. We reserve the right to over-deliver or under-deliver production items.



Grit chart

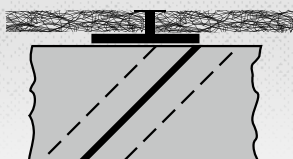
Grit	60 - 80	120 - 150	180 - 240
Grade	coarse	medium	very fine
Klingspor web belts Non-woven web belts	coarse A – brown		
		medium A – purple	
			very fine – blue

Belt joints for non-woven belts



Form 3 W

Zig-zag butt joint with fabric tape on the rear and additional joint connection on the front. Standard joint for product type NBS 800.



Form 4 W

Bevel cut, butt joint, with fabric tape on the rear and bonding on the face side. Special joint for non-woven file belts, product type NBF 800.

Quick Change Discs

Minimum order quantities for
made to order items

Format/style	Product	Diameter	Minimum order quantity
Quick Change Discs	QRC/QMC 800	38 mm	400 pieces
		50 mm	350 pieces
		76 mm	350 pieces
	QRC/QMC 400	38 mm	700 pieces
		50 mm	500 pieces
		76 mm	375 pieces



We reserve the right to over-deliver or under-deliver production items.

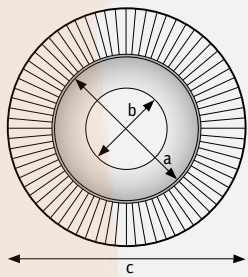
Grit chart for QRC/QMC 800

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

Abrasive mop

Minimum order quantities for made to order items

Format/style	Product	Diameter	Minimum order quantity
Mop	NFW 600 / NCW 600	100 – 165 mm	20 pieces
		200 – 300 mm	10 pieces
	NFW 600 S / NCW 600 S	100 – 110 mm	20 pieces
Small abrasive mop	NCS 600 / NFS 600	30, 40, 50, 60 mm	150 pieces
		80, 100 mm	100 pieces



- a Outer diameter side cover
- b Hole side cover
- c Outer diameter mop

Mop side cover and hole relative to the outer mop diameter*

Type	Mop wheel outer Ø [mm]	Metal side cover		Matching clamping flange SMD 612
		Outer Ø [mm]	Hole [mm]	
NCW/NFW 600	165	82	43,1	14823
	200-250	125	68,2	14824
	300	158	97,8	14826

* applies to standard versions (stock items)

Non-woven web

Rolls

Non-woven web roll

NRO 400



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●	Paint/Varnish/Filler	①
Metals	●		
Wood	●		
Plastic	①		



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	Discount group
100 x 10000	maroon	medium	1	258870	7
100 x 10000	maroon	fine	1	258872	7
100 x 10000	dark green	very fine general purpose	1	258871	7
100 x 10000	maroon	very fine	1	258873	7
115 x 10000	maroon	medium	1	258885	7
115 x 10000	maroon	fine	1	258887	7
115 x 10000	dark green	very fine general purpose	1	258886	7
115 x 10000	maroon	very fine	1	258888	7
150 x 10000	maroon	medium	1	258890	7
150 x 10000	maroon	fine	1	258892	7
150 x 10000	dark green	very fine general purpose	1	258891	7
150 x 10000	maroon	very fine	1	258893	7

Information regarding grit range see chart on page 200.

Non-woven web

Rolls / Pads



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	Discount group
100 x 10000	black	medium	1	260365	7
100 x 10000	grey	ultra fine	1	258874	7
115 x 10000	black	medium	1	260366	7
115 x 10000	grey	ultra fine	1	258889	7
150 x 10000	black	medium	1	260367	7
150 x 10000	grey	ultra fine	1	258894	7

Information regarding grit range see chart on page 200.

Non-woven web hand pad

NPA 400



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Wood	●
Paint/Varnish	●
Plastic	●

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	Discount group
152 x 229	brown	coarse	20	342852	7
152 x 229	maroon	medium	20	342855	7
152 x 229	maroon	fine	20	342856	7
152 x 229	maroon	very fine	20	342849	7
152 x 229	green	very fine heavy duty	20	342853	7
152 x 229	dark green	very fine general purpose	20	342854	7

Information regarding grit range see chart on page 200.

Non-woven web

Pads / Belts

Non-woven web hand pad

NPA 500



Properties

Bonding agent	Resin
Grain	SiC

Applications

Paint/Varnish	●
Plastic	●
Stainless steel	●
Wood	○

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	Discount group
152 x 229	black	medium	20	342857	7
152 x 229	grey	ultra fine	20	342851	7
152 x 229	white	without grain	20	342850	7

Information regarding grit range see chart on page 200.

SCM file belt

NBF 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
NF metals	●
Steel	○

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 applications

Width x Length in mm	Belt joint	Colour	Grade	Packing unit/pcs.	Cat. number	Discount group
6 x 520	F4W	brown	coarse	10	258646	7
6 x 520	F4W	maroon	medium	10	258647	7
6 x 520	F4W	blue	very fine	10	258648	7
9 x 533	F4W	brown	coarse	10	258652	7
9 x 533	F4W	maroon	medium	10	258653	7
9 x 533	F4W	blue	very fine	10	258654	7
10 x 330	F4W	brown	coarse	10	258655	7
10 x 330	F4W	maroon	medium	10	258656	7
10 x 330	F4W	blue	very fine	10	258657	7
12 x 520	F4W	brown	coarse	10	258658	7
12 x 520	F4W	maroon	medium	10	258659	7
12 x 520	F4W	blue	very fine	10	258660	7
12 x 533	F4W	brown	coarse	10	258661	7
12 x 533	F4W	maroon	medium	10	258662	7



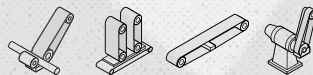
►► Continuation of NBF 800, SCM file belt

Width x Length in mm	Belt joint	Colour	Grade	Packing unit/pcs.	Cat. number	Discount group
12 x 533	F4W	blue	very fine	10	258663	7
13 x 457	F4W	brown	coarse	10	258664	7
13 x 457	F4W	maroon	medium	10	258665	7
13 x 457	F4W	blue	very fine	10	258666	7
13 x 610	F4W	brown	coarse	10	258667	7
13 x 610	F4W	maroon	medium	10	258668	7
13 x 610	F4W	blue	very fine	10	258669	7
20 x 520	F4W	brown	coarse	10	258671	7
20 x 520	F4W	maroon	medium	10	258672	7
20 x 520	F4W	blue	very fine	10	258673	7
28 x 533	F4W	brown	coarse	10	258674	7
28 x 533	F4W	maroon	medium	10	258695	7
28 x 533	F4W	blue	very fine	10	258696	7
30 x 533	F4W	brown	coarse	5	258699	7
30 x 533	F4W	maroon	medium	5	258700	7
30 x 533	F4W	blue	very fine	5	258701	7
30 x 610	F4W	maroon	medium	5	258703	7
30 x 610	F4W	blue	very fine	5	258704	7

Information regarding grit range see chart on page 201.

SCM standard belt

NBS 800



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications

Stainless steel	●
Steel	●
NF 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 applications

Width x Length in mm	Belt joint	Colour	Grade	Packing unit/pcs.	Cat. number	Discount group
30 x 800	F3W	purple	medium	5	258706	7
40 x 618	F3W	brown	coarse	5	258711	7
40 x 618	F3W	purple	medium	5	258712	7
40 x 618	F3W	blue	very fine	5	258713	7
40 x 820	F3W	brown	coarse	5	258714	7
40 x 820	F3W	purple	medium	5	258715	7
40 x 820	F3W	blue	very fine	5	258716	7
50 x 450	F3W	brown	coarse	5	258717	7
50 x 450	F3W	purple	medium	5	258718	7
75 x 2000	F3W	brown	coarse	5	258729	7
75 x 2000	F3W	purple	medium	5	258730	7
75 x 2000	F3W	blue	very fine	5	258731	7

Information regarding grit range see chart on page 201.

Non-woven web

Discs

Non-woven web disc, self-fastening

NDS 400 K



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	Discount group
150	320	maroon	very fine	20	342640	7
150	600	grey	ultra fine	20	342641	7

SCM disc

SV 484



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	SCM Non-woven web

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 centring - Also suited for backing pads without centring and fibre discs 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Bore in mm	Grit	Grade	Packing unit/pcs.	Cat. number	Discount group
115 x 22	80	coarse	10	353413	7
115 x 22	100	medium	10	353415	7
115 x 22	180	medium	10	353409	7
115 x 22	280	very fine	10	353410	7
125 x 22	80	coarse	10	353414	7
125 x 22	100	medium	10	353416	7
125 x 22	180	medium	10	353411	7
125 x 22	280	very fine	10	353412	7

Non-woven web

Discs / Backing pads



SCM disc

NDS 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	SCM Non-woven web

Applications

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

Advantages: High edge stability - Long service life - Can be used wet and dry - With expressible centre hole for easy mounting, secure hold and smooth running on backing plates with centring - Also suited for backing pads without centring 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Bore in mm	Grit	Colour	Grade	Packing unit/pcs.	Cat. number	Discount group
115 x 22	50	brown	coarse	10	320103	7
115 x 22	100	maroon	medium	10	320104	7
115 x 22	180	blue	very fine	10	320105	7
125 x 22	50	brown	coarse	10	320106	7
125 x 22	100	maroon	medium	10	320107	7
125 x 22	180	blue	very fine	10	320108	7

Backing pad for SCM discs

NDS 555



Advantages: Good adhesion for surface conditioning web discs - For medium-duty sanding and finishing applications

Diameter in mm	Thread/Shaft	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115	thread M14	13300 rpm	1	164100	14
125	thread M14	12200 rpm	1	208275	14

Non-woven web

Backing pads

Backing pad for SCM discs with centre hole

NDS 555 C



NEW !



Advantages: Easy and always centric positioning of the non-woven web discs - Good adhesion due to special self-fastening hooks - Less vibrations, stable running - No loosening of the discs, even with decreasing adhesion - Adaptable, for surfaces and light contours

Diameter in mm	Thread/Shaft	Suitable for	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115	thread M14	Diameter 115 x 22	13300 rpm	1	358126	14
125	thread M14	Diameter 125 x 22	12200 rpm	1	358127	14

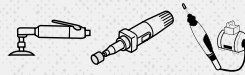
Non-woven web

Quick Change Discs



Non-woven web quick change disc

QMC 400



Properties

Bonding agent Resin	
Grain	Aluminium oxide
Backing	Non-woven web

Applications

Paint/Varnish/Filler	●
Metals	①

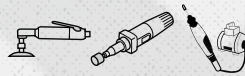
Advantages: Suitable for surface finishing work - For cleaning work on metals and painted surfaces

Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Discount group
50	maroon	medium	50	295392	7
50	maroon	fine	50	295393	7
50	maroon	very fine	50	295394	7

Backing pad see page 212 /Adapter see page 215. Information regarding grit range see chart on page 202.

SCM quick change disc

QMC 800



Properties

Bonding agent Resin	
Grain	Aluminium oxide
Backing	SCM Non-woven web

Applications

Metals	●
Paint/Varnish/Filler	①

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	Discount group
50	brown	coarse	50	295410	7
50	purple	medium	50	295411	7
50	blue	very fine	50	295412	7
76	purple	medium	25	295417	7
76	blue	very fine	25	295418	7

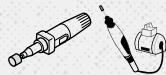
Backing pad see page 212 /Adapter see page 215. Information regarding grit range see chart on page 202.

Non-woven web

Quick Change Discs / Backing pads

Backing pad

QMC 555

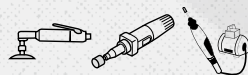


Advantages: For secure mounting of QMC discs - Optimised abrasive properties (aggressiveness, surface quality) due to three hardnesses

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
25 x 6	medium	blue	30000 rpm	1	295422	14
38 x 6	soft	grey	30000 rpm	1	300058	14
38 x 6	medium	blue	30000 rpm	1	295424	14
38 x 6	firm	red	30000 rpm	1	300059	14
50 x 6	soft	grey	30000 rpm	1	300060	14
50 x 6	medium	blue	30000 rpm	1	295426	14
50 x 6	firm	red	30000 rpm	1	295427	14
76 x 6	soft	grey	20000 rpm	1	300061	14
76 x 6	medium	blue	20000 rpm	1	295430	14
76 x 6	firm	red	20000 rpm	1	295431	14

Non-woven web quick change disc

QRC 400



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Non-woven web

Applications

Paint/Varnish/Filler	●
Metals	○

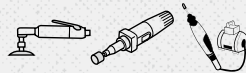
Advantages: Suitable for surface finishing work - For cleaning work on metals and painted surfaces

All sizes and minimum purchasing quantities available on request

Backing pad see page 215 /Adapter see page 215. Information regarding grit range see chart on page 202.

SCM quick change disc

QRC 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	SCM Non-woven web

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	Discount group
50	brown	coarse	50	295413	7
50	purple	medium	50	295414	7
50	blue	very fine	50	295415	7
76	brown	coarse	25	295419	7
76	purple	medium	25	295420	7

Backing pad see page 215 /Adapter see page 215. Information regarding grit range see chart on page 202.

Unitised Quick Change Discs

QRC 500

NEW !



Properties

Bonding agent	Resin
Grain	Aluminium oxide/SiC
Backing	Compressed non-woven web layers, unitised

Applications

Stainless steel	●	NF metals	●
Titanium	●	Aluminium	●
Steel	●		
High alloy steel	●		

Advantages: Very long service life - Very fine, constant and brilliant surface pattern - Versatile, depending on density and structure (removal to polishing) - Very suitable for hard-to-reach areas (e.g. inside corners) - Can be used on the face and surface - Free of metallic ingredients

Diameter in mm	Colour	Grade	Density	Packing unit/pcs.	Cat. number	Discount group
51	grey	fine	2 SF soft	10	358978	7
51	grey	fine	3 SF medium soft	10	358981	7
51	grey	fine	6 SF hard	10	358979	7
51	maroon	coarse	8 AC very hard	10	358980	7
76	grey	fine	2 SF soft	5	358982	7
76	grey	fine	3 SF medium soft	5	358985	7
76	grey	fine	6 SF hard	5	358983	7
76	maroon	coarse	8 AC very hard	5	358984	7

Backing pad see page 215 /Adapter see page 215.

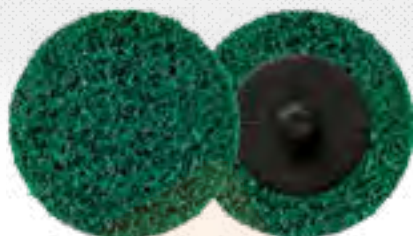
Non-woven web

Quick Change Discs

Quick Change Disc, Clean and Strip

QRC 200 HD

NEW



Properties

Bonding agent	Resin
Grain	Ceramic coated aluminium oxide
Backing	Coarse cleaning fleece

Applications

Stainless steel	●
Steel	●
NF metals	●
Paint/Varnish/Filler	●

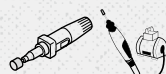
Advantages: Hard, aggressive cleaning fleece for heavy-duty use - Open structure, no clogging and cool grinding - Fast work progress and long service life - No change in workpiece geometry in metal applications - Can be used on the face and surface

Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Discount group
51	green	extra coarse	10	358993	7
76	green	extra coarse	5	358994	7

Backing pad see page 215 /Adapter see page 215.

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	Discount group
25 x 6	medium	blue	30000 rpm	1	295423	14
38 x 6	medium	blue	30000 rpm	1	295425	14
50 x 6	medium	blue	30000 rpm	1	295428	14
50 x 6	firm	red	30000 rpm	1	295429	14
76 x 6	medium	blue	20000 rpm	1	295432	14
76 x 6	firm	red	20000 rpm	1	295433	14

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

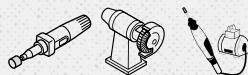
Width x Length in mm	Thread/Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
20 x 30	thread M14	80 m/s	75400 rpm	1	308693	14

Non-woven web

Abrasive mop

Non-woven combi finishing wheel

NCW 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Steel	●
NF metals	●
Plastic	○

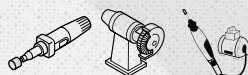
Advantages: Combination of non-woven and abrasive cloth flaps for a fine surface scratch pattern - Optimal wear properties - High removal rate - Long service life

Diameter x Width x Bore in mm	Grit	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
165 x 50 x 43,1	80	coarse	maroon	32 m/s	3700 rpm	3	258909	9
165 x 50 x 43,1	100	medium	maroon	32 m/s	3700 rpm	3	258910	9
165 x 50 x 43,1	150	medium	maroon	32 m/s	3700 rpm	3	258911	9
165 x 50 x 43,1	180	very fine	maroon	32 m/s	3700 rpm	3	258912	9
200 x 50 x 68,2	80	coarse	maroon	32 m/s	3050 rpm	2	258913	9
200 x 50 x 68,2	100	medium	maroon	32 m/s	3050 rpm	2	258914	9
200 x 50 x 68,2	150	medium	maroon	32 m/s	3050 rpm	2	258915	9

Use only with mounting plate SMD 612 (page 183)

Non-woven finishing wheel

NFW 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Steel	●
NF metals	●

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	Discount group
165 x 50 x 43,1	coarse	maroon	32 m/s	3700 rpm	3	258898	9
165 x 50 x 43,1	medium	maroon	32 m/s	3700 rpm	3	258899	9
165 x 50 x 43	very fine	maroon	32 m/s	3700 rpm	3	258900	9
200 x 50 x 68,2	coarse	maroon	32 m/s	3050 rpm	2	258901	9
200 x 50 x 68,2	medium	maroon	32 m/s	3050 rpm	2	258902	9
200 x 50 x 68,2	very fine	maroon	32 m/s	3050 rpm	2	258903	9

Use only with mounting plate SMD 612 (page 183)

Non-woven combi finishing wheel

NCW 600 S



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Steel	●
NF 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	Discount group
100 x 50 x 19	80	coarse	maroon	19 m/s	3700 rpm	3	259896	9
100 x 50 x 19	100	medium	maroon	19 m/s	3700 rpm	3	259897	9
100 x 50 x 19	150	medium	maroon	19 m/s	3700 rpm	3	259898	9
100 x 50 x 19	180	very fine	maroon	19 m/s	3700 rpm	3	259899	9
100 x 100 x 19	80	coarse	maroon	19 m/s	3700 rpm	1	258905	9
100 x 100 x 19	100	medium	maroon	19 m/s	3700 rpm	1	258906	9
100 x 100 x 19	150	medium	maroon	19 m/s	3700 rpm	1	258907	9
100 x 100 x 19	180	very fine	maroon	19 m/s	3700 rpm	1	258908	9
110 x 100 x 19	80	coarse	maroon	19 m/s	3300 rpm	1	320246	9
110 x 100 x 19	100	medium	maroon	19 m/s	3300 rpm	1	320247	9
110 x 100 x 19	150	medium	maroon	19 m/s	3300 rpm	1	320248	9

Non-woven finishing wheel

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	Discount group
100 x 50 x 19	coarse	maroon	19 m/s	3700 rpm	3	259853	9
100 x 50 x 19	medium	maroon	19 m/s	3700 rpm	3	259854	9
100 x 50 x 19	very fine	maroon	19 m/s	3700 rpm	3	259895	9
100 x 100 x 19	coarse	maroon	19 m/s	3700 rpm	1	258895	9
100 x 100 x 19	medium	maroon	19 m/s	3700 rpm	1	258896	9



Non-woven web

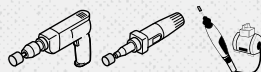
Abrasive mop

► Continuation of NFW 600 S, Non-woven finishing wheel

Diameter x Width x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 100 x 19	very fine	maroon	19 m/s	3700 rpm	1	258897	9
110 x 100 x 19	coarse	maroon	19 m/s	3300 rpm	1	320253	9
110 x 100 x 19	medium	maroon	19 m/s	3300 rpm	1	320254	9
110 x 100 x 19	very fine	maroon	19 m/s	3300 rpm	1	320255	9

Combi non-woven web spindle mop

NCS 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Stainless steel	●
Steel	●
NF 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	Discount group
50 x 30 x 6	60	coarse	maroon	32 m/s	12200 rpm	10	258932	9
50 x 30 x 6	100	medium	maroon	32 m/s	12200 rpm	10	258933	9
50 x 30 x 6	150	medium	maroon	32 m/s	12200 rpm	10	258934	9
50 x 30 x 6	240	very fine	maroon	32 m/s	12200 rpm	10	258935	9
60 x 30 x 6	60	coarse	maroon	32 m/s	10200 rpm	10	258936	9
60 x 30 x 6	100	medium	maroon	32 m/s	10200 rpm	10	258937	9
60 x 30 x 6	150	medium	maroon	32 m/s	10200 rpm	10	258938	9
60 x 30 x 6	240	very fine	maroon	32 m/s	10200 rpm	10	258939	9
60 x 50 x 6	60	coarse	maroon	32 m/s	10200 rpm	10	258940	9
60 x 50 x 6	100	medium	maroon	32 m/s	10200 rpm	10	258941	9
60 x 50 x 6	150	medium	maroon	32 m/s	10200 rpm	10	258942	9
60 x 50 x 6	240	very fine	maroon	32 m/s	10200 rpm	10	258943	9
80 x 50 x 6	60	coarse	maroon	32 m/s	7600 rpm	10	258944	9
80 x 50 x 6	100	medium	maroon	32 m/s	7600 rpm	10	258945	9
80 x 50 x 6	150	medium	maroon	32 m/s	7600 rpm	10	258946	9
80 x 50 x 6	240	very fine	maroon	32 m/s	7600 rpm	10	258947	9
100 x 50 x 6	60	coarse	maroon	32 m/s	6100 rpm	4	258948	9
100 x 50 x 6	100	medium	maroon	32 m/s	6100 rpm	4	258949	9
100 x 50 x 6	150	medium	maroon	32 m/s	6100 rpm	4	258950	9
100 x 50 x 6	240	very fine	maroon	32 m/s	6100 rpm	4	258951	9

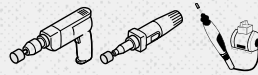
Non-woven web

Abrasive mop



Non-woven web spindle mop

NFS 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications

Steel	●
NF 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	Discount group
50 x 30 x 6	coarse	maroon	32 m/s	12200 rpm	10	258917	9
50 x 30 x 6	medium	maroon	32 m/s	12200 rpm	10	258918	9
50 x 30 x 6	very fine	maroon	32 m/s	12200 rpm	10	258919	9
60 x 30 x 6	coarse	maroon	32 m/s	10200 rpm	10	258920	9
60 x 30 x 6	medium	maroon	32 m/s	10200 rpm	10	258921	9
60 x 30 x 6	very fine	maroon	32 m/s	10200 rpm	10	258922	9
60 x 50 x 6	coarse	maroon	32 m/s	10200 rpm	10	258923	9
60 x 50 x 6	medium	maroon	32 m/s	10200 rpm	10	258924	9
60 x 50 x 6	very fine	maroon	32 m/s	10200 rpm	10	258925	9
80 x 50 x 6	coarse	maroon	32 m/s	7600 rpm	10	258926	9
80 x 50 x 6	medium	maroon	32 m/s	7600 rpm	10	258927	9
80 x 50 x 6	very fine	maroon	32 m/s	7600 rpm	10	258928	9
100 x 50 x 6	coarse	maroon	32 m/s	6000 rpm	4	258929	9
100 x 50 x 6	medium	maroon	32 m/s	6000 rpm	4	258930	9
100 x 50 x 6	very fine	maroon	32 m/s	6000 rpm	4	258931	9

Non-woven web

Abrasive mop discs

Surface conditioning mop disc

SMT 800 SPECIAL



Applications

Stainless steel	●
Steel	●

Properties

Backing plate	Glass fibre
Design	Convex 12°



Advantages: High quality surface conditioning 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	Discount group
115 x 22,23		coarse	brown	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278495	10
115 x 22,23		medium	maroon	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278496	10
115 x 22,23		very fine	green	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278497	10
125 x 22,23		coarse	brown	80 m/s	12200 rpm	42 m/s	6400 rpm	5	278498	10
125 x 22,23		medium	maroon	80 m/s	12200 rpm	42 m/s	6400 rpm	5	278499	10
125 x 22,23		very fine	green	80 m/s	12200 rpm	42 m/s	6400 rpm	5	278500	10

Combi-abrasive mop disc

SMT 850 plus SPECIAL



Applications

Stainless steel	●
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Properties

Backing plate	Glass fibre
Design	Convex 12°

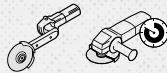


Advantages: High quality combi surface conditioning mop disc - Specially suited for machining of TIG and MIG weld seams on stainless steel components - Even finish throughout the entire service life - Stock removal and finishing in one step

Diameter x Bore in mm	Form	Grit	Grade	Colour	Max. operating speed	Max. RPM	Recommended operating speed	Recommended RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		60	coarse	brown	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312556	10
115 x 22,23		80	medium	maroon	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312557	10
115 x 22,23		120	very fine	green	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312558	10
125 x 22,23		60	coarse	brown	80 m/s	12200 rpm	42 m/s	6400 rpm	5	312559	10
125 x 22,23		80	medium	maroon	80 m/s	12200 rpm	42 m/s	6400 rpm	5	312560	10
125 x 22,23		120	very fine	green	80 m/s	12200 rpm	42 m/s	6400 rpm	5	312561	10

Unitised disc

MFW 600



Applications

Steel	●
Stainless steel	●
NF metals	●

Properties

Bonding agent Resin	
Grain	SiC
Backing	Compressed non-woven web layers, unitised

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

Diameter x Width x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
125 x 6 x 22	coarse	red	59 m/s	9000 rpm	5	342218	7
125 x 6 x 22	medium	grey	59 m/s	9000 rpm	5	342219	7
125 x 6 x 22	fine	grey	39 m/s	5900 rpm	5	342237	7
150 x 3 x 25,4	coarse	red	59 m/s	7500 rpm	10	337948	7
150 x 3 x 25,4	medium	grey	59 m/s	7500 rpm	10	337949	7
150 x 3 x 25,4	fine	grey	39 m/s	5000 rpm	10	337950	7
150 x 6 x 25,4	coarse	red	59 m/s	7500 rpm	5	337944	7
150 x 6 x 25,4	medium	grey	59 m/s	7500 rpm	5	337945	7
150 x 6 x 25,4	fine	grey	39 m/s	5000 rpm	5	337946	7
150 x 6 x 25,4	very fine	grey	39 m/s	5000 rpm	5	337947	7

Unitised disc

NUD 500



Applications

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

Properties

Bonding agent Resin	
Grain	SiC
Backing	Compressed non-woven web layers, unitised

Advantages: For cleaning and pre-polishing surfaces - For smoothing weld seams - Fewer working 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	Discount group
115 x 13 x 22,23	coarse	grey	63 m/s	10450 rpm	5800 rpm	5	337864	7
115 x 13 x 22,23	medium	grey	63 m/s	10450 rpm	5800 rpm	5	337865	7
115 x 13 x 22,23	very fine	grey	63 m/s	10450 rpm	5800 rpm	5	337866	7
125 x 13 x 22,23	coarse	grey	63 m/s	9600 rpm	5300 rpm	5	337861	7
125 x 13 x 22,23	medium	grey	63 m/s	9600 rpm	5300 rpm	5	337862	7
125 x 13 x 22,23	very fine	grey	63 m/s	9600 rpm	5300 rpm	5	337863	7

Non-woven web

Clean and strip discs

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	Discount group
115 x 22,23		63 m/s	10450 rpm	5	259043	7
125 x 22,23		63 m/s	9600 rpm	5	259044	7

Clean and strip disc, extra coarse

NCD 200 HD



NEW !



Applications

Stainless steel	●
Steel	●
NF metals	●
Paint/Varnish/Filler	●

Properties

Bonding agent	Resin
Grain	Ceramic coated aluminium oxide
Design	Flat

Advantages: Hard, aggressive non-woven version for higher loads - Open structure - No clogging - Cool grinding - Fast work progress and long service life - No change in workpiece contour

Diameter x Bore in mm	Form	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		extra coarse	green	63 m/s	10450 rpm	5	358003	9
125 x 22,23		extra coarse	green	63 m/s	9600 rpm	5	358004	9

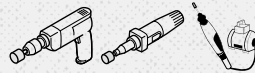
Non-woven web

Power wheel



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	Discount group
100 x 13 x 13	40 m/s	7600 rpm	10	194625	7
150 x 13 x 13	40 m/s	5000 rpm	10	194626	7
200 x 13 x 13	40 m/s	3800 rpm	10	241380	7

Fixing spindle

SD 2000



Advantages: For secure mounting on drilling machines, flexible shafts and stroke grinders - Ensures optimal true running of the grinding tool PW 2000

Shaft in mm	Suitable for	Packing unit/pcs.	Cat. number	Discount group
6	1 wheel Ø 100 - Ø 200	1	194629	14
8	1-2 wheels Ø 100 - Ø 200	1	194632	14



Abrasive mop discs

About the product

Since their market launch, the Klingspor abrasive mop disc has successfully taken the place of the grinding disc in many areas of surface finishing.

The performance of the abrasive mop disc, with its fan-shaped radial arrangement of cloth grinding flaps, far exceeds that of other abrasive products.

Klingspor abrasive mop discs are made of zirconia alumina, ceramic, or aluminium oxide coated flaps fastened to glass fibre-reinforced or plastic backing plates.

The even arrangement of the flaps guarantees high flexibility, constant high grinding performance and low vibrations.

Minimum order quantities for made to order items

Diameter	Minimum order quantities
up to 150 mm	320 pieces
180 mm	160 pieces

Type		Material								Application						Page
		Steel	Stainless steel	High alloy stainless steel	NF metals	Aluminium	Wood	Plastics	Paint / varnish / filler	Finish grinding	Welded seam work	Edge work; bevelling	Concave fillet weld work	Rust and varnish removal	Heat tinting and oxide film removal	
SMT 314 EXTRA		●			●	●	○				●	●				230
SMT 324 EXTRA		●	●	●						●						231
SMT 324 EXTRA		●	●	●							●	●				231
SMT 325 EXTRA		●	●	●						●						232
SMT 325 EXTRA		●	●	●							●	●				232
SMT 624 SUPRA		●	●	●							●	●				233
SMT 626 SUPRA		●	●	●							●	●				235
SMT 628 SUPRA		●	●	●						●						234
SMT 636 SUPRA			●	●	●	●				●						236
SMT 636 SUPRA			●	●	●	●					●	●				236
SMT 644 SUPRA		●	●	●						●						236
SMT 644 SUPRA		●	●	●							●	●				236
SMT 645 SUPRA		●	●	●						●						237
SMT 924 SPECIAL		●	●								●	●				238
SMT 925 SPECIAL		●	●	●						●						238
SMT 925 SPECIAL		●	●	●							●	●				238
SMT 926 SPECIAL		●	●	●							●	●				239
SMT 996 SPECIAL			●	●						●						240
SMT 996 SPECIAL			●	●							●	●				240

● = main application ○ = possible application

Abrasive mop discs

Applications guide

1. Red bar

Label indicates the max. peripheral speed of 80 m/s

2. Safety recommendations

oSa label

3. Dimensions

Product dimensions in mm and inches

4. Punch ring

Manufacturer information, no expiry date

5. Grit size

6. Cat. number

7. Safety recommendations

Language neutral pictograms

8. Product group

Extra/Supra/Special

9. Product name

Type



Product groups

Klingspor offers three integrated product groups. For each user and application we offer the right abrasive mop disc. All abrasive mop discs are manufactured according to the applicable standards and guarantee the highest degree of safety.



EXTRA

Ideal price-performance ratio for universal implementation. Excellent grinding results on different steel materials.



SUPRA

Professional products with excellent service life and high stock removal rate. Aggressive grinding and long service life.



SPECIAL

High performance products for special industrial and trade applications. High performance and service life even when used intensively.

Product structure

The three abrasive mop disc components are perfectly integrated to achieve maximum performance.

1. Grinding flaps

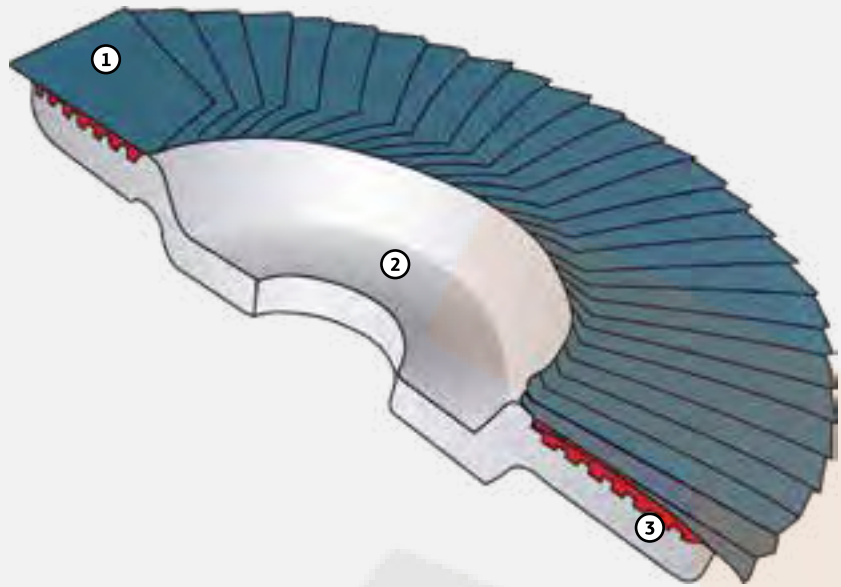
Klingspor has developed special coated abrasives for its abrasive mop discs. The grinding tool is perfect for use with high speed angle grinders (80 m/s) and corresponding applications. This ensures top grinding performance and long service life.

2. Backing plate

Klingspor uses two different backing plate types to produce abrasive mop discs. The first one is the most popular on the market made of glass fibre; the second one is made of plastic.

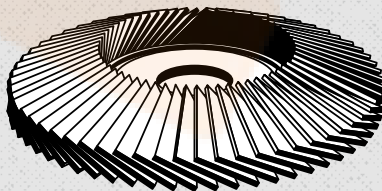
3. Glue

The glue (adhesive) is the joint between the backing plate and the grinding flaps. It ensures that the grinding flaps cannot come off the backing plate if used properly. It also ensures safety far above the guidelines of the oSa directives and the EN 13743 safety standard.

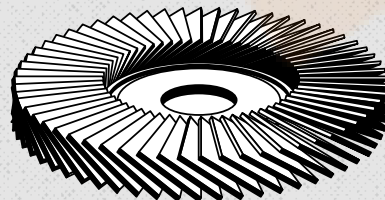


Form

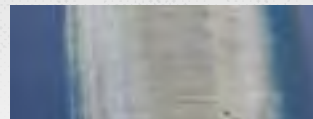
The convex abrasive mop disc grinds a narrower surface than the flat abrasive mop disc. The more selective use of the convex disc achieves a greater stock removal rate per time unit as compared to the flat mop disc. The convex abrasive mop disc is particularly suited to working on edges and welded seams. The flat disc is primarily used for flat and surface grinding.



convex



flat

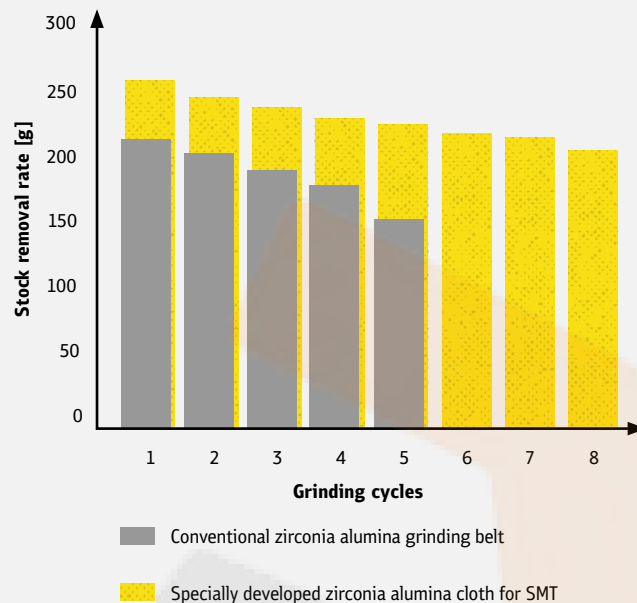


Abrasive mop discs

Applications guide

Coated abrasives

Compared to belt applications the coated abrasives for abrasive mop discs withstand much higher loads. On the one hand, the cutting speed of abrasive mop discs is approximately 2 to 2.5 times faster than the cutting rate of a belt application, on the other hand the backing must wear down to ensure that new, unused grit is used. Klingspor has developed special coated abrasives specifically for this product group. These are developed specifically for high powered angle grinders (80 m/s) and ensures a top grinding performance and long service life (see diagram).



1. Zirconia alumina cloth

Zirconia alumina grit, heavy cotton polyester cloth, best performance with high power machines

2. Zirconia alumina cloth

Aggressive zirconia alumina grit, cotton cloth, good stock removal with angle grinders of all performance classes

3. Zirconia alumina + Multibond

Self-sharpening zirconia alumina grit, cotton backing, especially for cool grinding on stainless steel

4. Aluminium oxide cloth

Durable grit aluminium oxide, cotton cloth, for use with metal and NF-metals

5. Ceramic aluminium oxide + Multibond

Ceramic high performance grit, robust polyester backing high performance for stainless steel work, cool grinding on stainless steel surfaces

6. Ceramic aluminium oxide

Ceramic high performance grit, robust polyester backing, high performance for steel work



The safe use of Klingspor abrasives

Klingspor abrasive mop discs are manufactured according to the oSa and EN13743 standards, this ensures the highest level of user safety.



Wear safety goggles or glasses to protect the eyes



Wear a dust mask



Use ear protectors



Correctly mounted



Wear safety gloves to protect hands



Observe safety instructions



Do not use for wet grinding



Incorrectly mounted

Abrasive mop discs

SMT programme



		Steel / NF metals	Steel / INOX		Service life		Stainless Steel
		Aggression	Aggression				Aggression
SPECIAL	Type:		SMT 924		SMT 925	SMT 926	SMT 996
							
	Aggression:		■■■■■■■		■■■■■■■	■■■■■■■□	■■■■■■■
	Service life:		■■■■■■■		■■■■■■■□	■■■■■■■	■■■■■■■□
	Backing plate:		Glass fibre		Plastic	Glass fibre	Glass fibre
	Form:		convex (6°)		convex (12°) / flat	convex (6°)	convex (6°) / flat
SUPRA	Type:		SMT 644				
							
	Aggression:		■■■■■■■□				
	Service life:		■■■■■■■□				
	Backing plate:		Glass fibre				
	Form:		convex (12°) / flat				
	Type:		SMT 624	SMT 628		SMT 626	SMT 636
							
	Aggression:		■■■■■■■□	■■■■■■■□		■■■■■■■□	■■■■■■■□
	Service life:		■■■■■■■□□	■■■■■■■□□		■■■■■■■□	■■■■■■■□□
	Backing plate:		Glass fibre	Glass fibre		Glass fibre	Glass fibre
	Form:		convex (12°)	flat		convex (6°)	convex (6°) / flat
EXTRA	Type:	SMT 314	SMT 324		SMT 325		
							
	Aggression:	■■■■■□□□	■■■■■□□□		■■■■■□□□		
	Service life:	■■■■■□□□	■■■■■□□□		■■■■■□□□		
	Backing plate:	Glass fibre	Glass fibre		Plastic		
	Form:	convex (12°)	convex (12°) / flat		convex (12°) / flat		

Abrasive mop discs

Abrasive mop disc

SMT 314

EXTRA



Class	EXTRA
Aggression	■■■■■□□□
Service life	■■■■■□□□

Applications	
Steel	●
NF metals	●
Wood	●



Properties	
Grain	Aluminium oxide
Backing plate	Glass fibre
Design	Convex 12°

Advantages: Good stock removal rate on unalloyed steels - Also suitable for non-ferrous metals - Good removal rate on angle grinders of all performance classes

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 x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		36	80 m/s	13300 rpm	10	322808	10
115 x 22,23		40	80 m/s	13300 rpm	10	322809	10
115 x 22,23		60	80 m/s	13300 rpm	10	322811	10
115 x 22,23		80	80 m/s	13300 rpm	10	322812	10
115 x 22,23		120	80 m/s	13300 rpm	10	322813	10
125 x 22,23		36	80 m/s	12200 rpm	10	322814	10
125 x 22,23		40	80 m/s	12200 rpm	10	322815	10
125 x 22,23		60	80 m/s	12200 rpm	10	322817	10
125 x 22,23		80	80 m/s	12200 rpm	10	322818	10
125 x 22,23		120	80 m/s	12200 rpm	10	322819	10
180 x 22,23		40	80 m/s	8500 rpm	10	322821	10
180 x 22,23		60	80 m/s	8500 rpm	10	322822	10
180 x 22,23		80	80 m/s	8500 rpm	10	322823	10

Abrasive mop disc

SMT 324 EXTRA



Class	EXTRA
Aggression	■■■■■□□
Service life	■■■■■□□

Applications	
Stainless steel	●
Steel	●



Properties	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 12°, flat

Advantages: Universal product for edges and surface work on steel and stainless steel - Good removal rate on angle grinders of all performance classes - No glazing, also under low grinding pressure

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 x Bore in mm		Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group																
115 x 22,23			40	80 m/s	13300 rpm	10	321509	10																
115 x 22,23			60	80 m/s	13300 rpm	10	321511	10																
115 x 22,23			80	80 m/s	13300 rpm	10	321513	10																
115 x 22,23			40	80 m/s	13300 rpm	10	321645	10																
115 x 22,23			60	80 m/s	13300 rpm	10	321647	10																
115 x 22,23			80	80 m/s	13300 rpm	10	321649	10																
125 x 22,23			40	80 m/s	12200 rpm	10	321510	10																
125 x 22,23			60	80 m/s	12200 rpm	10	321512	10																
125 x 22,23			80	80 m/s	12200 rpm	10	321514	10																
125 x 22,23			40	80 m/s	12200 rpm	10	321646	10																
125 x 22,23			60	80 m/s	12200 rpm	10	321648	10																
125 x 22,23			80	80 m/s	12200 rpm	10	321650	10																

Abrasive mop discs

Abrasive mop disc

SMT 325 EXTRA



Class	EXTRA
Aggression	■■■■■□□
Service life	■■■■■□□



Applications	
Stainless steel	●
Steel	●

XLOCK !

Properties	
Grain	Zirconia alumina
Backing plate	Plastic, glass fibre reinforced
Design	Convex 12°, flat

Advantages: Universal product for edges and surface work on steel and stainless steel - Good removal rate on angle grinders of all performance classes - No glazing, also under low grinding pressure

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 x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	321659	10
115 x 22,23		60	80 m/s	13300 rpm	10	321661	10
115 x 22,23		80	80 m/s	13300 rpm	10	321663	10
115 x 22,23		40	80 m/s	13300 rpm	10	321653	10
115 x 22,23		60	80 m/s	13300 rpm	10	321655	10
115 x 22,23		80	80 m/s	13300 rpm	10	321657	10
115 x 22,23 X-LOCK		40	80 m/s	13300 rpm	10	351281	10
115 x 22,23 X-LOCK		60	80 m/s	13300 rpm	10	351280	10
115 x 22,23 X-LOCK		80	80 m/s	13300 rpm	10	351279	10
125 x 22,23		40	80 m/s	12200 rpm	10	321660	10
125 x 22,23		60	80 m/s	12200 rpm	10	321662	10
125 x 22,23		80	80 m/s	12200 rpm	10	321664	10
125 x 22,23		40	80 m/s	12200 rpm	10	321654	10
125 x 22,23		60	80 m/s	12200 rpm	10	321656	10
125 x 22,23		80	80 m/s	12200 rpm	10	321658	10
125 x 22,23 X-LOCK		40	80 m/s	12200 rpm	10	351278	10
125 x 22,23 X-LOCK		60	80 m/s	12200 rpm	10	351277	10
125 x 22,23 X-LOCK		80	80 m/s	12200 rpm	10	351276	10

Abrasive mop disc

SMT 624

SUPRA



Class	SUPRA
Aggression	■■■■■□
Service life	■■■■■□

Applications	
Stainless steel	●
Steel	●



Properties	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 12°

Advantages: Aggressive stock removal rate and comfortable grinding behaviour - For universal use in demanding grinding work on steel and stainless steel - Optimal removal rate when used on high power angle grinders

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 x Bore in mm		Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Discount group												
100 x 16			36	80 m/s		15300 rpm		10		322758		10												
100 x 16			40	80 m/s		15300 rpm		10		322759		10												
100 x 16			60	80 m/s		15300 rpm		10		322760		10												
100 x 16			80	80 m/s		15300 rpm		10		322761		10												
100 x 16			120	80 m/s		15300 rpm		10		322762		10												
115 x 22,23			36	80 m/s		13300 rpm		10		322764		10												
115 x 22,23			40	80 m/s		13300 rpm		10		322765		10												
115 x 22,23			50	80 m/s		13300 rpm		10		322766		10												
115 x 22,23			60	80 m/s		13300 rpm		10		322767		10												
115 x 22,23			80	80 m/s		13300 rpm		10		322768		10												
115 x 22,23			120	80 m/s		13300 rpm		10		322769		10												
125 x 22,23			36	80 m/s		12200 rpm		10		322771		10												
125 x 22,23			40	80 m/s		12200 rpm		10		322772		10												
125 x 22,23			50	80 m/s		12200 rpm		10		322773		10												
125 x 22,23			60	80 m/s		12200 rpm		10		322774		10												
125 x 22,23			80	80 m/s		12200 rpm		10		322775		10												
125 x 22,23			120	80 m/s		12200 rpm		10		322776		10												
150 x 22,23			40	80 m/s		10200 rpm		10		322778		10												
150 x 22,23			60	80 m/s		10200 rpm		10		322779		10												
150 x 22,23			80	80 m/s		10200 rpm		10		322780		10												
180 x 22,23			36	80 m/s		8500 rpm		10		322782		10												
180 x 22,23			40	80 m/s		8500 rpm		10		322783		10												
180 x 22,23			60	80 m/s		8500 rpm		10		322785		10												
180 x 22,23			80	80 m/s		8500 rpm		10		322786		10												
180 x 22,23			120	80 m/s		8500 rpm		10		322787		10												

Abrasive mop discs

Abrasive mop disc

SMT 628

SUPRA



Class	SUPRA
Aggression	■■■■■□
Service life	■■■■■□

Applications	
Stainless steel	●
Steel	●



Properties	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Flat

Advantages: Especially suitable for surface grinding of steel and stainless steel - Optimal removal rate when used on high power angle grinders - Aggressive stock removal rate and comfortable grinding behaviour

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 x Bore in mm		Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number				Discount group										
115 x 22,23			36	80 m/s		13300 rpm		10		322789				10										
115 x 22,23			40	80 m/s		13300 rpm		10		322790				10										
115 x 22,23			60	80 m/s		13300 rpm		10		322792				10										
115 x 22,23			80	80 m/s		13300 rpm		10		322793				10										
115 x 22,23			120	80 m/s		13300 rpm		10		322794				10										
125 x 22,23			36	80 m/s		12200 rpm		10		322795				10										
125 x 22,23			40	80 m/s		12200 rpm		10		322796				10										
125 x 22,23			60	80 m/s		12200 rpm		10		322798				10										
125 x 22,23			80	80 m/s		12200 rpm		10		322799				10										
125 x 22,23			120	80 m/s		12200 rpm		10		322800				10										
180 x 22,23			36	80 m/s		8500 rpm		10		322802				10										
180 x 22,23			40	80 m/s		8500 rpm		10		322803				10										
180 x 22,23			60	80 m/s		8500 rpm		10		322805				10										
180 x 22,23			80	80 m/s		8500 rpm		10		322806				10										

Abrasive mop disc

SMT 626 SUPRA



Class	SUPRA
Aggression	■■■■■□
Service life	■■■■■□

Applications	
Stainless steel	●
Steel	●



Properties	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 6°

Advantages: High material removal rates - Considerably longer service life due to unique flap angle

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 x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		36	80 m/s	13300 rpm	10	321686	10
115 x 22,23		40	80 m/s	13300 rpm	10	321689	10
115 x 22,23		50	80 m/s	13300 rpm	10	321692	10
115 x 22,23		60	80 m/s	13300 rpm	10	321694	10
115 x 22,23		80	80 m/s	13300 rpm	10	321697	10
115 x 22,23		120	80 m/s	13300 rpm	10	321683	10
125 x 22,23		36	80 m/s	12200 rpm	10	321687	10
125 x 22,23		40	80 m/s	12200 rpm	10	321690	10
125 x 22,23		50	80 m/s	12200 rpm	10	321693	10
125 x 22,23		60	80 m/s	12200 rpm	10	321695	10
125 x 22,23		80	80 m/s	12200 rpm	10	321698	10
125 x 22,23		120	80 m/s	12200 rpm	10	321684	10
180 x 22,23		36	80 m/s	8500 rpm	10	321688	10
180 x 22,23		40	80 m/s	8500 rpm	10	321691	10
180 x 22,23		60	80 m/s	8500 rpm	10	321696	10
180 x 22,23		80	80 m/s	8500 rpm	10	321699	10

Abrasive mop discs

Abrasive mop disc, multibond

SMT 636 SUPRA



Class	SUPRA
Aggression	■■■■■□
Service life	■■■■■□

Applications	Stainless steel ●
---------------------	-------------------



Properties	
Grain	Zirconia alumina multibond
Backing plate	Glass fibre
Design	Convex 6°, flat

Advantages: Special product for use on stainless steel - Cool grinding due to multibond - Suitable for use on edges and surfaces - No glazing or clogging

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 x Bore in mm		Form		Grit		Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Discount group	
115 x 22,23						40		80 m/s		13300 rpm		10		322826								10															
115 x 22,23						60		80 m/s		13300 rpm		10		322827								10															
115 x 22,23						80		80 m/s		13300 rpm		10		322828								10															
125 x 22,23						40		80 m/s		12200 rpm		10		322831								10															
125 x 22,23						60		80 m/s		12200 rpm		10		322832								10															
125 x 22,23						80		80 m/s		12200 rpm		10		322833								10															
180 x 22,23						40		80 m/s		8500 rpm		10		322836								10															

Abrasive mop disc

SMT 644 SUPRA



Class	SUPRA
Aggression	■■■■■□
Service life	■■■■■□

Applications	Steel ● Stainless steel ●
---------------------	------------------------------



Properties	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 12°, flat

Advantages: Long service life when used on extremely steep edges - Constant stock removal level even when used on surfaces - No glazing or clogging, even at low machine output or low grinding pressure (<1000W)

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 x Bore in mm		Form		Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Discount group												
115 x 22,23				40	80 m/s		13300 rpm		10		329993		10												
115 x 22,23				60	80 m/s		13300 rpm		10		329994				10										
115 x 22,23				80	80 m/s		13300 rpm		10		329995		10												
115 x 22,23				40	80 m/s		13300 rpm		10		329989				10										
115 x 22,23				60	80 m/s		13300 rpm		10		329990		10												
115 x 22,23				80	80 m/s		13300 rpm		10		329991				10										



► Continuation of SMT 644, Abrasive mop disc

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
125 x 22,23		40	80 m/s	12200 rpm	10	330005	10
125 x 22,23		60	80 m/s	12200 rpm	10	330006	10
125 x 22,23		80	80 m/s	12200 rpm	10	330007	10
125 x 22,23		120	80 m/s	12200 rpm	10	330008	10
125 x 22,23		40	80 m/s	12200 rpm	10	329997	10
125 x 22,23		60	80 m/s	12200 rpm	10	330002	10
125 x 22,23		80	80 m/s	12200 rpm	10	330003	10

Abrasive mop disc

SMT 645 SUPRA



Class	SUPRA
Aggression	■■■■■□
Service life	■■■■■

Applications	
Stainless steel	●
Steel	●



Properties	
Grain	Zirconia alumina
Backing plate	Plastic, glass fibre reinforced
Design	Flat

Advantages: High edge stability - Very good removal rate also on low power angle grinders - Long service life due to double grinding flap

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 x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	278590	10
115 x 22,23		60	80 m/s	13300 rpm	10	278591	10
115 x 22,23		80	80 m/s	13300 rpm	10	278592	10

Abrasive mop discs

Abrasive mop disc

SMT 924 SPECIAL



Class	SPECIAL
Aggression	■■■■■■■■
Service life	■■■■■■■■

Applications	
Stainless steel	●
Steel	●



Properties	
Grain	Ceramic aluminium oxide
Backing plate	Glass fibre
Design	Convex 6°

Advantages: Highly aggressive abrasive performance for demanding work on edges - High edge stability - Optimal removal rate when used on high power angle grinders under increased grinding pressure

Available grits:

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	322862	10
115 x 22,23		60	80 m/s	13300 rpm	10	322863	10
115 x 22,23		80	80 m/s	13300 rpm	10	322864	10
125 x 22,23		40	80 m/s	12200 rpm	10	322867	10
125 x 22,23		60	80 m/s	12200 rpm	10	322868	10
125 x 22,23		80	80 m/s	12200 rpm	10	322869	10

Abrasive mop disc

SMT 925 SPECIAL



Class	SPECIAL
Aggression	■■■■■■■■
Service life	■■■■■■■□

Applications	
Stainless steel	●
Steel	●



Properties	
Grain	Zirconia alumina
Backing plate	Plastic, glass fibre reinforced
Design	Convex 12°, flat

Advantages: Significantly higher abrasive performance and service life - Optimal removal rate when used on high power angle grinders under increased grinding pressure - High removal rate and long service life

Available grits:

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	321714	10
115 x 22,23		60	80 m/s	13300 rpm	10	321715	10
115 x 22,23		36	80 m/s	13300 rpm	10	321668	10
115 x 22,23		40	80 m/s	13300 rpm	10	321670	10
115 x 22,23		60	80 m/s	13300 rpm	10	321674	10
115 x 22,23		80	80 m/s	13300 rpm	10	321677	10
125 x 22,23		40	80 m/s	12200 rpm	10	321719	10



►► Continuation of SMT 925, Abrasive mop disc

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
125 x 22,23		60	80 m/s	12200 rpm	10	321720	10
125 x 22,23		80	80 m/s	12200 rpm	10	321721	10
125 x 22,23		40	80 m/s	12200 rpm	10	321671	10
125 x 22,23		60	80 m/s	12200 rpm	10	321675	10
125 x 22,23		80	80 m/s	12200 rpm	10	321678	10
180 x 22,23		24	80 m/s	8500 rpm	5	321667	10
180 x 22,23		36	80 m/s	8500 rpm	5	321669	10
180 x 22,23		40	80 m/s	8500 rpm	5	321672	10
180 x 22,23		60	80 m/s	8500 rpm	5	321676	10

Abrasive mop disc

SMT 926 SPECIAL



Class	SPECIAL
Aggression	■■■■■□
Service life	■■■■■

Applications
Stainless steel ●
Steel ●



Properties	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 6°

Advantages: Maximum removal rate and service life - Especially suitable for rough work on steel and stainless steel - Optimal removal rate when used on high power angle grinders under increased grinding pressure

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 x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	321703	10
115 x 22,23		60	80 m/s	13300 rpm	10	321706	10
115 x 22,23		80	80 m/s	13300 rpm	10	321708	10
125 x 22,23		40	80 m/s	12200 rpm	10	321704	10
125 x 22,23		60	80 m/s	12200 rpm	10	321707	10
125 x 22,23		80	80 m/s	12200 rpm	10	321709	10
180 x 22,23		40	80 m/s	8500 rpm	10	321705	10

Abrasive mop discs

Abrasive mop disc, multibond

SMT 996

SPECIAL



Class	SPECIAL
Aggression	■■■■■■■■■
Service life	■■■■■■■□

Applications	
Stainless steel	●



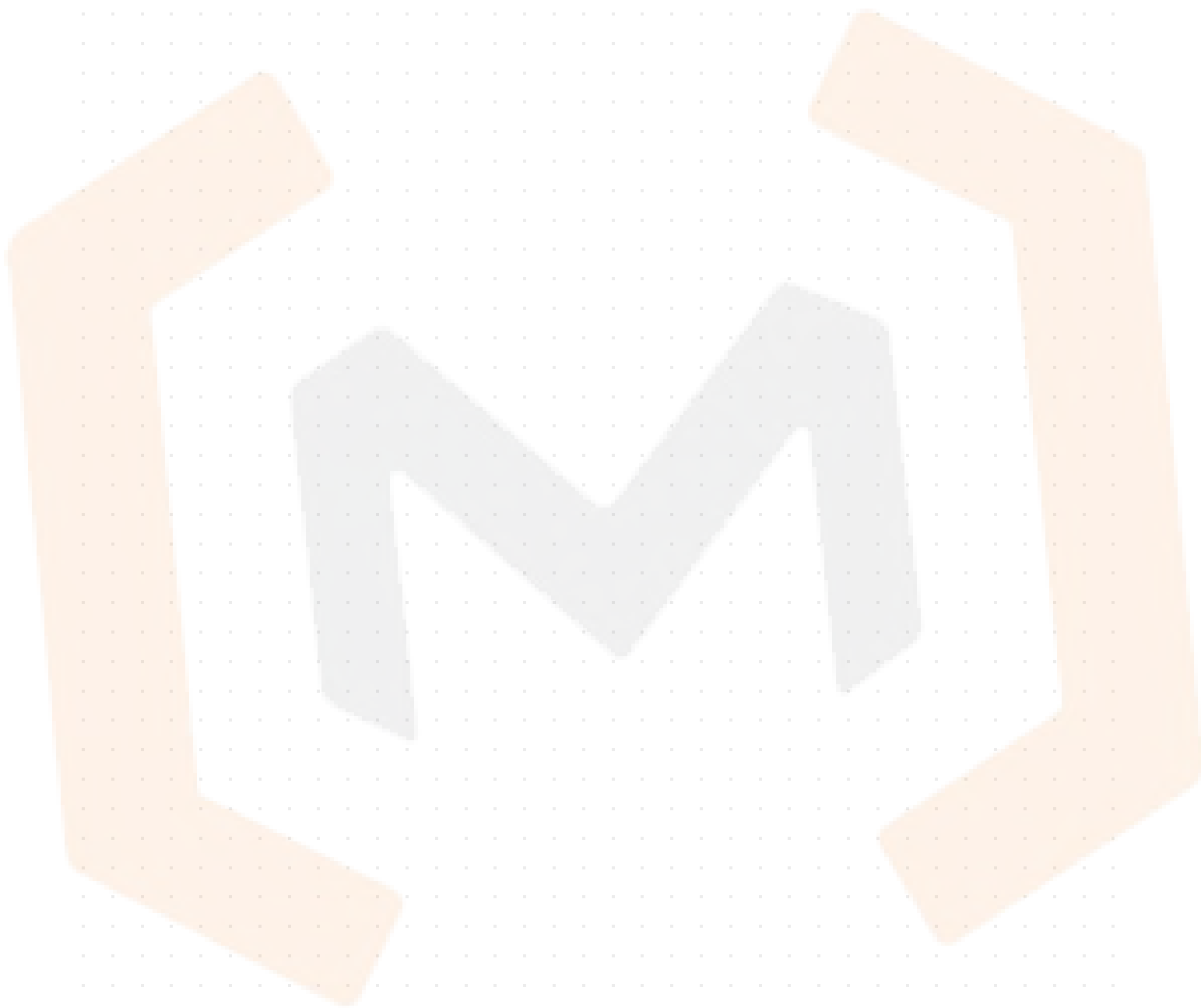
Properties	
Grain	Ceramic aluminium oxide multibond
Backing plate	Glass fibre
Design	Convex 6°, flat

Advantages: Aggressive abrasive performance with little expenditure of energy - High edge stability - Cool grinding due to multibond - Optimal removal rate when used on high power angle grinders under increased grinding pressure

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 x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	322849	10
115 x 22,23		60	80 m/s	13300 rpm	10	322850	10
115 x 22,23		80	80 m/s	13300 rpm	10	322851	10
125 x 22,23		40	80 m/s	12200 rpm	10	322852	10
125 x 22,23		60	80 m/s	12200 rpm	10	322853	10
125 x 22,23		80	80 m/s	12200 rpm	10	322854	10







Kronenflex® cutting-off wheels and grinding discs

About the product

As the inventor of the high speed cutting-off wheel, it is only natural that we strive to continually develop and improve our Kronenflex® products.

Kronenflex® cutting-off wheels and grinding discs feature an optimal combination of bonding agent and grain type for high aggressiveness, outstanding service life and consistently high quality. They comply with the highest safety standards, including the oSa regulations and the European safety standard EN 12413.

As a result of continuous innovations and the development of special products for diverse requirements, our Kronenflex® products offer the optimal solution for all standard materials and applications.

Typical materials for these products

- ▶ Steel
- ▶ Stainless steel
- ▶ Construction steel
- ▶ NF metals
- ▶ Cast materials
- ▶ Stone
- ▶ Plastics
- ▶ Mineral materials
- ▶ Pipes
- ▶ Flat irons
- ▶ Tins
- ▶ Solid materials

Typical applications for these products

- ▶ Bodywork
- ▶ Maintenance and repair work
- ▶ Locksmiths
- ▶ Steelwork
- ▶ Plant construction
- ▶ Container construction
- ▶ Upkeep
- ▶ Metal works
- ▶ Vehicle construction
- ▶ Foundries
- ▶ Shipyards

Kronenflex® cutting-off wheels

Kronenflex® cutting-off wheels	Page
0,8–1,2 mm	252
Small cutting-off wheels	259
1,6–1,9 mm	260
2,0–3,2 mm	264
Large cutting-off wheels	272

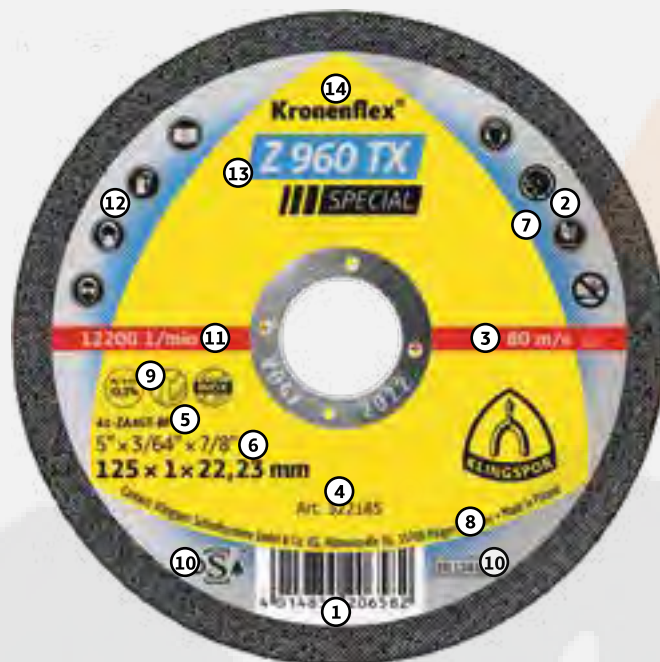
Kronenflex® grinding discs

Kronenflex® grinding discs	Page
Grinding discs	282

Kronenflex® cutting-off wheels and grinding discs

Application guides

1. EAN code (EAN 13)
2. Safety pictograms
3. Max. operating speed
4. Klingspor cat. number
5. Specification of design, grade and bond according to EN 12413
6. Dimensions in mm and inches
7. Applications (see colour coding system)



8. Information about the manufacturer
9. Operating restrictions
10. Safety standard (oSa / EN 12413)
11. Max. RPM
12. Safety pictograms
13. Product group / type
14. Klingspor brand Kronenflex®

Performance classes

Kronenflex® cutting-off wheels and grinding discs come in three performance classes with six colour codes for a quick overview of the most important material applications.



EXTRA

Products for universal application, offering a particularly attractive price-performance ratio.



SUPRA

Optimised products for different applications. Excellent service life and cutting performance.



SPECIAL

High performance products for special applications. Highest service life and cutting performance in the respective material application area.

Kronenflex® cutting-off wheels and grinding discs

Application guides



1. Label and cover sheet

The label includes all of the important information on the product, manufacturer and information on the proper use of the grinding tool

2. Mixture

The grit: Today all grit types are only produced synthetically. Only grit produced synthetically can ensure continuously high wear and cutting disc quality.

Resins and fillers: Additional, important components for cutting and grinding discs are resins, (in liquid and dry form), and fillers. These components are key in determining the disc properties, such as stability, stock removal rate, sheer strength and can be adjusted to meet the needs of the specific application.



3. Metal ring

Provides information on the expiry date of the disc.

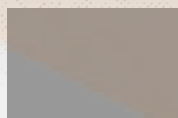
4. Glass fibre

Glass fibre is a reinforcing layer to ensure stability and increases the safety of the cutting-off wheel. The number and strength of the glass fibre layers is dependent upon the disc type and application. The higher the potential lateral load on a cutting-off wheel (it is greater during free cutting than during stationary cutting), the more glass fibre that the cutting disc must contain, or the contained glass fibre must be more stable. Particularly thin material is used for thin cutting discs, (0.8 mm to 1.0 mm), to ensure that a large grit ratio is achieved between the layers. Grinding discs are constructed with at least 3 glass fibre layers.

Klingspor cutting-off wheel and grinding disc colour coding system

Metal universal

Grey



Stainless steel

Blue



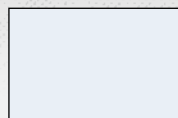
Steel

Black



Aluminium

Silver



Castings

Red



Stone/ concrete

Green



Pictograms on the product pages



One glass fibre cloth



Two glass fibre cloths



Free of iron, sulphur and chloride



Packaged in units of 25 pcs each in the Kronenflex® tub for consistently high performance and protection from moisture

Kronenflex® cutting-off wheels and grinding discs

Application guides



Quarter	
V 01	January-March
V 04	April-June
V 07	July-September
V 10	October-December

Safety and storage

The shelf life of cutting-off wheels and grinding discs is primarily determined by their moisture content. Cutting-off wheels and grinding discs that are subjected to increased humidity after they were manufactured lose their original service life. Correct storage ensures a consistent long service life. Cutting-off wheels and grinding discs that are subjected to water or steam are a safety risk. The user is obligated to use the product correctly. Cutting-off wheels and grinding discs should not be used past the expiry date.

Working safely

By being careful and recognising risks

Please avoid the risks listed below when working with cutting-off wheels and grinding discs.

- contact with rotating abrasive discs
- abrasive disc breakage
- grinding dust and debris
- vibration
- noise

Through personal protective gear

Goggles, gloves, ear muffs and dust masks must be worn. When working on hard grinding applications additional protective gear is required, such as face protection, leather aprons and safety boots.

With protective machine guards

Machine guards are supplied with the grinding machine and may not be changed or removed. When using cup grinding wheels the outer surface must be completely enclosed.

In addition, cup grinding wheels may only be used in combination with an adjustable wheel guard, to balance the wear on the disc and to keep the exposure of the disc at a minimum.

Through visual inspection and performance of checks prior to mounting

Ensure the disc RPM matches the machine RPM setting and avoid exceeding the maximum admissible operating speed. Carefully check the cutting-off wheel and grinding disc for damage. If the cutting-off wheel or grinding disc is damaged, do not use the damaged product. Our cutting-off wheels and grinding discs are marked with the corresponding safety pictograms.

Through correct use

Ensure that the respective disc is being used correctly. Avoid damage to the mounting bore or to the disc through jerks, excessive force, or falls. Ensure that the disc is correctly and securely mounted and use the correct mounting flange. Prior to starting work, the abrasive disc should run at operating speed for at least 30 seconds. Please observe the FEPA safety regulations and the European Standard 12413.

The peripheral speed and grinding pressure are important parameters for achieving optimal cutting-off and grinding disc results.

The optimal speed

Too low

If the RPM of the machine is too low, the cutting-off wheel and grinding disc tend to “jump”, and the disc edges wear down unevenly. Particularly with thin material cross sections, such as cutting tin or wire, this causes the grit to be separated from the bond and the disc wear speed is above average.

Optimal

Klingspor cutting-off wheels and grinding discs are high performance products and were developed such that best disc performance (measured by the stock removal volume to disc wear ratio) is achieved in the range right below the maximum peripheral speed. Keep the machine running at a consistently high RPM and, if needed, select a more powerful machine.

Too high

The maximum RPM and peripheral speed is printed on the label of each disc. For your own safety, please be sure not to exceed the recommended speeds when grinding.

The correct grinding pressure

An important requirement for a satisfactory cutting result is the correct grinding pressure. A common mistake is to reduce the grinding pressure to preserve the disc and extend the cutting life of the wheel. If this is done, the material overheats (turns blue); the cutting-off wheel becomes clogged and “burns up”. This is why the grinding pressure should always be set such that the cutting time is as short as possible. This is particularly true for heat sensitive material with large material cross sections.

The proper hardness

Cutting-off wheels

Generally, the rule of thumb when selecting the correct cutting-off wheel is the harder the material, the softer the abrasive bond. The reason being the service life of a cutting-off wheel is dependent on whether the cutting surface of the workpiece hardens or not. Overheating results in the disc “glazing” and the cutting properties are negatively affected. In this case, the hardness of the bond should be decreased and a softer cutting-off wheel should be used.

Grinding discs

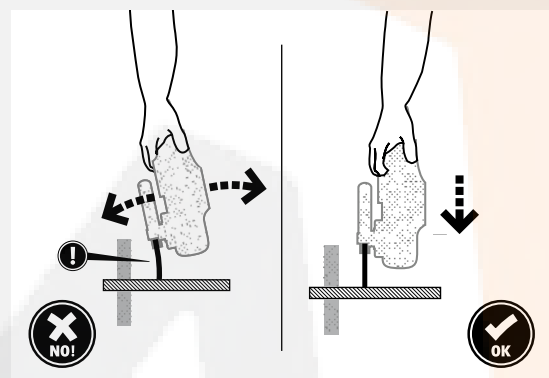
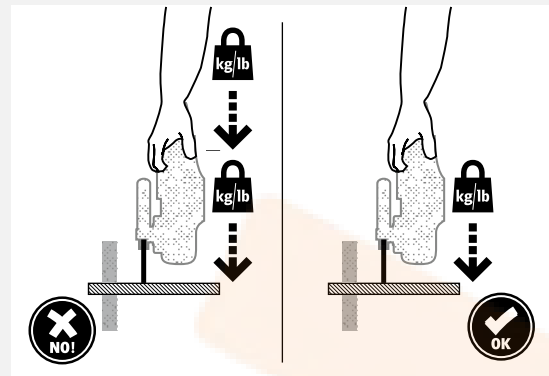
The rule of thumb also applies to grinding discs; the harder the material, the softer the grinding disc bond. In addition, the application plays a decisive role. Corner grinding and the grinding of burrs and sharp edges can cause grit to be removed from the bond. We suggest the selection of a hard bond. On the other hand, when working on surfaces or small weld seams a disc that is too hard would become dull and would no longer be effective. It would have a good service life, but would also have a low stock removal rate and high work costs. A medium or soft disc bond would be best for finish grinding.

Kronenflex® cutting-off wheels and grinding discs

Application guides

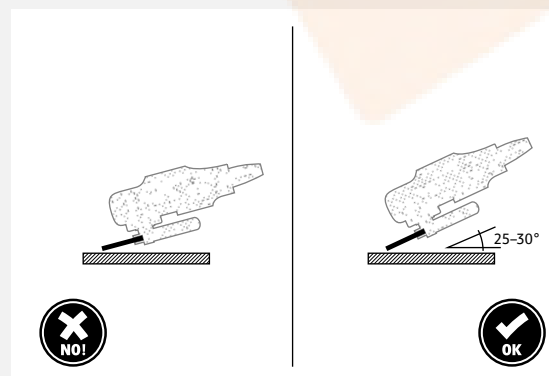
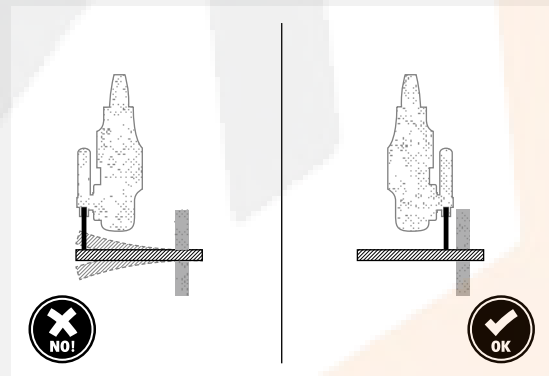
Correct application/techniques for cutting-off

Pressure may only be placed on the cutting-off wheel from a radial direction. This is the only way to avoid wobbling, buckling and disc breakage, especially when applying a high level of cutting pressure. The workpiece that is to be cut-off should be properly affixed to the workbench to ensure that the disc does not slide off to the side. In addition, we recommend that the material is affixed as close to the cutting site as possible to ensure that it does not vibrate, flutter or slip to the side.



Correct application/techniques for grinding

Grinding discs work best at 35 degree angle to the workpiece. This angle provides the best stock removal to disc wear ratio. If possible, always select this angle. When grinding and the angle is below 15° a very thin edge which levels off is formed around the circumference of the disc. Even minimal changes to the angle can result in a situation in which the grinding pressure can no longer be absorbed resulting in the grinding disc slipping to the side. Valuable grit is not used and an imbalance is created that results in having to replace the disc prematurely.



The correct mount

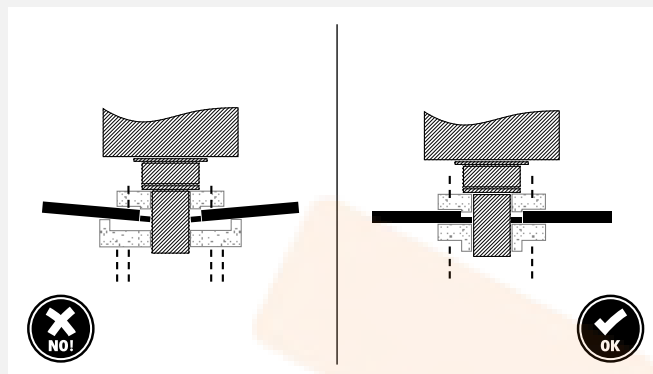
For better power transmission

Cutting-off wheels and grinding discs are mounted to the machine with side flanges. The flange elements are responsible for transferring power to the disc. For reasons of safety it is extremely important that defective or incorrect flanges are not used.

For more safety

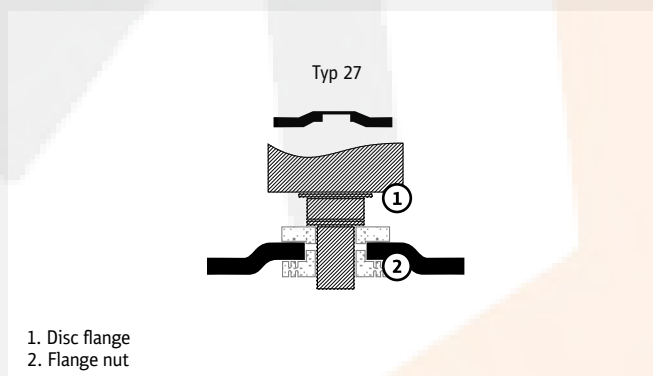
The use of wheel flange FL 76 provides increased lateral stability and user control, specifically when using thin cutting-off wheels with a flat form and diameter of 180 mm and 230 mm.

The applicable regulations and standards must be complied with when using the wheel flange. The contact surface and diameter of the wheel flange must match. Using wheel flanges with diameters that do not match is prohibited.



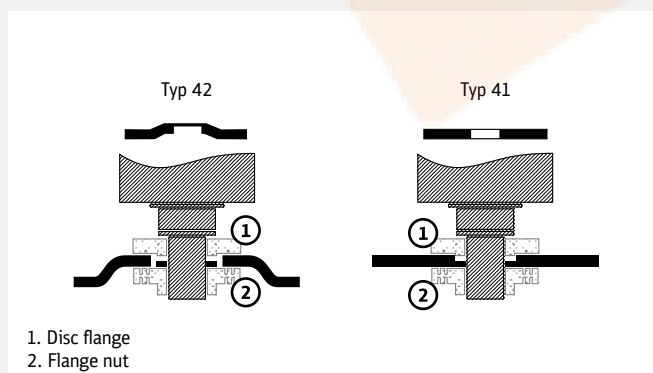
Depressed centre grinding discs

4 - 10 mm thickness



Flat and depressed centre cutting-off wheels

0.8 - 4 mm thickness



Kronenflex® cutting-off wheels and grinding discs

Application guides

Recognise and avoid errors

	Issue	Possible cause	Solution
Cutting-off wheels	Cutting surface is blue	Cutting time is too long	Increase feed speed or grinding pressure
		Drive power is too low	Use a more powerful machine
		Disc is too hard	Select a softer bond
		Material cross section is too great for the disc diameter	Work with a saw cut / work with a smaller material diameter
		Cutting disc is too wide for the material/application	Use a thinner cutting disc
	Disc wear is too high	White cutting surface: disc hardness is too low	Select a harder bond
		Peripheral speed is too low	Increase peripheral speed
		RPM decrease is too great	Reduce grinding pressure or use a more powerful machine
	Crooked cut	Workpiece is not mounted properly	Mount the material closer to the cutting site
		Grinding pressure is too great	Reduce grinding pressure
		Disc width is too thin for the material/application	Increase disc width
		Disc is completely worn down	Replace disc
	Disc breakage	Machine is operated incorrectly	Avoid lateral pressure on the disc
		Incorrect wheel flange diameter	Use wheel flange with identical diameters
		Cutting-off wheel is used for grinding	Cutting-off wheels may not be used for grinding
		Material is not properly affixed	Mount the material closer to the cutting site
	Disc periphery is frayed	Disc periphery is burned	Select a softer bond, decrease grinding pressure
		Material is not properly affixed	Mount the material closer to the cutting site
	Disc jumps	Wheel flange is dirty or worn out	Clean wheel flange or replace wheel flange
		Bearing is defective	Replace machine or replace bearing
		Bore dimension and mount do not match	Use proper bore dimension or use a reducer ring
Grinding discs	Bore hole is broken	Wheel flanges are of different sizes	Use wheel flanges that have the same diameters
		Machine is operated incorrectly	Reduce lateral pressure on the disc
		Cutting-off wheel is used for grinding	Cutting-off wheels may not be used for grinding
	Removal rate is too low	Shiny contact surface: bond is too hard	Select a softer bond
		Grinding pressure is too low	Increase grinding pressure
		Machine performance is too low	Use a more powerful machine
		Bond is too hard	Select a softer bond
	Disc is loaded/clogged	Loading/clogging with NF metals	Use softer bond or select a special cutting-off wheel for NF metals
		Grinding pressure is too low	Increase grinding pressure
	Wear is too high	Grinding pressure is too high	Reduce grinding pressure
		Bond is too soft	Select a harder bond
		Machine RPM decreases too quickly	Reduce grinding pressure
		Machine performance is too low	Use a more powerful machine
	Periphery is not rounded / breakage on the edge	Disc angle is too flat	Increase disc angle (at least 25°)
		Grinding pressure is too high	Reduce grinding pressure
	Disc wobbles	The mount is not centred	Check bore diameter and mounting diameter and adjust accordingly
		Mounting shaft is worn	Replace machine
		Mounting flange is worn / dirty / incorrect	Replace / clean mounting flange / check dimensions
		Disc wobbles	Use a new disc

What the type designation reveals about the design of cutting-off wheels and grinding discs

The type designation given on a cutting-off wheel or grinding disc divulges more than just the name of the product. It provides important information on the performance class and on the composition of the tool. The first letter indicates which abrasive grit is used. If this letter is followed by a three digit number, the first digit signifies the performance class (the performance class is also included below the name of the product). The last two digits point to the size of the grit that was used. The letters at the end of the type designation mark the hardness grade of a cutting-off wheel or grinding disc.

Grit type	Performance class	Grit size according to FEPA standard	Hardness	Performance class
A Aluminium oxide	3 /// EXTRA	16	M soft	/// EXTRA
C Silicon carbide	6 /// SUPRA	24	N	/// SUPRA
Z Zirconia alumina	9 /// SPECIAL	30	R	/// SPECIAL
		36	S	
		46	T hard	
		60		
		80		

Explained by example of the Z 960 TX cutting-off wheel

Grit type	Performance class	Grit size according to FEPA standard	Hardness	Performance class
Z Zirconia alumina	9 /// SPECIAL	60	TX hard	/// SPECIAL

The safe use of Klingspor abrasives

Klingspor Kronenflex cutting-off wheels and grinding discs are manufactured in accordance with the oSa and EN 12413 standards, this ensures the highest level of user safety.



Wear safety goggles or glasses to protect the eyes



Wear dust mask



Use ear protectors



Not permitted for grinding



Wear safety gloves to protect hands



Observe safety instructions



Do not use for wet grinding



Do not use if damaged

Kronenflex® cutting-off wheels

0,8 – 1,2 mm

About the product

Klingspor Kronenflex® cutting-off wheels with a disc thickness of 0,8 to 1,2 mm are very thin cutting-off wheels with very short cutting times and minimal burr formation.

These cutting-off wheels develop their full power when working on thin-walled materials and are known for their precise, accurate and fast cuts at lowest thermal loads. Due to the cutting-off wheels' excellent cutting properties the weight of the machine itself provides suitable grinding pressure.

Klingspor Kronenflex® cutting-off wheels of the 0,8 to 1,2 mm class are known for their high level of safety, efficiency and productivity.

Typical materials for these products

- ▶ Steel
- ▶ Stainless steel
- ▶ Cast materials
- ▶ Construction steel
- ▶ NF metals
- ▶ Thin-walled profiles
- ▶ Thin tins
- ▶ Thin pipes
- ▶ Corrugated sheeting
- ▶ Flat irons
- ▶ Cable ducts
- ▶ Steel cables

Typical applications for these products

- ▶ Bodywork
- ▶ Maintenance and repair work
- ▶ Locksmiths
- ▶ Steelwork
- ▶ Plant construction
- ▶ Container construction
- ▶ Upkeep
- ▶ Metal works
- ▶ Vehicle construction

Material applications														
Type	Thickness [mm]	Steel	Hardened steel	Tool steel	Stainless steel	High alloy steel	Corrosion and acid proof steels	Aluminium	Bronze	Copper	Brass	Zinc die-casting	Cast iron	Page
A 980 TZ SPECIAL	0,8	●	●	●	●	●	●	●	○	○	○	○	○	253
A 60 EXTRA	1,0	●	○	○	●	○	○	○	○	○	○	○	○	253
A 660 R SUPRA	1,0	●	●	●	●	○	○	○	○	○	○	○	○	255
A 60 TZ SPECIAL INOX	1,0	●	●	●	●	●	●	○	○	○	○	●	○	256
A 960 TZ SPECIAL	1,0	●	●	●	●	●	●	○	○	○	○	●	○	257
A 60 N SUPRA	1,0	○	○	○	○	○	○	●	●	●	●	○	○	255
K 960 TX SPECIAL	1,0	●	●	●	●	●	●	○	○	○	○	●	●	257
Z 960 TX SPECIAL	1,0	●	●	●	●	●	●	○	○	○	○	●	○	258
EDGE SPECIAL	1,2	●	●	●	●	●	●	●	○	○	○	●	○	258
A 660 R SUPRA Small cutting-off wheel	1,0–1,6	●	●	●	○	○	○	○	○	○	○	○	○	259

● = main application ○ = possible applications

Kronenflex® Tub

Due to climatic influences in the first weeks after production, cutting discs usually lose significant performance. In order for you to be able to appreciate all benefits of our newly developed product, it comes in the airtight Kronenflex® tub.

In comparison with carton packaging the discs stay fresh much longer and gain up to 40% more performance.



Kronenflex® cutting-off wheels 0,8 - 1,2 mm for handheld machines

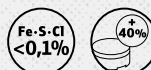


Cutting-off wheel

A 980 TZ SPECIAL



Class	SPECIAL
Bond	■ ■ ■ ■ ■ ■ ■ □
Aggression	■ ■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ ■ □ □ □



Applications	
Stainless steel	●
Steel	●
NF metals	●

Advantages: Free of iron, sulphur and chlorine - Very short cutting times - Very precise and clean cuts - Low thermal load - Minimal burr formation, minimising finish-machining - 25 pieces delivered in the Kronenflex® tub for long lasting high performance and moisture protection

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 0,8 x 22,23		80 m/s	13300 rpm	25	322182	11
125 x 0,8 x 22,23		80 m/s	12200 rpm	25	322183	11

Cutting-off wheel

A 60 EXTRA



Class	EXTRA
Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ ■ □ □ □

Applications	
Stainless steel	●
Steel	●

Advantages: Minimal burr formation - Low thermal load - Very good price-performance ratio

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1 x 22,23		80 m/s	13300 rpm	25	262936	11
125 x 1 x 22,23		80 m/s	12200 rpm	25	262937	11

Kronenflex® cutting-off wheels 0,8 - 1,2 mm

for handheld machines

Cutting-off wheel

A 60 EXTRA



Class	EXTRA	Applications
Bond	■ ■ ■ ■ ■ □ □	Stainless steel ●
Aggression	■ ■ ■ ■ □ □ □	Steel ●
Service life	■ ■ ■ ■ □ □	

Advantages: Minimal burr formation - Low thermal load - Very good price-performance ratio - 10 pieces in a tin with viewing window

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	10 discs	310499	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	10 discs	310500	11

Minimum order quantity = 5 tins

Cutting-off wheel

A 60 EXTRA



Class	EXTRA	Applications
Bond	■ ■ ■ ■ ■ □ □	Stainless steel ●
Aggression	■ ■ ■ ■ □ □ □	Steel ●
Service life	■ ■ ■ ■ □ □	

Advantages: Minimal burr formation - Low thermal load - Very good price-performance ratio - 5 tins in a sales display

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/display	Cat. number	Discount group
125 x 1 x 22,23	—	80 m/s	12200 rpm	5 tins with 10 discs	312031	11

Kronenflex® cutting-off wheels 0,8 - 1,2 mm for handheld machines



Cutting-off wheel

A 60 N SUPRA



Class	SUPRA										Applications
Bond	■	■	■	■	■	■	■	■	■	■	Aluminium ●
Aggression	■	■	■	■	■	■	■	■	■	■	Steel ○
Service life	■	■	■	■	■	■	■	■	■	■	

Advantages: Special combination prevents loading of waste material - Minimal burr formation

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	264297	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	264298	11

Cutting-off wheel

A 660 R SUPRA



Class	SUPRA										Applications
Bond	■	■	■	■	■	■	■	■	■	■	Stainless steel ●
Aggression	■	■	■	■	■	■	■	■	■	■	Steel ●
Service life	■	■	■	■	■	■	■	■	■	■	

Advantages: Minimal burr formation - Low thermal load - Highest cutting performance

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	328905	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	328906	11

Kronenflex® cutting-off wheels 0,8 - 1,2 mm

for handheld machines

Cutting-off wheel

A 60 TZ SPECIAL



Class	SPECIAL
Bond	■■■■■■■□
Aggression	■■■■■■■□
Service life	■■■■■■■□



Applications	
Stainless steel	●
Steel	●
NF metals	○



Advantages: Free of iron, sulphur and chlorine - Short cutting times - Minimal burr formation - Low thermal load

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 1 x 16	—	80 m/s	15300 rpm	25	202402	11
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	202400	11
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	233741	11
115 x 1 x 22,23 X-LOCK	—	80 m/s	13300 rpm	25	351259	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	202401	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	233742	11
125 x 1 x 22,23 X-LOCK	—	80 m/s	12200 rpm	25	351258	11

Cutting-off wheel

A 60 TZ SPECIAL



Class	SPECIAL
Bond	■■■■■■■□
Aggression	■■■■■■■□
Service life	■■■■■■■□



Applications	
Stainless steel	●
Steel	●
NF metals	○

Advantages: Free of iron, sulphur and chlorine - Fast cutting - Minimal burr formation - Low thermal load - 10 pieces in a tin with viewing window

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	10 discs	310503	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	10 discs	310504	11

Minimum order quantity = 5 tins

Kronenflex® cutting-off wheels 0,8 - 1,2 mm for handheld machines



Cutting-off wheel

A 960 TZ SPECIAL



Class	SPECIAL
Bond	■■■■■■■■■
Aggression	■■■■■■■■■
Service life	■■■■■■■■■



Applications	
Stainless steel	●
Steel	●

Advantages: Free of iron, sulphur and chlorine - Short cutting times and long service life - Low thermal load - Low burr formation - Optimised bonding for considerably longer service life - For diverse applications - 25 pieces delivered in the Kronenflex® tub for long lasting high performance and moisture protection

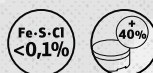
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1 x 22,23	■	80 m/s	13300 rpm	25	322180	11
125 x 1 x 22,23	■	80 m/s	12200 rpm	25	322181	11

Ceramic cutting-off wheel

K 960 TX SPECIAL



Class	SPECIAL
Bond	■■■■■■■■■
Aggression	■■■■■■■■■
Service life	■■■■■■■■■



Applications	
Steel	●
Stainless steel	●
High alloy steel	●
Carbon steel	●
Titanium	●

Advantages: Thin cutting-off wheel with ceramic grain for maximum aggressiveness and long service life - Free of iron, sulphur and chlorine - Outstanding performance in daily use - Highest cutting performance - 25 pieces delivered in the Kronenflex® tub for long lasting high performance and moisture protection

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1 x 22,23	■	80 m/s	13300 rpm	25	328885	11
125 x 1 x 22,23	■	80 m/s	12200 rpm	25	328886	11

CERAMIC !



Kronenflex® cutting-off wheels 0,8 - 1,2 mm for handheld machines

Cutting-off wheel

Z 960 TX SPECIAL



Class	SPECIAL
Bond	■■■■■■■■■
Aggression	■■■■■■■■■
Service life	■■■■■■■■■



Applications	
Stainless steel	●
Alloys	●
Carbon steel	●
Titanium	●

ZIRCONIUM



Advantages: Free of iron, sulphur and chlorine - Ideal for tough/hard materials such as titanium and high alloy steels - Short cutting times and long service life due to self-sharpening zirconia alumina - Low thermal load - Low burr formation - 25 pieces delivered in the Kronenflex® tub for long lasting high performance and moisture protection

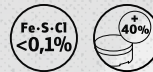
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1 x 22,23	■■■■■	80 m/s	13300 rpm	25	322184	11
125 x 1 x 22,23	■■■■■	80 m/s	12200 rpm	25	322185	11

Cutting-off wheel

EDGE SPECIAL



Class	
Bond	■■■■■■■■■
Aggression	■■■■■■■■■
Service life	■■■■■■■■■



Applications	
Stainless steel	●
Steel	●
Aluminium	●

NEW



Advantages: High performance cutting-off wheel with self-sharpening abrasive grain - Great cutting performance combined with a long service life - Wide range of applications - 25 pieces delivered in the Kronenflex® tub for long lasting high performance and moisture protection

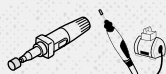
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1,2 x 22,23	■■■■■	80 m/s	13300 rpm	25	355380	11
125 x 1,2 x 22,23	■■■■■	80 m/s	12200 rpm	25	355379	11

Kronenflex® small cutting-off wheels for handheld machines



Small cutting-off wheel

A 660 R SUPRA



Class SUPRA

Applications

Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Steel	●
Stainless steel	●

Advantages: Minimal burr formation - For universal use in hard-to-reach areas - For cutting metals, profiles and solid materials

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
50 x 1 x 6	—	100 m/s	38200 rpm	100	329096	11
50 x 1 x 10	—	100 m/s	38200 rpm	100	329097	11
76 x 1 x 6	—	100 m/s	25200 rpm	100	329098	11
76 x 1 x 10	—	100 m/s	25200 rpm	100	329099	11
76 x 1,6 x 6	—	100 m/s	25200 rpm	100	329100	11
76 x 1,6 x 10	—	100 m/s	25200 rpm	100	329101	11
100 x 1 x 6	—	100 m/s	19000 rpm	25	329102	11
100 x 1 x 10	—	100 m/s	19000 rpm	25	329103	11

Fixing spindle

SD 660



Advantages: Fixing spindle for clamping on the small A 660 R cutting blades onto straight grinders, flexible shafts, and drilling machines - Fits 6 and 10 mm holes

Mounting in mm	Suitable for	Packing unit/pcs.	Cat. number	Discount group
6	6 and 10 mm bore	1	337156	14

Kronenflex® cutting-off wheels

1,6 – 1,9 mm

About the product

Klingspor Kronenflex® cutting-off wheels with a disc thickness of 1,6 to 1,9 mm combine excellent cutting properties with a high degree of lateral stability.

These wheels provide convincing arguments especially in day-to-day applications when working on materials with medium-strength cross sections. They are known for their short cutting time, good stability and minimal burr formation.

These advantages in connection with the wide range of applications make Klingspor Kronenflex cutting wheels of the 1,6 to 1,9 mm class the highest performing universal wheel for daily use in metalworking.

Typical materials for these products

- ▶ Steel
- ▶ Stainless steel
- ▶ Construction steel
- ▶ NF metals
- ▶ Cast materials
- ▶ Pipes
- ▶ Flat iron
- ▶ Tins
- ▶ Solid materials

Typical applications for these products

- ▶ Locksmiths
- ▶ Shipyards
- ▶ Steelwork
- ▶ Plant construction
- ▶ Metal works
- ▶ Vehicle construction

Material applications														
Type	Thickness [mm]	Steel	Hardened steel	Tool steel	Stainless steel	High alloy steels	Corrosion and acid proof steels	Aluminium	Bronze	Copper	Brass	Die-cast aluminium	Zinc die-casting	Page
A 346 EXTRA	1,6	●	○	○	●	○	●	○	○	○	○	○	○	261
A 646 R SUPRA	1,6–1,9	●	●	○	○	●	●							261
A 46 TZ SPECIAL INOX	1,6–1,9	●	●	●	●	●	●	○	○	○	○		●	262
A 946 TZ SPECIAL	1,6–1,9	●	●	●	●	●	●	●	○	○	○	○	○	263

● = main application ○ = possible applications

Kronenflex® cutting-off wheels 1,6 - 1,9 mm for handheld machines



Cutting-off wheel

A 346 EXTRA



Class	EXTRA	Applications
Bond	■ ■ ■ ■ ■ □ □	Stainless steel ●
Aggression	■ ■ ■ ■ ■ □ □	Steel ●
Service life	■ ■ ■ ■ ■ □ □	Aluminium ○

Advantages: Free of iron, sulphur and chlorine - Universal use on steel and stainless steel (INOX) - Cutting disc made of a calcined, cubic aluminium oxide that is self-sharpening - Minimal burr formation and longer service life - Best suited for cutting thin-walled profiles and pipes

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	340936	11
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	340938	11

Cutting-off wheel

A 646 R SUPRA



Class	SUPRA	Applications
Bond	■ ■ ■ ■ ■ □	Steel ●
Aggression	■ ■ ■ ■ ■ □	Stainless steel ○
Service life	■ ■ ■ ■ ■ □	

Advantages: Free of iron, sulphur and chlorine - Universal use on steel and stainless steel - Cutting disc made of self-sharpening, calcined aluminium oxide - High aggressiveness when used for cutting solid steel materials

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	340947	11
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	340946	11
150 x 1,6 x 22,23	—	80 m/s	10200 rpm	25	340945	11
180 x 1,6 x 22,23	—	80 m/s	8500 rpm	25	340944	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	340943	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	340942	11

Kronenflex® cutting-off wheels 1,6 - 1,9 mm

for handheld machines

Cutting-off wheel

A 46 TZ SPECIAL



Class	<i>SPECIAL</i>
Bond	■■■■■■■□
Aggression	■■■■■■■□
Service life	■■■■■■■□



Applications	
Stainless steel	●
Steel	●



Advantages: Free of iron, sulphur and chlorine - Universal use on steel and stainless steel (INOX) - First choice for professional applications and fast cutting of demanding materials

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 1,6 x 16	— —	80 m/s	15300 rpm	25	194071	11
115 x 1,6 x 22,23	— —	80 m/s	13300 rpm	25	187170	11
115 x 1,6 x 22,23	— —	80 m/s	13300 rpm	25	235378	11
115 x 1,6 x 22,23 X-LOCK	— —	80 m/s	13300 rpm	25	351257	11
125 x 1,6 x 22,23	— —	80 m/s	12200 rpm	25	187171	11
125 x 1,6 x 22,23	— —	80 m/s	12200 rpm	25	235379	11
125 x 1,6 x 22,23 X-LOCK	— —	80 m/s	12200 rpm	25	351256	11
150 x 1,6 x 22,23	— —	80 m/s	10200 rpm	25	241472	11
180 x 1,6 x 22,23	— —	80 m/s	8500 rpm	25	221161	11
180 x 1,6 x 22,23	— —	80 m/s	8500 rpm	25	312257	11
230 x 1,9 x 22,23	— —	80 m/s	6600 rpm	25	224084	11
230 x 1,9 x 22,23	— —	80 m/s	6600 rpm	25	265044	11

Kronenflex® cutting-off wheels 1,6 - 1,9 mm for handheld machines



Cutting-off wheel

A 946 TZ SPECIAL



Class	SPECIAL
Bond	■■■■■■■■■
Aggression	■■■■■■■■■
Service life	■■■■■■■□



Applications	
Steel	●
Stainless steel	●
NF metals	○
Castings	○

Advantages: Free of iron, sulphur and chlorine - Extra long service life across all applications - For universal use in metal processing - Short cutting times - Low burr formation - Low thermal load - 25 pieces delivered in the Kronenflex® tub for long lasting high performance and moisture protection

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	339109	11
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	339110	11
150 x 1,6 x 22,23	—	80 m/s	10200 rpm	25	339111	11
180 x 1,6 x 22,23	—	80 m/s	8500 rpm	25	339112	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	339113	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	339114	11

Wheel flange

FL 76



Advantages: Use of the wheel flange increases lateral stability with thin cutting-off wheels having a flat form and diameters of 180 and 230 mm

Diameter in mm	Suitable for	Packing unit/pcs.	Cat. number	Discount group
x 76	A 46 TZ + A 646 R + A 946 TZ	1 set	236130	14

Kronenflex® cutting-off wheels

2,0 – 3,2 mm

About the product

Klingspor Kronenflex® cutting-off wheels with a disc thickness of 2,0 to 3,2 mm are known for their particularly high lateral stability.

This is important for applications which require deep cuts into solid material – e.g. to cut risers/casts or large profiles. The enormous lateral forces that occur while working require high cutting-off wheel stability.

Despite their thickness, Klingspor Kronenflex cutting-off wheels of the 2,0 to 3,2 mm class are known for their excellent cutting rate and long service life. These cutting-off wheels are ideal for applications that require a high degree of lateral stability.

Typical materials for these products

- ▶ Steel
- ▶ Stainless steel
- ▶ Construction steel
- ▶ NF metals
- ▶ Cast materials
- ▶ Stone
- ▶ Plastics
- ▶ Mineral materials
- ▶ Solid materials
- ▶ Pipes
- ▶ Flat irons
- ▶ Tins

Typical applications for these products

- ▶ Foundries
- ▶ Locksmiths
- ▶ Shipyards
- ▶ Steelwork
- ▶ Plant construction
- ▶ Metal works
- ▶ Maintenance and repair work

Material applications														
Type	Thickness [mm]	Steel	Hardened steels	Tool steel	Stainless steel	High alloy steels	Corrosion and acid proof steels	Aluminium	Bronze	Copper	Brass	Zinc die-casting	Cast iron	Stone / concrete
A 24 EXTRA	2,0–3,2	●	○	●	○	○	○	○	○	○	○	○	○	
A 24 R SUPRA	2,5–3,0	●	●	●	○	○	○					○	○	
A 24 N SUPRA INOX	2,5–3,0	○	●	○	●	●	●	○	○	○	○			
A 36 R SUPRA INOX	2,0–2,5	○	○	●	●	●	●		○	○	○			
A 36 TZ SPECIAL INOX	2,0	○	○	●	●	●	●						○	
A 24 R/36 SPECIAL INOX	2,5–3,0	○	○	●	●	●	●							
A 24 TZ SPECIAL	2,5–3,0	○		○	●	●	●						○	
A 46 N SUPRA	2,5–3,0							●	●	●	●	○		
C 24 EXTRA	2,5–3,0													●
C 24 R SUPRA	2,5–3,0												○	●

● = main application ○ = possible applications

Kronenflex® cutting-off wheels 2,0 - 3,2 mm for handheld machines



Cutting-off wheel

A 24 EXTRA



Class	EXTRA
Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

Applications
Metals ●

XLOCK !

Advantages: Proven a million times over - Standard wheel with outstanding price-performance ratio - For universal use in metalworking - Fast cutting off of solid material

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 2,5 x 16*		80 m/s	15300 rpm	25	188998	11
115 x 2,5 x 22,23*		80 m/s	13300 rpm	25	242137	11
115 x 2,5 x 22,23*		80 m/s	13300 rpm	25	188461	11
115 x 2,5 x 22,23 X-LOCK*		80 m/s	13300 rpm	25	351255	11
115 x 3,2 x 22,23		80 m/s	13300 rpm	25	209014	11
125 x 2,5 x 22,23*		80 m/s	12200 rpm	25	242138	11
125 x 2,5 x 22,23*		80 m/s	12200 rpm	25	188463	11
125 x 2,5 x 22,23 X-LOCK*		80 m/s	12200 rpm	25	351254	11
125 x 3,2 x 22,23		80 m/s	12200 rpm	25	209016	11
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	235375	11
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	235374	11
180 x 2 x 22,23		80 m/s	8500 rpm	25	286455	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	13490	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	189000	11
230 x 2 x 22,23		80 m/s	6600 rpm	25	286456	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	13492	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	189002	11

* New recipe

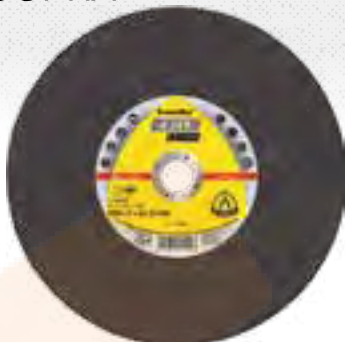
Kronenflex® cutting-off wheels 2,0 - 3,2 mm

for handheld machines

Cutting-off wheel

A 24 R

SUPRA



Class	SUPRA	Applications
Bond	■■■■■□□	Steel ●
Aggression	■■■■■□□	Stainless steel ○
Service life	■■■■■□□	Castings ○

Advantages: Optimised combination for use on steel - Can be used on stainless steel - Good cutting properties

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 2,5 x 16*		80 m/s	15300 rpm	25	13754	11
115 x 2,5 x 22,23*		80 m/s	13300 rpm	25	13297	11
115 x 2,5 x 22,23*		80 m/s	13300 rpm	25	13466	11
125 x 2,5 x 22,23*		80 m/s	12200 rpm	25	13295	11
125 x 2,5 x 22,23*		80 m/s	12200 rpm	25	13738	11
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	6667	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	13456	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	13470	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	13464	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	13478	11

* New recipe

Cutting-off wheel

A 24 N

SUPRA



Class	SUPRA	Applications
Bond	■■■□□□□	Stainless steel ●
Aggression	■■■■■□□	Aluminium ○
Service life	■■■■■□□	

Advantages: Special combination prevents loading of waste material - High removal rate on stainless steel due to hardened aluminium oxide

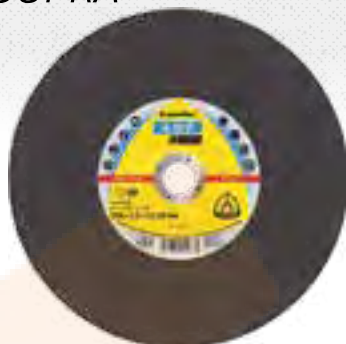
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	3020	11
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	2951	11
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	235377	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	13455	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	13469	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	13463	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	13477	11

Kronenflex® cutting-off wheels 2,0 - 3,2 mm for handheld machines



Cutting-off wheel

A 36 R SUPRA



Class SUPRA

Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ ■ □

Applications

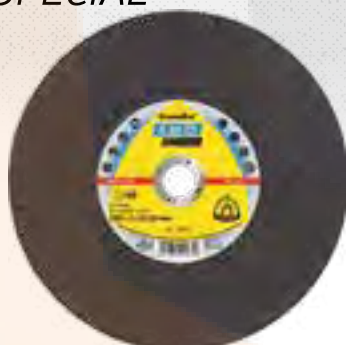
Stainless steel	●
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Advantages: Excellent cutting performance - Optimised aggression and service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 2 x 22,23	—	80 m/s	13300 rpm	25	123208	11
125 x 2 x 22,23	—	80 m/s	12200 rpm	25	126849	11
150 x 2 x 22,23	—	80 m/s	10200 rpm	25	251752	11
180 x 2,5 x 22,23	—	80 m/s	8500 rpm	25	123209	11
230 x 2,5 x 22,23	—	80 m/s	6600 rpm	25	123833	11

Cutting-off wheel

A 36 TZ SPECIAL



Class SPECIAL

Bond	■ ■ ■ ■ ■ □
Aggression	■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ □

Applications

Stainless steel	●
Steel	①

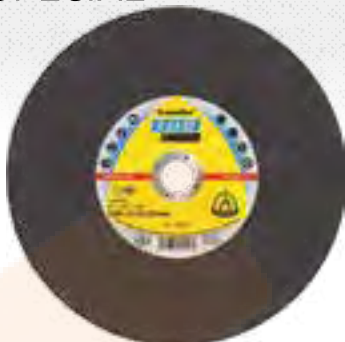
Advantages: Very good cutting performance, even with low grinding pressure

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 2 x 22,23	—	80 m/s	13300 rpm	25	136549	11
125 x 2 x 22,23	—	80 m/s	12200 rpm	25	136550	11
180 x 2 x 22,23	—	80 m/s	8500 rpm	25	136551	11
230 x 2 x 22,23	—	80 m/s	6600 rpm	25	136552	11

Kronenflex® cutting-off wheels 2,0 - 3,2 mm for handheld machines

Cutting-off wheel

A 24 TZ SPECIAL



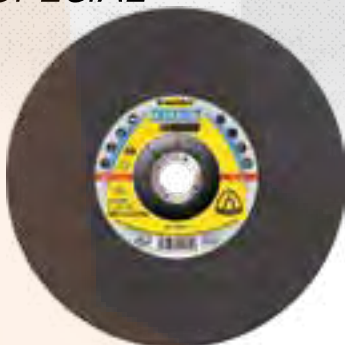
Class	SPECIAL				Applications
Bond	■	■	■	■	Stainless steel ●
Aggression	■	■	■	■	Steel ○
Service life	■	■	■	■	Castings ○

Advantages: Optimised combination for use on stainless steel - Excellent performance

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	136554	11
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	136555	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	136558	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	136559	11

Cutting-off wheel

A 24 R/36 SPECIAL



Class	SPECIAL				Applications
Bond	■	■	■	■	Stainless steel ●
Aggression	■	■	■	■	
Service life	■	■	■	■	

Advantages: Special wheel for the nuclear industry - Free of iron, sulphur and chlorine

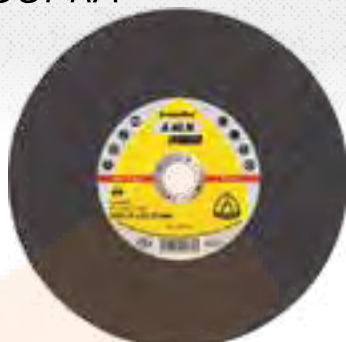
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	60534	11
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	2825	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	60537	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	60061	11

Kronenflex® cutting-off wheels 2,0 - 3,2 mm for handheld machines



Cutting-off wheel

A 46 N SUPRA



Class	SUPRA	Applications
Bond	■ ■ ■ ■ □ □ □ □	Aluminium ●
Aggression	■ ■ ■ ■ ■ □ □ □	
Service life	■ ■ ■ ■ ■ □ □ □	

Advantages: Special combination prevents loading of waste material - Optimised cutting performance on non-ferrous metals

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 2,5 x 22,23	■	80 m/s	13300 rpm	25	170707	11
125 x 2,5 x 22,23	■	80 m/s	12200 rpm	25	170708	11
180 x 3 x 22,23	■	80 m/s	8500 rpm	25	170709	11
230 x 3 x 22,23	■	80 m/s	6600 rpm	25	170710	11

Cutting-off wheel

C 24 EXTRA



Class	EXTRA	Applications
Bond	■ ■ ■ ■ □ □ □ □	Stone/Concrete ●
Aggression	■ ■ ■ ■ ■ □ □ □	
Service life	■ ■ ■ ■ □ □ □ □	

Advantages: Universal cutting-off wheel for all mineral materials - Wide application range due to sharp, coarse SiC grit

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 2,5 x 16	■	80 m/s	15300 rpm	25	188999	11
115 x 2,5 x 22,23	■	80 m/s	13300 rpm	25	242143	11
115 x 2,5 x 22,23	■	80 m/s	13300 rpm	25	188462	11
125 x 2,5 x 22,23	■	80 m/s	12200 rpm	25	242144	11
125 x 2,5 x 22,23	■	80 m/s	12200 rpm	25	188464	11
180 x 3 x 22,23	■	80 m/s	8500 rpm	25	13489	11
180 x 3 x 22,23	■	80 m/s	8500 rpm	25	189001	11
230 x 3 x 22,23	■	80 m/s	6600 rpm	25	13491	11
230 x 3 x 22,23	■	80 m/s	6600 rpm	25	189003	11

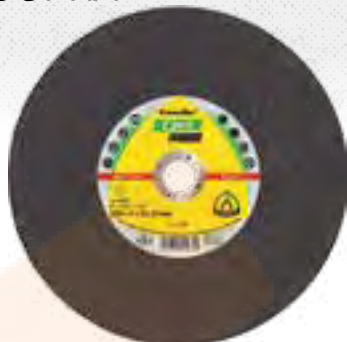
Kronenflex® cutting-off wheels 2,0 - 3,2 mm

for handheld machines

Cutting-off wheel

C 24 R

SUPRA



Class

SUPRA

Applications

Bond ■■■■■□□□

Stone/Concrete ●

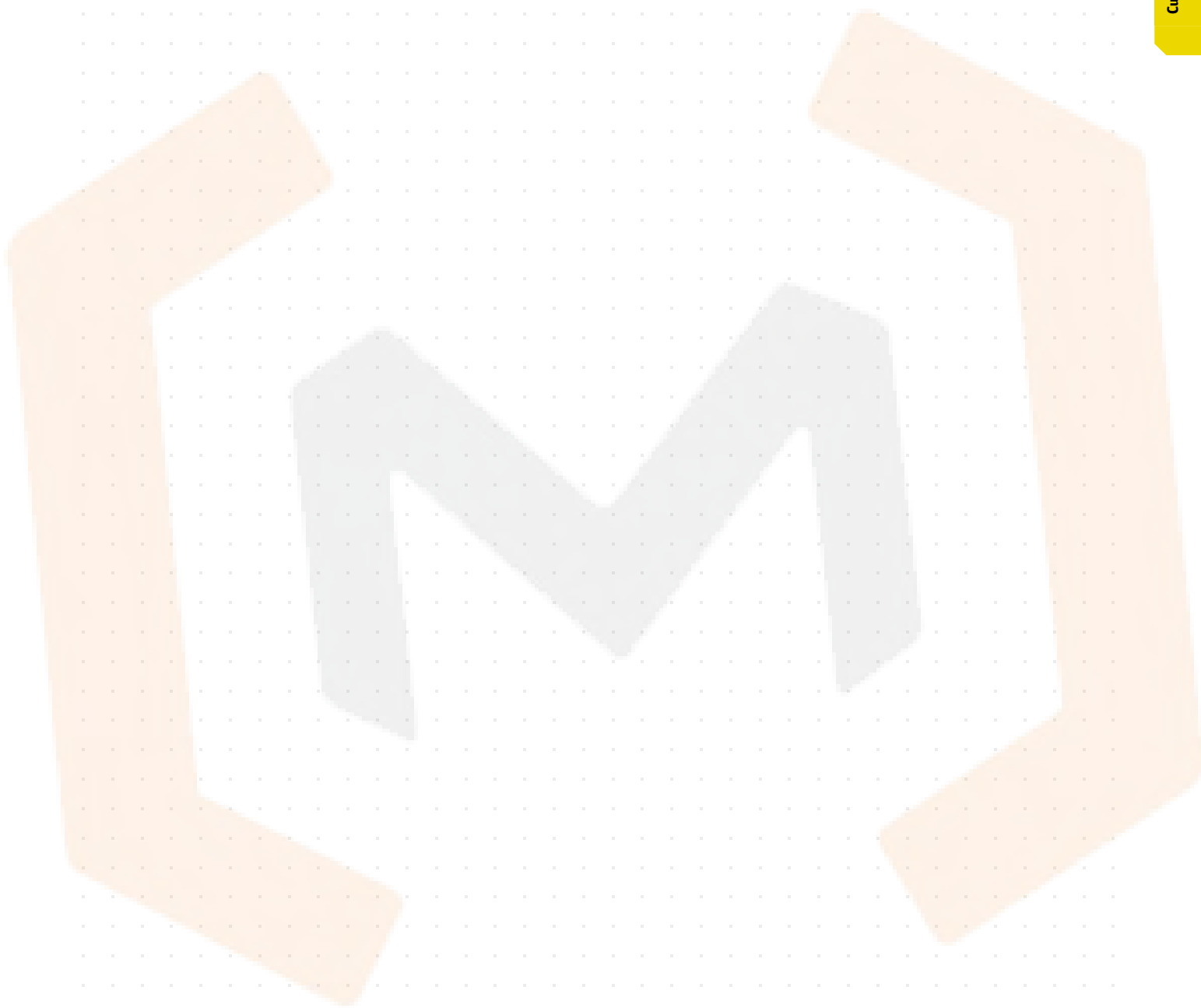
Aggression ■■■■■□□□

Castings ○

Service life ■■■■■□□□

Advantages: Optimal for all mineral materials due to sharp, coarse SiC grit

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	13465	11
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	13739	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	13461	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	13475	11



Kronenflex® large cutting-off wheels

About the product

Klingspor Kronenflex large cutting-off wheels are high performance, robust wheels for special uses with an outer diameter of 300 mm and more.

Their high lateral stability ensures safe operation also in connection with hard cutting applications. The optimised grits and resins are specifically created for the specific application areas. The cutting-off wheels are known for their fast cuts and low thermal material loads, as well as their long service life.

Klingspor Kronenflex large cutting-off wheels uses range from bench cutting to handheld machines, from railway construction to industrial uses on stationary machines. These products are the ideal solution if outstanding performance and a high degree of safety is what is needed.

Type	Thick- ness [mm]	Machines				Material applications													Page		
		Handheld machines 80m/s	Handheld machines 100m/s	Bench chop saws	Stationary < 5KW	Steel	Hardened steels	Tool steel	Stainless steel	High alloy steels	Corrosion and acid proof steels	Aluminium	Bronze	Copper	Brass	Zinc die-casting	Cast iron	Stone / concrete		Asphalt	
A 24 EXTRA	3,5	●				●	○	●	○	○	○							○			275
C 24 EXTRA	3,5	●																○	●	○	275
A 624 SX SPECIAL	3,5–4,0		●			●	●														276
A 924 R SPECIAL	3,5–4,0		●			●	●	●	●	●	●							○			276
A 924 SX SPECIAL	3,5–4,0		●			●	●														277
A 330 EXTRA	2,5			●		●	○	○	○	○	○										279
A 630 N SUPRA	2,5			●		●	○	○	○	○	○										279
A 930 N SPECIAL	2,5–3,5			●		●	○	○	○	○	○										280
A 24 R SUPRA	3,0–4,5				●	●	●	●	○	○	○							○			278
A 24 N SUPRA INOX	3,5				●	○	●	●	●	●	●	○	○	○	○	○					278

● = main application ○ = possible applications

Cutting-off wheels for different types of machines

- ▶ Handheld machines 80m/s
- ▶ Handheld machines with a clamping device for vignole rails 100m/s
- ▶ Transportable bench chop saws < 3KW
- ▶ Stationary saws / cutters up to 5KW
- ▶ Stationary saws / cutters > 5KW

Stationary cutting-off wheels may not be used with freehand machines.

Products for handheld machines

These products were developed for use with handheld machines (petrol, electric, high frequency).

Please note that it is very important that the maximum operating speed setting on the machines and the maximum operating speed setting on the products match. 80 m/s and 100 m/s machines are available on the market. Klingspor large cutting-off wheels for handheld machines are certified for 80 m/s handheld machines. Products for railway construction with a clamping device are certified up to 100 m/s.

Products for transportable bench chop saws

Cutting-off wheels for this product group are suitable for low power bench chop saws. These products may not be used with large stationary and / or handheld machines.

They are known for their high cutting rate, which ensures fast and cool cutting.

Products for stationary saws / cutters

Stationary machines are best suited for economical and safe cutting of large cross sections and heavy workpieces.

Products in this segment with their outstanding performance and long service life fulfil the most demanding requirements of stationary cutting. Good aggressiveness ensures low thermal loads when working on large cross sections.

Kronenflex® large cutting-off wheels

Applications guide

Which cutting-off wheel is used with which machine?

Large cutting-off wheels for stationary machines and large cutting-off wheels for handheld machines are designed differently and their build is optimised for the respective machine type. For safety reasons large cutting-off wheels for stationary machines may never be used with handheld machines.

The bore diameter of a large cutting-off wheel does not indicate if it is a wheel that can be used with a stationary machine or if it is a wheel that can be used with a handheld machine.

A binding overview regarding which Klingspor wheel type is to be used with which machine type is provided in the table below.

Type	Ø [mm]	Thick-ness [mm]	Bore Ø [mm]	Machines	Safety	
					Max. operating speed	Application type (EN12413)
A 24 EXTRA	300	3,5	20/22,23	general handheld machines (petrol, electric, high frequency)	80 m/s	freehand cutting
C 24 EXTRA	300	3,5	20/22,23			
A 330 EXTRA	350	2,5	25,4	transportable bench chop saws, chop saws	80 m/s	stationary guided cutting <3 KW
A 630 N SUPRA	300	2,5	25,4			
	350	2,5	25,4			
	400	3,2	25,4			
A 930 N SPECIAL	300	2,5	25,4	stationary saws / cutters	100 m/s	stationary guided cutting >3 KW
	350	3,0	25,4			
A 24 R SUPRA	250	3	32			
	300	3	22,23/25,4/30/32			
	350	3,5	25,4/32			
	400	4,5	25,4/32/40			
A 24 N SUPRA	350	3,5	25,4	stationary saws / cutters	100 m/s	stationary guided cutting >5 KW
A 24 R/06 SUPRA	400	4	25,4			
A 924 R SPECIAL	300	3,5	20/22,23/25,4	general handheld machines, joint cutters (petrol, electric, high frequency)	100 m/s	freehand cutting
	350	4	20/22,23/25,4			
A 624 SX SUPRA	300	3,5	22,23	Handheld grinders (petrol, electric, high frequency, hydraulic) in combination with a clamping device	100 m/s	stationary guided cutting
	350	4	22,23/25,4			
	400	4	25,4			
A 924 SX SPECIAL	300	3,5	22,23			
	350	4	22,23/25,4			
	400	4	22,23/25,4			

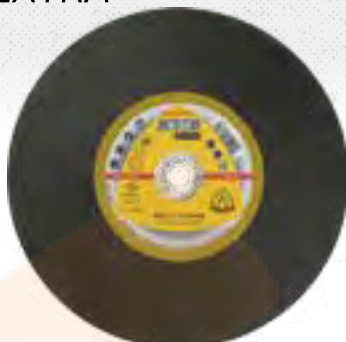
Kronenflex® large cutting-off wheels

for petrol driven saw / cutter



Cutting-off wheel

A 24 EXTRA



Class	EXTRA
Bond	■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □

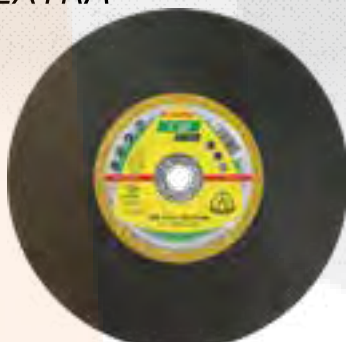
Applications
Metals ●

Advantages: Standard wheel with outstanding price-performance ratio - For universal use in metalworking - For use on gas powered freehand machines with a cutting speed of 80 m/s

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
300 x 3,5 x 20	—	80 m/s	5100 rpm	10	288221	11
300 x 3,5 x 22,23	—	80 m/s	5100 rpm	10	288222	11

Cutting-off wheel

C 24 EXTRA



Class	EXTRA
Bond	■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □

Applications
Stone/Concrete ●

Advantages: Optimal for all mineral materials due to sharp, coarse SiC grit - For use on gas powered freehand machines with a cutting speed of 80 m/s

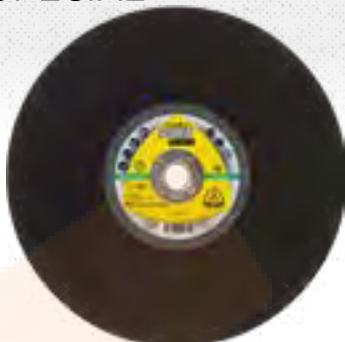
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
300 x 3,5 x 20	—	80 m/s	5100 rpm	10	288223	11
300 x 3,5 x 22,23	—	80 m/s	5100 rpm	10	288224	11

Kronenflex® large cutting-off wheels

for petrol driven saw / cutter with clamping device

Cutting-off wheel

A 924 R SPECIAL



Class	SPECIAL
Bond	■■■■■□□
Aggression	■■■■■■■□
Service life	■■■■■■■

Applications	
Steel	●
Stainless steel	○

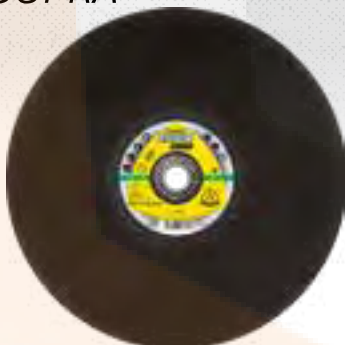
Advantages: Optimised bond for use on steel, also can be used on stainless steel - For use on gas powered freehand machines with a cutting speed of 100m/s - Freehand cutting of pipes, rods, profiles and solid materials

NEW

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
305 x 4 x 20	—	100 m/s	6400 rpm	10	354419	11
305 x 4 x 22,23	—	100 m/s	6400 rpm	10	354418	11
305 x 4 x 25,4	—	100 m/s	6400 rpm	10	354417	11
356 x 4 x 20	—	100 m/s	5500 rpm	10	354416	11
356 x 4 x 22,23	—	100 m/s	5500 rpm	10	354415	11
356 x 4 x 25,4	—	100 m/s	5500 rpm	10	354414	11

Cutting-off wheel

A 624 SX SUPRA



Class	SUPRA
Bond	■■■■■□□
Aggression	■■■■■■■
Service life	■■■■■□□



Applications	
Steel	●

Advantages: For universal use on all rail types - Top performing product for lower powered machines (<5kW) and hard rails - Fast cutting, due to softer bond - For use on gas powered cutting-off machines with a cutting speed of 100 m/s and clamping device

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
305 x 3,5 x 22,23	—	100 m/s	6400 rpm	10	353111	11
356 x 4 x 22,23	—	100 m/s	5500 rpm	10	351433	11
356 x 4 x 25,4	—	100 m/s	5500 rpm	10	340641	11
406 x 4 x 25,4	—	100 m/s	4800 rpm	10	351436	11

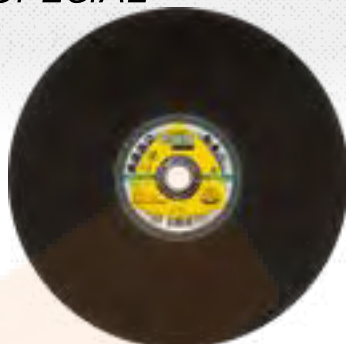
Kronenflex® large cutting-off wheels

for petrol driven saw / cutter with clamping device



Cutting-off wheel

A 924 SX SPECIAL

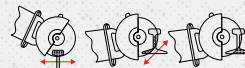


Class SPECIAL

Bond ■■■■■■□

Aggression ■■■■■■

Service life ■■■■■■



Applications

Steel ●

Advantages: For universal use on all rail types - Top performing product for high powered machines (>5kW) and hard rails - For use on gas powered cutting-off machines with a cutting speed of 100 m/s and clamping device - Excellent service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
305 x 3,5 x 22,23	■	100 m/s	6400 rpm	10	353093	11
356 x 4 x 22,23	■	100 m/s	5500 rpm	10	352325	11
356 x 4 x 25,4	■	100 m/s	5500 rpm	10	353097	11
406 x 4 x 25,4	■	100 m/s	4800 rpm	10	352324	11

Kronenflex® large cutting-off wheels

for stationary cutting

Cutting-off wheel

A 24 R SUPRA



Class	SUPRA										Applications
Bond	■	■	■	■	■	■	■	■	■	■	Steel ●
Aggression	■	■	■	■	■	■	■	■	■	■	Stainless steel ○
Service life	■	■	■	■	■	■	■	■	■	■	Castings ○

Advantages: Optimised combination for use on steel - Can be used on stainless steel - Good cutting properties - Optimal for stationary 3 - 5 kW cutting-off machines

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
250 x 3 x 32	—	100 m/s	7600 rpm	10	2465	11
300 x 3 x 22,23	—	100 m/s	6400 rpm	10	71365	11
300 x 3 x 25,4	—	100 m/s	6400 rpm	10	6793	11
300 x 3 x 30	—	100 m/s	6400 rpm	10	13524	11
300 x 3 x 32	—	100 m/s	6400 rpm	10	6807	11
350 x 3,5 x 25,4	—	100 m/s	5500 rpm	10	13528	11
350 x 3,5 x 32	—	100 m/s	5500 rpm	10	13536	11
400 x 4,5 x 25,4	—	100 m/s	4800 rpm	10	292933	11
400 x 4,5 x 32	—	100 m/s	4800 rpm	10	292932	11
400 x 4,5 x 40	—	100 m/s	4800 rpm	10	296567	11

Cutting-off wheel

A 24 N SUPRA



Class	SUPRA										Applications
Bond	■	■	■	■	■	■	■	■	■	■	Stainless steel ●
Aggression	■	■	■	■	■	■	■	■	■	■	Steel ○
Service life	■	■	■	■	■	■	■	■	■	■	Aluminium ○

Advantages: Hardened aluminium oxide - Special combination prevents loading of waste material - Optimal for stationary 3 - 5 kW cutting-off machines

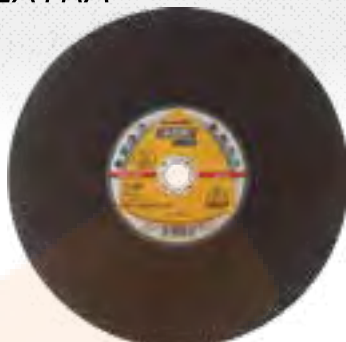
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
350 x 3,5 x 25,4	—	100 m/s	5500 rpm	10	13527	11

Kronenflex® large cutting-off wheels for chop saws



Cutting-off wheel

A 330 EXTRA



Class	EXTRA
Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □



Applications	
Steel	●
Stainless steel	⦿
Aluminium	⦿
Castings	⦿

Advantages: More stability during cutting due to two glass fibre reinforcement mesh - Good cutting speed with a long service life - Recommended for various materials and different profiles - Usable on chop saws in craft and industry

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
300 x 2,5 x 25,4	— —	80 m/s	5100 rpm	10	353327	11
356 x 2,5 x 25,4	— —	80 m/s	4400 rpm	10	353326	11
406 x 3 x 25,4	— —	80 m/s	3800 rpm	10	353329	11

Cutting-off wheel

A 630 N SUPRA



Class	SUPRA
Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □



Applications	
Steel	●
Stainless steel	⦿
Aluminium	⦿
Castings	⦿

Advantages: Aggressive performance with an outstanding service life - An exceptional choice for the cutting of solid material - Bond optimised for universal use - Low thermal load - Minimal burr formation

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
300 x 2,5 x 25,4	— —	80 m/s	5100 rpm	10	353325	11
356 x 2,5 x 25,4	— —	80 m/s	4400 rpm	10	353324	11
406 x 3,2 x 25,4	— —	80 m/s	3800 rpm	10	353328	11

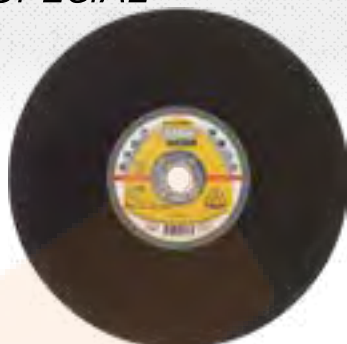
Kronenflex® large cutting-off wheels

for chop saws

Cutting-off wheel

A 930 N

SPECIAL



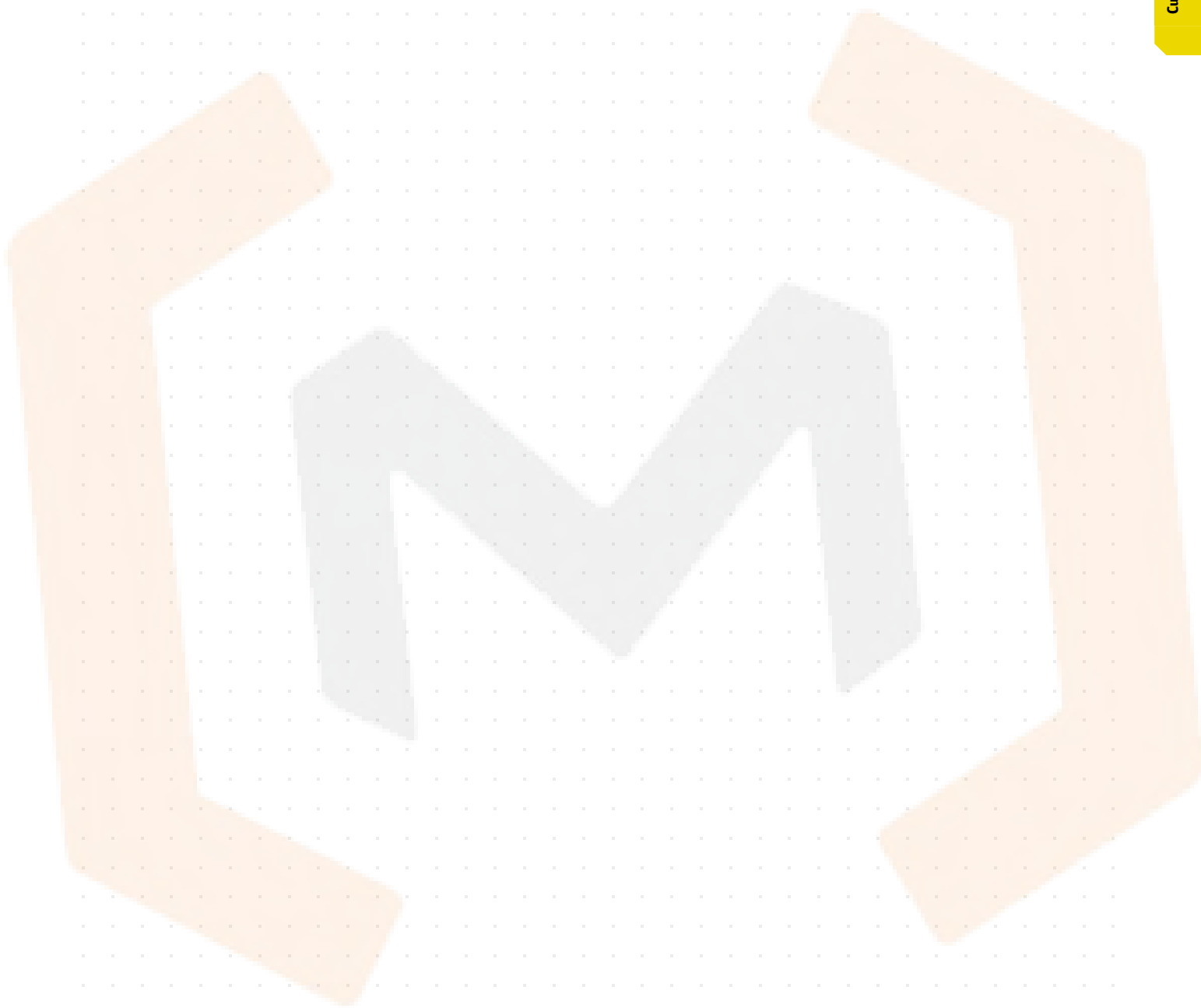
Class	SPECIAL
Bond	■ ■ ■ ■ ■ ■ ■ □
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■



Applications	
Steel	●
Stainless steel	○
Aluminium	○
Castings	○

Advantages: Ultimate aggression and service life for universal use (pipes, profiles, solid material) - Low thermal load and minimum burr formation due to one glass fibre reinforcement mesh - An exceptional choice for the cutting of solid material

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
300 x 2,5 x 25,4	—	80 m/s	5100 rpm	10	322627	11
350 x 3 x 25,4	—	80 m/s	4400 rpm	10	322628	11





Kronenflex® grinding discs

About the product

Kronenflex® grinding discs are characterised by their permanent high level of attack and maximum stock removal. The optimum relationship between performance and service life is guaranteed up to the complete use of the disc.

Kronenflex® grinding discs are used in all major surface grinding applications, as well as for edge bevelling and burr removal. Klingspor offers professional advice in selecting the right grinding disc for your application.

From general metalworking to material-related applications in steel, stainless steel and NF metals, to the more specialised requirements of the nuclear industry, Klingspor has the products you need. Discs for stone grinding and cup grinding wheels round off our range.

Our engineers are standing by to help you, should you have specific problems or technical questions. You may take advantage of our technical consulting services whether at Klingspor or directly on site.

You will find important information on the label marking, product lines, design, safety and application of grinding discs starting on page 243.

Practical tips

The rule of thumb also applies to grinding discs: the harder the material, the softer the bond of the grinding disc.

In addition, the application plays a very decisive role.

Corners and burrs have very sharp edges and easily tear the grit out of the bond. We recommend the use of a hard bond.

If on the other hand one is working on surfaces i.e. small welded seams, a disc that is too hard would easily become dull and no longer grip the material. The disc would achieve a good service life, but this would result in a low stock removal rate and high work costs.

For finish grinding the best disc bond is a medium or soft disc bond.

		Material applications													
Type	Thickness [mm]	Steel	Hardened steels	Tool steel	Stainless steel	High alloy steels	Corrosion and acid proof steels	Aluminium	Bronze	Copper	Brass	Zinc die-casting	Cast iron	Stone / concrete	Page
A 24 EXTRA	6,0–8,0	●	○	○	○	○	○					○	○		284
A 24 EXTRA T	6,0–8,0	●	○	○	○	○	○						○		284
A 24 R SUPRA	4,0–10	●	●	●	○	○	○						○		285
A 24 R/01 SPECIAL	4,0	●	●	●	○	○	○								285
A 24 N SUPRA INOX	6,0–8,0	○	●	○	●	●	●								286
A 24 R/36 SPECIAL	6,0	○	○	○	●	●	●								286
A 46 N SUPRA	6,0–8,0							●	○	○	○	○			287
A 46 VZ SPECIAL	2,0	○	○	●	●	●	●					○			287
A 624 T SUPRA	6,0	●	●	●	●	○	○					○	●		288
C 24 R SUPRA	6												○	●	288
A 16 R SUPRA	55	●											○		289
A 30 R SUPRA	55	●													289
C 16 R SUPRA	55												○	●	290
C 30 R SUPRA	55												○	●	290

● = main application ○ = possible applications

Kronenflex® grinding discs

for handheld machines

Grinding disc

A 24 EXTRA



Class	EXTRA
Bond	■■■■■□□□
Aggression	■■■■■□□□
Service life	■■■■■□□□

Applications
Metals ●

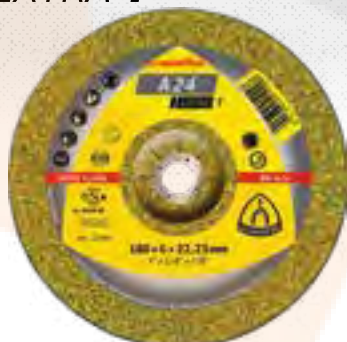


Advantages: Standard disc with excellent price-performance ratio - For universal use in metalworking - Excellent results on all standard angle grinders

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 6 x 16	■	80 m/s	15300 rpm	10	189004	11
115 x 6 x 22,23	■	80 m/s	13300 rpm	10	188465	11
115 x 6 x 22,23 X-LOCK	■	80 m/s	13300 rpm	10	351253	11
125 x 6 x 22,23	■	80 m/s	12200 rpm	10	188466	11
125 x 6 x 22,23 X-LOCK	■	80 m/s	12200 rpm	10	351252	11
150 x 6 x 22,23	■	80 m/s	10200 rpm	10	235371	11
180 x 6 x 22,23	■	80 m/s	8500 rpm	10	13444	11
180 x 8 x 22,23	■	80 m/s	8500 rpm	10	13446	11
230 x 6 x 22,23	■	80 m/s	6600 rpm	10	13447	11
230 x 8 x 22,23	■	80 m/s	6600 rpm	10	13448	11

Grinding disc

A 24 EXTRA T



Class	EXTRA
Bond	■■■■■□□□
Aggression	■■■■■□□□
Service life	■■■■■□□□

Applications
Metals ●

Advantages: Extra hard grinding disc - Optimal for edge work and for removal of stubborn burrs

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
180 x 6 x 22,23	■	80 m/s	8500 rpm	10	13794	11
180 x 8 x 22,23	■	80 m/s	8500 rpm	10	13445	11

Grinding disc

A 24 R SUPRA



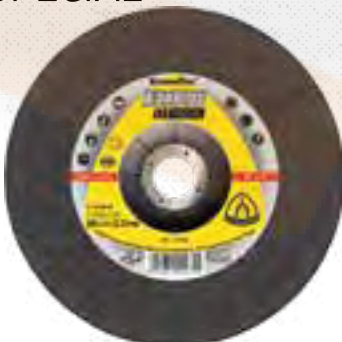
Class	SUPRA	Applications
Bond	■ ■ ■ ■ □ □ □	Steel ●
Aggression	■ ■ ■ ■ ■ □ □	Stainless steel ○
Service life	■ ■ ■ ■ □ □ □	Castings ○

Advantages: With optimised recipe for use on steel - Also suitable for use on stainless steel - Large product range

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 4 x 16	■	80 m/s	15300 rpm	10	13400	11
100 x 6 x 16	■	80 m/s	15300 rpm	10	6578	11
115 x 4 x 22,23	■	80 m/s	13300 rpm	10	13746	11
115 x 6 x 22,23	■	80 m/s	13300 rpm	10	13401	11
125 x 4 x 22,23	■	80 m/s	12200 rpm	10	240831	11
125 x 6 x 22,23	■	80 m/s	12200 rpm	10	13402	11
150 x 6 x 22,23	■	80 m/s	10200 rpm	10	13403	11
180 x 10 x 22,23	■	80 m/s	8500 rpm	10	13423	11
180 x 4 x 22,23	■	80 m/s	8500 rpm	10	13408	11
180 x 7 x 22,23	■	80 m/s	8500 rpm	10	13413	11
180 x 8 x 22,23	■	80 m/s	8500 rpm	10	13418	11
230 x 4 x 22,23	■	80 m/s	6600 rpm	10	13428	11
230 x 6 x 22,23	■	80 m/s	6600 rpm	10	13433	11
230 x 8 x 22,23	■	80 m/s	6600 rpm	10	13438	11

Grinding disc

A 24 R/01 SPECIAL



Class	SPECIAL	Applications
Bond	■ ■ ■ ■ □ □ □	Steel ●
Aggression	■ ■ ■ ■ ■ □ □	Stainless steel ○
Service life	■ ■ ■ □ □ □ □	

Advantages: Special disc for pipeline and tank construction - Suitable for root seams - For repair of weld seams

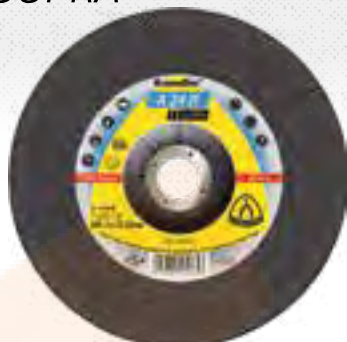
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
125 x 4 x 22,23	■	80 m/s	12200 rpm	10	130825	11
180 x 4 x 22,23	■	80 m/s	8500 rpm	10	13756	11

Kronenflex® grinding discs

for handheld machines

Grinding disc

A 24 N SUPRA



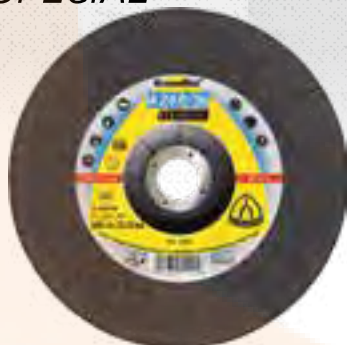
Class	SUPRA					Applications
Bond	■	■	■	□	□	Stainless steel ●
Aggression	■	■	■	■	□	Aluminium ○
Service life	■	■	■	□	□	

Advantages: High removal rate on stainless steel - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	2923	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	2922	11
180 x 4 x 22,23		80 m/s	8500 rpm	10	13407	11
180 x 6 x 22,23		80 m/s	8500 rpm	10	13412	11
180 x 8 x 22,23		80 m/s	8500 rpm	10	13417	11
230 x 6 x 22,23		80 m/s	6600 rpm	10	13432	11

Grinding disc

A 24 R/36 SPECIAL



Class	SPECIAL					Applications
Bond	■	■	■	□	□	Stainless steel ●
Aggression	■	■	■	■	□	
Service life	■	■	■	■	□	

Advantages: Special wheel for the nuclear industry - Free of iron, sulphur and chlorine - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	2488	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	2830	11
180 x 6 x 22,23		80 m/s	8500 rpm	10	2463	11

Grinding disc

A 46 N SUPRA



Class	SUPRA	Applications
Bond	■ ■ ■ ■ ■ ■ ■ ■	Aluminium ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	NF metals ○
Service life	■ ■ ■ ■ ■ ■ ■ ■	

Advantages: No clogging when used on non-ferrous metals - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	6622	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	2226	11
180 x 6 x 22,23		80 m/s	8500 rpm	10	13410	11
180 x 8 x 22,23		80 m/s	8500 rpm	10	13415	11

Thin cutting-off wheel & grinding disc

A 46 VZ SPECIAL



Class	SPECIAL	Applications
Bond	■ ■ ■ ■ ■ ■ ■ ■	Stainless steel ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	Steel ●
Service life	■ ■ ■ ■ ■ ■ ■ ■	NF metals ○

Advantages: Long service life - Multi-purpose: cutting off and light rough grinding with one wheel - High aggressiveness in cutting - No change of wheel necessary

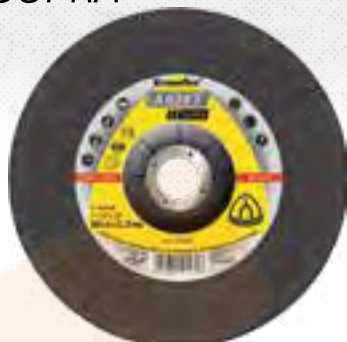
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 2 x 22,23		80 m/s	13300 rpm	25	298176	11
125 x 2 x 22,23		80 m/s	12200 rpm	25	298177	11

Kronenflex® grinding discs

for handheld machines

Grinding disc

A 624 T SUPRA



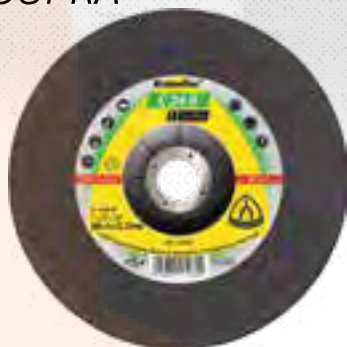
Class	SUPRA		Applications
Bond	■ ■ ■ ■ ■ ■ ■ ■	■	Steel ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	■	Stainless steel ●
Service life	■ ■ ■ ■ ■ ■ ■ ■	■	Castings ●

Advantages: Special recipe for use on various materials - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	325215	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	325216	11
180 x 6 x 22,23		80 m/s	8500 rpm	10	325217	11
230 x 6 x 22,23		80 m/s	6600 rpm	10	325218	11

Grinding disc

C 24 R SUPRA



Class	SUPRA		Applications
Bond	■ ■ ■ ■ ■ ■ ■ ■	■	Stone/Concrete ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	■	Castings ○
Service life	■ ■ ■ ■ ■ ■ ■ ■	■	

Advantages: Ideal for use on stone and mineral materials - High removal rate due to sharp, coarse SiC grain

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	6664	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	6665	11
180 x 6 x 22,23		80 m/s	8500 rpm	10	13409	11

Kronenflex® cup grinding wheels for handheld machines



Cup grinding wheel

A 16 R SUPRA



Class	SUPRA	Applications
Bond	■ ■ ■ ■ □ □ □ □	Steel ●
Aggression	■ ■ ■ ■ □ □ □ □	Castings ○
Service life	■ ■ ■ □ □ □ □ □	

Advantages: For surface grinding and finish grinding of weld seams - Coarse grain for optimised aggressiveness

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
110 x 55 x 22,23		50 m/s	8600 rpm	6	13729	11

Cup grinding wheel

A 30 R SUPRA



Class	SUPRA	Applications
Bond	■ ■ ■ ■ □ □ □ □	Steel ●
Aggression	■ ■ ■ ■ □ □ □ □	
Service life	■ ■ ■ □ □ □ □ □	

Advantages: For surface grinding and finish grinding of weld seams - Optimised aggressiveness and long service life

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
110 x 55 x 22,23		50 m/s	8600 rpm	6	13728	11

Please observe: Use only on angle grinders with cup grinding wheel guard.

Kronenflex® cup grinding wheels

for handheld machines

Cup grinding wheel

C 16 R

SUPRA



Class	SUPRA										Applications
Bond	■	■	■	■	■	■	■	■	■	■	Stone/Concrete ●
Aggression	■	■	■	■	■	■	■	■	■	■	Castings ○
Service life	■	■	■	■	■	■	■	■	■	■	

Advantages: For use on surfaces and edges - For stone and mineral materials - Optimised aggressiveness due to sharp, coarse SiC grain

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
110 x 55 x 22,23		50 m/s	8600 rpm	6	13727	11

Cup grinding wheel

C 30 R

SUPRA

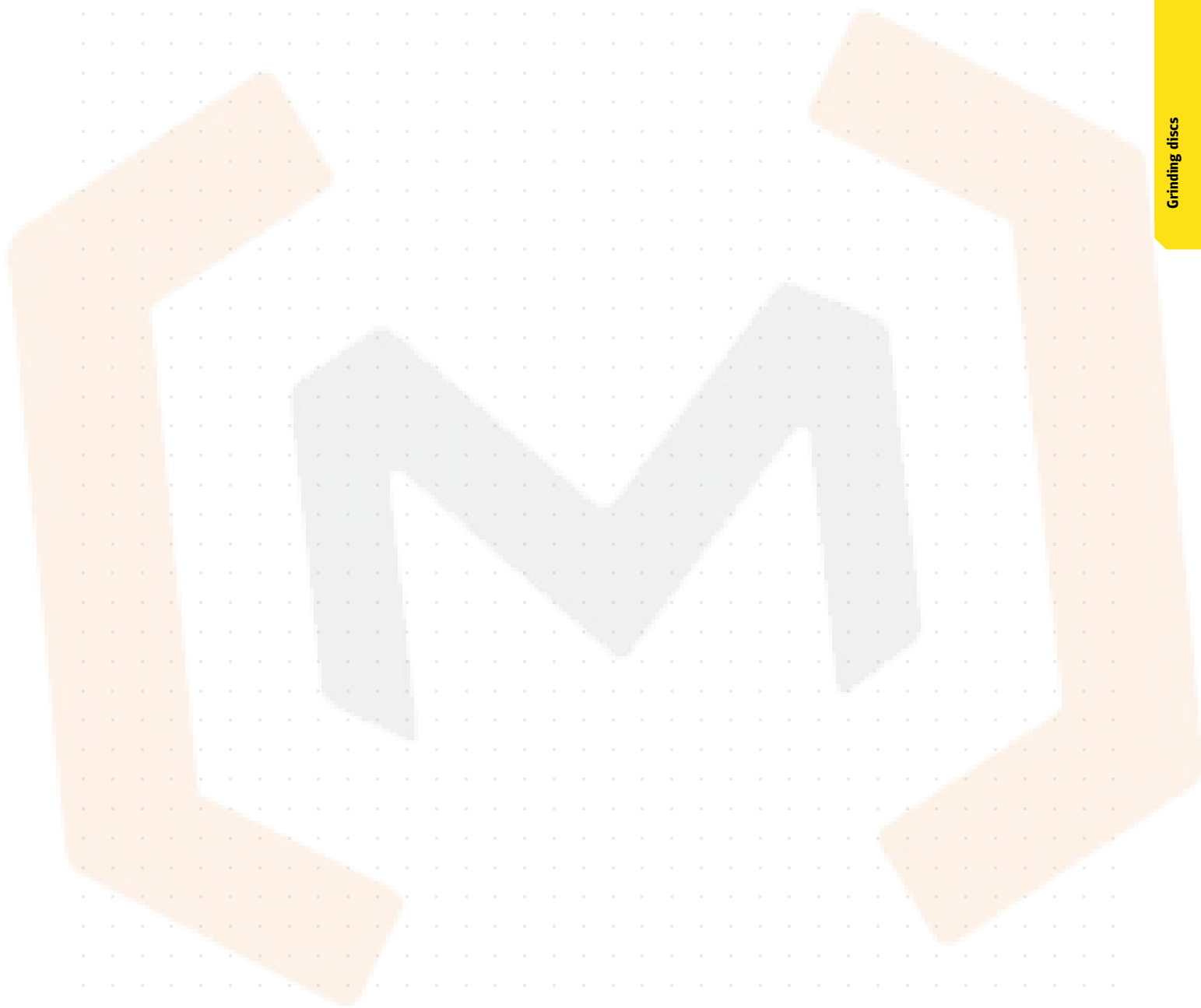


Class	SUPRA										Applications
Bond	■	■	■	■	■	■	■	■	■	■	Stone/Concrete ●
Aggression	■	■	■	■	■	■	■	■	■	■	Castings ○
Service life	■	■	■	■	■	■	■	■	■	■	

Advantages: For use on surfaces and edges - Ideal for stone and mineral materials due to sharp, coarse SiC grain

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
110 x 55 x 22,23		50 m/s	8600 rpm	6	13726	11

Please observe: Use only on angle grinders with cup grinding wheel guard.





Diamond tools



Remain in full control of all processes: staying true to this motto, Klingspor managed to rise to be one of the world's first manufacturers of grinding and cutting tools. The company is now applying their extensive experience in research and development and manufacturing, their global network of distributors and their highly efficient service and logistics structure to their diamond tools.

Product	Machine	Application - Material	SPECIAL	SUPRA	EXTRA	Page
Diamond cutting blades Ø 100 - 230 mm	Angle grinder	Universal	<i>DT 900 U</i>	<i>DT 600 U</i> <i>DT 612 UT</i>	<i>DT 300 U</i> <i>DT 350 U</i>	298-302
		Concrete	<i>DT 900 UD</i> <i>DT 900 UT</i> <i>DT 900 B</i>		<i>DT 300 UT</i> <i>DT 310 UT</i> <i>DT 350 B</i> <i>DT 350 BT</i>	302-303
		Granite	<i>DT 900 G</i>			304
		Tiles	<i>DT 900 FL</i> <i>DT 900 FT</i> <i>DT 900 FP</i>	<i>DT 600 GU</i> <i>DT 600 F</i>	<i>DT 300 F</i>	305-307
		Mortar joints		<i>DN 600 U</i>		308
		All Cut Metal		<i>DT 600 ACM</i>		307
		All Cut Rescue	<i>DT 900 ACR</i>			308
Cup grinding wheels	Angle grinder	Concrete		<i>DS 600 B</i> <i>DS 600 S</i>	<i>DS 300 B</i>	309-310
		Lime sandstone, screed and abrasive materials		<i>DS 600 A</i>		310
		Adapter M14			<i>DZ 114</i>	312
		Epoxy resin, tile adhesive	<i>DS 900 PKD</i>	<i>DS 650 PKD</i>		311
Diamond cutting blades Ø 250 - 500 mm	Petrol powered cutter, Table saw, Joint cutter	Universal	<i>DT 900 U</i> <i>DT 900 US</i>	<i>DT 600 U</i> <i>DT 612 UT</i>	<i>DT 300 U</i> <i>DT 310 UT</i> <i>DT 350 U</i>	313-317
		Tiles	<i>DT 900 FL</i>	<i>DT 600 F</i>	<i>DT 300 F</i>	317-318
		All Cut Rescue	<i>DT 900 ACR</i>			319
		Asphalt	<i>DT 902 A</i> <i>DT 910 A</i>	<i>DT 602 A</i> <i>DT 612 A</i>	<i>DT 350 A</i>	320-321
		Asphalt / concrete		<i>DT 612 AB</i>	<i>DT 350 AB</i>	322
		Green concrete	<i>DT 910 BF</i>			323
		Concrete	<i>DT 900 B</i> <i>DT 902 B</i> <i>DT 910 B</i>	<i>DT 602 B</i>	<i>DT 350 B</i> <i>DT 350 BT</i>	323-326
		Reduction rings			<i>DZ 100 RR</i>	326
Drill bits	Drill stand	Concrete	<i>DR 912 B</i>	<i>DK 612 B</i> <i>DK 654 B</i>		327-329
		Individual segments, ring segments	<i>DO 900 B</i>	<i>DE 600 B</i>		330
	Percussion drill	Concrete		<i>DD 600 U</i>		331
		Adapter kit			<i>ADS 200</i>	331
	Drilling machine	Tiles		<i>DB 600 F</i>		332
	Angle grinder	Tiles		<i>DK 600 F</i>		333
		Hole starting aid			<i>ABH 80</i>	334

The three product lines

The right tool for every application: Klingspor diamond tools are available in three product lines that are colour-coded to provide the user with a quick overview of the most important materials for which the tools are suitable.



SPECIAL

Product line 900 – High performance tools offering outstanding cutting performance and service life. For users who need their tools to perform at peak output and reliability even if subjected to the most punishing applications.



SUPRA

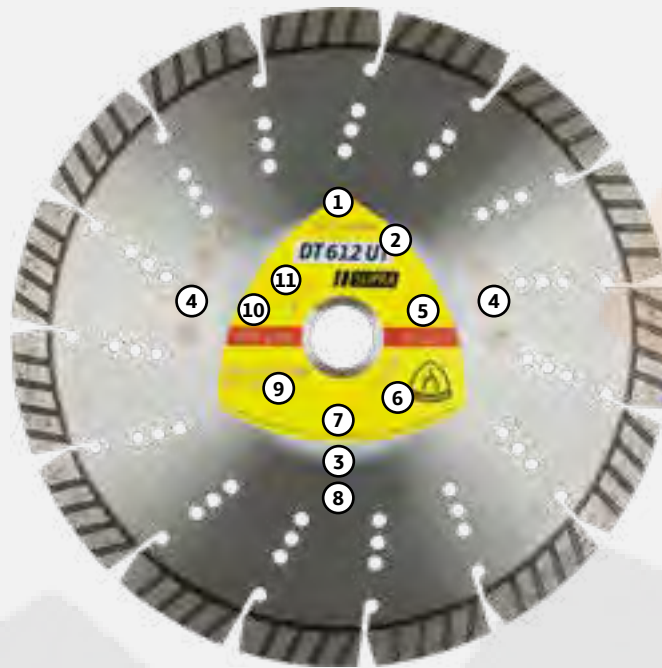
Product line 600 – Professional tools with an exceptional price-performance ratio. For users who require diamond tools that deliver reliable and powerful performance every day.



EXTRA

Product line 300 – Brand name quality at an affordable price. For users who expect their tools to meet professional standards, but do not need to use them continuously.

1. Klingspor cat. number
2. Product group / type
3. Applications
4. Safety pictograms
5. Max. operating speed
6. Klingspor logo



7. Information about the manufacturer
8. Safety standard
9. Dimensions in mm and inches
10. Max. RPM
11. Rotational direction

Colour coding system of the Klingspor® diamond tools

Asphalt

Black



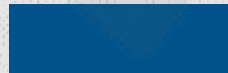
Tiles

Green



Stone / Fireproof

Blue



Concrete

Red



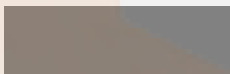
Universal

White



Metal

Grey



Special application

Yellow



Pictograms on the product pages



Wet and dry applications



Wet applications



Dry applications



Conical segment



Detenso steel core



Wet applications



Dry applications



Turbo segment



Drop segment



Inclined protective segment



Sandwich core

Diamond tools

Applications guide



1.

Standard gullet

- ▶ rapid feed rate
- ▶ exceptional cutting properties



2.

Turbo continuous rim

- ▶ exceptionally smooth operation
- ▶ clean cutting edges



3.

Continuous rim

- ▶ clean cutting edges
- ▶ work with superior precision
- ▶ short cutting times



4.

Turbo segments

- ▶ exceptionally smooth operation
- ▶ clean cutting edges
- ▶ fast cutting speed
- ▶ long service life



5.

Short segments

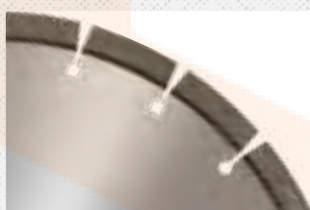
- ▶ first-rate cutting performance
- ▶ clean cutting edges



6.

Wide gullet

- ▶ high feed rate



7.

Narrow gullet

- ▶ clean cut
- ▶ exceptionally smooth operation thanks to narrow segment spacings



8.

Hammer segments

- ▶ prevent undercut and wear
- ▶ prevent segments tearing off
- ▶ optimal protection thanks to segments soldered in



9.

Continuous rim with special geometry

- ▶ for extra clean cutting edges
- ▶ soft and comfortable cutting performance



10.

Continuous rim with laser-cut slots

- ▶ for fine and clean cutting edges
- ▶ specially designed for ceramic and fine stoneware

Number of revolutions

Diamond tools made by Klingspor are high performance products and have been engineered to reach their highest level of performance at a level immediately below their maximum peripheral surface speeds. The maximum permissible values for motor speed and operating speed are indicated on every diamond blade. The table

below contains all permissible maximum speeds as a function of the diameter and the maximum permissible operating speed of the diamond tools.

	Maximum operating speed [m/s]									
	30	35	40	45	50	55	60	70	80	100
200	2865	3342	3820	4297	4775	5252	5730	6685	7640	
230	2491	2906	3322	3737	4152	4567	4982	5813	6643	
250	2292	2674	3056	3438	3820	4202	4584	5348	6112	
300	1910	2228	2547	2865	3183	3502	3820	4456	5093	6360
350	1637	1910	2183	2456	2728	3001	3274	3820	4366	5450
400	1432	1671	1910	2149	2387	2626	2865	3342	3820	4770
450	1273	1485	1698	1910	2122	2334	2547	2971	3395	4240
500	1146	1337	1528	1719	1910	2101	2292	2674	3056	3810
550	1042	1215	1389	1563	1736	1910	2084	2431	2778	
600	955	1114	1273	1432	1592	1751	1910	2228	2547	

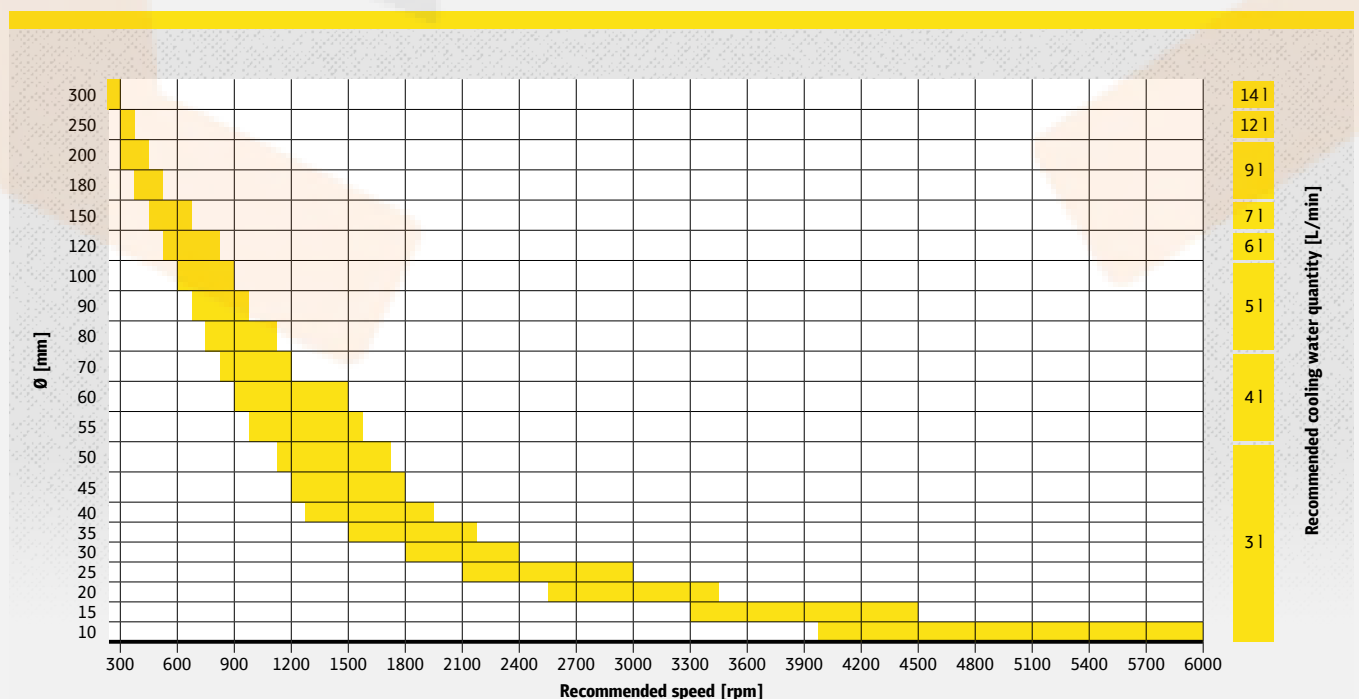
Motor speeds and cooling water quantity

The recommended speed range

The chart illustrates the ideal speed range for drill bits as a function of the diameter and the maximum permissible operating speed.

Recommended cooling water quantity

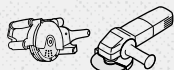
Drill bits require cooling with water regardless of the material on which they are used. Refer to the right side of the table for the recommended quantity of cooling water.



Diamond cutting blades for angle grinders

Diamond cutting blade

DT 300 U EXTRA



Properties

Design	Sintered
Segmentation	Standard
Aggression	■ ■ ■ □ □ □ □ □
Service life	■ ■ ■ □ □ □ □ □

Applications

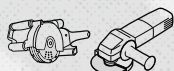
Construction materials	●
Concrete, universal	●

Advantages: Product for universal use on general construction materials - Excellent cutting performance - Great price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 37,3 / 1,6 / 7	1	325345	12
125 x 22,23	80 m/s	12200 rpm	9 / 36,4 / 1,6 / 7	1	325346	12
180 x 22,23	80 m/s	8500 rpm	13 / 38,1 / 2 / 7	1	325347	12
230 x 22,23	80 m/s	6600 rpm	16 / 40,2 / 2,3 / 7	1	325348	12

Diamond cutting blade

DT 350 U EXTRA



Properties

Design	Laser welded
Segmentation	Standard
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications

Construction materials	●
Concrete, universal	●

Advantages: Product with laser welded standard segments suitable for universal use on general construction materials - Smooth, fast and low-vibration cutting with unmatched service life - Optimum price-performance ratio

XLOCK !

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	336214	12
115 x 22,23 X-LOCK	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	350463	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	336215	12
125 x 22,23 X-LOCK	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	350464	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 10	1	336216	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	336219	12

Diamond cutting blade

DT 600 U SUPRA



XLOCK !

Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■■■■■□□
Service life	■■■■■□□

Applications

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●

Advantages: Suitable for a various range of applications - First-rate cutting performance - Exceptional service life thanks to the use of premium-grade raw materials and diamonds - Clean cutting edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16	80 m/s	15300 rpm	11 / 20 / 2,4 / 9	1	325025	12
115 x 22,23	80 m/s	13300 rpm	13 / 20 / 2,4 / 9	1	322630	12
115 x 22,23 X-LOCK	80 m/s	13300 rpm	13 / 20 / 2,4 / 9	1	350461	12
125 x 22,23	80 m/s	12200 rpm	15 / 20 / 2,4 / 9	1	322631	12
125 x 22,23 X-LOCK	80 m/s	12200 rpm	15 / 20 / 2,4 / 9	1	350462	12
140 x 22,23	80 m/s	11000 rpm	17 / 20 / 2,4 / 9	1	325046	12
150 x 22,23	80 m/s	10200 rpm	18 / 20 / 2,4 / 9	1	322632	12
180 x 22,23	80 m/s	8500 rpm	22 / 20 / 2,6 / 9	1	322633	12
230 x 22,23	80 m/s	6600 rpm	30 / 20 / 2,6 / 9	1	322634	12

Diamond cutting blade

DT 612 UT SUPRA



Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■□□
Service life	■■■■■□□

Applications

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●

Advantages: Special turbo segments for an extremely high cutting speed on almost all hard materials - Excellent service life even on reinforced concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	334044	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	334045	12
150 x 22,23	80 m/s	10200 rpm	11 / 33 / 2,4 / 12	1	345388	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	334046	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	334047	12

Diamond cutting blades for angle grinders

Diamond cutting blade

DT 900 U SPECIAL



Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■■■
Service life	■■■■■■■■



Applications

Construction materials	●	Hard stone	①
Concrete, universal	●		
Cured concrete, reinforced	●		
Chalky sandstone	●		

Advantages: Ultra-fast cutting speed on almost any hard material thanks to specially designed turbo segments - Further increased service life thanks to titanium-coated diamonds even on reinforced concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	325206	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	325209	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	325028	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325045	12

Diamond cutting blade

DT 900 UD SPECIAL



Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■■■
Service life	■■■■■■■■



Applications

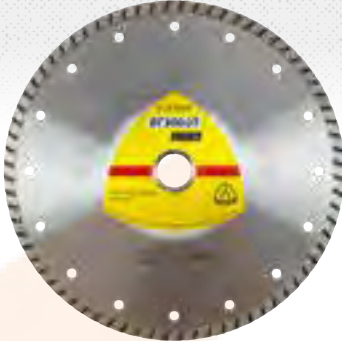
Cured concrete, reinforced	●	Hard stone	①
Concrete, universal	●		
Construction materials	●		
Chalky sandstone	●		

Advantages: Ultra fast cutting speed thanks to specially designed turbo segments - Low vibration detenso core for efficient noise reduction - Extended service life thanks to titanium-coated diamonds - Suitable for use on almost any hard material

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325210	12

Diamond cutting blade

DT 300 UT EXTRA



Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■□□□
Service life	■■■■□□□



Applications

Construction materials	●
Concrete, universal	●
Roof tiles	●

Advantages: Suitable for a various range of applications - Excellent cutting performance – Great price-performance ratio - Turbo segments for clean and chip-free edges - Ideal for roofers

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 1,9 / 7	1	330625	12
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,9 / 7	1	325353	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,9 / 7	1	325354	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 2,2 / 7	1	325355	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 7	1	325356	12

Diamond cutting blade

DT 310 UT EXTRA



Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■□□□
Service life	■■■■□□□



Applications

Construction materials	●
Concrete, universal	●
Roof tiles	●

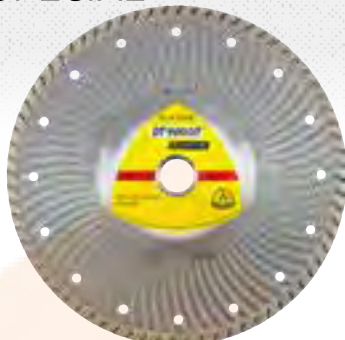
Advantages: All-purpose - Excellent cutting performance, great price-performance ratio - Turbo segments for clean and chip-free edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 2 / 10	1	334087	12
115 x 22,23	80 m/s	13300 rpm	CR / CR / 2 / 10	1	334088	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 2 / 10	1	334089	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 2,5 / 10	1	334090	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 10	1	334091	12

Diamond cutting blades for angle grinders

Diamond cutting blade

DT 900 UT SPECIAL



Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■■□
Service life	■■■■■□□



Applications

Concrete, universal	●
Roof tiles	●
Construction materials	●

Advantages: Wave-shaped steel core - Use on construction materials - Clean cutting edges - High aggressiveness

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 2,2 / 10	1	330626	12
115 x 22,23	80 m/s	13300 rpm	CR / CR / 2,2 / 10	1	325364	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 2,2 / 10	1	325365	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 2,5 / 10	1	325366	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 10	1	325367	12

Diamond cutting blade

DT 350 B EXTRA



Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□□
Service life	■■■■■□□



Applications

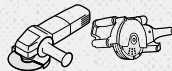
Concrete	●
Cured concrete, reinforced	●

Advantages: Diamond cutting disc with good price-performance ratio for working on concrete materials - Fast cutting with low vibration - Optimum service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	339828	12
150 x 22,23	80 m/s	10200 rpm	11 / 33 / 2,4 / 10	1	345382	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	339829	12

Diamond cutting blade

DT 350 BT EXTRA



Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■□
Service life	■■■■■□□



Applications

Concrete	●
Cured concrete, reinforced	⦿

NEW !

Advantages: Special turbo segments for an extremely high cutting speed on concrete and all concrete products - Fast and easy cutting with low vibration - Optimum service life - Optimum price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	354790	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	354791	12
150 x 22,23	80 m/s	10200 rpm	11 / 33 / 2,4 / 10	1	354792	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 10	1	354793	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	354794	12

Diamond cutting blade

DT 900 B SPECIAL



Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■
Service life	■■■■■



Applications

Cured concrete, reinforced	●
Concrete, universal	●
Chalky sandstone	⦿
Construction materials	⦿

Advantages: Titanium-coated diamonds for first-rate cutting performance - Fast cutting speed even on reinforced concrete - Unrivalled service life - Designed for professional applications on concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	325205	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	325208	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	325027	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325034	12

Diamond cutting blades for angle grinders

Diamond cutting blade

DT 600 GU SUPRA



Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□□
Service life	■■■■■□□



Applications

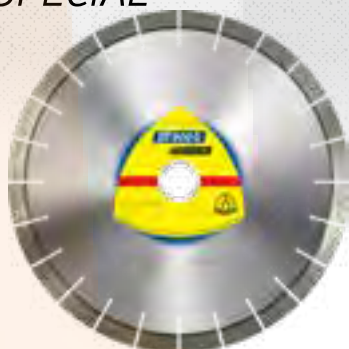
Granite	●
Terrazzo	●

Advantages: High stock removal rate - Excellent service life - Clean cutting - Great price-performance ratio - Suitable for all types of granite

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	336614	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	336615	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 10	1	336616	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	336617	12

Diamond cutting blade

DT 900 G SPECIAL



Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■
Service life	■■■■■



Applications

Granite	●
Porphyry, quartzite	●
Terrazzo	●

Advantages: Tapered segments with particularly narrow spacing - Low vibration detenso core for smooth and quiet cutting - Clean cutting edges - Long service life - Perfect choice for all types of granite including porphyry and quartzite

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	12 / 28 / 2,5 / 12	1	325029	12
125 x 22,23	80 m/s	12200 rpm	13 / 28 / 2,5 / 12	1	325031	12
180 x 22,23	80 m/s	8500 rpm	18 / 28 / 2,8 / 12	1	325049	12
230 x 22,23	80 m/s	6600 rpm	24 / 28 / 2,8 / 12	1	325115	12

Diamond cutting blade

DT 300 F EXTRA



Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■□□□□
Service life	■■■■□□□□



Applications

Tiles	●
Stove tiles	●

Advantages: Clean edges when used for cutting tiles - Attractively priced quality wheel

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 1,6 / 7	1	330623	12
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,6 / 7	1	325357	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,6 / 7	1	325358	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325359	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 1,9 / 7	1	325360	12

Diamond cutting blade

DT 600 F SUPRA



Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■□□□□
Service life	■■■■□□□□



Applications

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

Advantages: Professional wheel for tiles and feldspar - For high precision working - Short cutting-off times - Clean edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 1,6 / 7	1	330624	12
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,6 / 7	1	325368	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,6 / 7	1	325369	12
150 x 22,23	80 m/s	10200 rpm	CR / CR / 1,6 / 7	1	325370	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325371	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 1,9 / 7	1	325372	12

Diamond cutting blades for angle grinders

Diamond cutting blade

DT 900 FL SPECIAL



Properties

Design	Sintered
Segmentation	Continuous rim, with laser-cut slots
Aggression	■■■■■■■□
Service life	■■■■■■■□



Applications

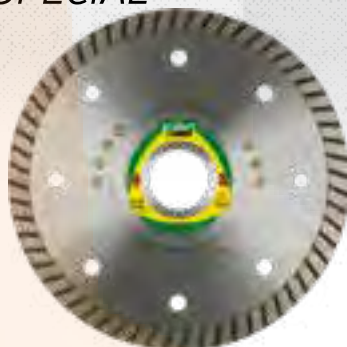
Wall tiles	●	Marble	●
Floor tiles	●		
Porcelain	●		
Ceramics	●		

Advantages: High precision tool for hard wall and floor tiles - Laser-cut slots for exceptionally smooth operation and perfectly cut edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,4 / 7	1	331042	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,4 / 7	1	331043	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	331044	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 1,8 / 7	1	331041	12

Diamond cutting blade

DT 900 FT SPECIAL



Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■■■■
Service life	■■■■■■■□



Applications

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●
Granite	●

Advantages: 1.4 mm thin professional blade for extremely demanding applications - Work results of superior quality - Continuous rim with turbo segments - Clean and chip-free edges

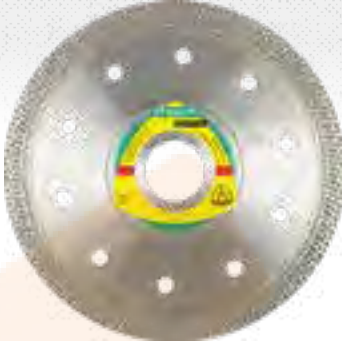
Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 1,4 / 7,5	1	330627	12
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,4 / 7,5	1	325392	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,4 / 7,5	1	325393	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 2 / 7	1	330628	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2 / 7	1	330629	12

Diamond cutting blades for angle grinders



Diamond cutting blade

DT 900 FP SPECIAL



Properties

Design	Sintered
Segmentation	Continuous rim, with special geometry
Aggression	■■■■■■■
Service life	■■■■■■■□



Applications

Hard floor tiles	●	Ceramics	●
Porcelain	●		
Hard wall tiles	●		
Hard fine stoneware	●		

Advantages: Extra thin disc for hard tiles and porcelain - The special geometry allows for superior cutting speeds and perfectly cut edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,4 / 10	1	331039	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,4 / 10	1	331040	12

Diamond cutting blade

DT 600 ACM SUPRA



Properties

Design	Vacuum-brazed
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□



Applications

Steel	●	Castings	●
Stainless steel	●	Aluminium	●
Metals	●		
NF metals	●		

Advantages: Vacuum-brazed disc for almost all metallic materials - No wear behaviour as with conventional diamond cutting blades and therefore almost odourless and dirt-free - Extra thin blade for high cutting performance and aggressiveness

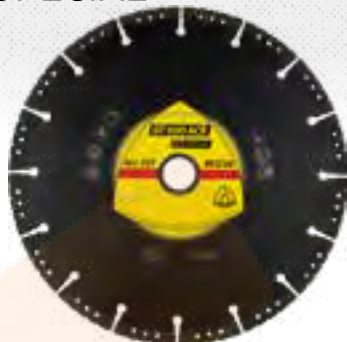
Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 42 / 1,3 / 1,8	1	355720	12
125 x 22,23	80 m/s	12200 rpm	10 / 36 / 1,3 / 1,8	1	355722	12
230 x 22,23	80 m/s	6600 rpm	16 / 42 / 1,6 / 1,8	1	355721	12

NEW !

Diamond cutting blades for angle grinders

Diamond cutting blade

DT 900 ACR SPECIAL



Properties

Design	Vacuum-brazed
Segmentation	Narrow gullet
Aggression	■■■■■■■■
Service life	■■■■■■■■



Applications

Construction materials	●	Plastic	●
Concrete, universal	●	Rubber	●
Glass	●		
Wood-based materials	●		

NEW



Advantages: Vacuum-brazed diamond cutting blade for almost all materials - Very wide range of applications due to special manufacturing process - 10 mm high diamond coating for a good service life and an aggressive cut for very different and demanding materials - Ideal for rescue services

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
115 x 22,23	80 m/s	13300 rpm	6 / 56 / 2,8 / 10	1	355723	12
125 x 22,23	80 m/s	12200 rpm	6 / 45 / 2,8 / 10	1	355724	12
230 x 22,23	80 m/s	6600 rpm	12 / 56 / 3,1 / 10	1	355725	12

Broaching wheel

DN 600 U SUPRA



Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□



Applications

Mortar joints	●
Plaster	●
Aerated concrete	●

Advantages: Special broaching wheel with robust design for removing mortar from bricks, natural stones and clinker facades - Specially designed hammer segments - Optimum protection of the steel core

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
80 x 22,23	80 m/s	19100 rpm	6 / 30 / 6 / 7	1	330630	12
115 x 22,23	80 m/s	13300 rpm	9 / 32 / 6 / 7	1	330631	12
115 x 22,23	80 m/s	13300 rpm	9 / 32 / 8 / 7	1	330658	12
115 x 22,23	80 m/s	13300 rpm	9 / 32 / 10 / 7	1	330663	12
115 x 22,23	80 m/s	13300 rpm	9 / 33 / 4,5 / 7	1	325380	12
125 x 22,23	80 m/s	12200 rpm	10 / 32 / 6 / 7	1	330632	12
125 x 22,23	80 m/s	12200 rpm	10 / 32 / 8 / 7	1	330662	12
125 x 22,23	80 m/s	12200 rpm	10 / 32 / 10 / 7	1	330664	12
125 x 22,23	80 m/s	12200 rpm	10 / 33 / 4,5 / 7	1	325381	12

Diamond cup grinding wheels for angle grinders



Diamond cup grinding wheel

DS 300 B EXTRA



Properties

Design	Brazed
Segmentation	Standard
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □



Applications

Concrete	●
Screed	●
Construction materials	●

Advantages: Double row cup grinding wheel with outstanding stock removal performance - High aggressiveness at low force requirements - Exceptional price-performance ratio - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	20	80 m/s	15300 rpm	14 / 7 / 5,5	1	330622	12
115 x 22,23	20	80 m/s	13300 rpm	14 / 8,2 / 5,5	1	325361	12
125 x 22,23	24,5	80 m/s	12200 rpm	18 / 7 / 5	1	325362	12
180 x 22,23	30,5	80 m/s	8500 rpm	22 / 8 / 5	1	325363	12

Diamond cup grinding wheel

DS 600 B SUPRA



Properties

Design	Brazed
Segmentation	Standard
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □



Applications

Concrete	●
Screed	●
Construction materials	●

Advantages: Double row cup grinding wheel for machining concrete and abrasive materials - Efficient dust extraction - Aggressive grinding performance - Long service life - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	20	80 m/s	15300 rpm	16 / 8,5 / 5,5	1	330621	12
115 x 22,23	20	80 m/s	13300 rpm	16 / 8,2 / 5,5	1	325377	12
125 x 22,23	23,5	80 m/s	12200 rpm	20 / 7,2 / 5,5	1	325378	12
180 x 22,23	30,5	80 m/s	8500 rpm	24 / 8 / 5,5	1	325379	12

Diamond cup grinding wheels for angle grinders

Diamond cup grinding wheel

DS 600 S SUPRA



Properties

Design	Brazed
Segmentation	Standard
Aggression	■■■■■□□
Service life	■■■■■□□



Applications

Concrete	●	Brickwork	●
Firebrick	●		
Natural stone	●		
Masonry	●		

Advantages: Excellent dust extraction thanks to specially designed (fan-shaped) opening - Low weight due to lightweight steel plate - Rugged performance and operation with minimum vibrations - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	20,5	80 m/s	15300 rpm	16 / 7,2 / 5,5	1	331022	12
115 x 22,23	20,5	80 m/s	13300 rpm	16 / 7,2 / 5,5	1	331023	12
125 x 22,23	20,5	80 m/s	12200 rpm	16 / 7,2 / 5,5	1	331024	12
180 x 22,23	30,5	80 m/s	8500 rpm	24 / 7,8 / 5,5	1	331025	12

Diamond cup grinding wheel

DS 600 A SUPRA



Properties

Design	Brazed
Segmentation	Standard
Aggression	■■■■■□□
Service life	■■■■■□□



Applications

Asphalt	●	Sandstone	●
Abrasive materials	●		
Green concrete	●		
Aerated concrete	●		

Advantages: An ideal match with all types of abrasive materials - Outstanding grinding performance combined with a long service life - Fast and smooth grinding of surfaces thanks to double row segments - Extended service life due to optimised matrix and diamonds - Simple dust extraction through openings in the steel enclosure - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Discount group
100 x 16 / 22,23	20	80 m/s	15300 rpm	14 / 8,2 / 5,5	1	331026	12
115 x 22,23	20	80 m/s	13300 rpm	14 / 8,2 / 5,5	1	331027	12
125 x 22,23	24,5	80 m/s	12200 rpm	18 / 7,2 / 5	1	331028	12
180 x 22,23	30,5	80 m/s	8500 rpm	22 / 7,8 / 5,3	1	331029	12

Diamond cup grinding wheels for angle grinders



Diamond cup grinding wheel

DS 650 PKD SUPRA



Properties

Design	Brazed
Aggression	■■■■■■■□
Service life	■■■■■■■□



Applications

Epoxy resin	●	Bitumen	●
Adhesive	●	Paint	●
Coatings	●	Glue	●
Filler	●		

NEW !

Advantages: PCD (Poly Crystalline Diamonds) cup grinding wheel with good stock removal on hard resins and adhesive residues - Good dust removal - Aggressive grinding performance - Support segments for a smooth and low-vibration grinding process - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Discount group
125 x 22,23	21,6	80 m/s	12200 rpm	6 / 13 / 3,6	1	355953	12
180 x 22,23	29	80 m/s	8500 rpm	6 / 13 / 4	1	355940	12

Diamond cup grinding wheel

DS 900 PKD SPECIAL



Properties

Design	Brazed
Aggression	■■■■■■■
Service life	■■■■■■■



Applications

Adhesive	●	Bitumen	●
Epoxy resin	●	Paint	●
Filler	●	Glue	●
Coatings	●		

NEW !

Advantages: Ultra-aggressive polycrystalline diamond cutting wedges enable the cup grinding wheel to remove hard and solid coatings - Support segments for a smooth and low-vibration grinding process - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Discount group
125 x 22,23	21	80 m/s	12200 rpm	6 / 5 / 3,5	1	355941	12
180 x 22,23	21,5	80 m/s	8500 rpm	8 / 5 / 3,5	1	355948	12

Adapter

Adapter M14

DZ 114

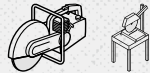


Advantages: For retooling diamond cup grinding wheels with a Ø 22,23 mm hole to an M14 spindle size - Suitable for all Klingspor diamond cup grinding wheels

Mounting	Packing unit/pcs.	Cat. number	Discount group
thread M14	1	331332	14

Diamond cutting blade

DT 300 U EXTRA



Properties

Design	Sintered
Segmentation	Standard
Aggression	■■■■□□□□
Service life	■■■■□□□□



Applications

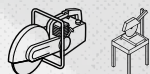
Construction materials	●
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Advantages: Product for universal use on general construction materials - Excellent cutting performance - Great price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	17 / 50,1 / 2,8 / 7	1	326831	12
300 x 25,4	100 m/s	6400 rpm	17 / 50,1 / 2,8 / 7	1	325349	12
300 x 30	100 m/s	6400 rpm	17 / 50,1 / 2,8 / 7	1	325351	12
350 x 25,4	100 m/s	5500 rpm	20 / 50,1 / 2,8 / 7	1	325350	12
350 x 30	100 m/s	5500 rpm	20 / 50,1 / 2,8 / 7	1	325352	12

Diamond cutting blade

DT 310 UT EXTRA



Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■□□□□
Service life	■■■■□□□□



Applications

Construction materials	●
Concrete, universal	●

Advantages: Suitable for a comprehensive range of applications - Excellent cutting performance, great price-performance ratio - Continuous rim with turbo segments for clean and chip-free edges - 10 mm tall cutting edge

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	CR / CR / 3 / 10	1	334092	12
300 x 25,4	100 m/s	6400 rpm	CR / CR / 3 / 10	1	339121	12
350 x 20	100 m/s	5500 rpm	CR / CR / 3 / 10	1	334093	12
350 x 25,4	100 m/s	5500 rpm	CR / CR / 3 / 10	1	339123	12

Diamond cutting blades for petrol powered cutters, table saws and joint cutters

Diamond cutting blade

DT 350 U EXTRA



Properties

Design	Laser welded
Segmentation	Standard
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications

Construction materials	●
Concrete, universal	●

Advantages: Product with laser welded standard segments - Suitable for universal use on general construction materials - Smooth, fast and low vibration cutting with unmatched service life - Optimum price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	336223	12
300 x 25,4	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	336220	12
350 x 20	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	336224	12
350 x 25,4	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	336221	12
400 x 25,4	100 m/s	4800 rpm	28 / 40 / 3,6 / 10	1	347486	12

Diamond cutting blade

DT 600 U SUPRA



Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●

Advantages: High cutting performance - Long service life thanks to the use of premium-grade raw materials and diamonds - Clean cutting edges - Effortless cutting due to short serrated segments

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	32 / 24 / 2,8 / 10	1	325183	12
300 x 25,4	100 m/s	6400 rpm	32 / 24 / 2,8 / 10	1	325184	12
300 x 30	100 m/s	6400 rpm	32 / 24 / 2,8 / 10	1	325185	12
350 x 20	100 m/s	5500 rpm	37 / 24 / 3 / 10	1	325194	12
350 x 25,4	100 m/s	5500 rpm	37 / 24 / 3 / 10	1	325195	12
350 x 30	100 m/s	5500 rpm	37 / 24 / 3 / 10	1	325196	12
400 x 20	100 m/s	4800 rpm	43 / 24 / 3,6 / 10	1	347484	12
400 x 25,4	100 m/s	4800 rpm	43 / 24 / 3,6 / 10	1	347485	12
400 x 30	100 m/s	4800 rpm	43 / 24 / 3,6 / 10	1	347527	12



Diamond cutting blades for petrol powered cutters, table saws and joint cutters

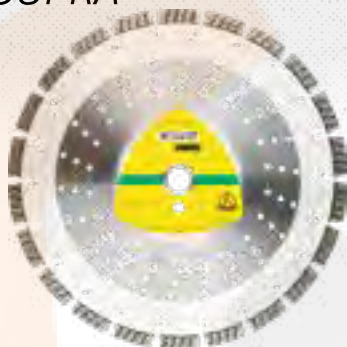


►► Continuation of DT 600 U SUPRA, Diamond cutting blade

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
450 x 25,4	100 m/s	4300 rpm	48 / 24 / 3,6 / 10	1	325201	12
450 x 30	100 m/s	4300 rpm	48 / 24 / 3,6 / 10	1	325200	12
500 x 25,4	100 m/s	3900 rpm	54 / 24 / 3,6 / 10	1	325203	12
500 x 30	100 m/s	3900 rpm	54 / 24 / 3,6 / 10	1	325202	12

Diamond cutting blade

DT 612 UT SUPRA



Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■■□
Service life	■■■■■■■□

Applications

Concrete, universal	●
Cured concrete, reinforced	●
Construction materials	●

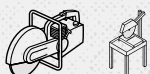
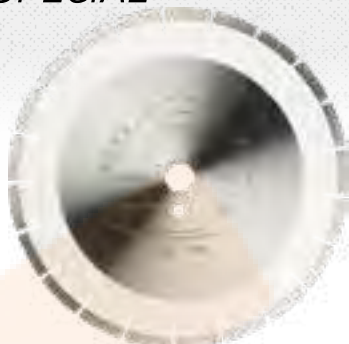
Advantages: Special turbo segments for an extremely high cutting speed on almost all hard materials - Excellent service life even on reinforced concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	340224	12
300 x 25,4	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	340229	12
350 x 20	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	340227	12
350 x 25,4	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	340230	12
400 x 20	100 m/s	4800 rpm	26 / 40 / 3,6 / 12	1	347482	12
400 x 25,4	100 m/s	4800 rpm	26 / 40 / 3,6 / 12	1	347493	12

Diamond cutting blades for petrol powered cutters and table saws

Diamond cutting blade

DT 900 U SPECIAL



Properties

Design	Laser welded
Segmentation	Narrow/wide gullet
Aggression	■■■■■■■■
Service life	■■■■■■■■

Applications

Construction materials	●	Granite	●
Concrete, universal	●		
Cured concrete, reinforced	●		
Chalky sandstone	●		

Advantages: Suitable for a wide range of applications - Ultra fast cutting speed - Special segment bond for long service life and clean cuts - Engineered for professional use

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325053	12
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	325067	12
300 x 30	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325052	12
300 x 30	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	325066	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3 / 10	1	325085	12
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325100	12
350 x 30	100 m/s	5500 rpm		21 / 40 / 3 / 10	1	325084	12
350 x 30	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325099	12
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,6 / 10	1	349233	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349246	12
400 x 30	100 m/s	4800 rpm		28 / 40 / 3,6 / 10	1	349234	12
400 x 30	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349245	12
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,6 / 10	1	325133	12
450 x 25,4	100 m/s	4300 rpm		32 / 40 / 3,6 / 10	1	325176	12
450 x 30	100 m/s	4300 rpm		26 / 40 / 3,6 / 10	1	325132	12
450 x 30	100 m/s	4300 rpm		32 / 40 / 3,6 / 10	1	325175	12
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	325155	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	325164	12
500 x 30	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	325154	12
500 x 30	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	325163	12
600 x 25,4	100 m/s	3200 rpm		36 / 40 / 3,7 / 10	1	345023	12

Diamond cutting blade

DT 900 US SPECIAL



Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■
Service life	■■■■■■■



Applications

Cured concrete, reinforced	●	Granite	●
Concrete, universal	●		
Construction materials	●		
Chalky sandstone	●		

Advantages: Universal high performance tool - Extremely high cutting speed - Special segment bond for long service life and clean cuts - Engineered for professional use - Ideally suited for low noise work environments thanks to sandwich core

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	334062	12
300 x 30	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	336725	12
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	334063	12
350 x 30	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	336726	12
450 x 25,4	100 m/s	4300 rpm		32 / 40 / 3,6 / 10	1	334065	12
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	334066	12

Diamond cutting blade

DT 300 F EXTRA



Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■□□□
Service life	■■■■□□□



Applications

Tiles	●
Stove tiles	●

Advantages: Standard tool for clean and chip-free edges - Good price-performance ratio - Reduction ring from 30 mm to 25,4 mm included

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
200 x 25,4 / 30	80 m/s	7600 rpm	CR / CR / 1,9 / 7	1	325454	12

Diamond cutting blades for table saws

Diamond cutting blade

DT 600 F SUPRA



Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■■□□
Service life	■■■■■□□



Applications

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

Advantages: Professional wheel for tiles and feldspar - Continuous rim for clean and chip-free edges - Reduction ring from 30 mm to 25,4 mm included

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
180 x 25,4 / 30	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325455	12
200 x 25,4 / 30	80 m/s	7600 rpm	CR / CR / 1,9 / 7	1	325373	12
250 x 25,4 / 30	80 m/s	6100 rpm	CR / CR / 1,9 / 7	1	325374	12
300 x 25,4 / 30	100 m/s	6400 rpm	CR / CR / 2 / 7	1	325375	12
350 x 25,4 / 30	100 m/s	5500 rpm	CR / CR / 2 / 7	1	325376	12

Diamond cutting blade

DT 900 FL SPECIAL



Properties

Design	Sintered
Segmentation	Continuous rim, with laser-cut slots
Aggression	■■■■■□□
Service life	■■■■■□□



Applications

Wall tiles	●	Marble	●
Floor tiles	●		
Porcelain	●		
Ceramics	●		

Advantages: High precision tool for hard wall and floor tiles - Laser cut slots for exceptionally smooth operation and perfectly cut edges - Reduction ring from 30 mm to 25,4 mm included

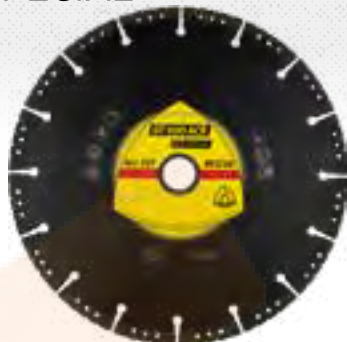
Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
180 x 25,4 / 30	100 m/s	10650 rpm	CR / CR / 1,6 / 7	1	331045	12
200 x 25,4 / 30	100 m/s	9550 rpm	CR / CR / 1,6 / 7	1	331046	12
230 x 25,4 / 30	100 m/s	8350 rpm	CR / CR / 1,8 / 7	1	331048	12
250 x 25,4 / 30	100 m/s	7600 rpm	CR / CR / 2 / 7	1	331047	12
300 x 25,4 / 30	100 m/s	6400 rpm	CR / CR / 2,2 / 7	1	331049	12
350 x 25,4 / 30	100 m/s	5500 rpm	CR / CR / 2,2 / 7	1	331050	12

Diamond cutting blades for petrol powered cutters and joint cutters



Diamond cutting blade

DT 900 ACR SPECIAL



Properties

Design	Vacuum-brazed
Segmentation	Narrow gullet
Aggression	■■■■■■■■
Service life	■■■■■■■■



Applications

Construction materials	●	Plastic	●
Concrete, universal	●	Rubber	●
Glass	●		
Wood-based materials	●		

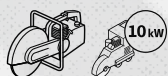
NEW !

Advantages: Vacuum-brazed diamond cutting blade for almost all materials - Very wide range of applications due to special manufacturing process - 10 mm high diamond coating for a good service life and an aggressive cut for very different and demanding materials - Ideal for rescue services

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	16 / 57 / 3,1 / 6	1	355726	12
300 x 25,4	100 m/s	6400 rpm	16 / 57 / 3,1 / 6	1	355727	12
350 x 20	100 m/s	5500 rpm	20 / 53 / 3,1 / 6	1	355729	12
350 x 25,4	100 m/s	5500 rpm	20 / 53 / 3,1 / 6	1	355728	12

Diamond cutting blade

DT 350 A EXTRA



Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■□□□□
Service life	■■■■□□□□



Applications

Asphalt	●
Sandstone	●

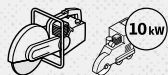
Advantages: Diamond cutting blade for general repairs with an outstanding price-performance ratio - Specially engineered for applications on asphalt - Inclined protective segments prevent the premature wearing of the welds which can lead to segment loss on standard blades

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	337731	12
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	337729	12
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	337732	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	337730	12
400 x 20	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349236	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349237	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	337734	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	337735	12

Diamond cutting blades for petrol powered cutters and joint cutters

Diamond cutting blade

DT 602 A SUPRA



Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□
Service life	■■■■■□□

Applications

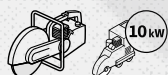
Asphalt	●
Sandstone	●

Advantages: First-rate cutting performance - Protective segments to guard the blade - Great price-performance ratio - Specially engineered for applications on asphalt - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	327025	12
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325060	12
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	327026	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	325092	12
400 x 20	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349228	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349240	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	325128	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	325171	12

Diamond cutting blade

DT 612 A SUPRA



Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□
Service life	■■■■■□□

Applications

Asphalt	●
Sandstone	●

Advantages: High cutting speed combined with excellent service life - Protective segments to shield the core - Specially designed for applications on asphalt - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	330075	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	330076	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349227	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	330078	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	330079	12

Diamond cutting blade

DT 902 A SPECIAL



Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■■■
Service life	■■■■■■■□

Applications

Asphalt	●
Sandstone	●
Green concrete	●
Screed	●

Advantages: Very high cutting performance - 12 mm high segments - Protective segments to guard the blade

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 12	1	325062	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	325094	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 12	1	349239	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 12	1	325130	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 12	1	325173	12

Diamond cutting blade

DT 910 A SPECIAL



Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■□
Service life	■■■■■■■

Applications

Asphalt	●
Sandstone	●
Green concrete	●
Screed	●

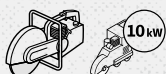
Advantages: Good cutting performance - 12 mm high segments - Protective segments to guard the blade - Exceptional service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 12	1	325077	12
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3,2 / 12	1	325110	12
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,6 / 12	1	349229	12
450 x 25,4	100 m/s	4300 rpm		30 / 40 / 3,7 / 12	1	325161	12
500 x 25,4	100 m/s	3900 rpm		35 / 40 / 3,7 / 12	1	325189	12

Diamond cutting blades for petrol powered cutters and joint cutters

Diamond cutting blade

DT 350 AB EXTRA



Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□□
Service life	■■■■■□□□

Applications

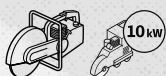
Asphalt	●
Concrete	●

Advantages: Multi-purpose product for all repairs on asphalt and concrete thanks to laser welded block segments, turbo segments and slanted protective segments - Can be used on petrol powered cutters and joint cutters with up to 10 kW

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 12	1	340232	12
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 12	1	340241	12
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	340236	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	340240	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 12	1	349235	12

Diamond cutting blade

DT 612 AB SUPRA



Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□□
Service life	■■■■■□□□

Applications

Asphalt	●
Concrete	●

Advantages: Suitable for asphalt and concrete - Specially engineered for use on both materials - High cutting speed - Excellent service life

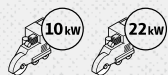
Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	332344	12
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	330080	12
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	332345	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	330081	12
400 x 20	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349225	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349226	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	330083	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	330084	12

Diamond cutting blades for petrol powered cutters, table saws and joint cutters



Diamond cutting blade

DT 910 BF SPECIAL



Properties

Design	Laser welded
Segmentation	With protective segments
Aggression	■■■■■■■□
Service life	■■■■■■■□

Applications

Green concrete	●
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Advantages: Smooth and easy cutting performance - 12 mm tall segments - Protective segments shield the core - Unsurpassed service life thanks to a high concentration of premium-grade diamonds - Exceptionally well suited for fresh concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 12	1	330085	12
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3,2 / 12	1	330086	12
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,6 / 12	1	349224	12
450 x 25,4	100 m/s	4300 rpm		30 / 40 / 3,7 / 12	1	330088	12
500 x 25,4	100 m/s	3900 rpm		35 / 40 / 3,7 / 12	1	330089	12

Diamond cutting blade

DT 350 B EXTRA



Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□

Applications

Concrete	●
Cured concrete, reinforced	ⓘ

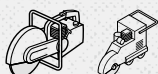
Advantages: Suitable for working on concrete and construction materials - Good price-performance ratio - Fast cutting with low vibration - Optimum service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	352749	12
350 x 20	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	354663	12
350 x 25,4	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	339830	12
400 x 25,4	100 m/s	4800 rpm	28 / 40 / 3,6 / 10	1	351133	12

Diamond cutting blades for petrol powered cutters, table saws and joint cutters

Diamond cutting blade

DT 350 BT EXTRA



Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■□
Service life	■■■■■□



Applications

Concrete	●
Cured concrete, reinforced	●

NEW !

Advantages: Special turbo segments for an extremely high cutting speed on concrete and all concrete products - Fast and easy cutting with low vibration - Optimum service life - Optimum price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	354795	12
300 x 25,4	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	354796	12
350 x 20	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	354797	12
350 x 25,4	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	354798	12
400 x 25,4	100 m/s	4800 rpm	28 / 40 / 3,6 / 10	1	354799	12

Diamond cutting blade

DT 602 B SUPRA



Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□
Service life	■■■■■□



Applications

Cured concrete	●
Cured concrete, reinforced	●

Advantages: First-rate cutting performance - Fast cutting speed - Particularly well suited for concrete with medium reinforcement - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 9	1	325056	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 9	1	325088	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 9	1	349242	12
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,7 / 9	1	325136	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 9	1	325167	12

Diamond cutting blades for petrol powered cutters and joint cutters



Diamond cutting blade

DT 900 B SPECIAL



Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■■■
Service life	■■■■■■■■



Applications

Cured concrete, reinforced	●
Concrete, universal	●
Construction materials	●
Chalky sandstone	○

Advantages: High performance blade with ultra high cutting speed thanks to turbo segments - Specially engineered for effortless cutting through concrete - Further increased service life due to titanium-coated diamonds

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 20	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	325078	12
300 x 25,4	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	325079	12
350 x 20	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	325080	12
350 x 25,4	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	325081	12
400 x 20	100 m/s	4800 rpm	26 / 40 / 3,6 / 12	1	347489	12
400 x 25,4	100 m/s	4800 rpm	26 / 40 / 3,6 / 12	1	347490	12

Diamond cutting blade

DT 902 B SPECIAL



Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■■■■
Service life	■■■■■■■□



Applications

Cured concrete	●
Cured concrete, reinforced	●

Advantages: First-rate cutting performance - Ultra fast cutting speed - Also suitable for concrete with strong reinforcement

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 11	1	325058	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 11	1	325090	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 11	1	349241	12
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,7 / 11	1	325138	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 11	1	325169	12

Diamond cutting blades for joint cutters / Reduction rings

Diamond cutting blade

DT 910 B SPECIAL



Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■□
Service life	■■■■■■■■

Applications

Cured concrete	●
Cured concrete, reinforced	●

Advantages: First-rate cutting performance - High cutting speed - Exceptional service life - Also suitable for concrete with strong reinforcement

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 11	1	325073	12
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3,2 / 11	1	325106	12
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,6 / 11	1	349230	12
450 x 25,4	100 m/s	4300 rpm		32 / 40 / 3,7 / 11	1	325182	12
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 11	1	325193	12

Reduction rings

DZ 100 RR



Advantages: Reduction rings with serration for enhanced adhesion

Diameter x Width x Bore in mm	Suitable for	Packing unit/pcs.	Cat. number	Discount group
22,23 x 1,2 x 15,88	Bore 22,23 mm	1	337148	14
22,23 x 1,2 x 20	Bore 22,23 mm	1	337282	14
25,4 x 2 x 20	DT 300 U (325350)	1	328933	14
25,4 x 2,5 x 20	DT 602 A + DT 600 U	1	328934	14
25,4 x 9 x 20	DT 350 A + DT 350 U + DT 602 A	1	339133	14
25,4 x 2 x 22,23	Bore 25,4 mm	1	353265	14
30 x 2 x 25,4	Bore 30 mm	1	337344	14
30 x 2,5 x 25,4	Bore 30 mm	1	353266	14
30 x 2,5 x 20	Bore 30 mm	1	353267	14
30 x 2 x 22,23	Bore 30 mm	1	353268	14
30 x 2 x 20	Bore 30 mm	1	353269	14

Drill bits with R 1/2" connection



R 1/2" BSP Male drill bit

DK 612 B SUPRA



Properties

Design	Laser welded
Segment	Standard
Aggression	■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ ■ □



Applications

Concrete, universal	●
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Advantages: Drill bits for universal applications - High cutting speed and service life - Can be used on electric drilling machines - For replacement segments, see DE 600 B

Diameter in mm	Thread/Shaft	Effective length in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
51	thread 1/2"	300	5 / 24 / 2,5 / 10	1	325720	12
56	thread 1/2"	300	5 / 24 / 2,5 / 10	1	325721	12
61	thread 1/2"	300	5 / 24 / 2,5 / 10	1	325722	12
71	thread 1/2"	300	7 / 24 / 2,5 / 10	1	325724	12
81	thread 1/2"	300	8 / 24 / 2,5 / 10	1	325755	12
91	thread 1/2"	300	8 / 24 / 2,5 / 10	1	325756	12
101	thread 1/2"	300	9 / 24 / 2,5 / 10	1	325757	12
111	thread 1/2"	300	9 / 24 / 2,5 / 10	1	325758	12
121	thread 1/2"	300	10 / 24 / 2,5 / 10	1	325759	12
131	thread 1/2"	300	10 / 24 / 2,5 / 10	1	325761	12
141	thread 1/2"	300	11 / 24 / 2,5 / 10	1	325762	12
151	thread 1/2"	300	12 / 24 / 2,5 / 10	1	325763	12
161	thread 1/2"	300	12 / 24 / 2,5 / 10	1	325764	12
171	thread 1/2"	300	12 / 24 / 2,5 / 10	1	325765	12
180	thread 1/2"	300	13 / 24 / 2,5 / 10	1	325766	12
201	thread 1/2"	300	15 / 24 / 2,5 / 10	1	325768	12

Drill bits with 1 1/4" UNC connection

1 1/4" UNC Female drill bit

DK 654 B
SUPRA



Properties

Design	Laser welded
Segment	Standard
Aggression	■■■■■□
Service life	■■■■■□



Applications

Concrete, universal	●
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Advantages: Drill bits for universal applications - Very fast cutting - Long service life - Roof-shaped segments - Can be used on electric and hydraulic machines - For replacement segments, see DE 600 B

Diameter in mm	Thread/Shank	Effective length in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
52	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325769	12
56	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325770	12
61	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325771	12
62	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325772	12
66	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325773	12
72	thread 1 1/4"	450	6 / 24 / 3,5 / 11	1	325774	12
82	thread 1 1/4"	450	7 / 24 / 3,5 / 11	1	325775	12
92	thread 1 1/4"	450	8 / 24 / 3,5 / 11	1	325776	12
102	thread 1 1/4"	450	9 / 24 / 3,5 / 11	1	325777	12
112	thread 1 1/4"	450	10 / 24 / 3,5 / 11	1	325778	12
122	thread 1 1/4"	450	10 / 24 / 4 / 11	1	325779	12
132	thread 1 1/4"	450	10 / 24 / 4 / 11	1	325781	12
142	thread 1 1/4"	450	11 / 24 / 4 / 11	1	325782	12
152	thread 1 1/4"	450	12 / 24 / 4 / 11	1	325783	12
162	thread 1 1/4"	450	13 / 24 / 4 / 11	1	325784	12
172	thread 1 1/4"	450	13 / 24 / 4 / 11	1	325785	12
182	thread 1 1/4"	450	14 / 24 / 4 / 11	1	325786	12
202	thread 1 1/4"	450	15 / 24 / 4,5 / 11	1	325787	12
225	thread 1 1/4"	450	16 / 24 / 4,5 / 11	1	325788	12
250	thread 1 1/4"	450	17 / 24 / 4,5 / 11	1	325789	12
300	thread 1 1/4"	450	22 / 20 / 5 / 11	1	325790	12

Drill bits with ring segments, R 1/2" connection



R 1/2" BSP Male drill bit

DR 912 B SPECIAL



Properties

Design	Laser welded
Segment	Standard
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■



Applications

Concrete, universal	●
---------------------	---

Advantages: Fast cutting - Long service life on reinforced concrete - Suitable for drill stand or handheld drilling

Diameter in mm	Thread/Shaft	Effective length in mm	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Discount group
8	thread 1/2"	300	1 / 2 / 10	1	325791	12
10	thread 1/2"	300	1 / 2 / 10	1	325792	12
12	thread 1/2"	300	1 / 2 / 10	1	325793	12
14	thread 1/2"	300	1 / 2 / 10	1	325794	12
15	thread 1/2"	300	1 / 2,5 / 10	1	325795	12
16	thread 1/2"	300	1 / 2,5 / 10	1	325796	12
18	thread 1/2"	300	1 / 2,5 / 10	1	325797	12
20	thread 1/2"	300	1 / 2,5 / 10	1	325798	12
22	thread 1/2"	300	1 / 2,5 / 10	1	325799	12
24	thread 1/2"	300	1 / 2,5 / 10	1	325800	12
25	thread 1/2"	300	1 / 2,5 / 10	1	325801	12
26	thread 1/2"	300	1 / 2,5 / 10	1	325802	12
28	thread 1/2"	300	1 / 2,5 / 10	1	325803	12
30	thread 1/2"	300	1 / 2,5 / 10	1	325804	12
32	thread 1/2"	300	1 / 2,5 / 10	1	325805	12
35	thread 1/2"	300	1 / 3 / 10	1	325806	12
40	thread 1/2"	300	1 / 3 / 10	1	325807	12
42	thread 1/2"	300	1 / 3,5 / 10	1	325808	12
52	thread 1/2"	300	1 / 3,5 / 10	1	325811	12

Drill bit segments for DK 654 and DK 612

Ring segments for drill bits DR 912 B

Individual segment

DE 600 B SUPRA



Properties

Design	Laser welded
Segment	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□



Applications

Concrete, universal	●
---------------------	---

Advantages: Single, roof-shaped segments for a fast first cut - Replacement segments for DK 612 B and DK 654 drill bits

Segment length in mm	Suitable for	Segment in mm Length / Width / Height / Radius	Packing unit/pcs.	Cat. number	Discount group
20	Ø >272	20 / 5 / 11 / G	30	325839	12
24	Ø 56-62	24 / 3,5 / 11 / 30	30	325833	12
24	Ø 72-87	24 / 3,5 / 11 / 40	30	325834	12
24	Ø 92-112	24 / 3,5 / 11 / 50	30	325835	12
24	Ø 107-142	24 / 4 / 11 / 60	30	325836	12
24	Ø 142-182	24 / 4 / 11 / 80	30	325837	12
24	Ø 182-272	24 / 4 / 11 / 100	30	325838	12

Ring segment

DO 900 B SPECIAL



Properties

Design	Laser welded
Segment	Standard
Aggression	■■■■■■■
Service life	■■■■■■■



Applications

Concrete, universal	●
---------------------	---

Advantages: Replacement ring segment for DR 912 B drill bit

Diameter in mm	Segment in mm Width / Height	Packing unit/pcs.	Cat. number	Discount group
8	2 / 10	10	325812	12
10	2 / 10	10	325813	12
12	2 / 10	10	325814	12
14	2 / 10	10	325815	12
15	2,5 / 10	10	325816	12
16	2,5 / 10	10	325817	12
18	2,5 / 10	10	325818	12
20	2,5 / 10	5	325819	12
22	2,5 / 10	5	325820	12
24	2,5 / 10	5	325821	12



► Continuation of DO 900 B Special, Ring segment

Diameter in mm	Segment Width / Height	Packing unit/pcs.	Cat. number	Discount group
25	2,5 / 10	5	325822	12
26	2,5 / 10	5	325823	12
28	2,5 / 10	5	325824	12
30	2,5 / 10	3	325825	12
32	2,5 / 10	3	325826	12
35	3 / 10	3	325827	12
40	3 / 10	3	325828	12
42	3,5 / 10	3	325829	12
52	3,5 / 10	3	325832	12

Core cutter for switch boxes

DD 600 U SUPRA



Properties

Design	Laser welded
Edge	Segmented
Aggression	■■■■■□□□
Service life	■■■■■□□



Applications

Masonry	●
Construction materials	●
Chalky sandstone	●

Advantages: For machining soft and medium-hard materials such as brick, clinker and firebrick - Hexagon mounting with centre drill bit are separately available (see ADS200)

Diameter in mm	Thread/Shaft	Effective length in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Discount group
68	thread M16	70	3 / 24 / 3,5 / 7	1	325390	12
82	thread M16	70	4 / 24 / 3,5 / 7	1	325391	12

Adapter kit

ADS 200



Advantages: SDS / hexagon adapter with 8 mm centre bit for article DD 600 U

Size in mm	Thread/Shaft	Suitable for	Packing unit/pcs.	Cat. number	Discount group
115	SDS holding device	DD 600 U	1	236588	14
115	hexagonal	DD 600 U	1	236442	14

Diamond drill for stoneware

Diamond drill

DB 600 F SUPRA



Properties

Design	Vacuum-brazed
Edge	Closed
Aggression	■■■■■□□
Service life	■■■■■□□



Applications

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

Advantages: Dry cutting drill bit for drilling with pinpoint accuracy on hard materials such as fine stoneware, granite floor tiles and stove tiles - Clean edges - Precise holes - No bursting, cracking, or splintering - Integrated cooling wax - No water required - Excellent price-performance ratio

Diameter in mm	Thread/Shaft	Max. RPM	Effective length in mm	Segment Number / Height	Packing unit/pcs.	Cat. number	Discount group
6	1/4" bit, hexagonal	3000 rpm	32	1 / 10	1	325382	12
8	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325527	12
10	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325383	12
12	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325384	12
14	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325528	12

Diamond drill set

DB 600 F SUPRA Set



Properties

Design	Vacuum-brazed
Edge	Closed
Aggression	■■■■■□□
Service life	■■■■■□□



Applications

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

Properties: 7 piece diamond drill set in a Klingspor case

Contents: 2x Ø 6 mm (325382), 1x Ø 8 mm (325527), 1x Ø 10 mm (325383), 1x Ø 12 mm (325384), 1x Ø 14 mm (325528), 1x hole starting aid (313807)

Advantages: Diamond drill bits and stainless steel centring aids in a convenient and sturdy aluminium case

Size in mm	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
200 x 140 x 55	3000 rpm	1	331021	12

Dry drill bit

DK 600 F SUPRA



Properties

Design	Vacuum-brazed
Edge	Closed



Applications

Stoneware	●
Tiles	●
Stove tiles	●

Advantages: Dry drill bit for all standard angle grinders - Suitable for the hardest of tiles, masonry and stoneware - Freehand centring - Precise and accurate drilling - Clean edges, precise holes - No splitting, cracking or chipping - No water needed

Diameter in mm	Thread/Shaft	Max. RPM	Effective length in mm	Segment Number / Height	Packing unit/pcs.	Cat. number	Discount group
6	thread M14	13300 rpm	35	1 / 10	1	330670	12
8	thread M14	13300 rpm	35	1 / 10	1	330671	12
10	thread M14	13300 rpm	35	1 / 10	1	330672	12
12	thread M14	13300 rpm	35	1 / 10	1	330673	12
14	thread M14	13300 rpm	35	1 / 10	1	330674	12
20	thread M14	13300 rpm	45	1 / 15	1	330675	12
22	thread M14	13300 rpm	45	1 / 15	1	330676	12
25	thread M14	13300 rpm	45	1 / 15	1	330677	12
26	thread M14	13300 rpm	45	1 / 15	1	325385	12
30	thread M14	13300 rpm	45	1 / 15	1	330678	12
35	thread M14	13300 rpm	45	1 / 15	1	330679	12
38	thread M14	13300 rpm	45	1 / 15	1	325386	12
40	thread M14	13300 rpm	45	1 / 15	1	330680	12
45	thread M14	13300 rpm	45	1 / 15	1	330681	12
50	thread M14	13300 rpm	45	1 / 15	1	330682	12
58	thread M14	13300 rpm	45	1 / 15	1	325387	12
65	thread M14	13300 rpm	45	1 / 15	1	325388	12
68	thread M14	13300 rpm	45	1 / 15	1	330683	12
70	thread M14	13300 rpm	45	1 / 15	1	325389	12
82	thread M14	13300 rpm	50	1 / 15	1	330685	12
112	thread M14	13300 rpm	50	1 / 15	1	330684	12

Dry drill bit for stoneware / Accessory

Dry drill bit set

DK 600 F SUPRA Set



Properties

Design	Vacuum-brazed
Edge	Closed



Applications

Stoneware	●
Tiles	●
Stove tiles	●

Properties: 6 piece dry drill bit set in a Klingspor case

Contents: 2x Ø 6 mm (330670), 2x Ø 8 mm (330671), 1x Ø 10 mm (330672), 1x Ø 12 mm (330673)

Advantages: Dry drill bits in a convenient and sturdy aluminium case

Size in mm	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
110 x 130 x 100	13300 rpm	1	331076	12

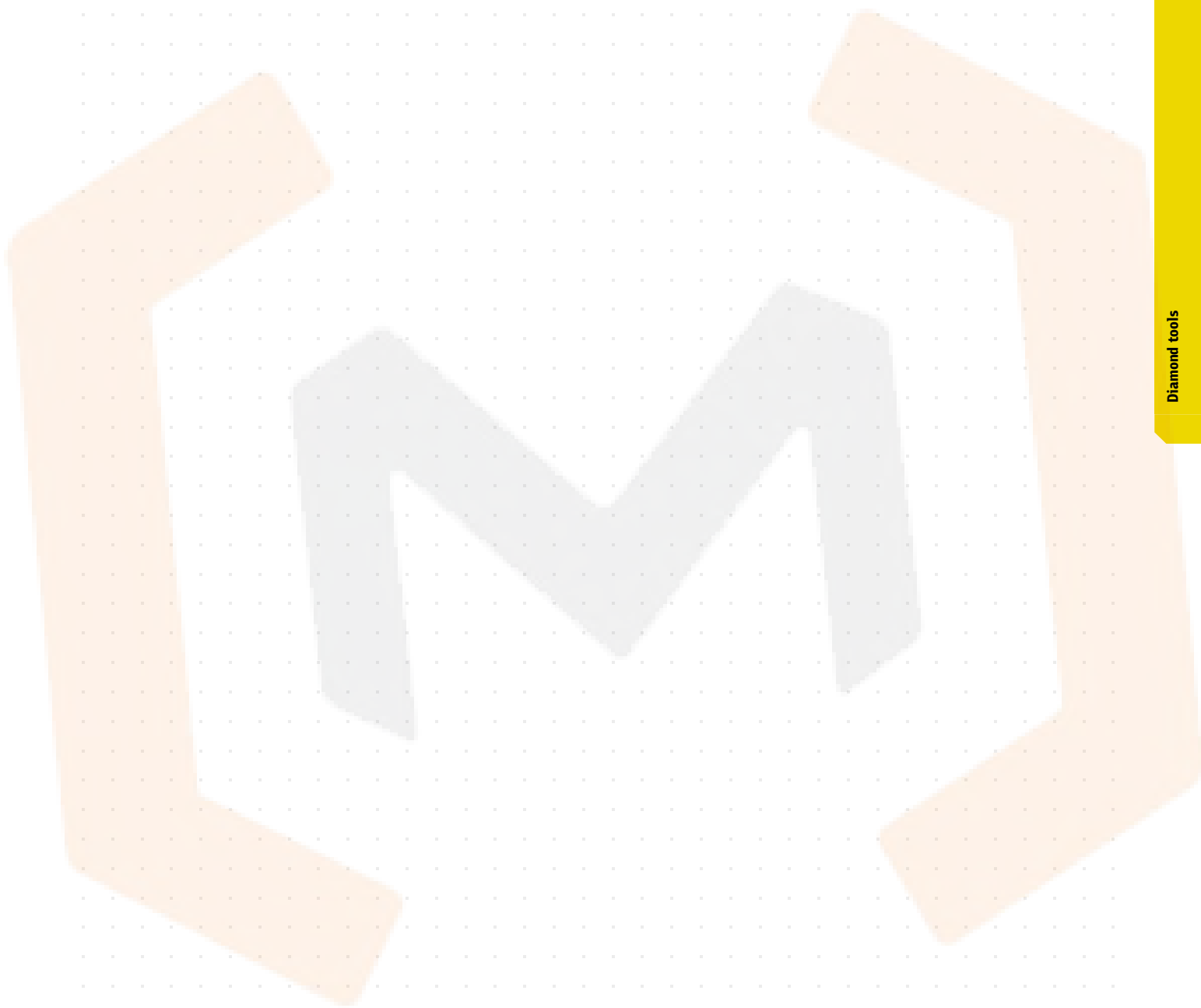
Hole starting aid

ABH 80



Advantages: Hole starting aid for professional diamond dry drill DB 600 F

Size in mm	Suitable for	Packing unit/pcs.	Cat. number	Discount group
55	DB 600 F	1	313807	14





Flexible abrasives



About the product

R-Flex abrasives

Used for finishing and polishing all kinds of surfaces. Despite their elastic construction, R-Flex abrasives boast a long service life with high dimensional stability throughout their use.

Mounted points

Available in numerous sizes and grains. They are used for apparatus and container construction, in the aviation and automobile industries, as well as in the food and chemical sectors.



Mottling point fixing spindle with milled plane surface

The Sandflex hand block

Cleans, polishes and matt finishes a large variety of materials including metal, wood, paints, plastics, rubber and paper. In addition to its commercial applications, the Sandflex hand block is also excellent for car care and jobs around the house like cleaning iron soleplates, ski edges etc. Sandflex performs even better when used with water, soap, paraffin oil or pastes. With four different grain sizes to choose from, you will find the right product for all types of materials and jobs.

R-Flex wheels

Available with silicon carbide or corundum grit in different binding hardnesses and dimensions. Typical applications are deburring plastic parts, giving surgical instruments their final finish, sharpening knives, etc. R-Flex wheels are, due to their elastic attachment, easy to shape and adjust to the contours of the tool during grinding.

Mottling points

Create special surface effects with a uniform, extra fine finish. R-Flex mottling points are used with great success for surface treatment applications in tank and container construction (breweries, wine and champagne producers) and in plant construction for commercial kitchens. They are available with bonding agents E (specially designed for aluminium and NF metals) and the softer, more elastic bonding agents W and T (for stainless steel) – with the T bonding agent creating a glossier finish on stainless steel surfaces and offering suitability for universal use.

Klingspor mottling points are available with 2 shaft options

- a full length round shaft
- a shaft with a milled plain surface (see image above) for secure mounting

Please note the product descriptions provided on the following pages.

Description	Type	Material applications												Page
		Iron	Steel	Stainless steel	NF metals	Wood	Paint / Varnish	Glass / Stone	Plastic	Leather	Paper	Ceramic	Porcelain	
R-Flex	<i>RFS 651 bond E</i>			●	●									339
	<i>RFM 652 bond E</i>				●									339
	<i>RFR 654 bond Z/E</i>	●	●	●	●	○	○	○	●			○	○	341
Sandflex	<i>SFM 656 bond W</i>			●										340
	<i>SFM 656 bond T</i>			●										340
	<i>SFK 655 block</i>	●	●	●	●	●	●	●	●	●	●	●	●	340

● = main application ○ = possible application

Flexible abrasives

Applications guide

R-Flex points for cleaning and finishing and R-Flex wheels are ideally suited for fine machining surfaces thanks to their elastically embedded grit. Matching any type of possible application, Klingspor offers an extensive range of tools with a large variety of dimensions, grit sizes and three different kinds of bonding agents (hard, medium and soft). The chart below provides an overview of the available versions:

Dimensions R-Flex point RFS 651

Ø [mm]	Possible widths [mm]	Grit size	Minimum order quantities	Requested grit type / grit size
15	15, 20, 25, 30	60, 120, 240	10	from 450 pieces
20	15, 20, 25, 30	60, 120, 240	10	from 450 pieces
25	10, 15, 20, 25, 30	60, 120, 240	10	from 250 pieces
30	10, 15, 20, 25, 30	60, 120, 240	10	from 250 pieces
40	10, 15, 20, 30, 40	60, 120, 240	10	from 160 pieces
50	10, 20, 30, 40	60, 120, 240	10	from 110 pieces
60	30, 40	60, 120, 240	10	from 90 pieces

Dimensions R-Flex wheel RFR 654

Ø [mm]	Possible widths [mm]	Grit size	Minimum order quantities	Requested grit type / grit size
100	10, 15, 20, 25, 30, 35	60, 120, 240	1	from 15 pieces
125	10, 15, 20, 25, 30, 35	60, 120, 240	1	from 12 pieces
150	10, 15, 20, 25, 30, 35	60, 120, 240	1	from 6 pieces
175	15, 20, 25, 30, 35	60, 120, 240	1	from 6 pieces
200	15, 20, 25, 30, 35	60, 120, 240	1	from 6 pieces

Other grit sizes on request

Bonding types for RFS 651 mounted points used for cleaning and finishing as well as for R-Flex wheels RFR 654

Types of bonding	Grain	Hardness	Maximum operating speed
Z tough, hard wearing	Aluminium oxide	hard	up to 32 m/s
E non clogging, free cutting (ideal for aluminium)	SiC	medium	up to 16 m/s
W elastic, hard wearing, matt finish (ideal for stainless steel)	SiC	soft	up to 5 m/s



Example of a decorative finish created with an R-Flex mottling point SFM 656 on a stainless steel sheet

To ensure safe handling of R-Flex points and R-Flex wheels, observe the general "FEPA Safety Recommendations for the Correct Use of Grinding Tools" and the "FEPA Safety Code for Bonded Abrasives".

Bonding types for mottling points

Types of bonding	Grain	Hardness	Maximum operating speed
W elastic, hard wearing, matt finish (ideal for stainless steel)	SiC	soft	up to 5 m/s
T elastic, more free cutting, for a glossier finish (ideal for stainless steel)	SiC	soft	up to 5 m/s
E non clogging, free cutting (ideal for aluminium)	SiC	medium	up to 16 m/s



We reserve the right to over-deliver or under-deliver made to order items.

Flexible abrasives

Mounted points, mottling points



R-Flex mounted points

RFS 651



Properties

Bonding agent	Plastic
Grain	SiC

Applications

Aluminium	●
Stainless steel	●
NF metals	●

Advantages: Versatile mounted points for cleaning and finishing - Soft abrasion due to elastic structure - Can be used until completely worn down

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 x Height x Shaft in mm	Grit	Bond	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
40 x 15 x 6	60	E	16 m/s	7600 rpm	10	14006	13
40 x 15 x 6	120	E	16 m/s	7600 rpm	10	14007	13
40 x 15 x 6	240	E	16 m/s	7600 rpm	10	14008	13
50 x 10 x 6	240	E	16 m/s	6100 rpm	10	14012	13
60 x 30 x 6	60	E	16 m/s	5000 rpm	10	14030	13
60 x 30 x 6	120	E	16 m/s	5000 rpm	10	14031	13

R-Flex mottling points

RFM 652



Properties

Bonding agent	Plastic
Grain	SiC

Applications

Aluminium	●
NF metals	●

Advantages: Produces a satin surface scratch pattern - Soft abrasion due to elastic structure - Can be used until completely worn down - Two shaft types available: with full length round shaft (standard, stock items) and with flattened shaft for simple and secure clamping (made to order items)

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 x Height x Shaft in mm	Grit	Bond	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
30 x 30 x 6	60	E	8 m/s	5000 rpm	10	14033	13
30 x 30 x 6	120	E	8 m/s	5000 rpm	10	14034	13
40 x 30 x 6	120	E	8 m/s	3800 rpm	10	14036	13
50 x 30 x 6	60	E	8 m/s	3000 rpm	10	14037	13
50 x 30 x 6	120	E	8 m/s	3000 rpm	10	14038	13

Flexible abrasives

Mottling points / Hand block

Sandflex mottling points

SFM 656



Properties

Bonding agent	Plastic
Grain	SiC

Applications

Stainless steel	●
-----------------	---

Advantages: Produces a glossy finish on stainless steel surfaces - Soft abrasion due to elastic structure - Can be used until completely worn down - Two shaft types available: with flattened shaft for simple and secure clamping (standard, stock items) and with full length round shaft (made to order items)

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 x Height x Shaft in mm	Grit	Bond	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
30 x 30 x 6	60	W	5 m/s	3200 rpm	10	13856	13
30 x 30 x 6	120	W	5 m/s	3200 rpm	10	13857	13
40 x 30 x 6	60	W	5 m/s	2400 rpm	10	13859	13
40 x 30 x 6	120	W	5 m/s	2400 rpm	10	13860	13
50 x 30 x 6	60	T	5 m/s	1900 rpm	10	334993	13
50 x 30 x 6	60	W	5 m/s	1900 rpm	10	13862	13
50 x 30 x 6	120	W	5 m/s	1900 rpm	10	13863	13
60 x 30 x 6	60	T	5 m/s	1600 rpm	10	334995	13
60 x 30 x 6	60	W	5 m/s	1600 rpm	10	13865	13

Hand block

SFK 655



Properties

Bonding agent	Plastic
Grain	SiC

Applications

Paint/Varnish	●	Leather	●
Glass/Stone	●	Metals	●
Wood	●		
Plastic	●		

Advantages: Universal hand block for cleaning and finishing - Can be used on many materials - Cleaning performance is significantly increased by use of additives - Soft abrasion due to elastic structure - Can be used until completely worn down

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length x Height in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
80 x 50 x 20	30	18	13800	13
80 x 50 x 20	60	18	13801	13
80 x 50 x 20	120	18	13802	13
80 x 50 x 20	240	18	13803	13



Flexible abrasives

Hand block / R-Flex wheel



► Continuation of SFK 655 Hand block

Width x Length x Height in mm	Grit	Packing unit/pcs.	Cat. number	Discount group
150 x 80 x 20	30	1	13804	13
150 x 80 x 20	60	1	13805	13
150 x 80 x 20	120	1	63231	13
150 x 80 x 20	240	1	13807	13

Hand block

SFK 655 Set



Properties

Bonding agent Plastic

Grain SiC

Applications

Paint/Varnish ●

Glass/Stone ●

Wood ●

Plastic ●

Leather ●

Metals ●

Advantages: Universal hand block for cleaning and finishing - Can be used on many materials - Cleaning performance is significantly increased by use of additives - Soft abrasion due to elastic structure - Can be used until completely worn down

Contents: 18 pcs. / 6 of each grit 60, 120 and 240

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length x Height in mm	Packing unit/pcs.	Cat. number	Discount group
80 x 50 x 20	1	72129	13

R-flex wheel

RFR 654



Properties

Bonding agent Plastic

Grain Aluminium
oxide/SiC

Applications

Stainless steel ●

Steel ●

NF metals ●

Aluminium ●

Plastic ●

Glass ○

Advantages: Versatile abrasive wheel - Deburring, matt finishing and finishing with one tool - Good adaptation to workpiece contour - Soft abrasion due to elastic structure - Can be used until completely worn down - Available in Aluminium oxide (bonding Z) and SiC (bonding E and W)

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request



Carbide burrs

About the product

Powerful milling and leveling of surfaces and forms

Klingspor carbide burrs are used wherever outstanding stock removal and service life are pivotal to the proper processing of hard-to-reach places. The burrs are manufactured according to the highest quality standards and with utmost precision. Our comprehensive product selection offers all shapes and dimensions

necessary to find the solution that matches each application best. Thanks to the abundance of available toothing options, you can be sure to achieve the desired outcome on any material and with unparalleled speed.

Type		Form	Page
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HF 100 B (ZYAS)		Cylindrical with end cut	347
HF 100 C (WRC)		Cylindrical with spherical head	348
HF 100 D (KUD)		Spherical shape	349
HF 100 E (TRE)		Oval shape	350
HF 100 F (RBF)		Conical shape	350
HF 100 G (SPG)		Arch shape	351
HF 100 H		Flame shape	352

Type		Form	Page
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HF 100 L (KEL)		Conical shape, round nose	353
HF 100 M (SKM)		Conical shape, pointed nose	354
HF 100 N (WKN)		Dovetail	354
Sets of burrs			
HF 100	Set, 40 carbide burrs		355
HF 100	Set, 5 carbide burrs		355
HF 100 Steel	Set, 5 carbide burrs		356
HF 100 INOX	Set, 5 carbide burrs		356

Materials																								
Steel								Soft NF metals				Hard NF metals				Creep resistant materials		Cast iron		Plastics				
Cut	Carbon steel	Tool steel	Non-alloyed steel	Case-hardened steel	Cast steel	Alloyed steel	Hardened steel	Aluminium	Messing	Copper	Zinc	Bronze	Titanium	Titanium alloy	Aluminium alloy (high SiC contingent)	Nickel based alloy	Cohalt based alloy	Grey cast iron	White cast iron	GRP	CFRP	Ebonite / Hard rubber	Thermoplastic material	Thermosets
2	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●					●
3								●	●	●	●											●	●	
6	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●	●			●
10	●	●	●	●	●	●	●											●	●					
11																●	●							

● = main application ○ = possible application

The cuts at a glance

2 Cuts

Standard cut / plain cut with good finishing properties for universal applications.



3 Cuts aluminium

High stock removal rate and reduced clogging of teeth for working on long-chipping and soft materials like NF metals and plastics.



6 Cuts mega seller

Double cut for universal applications, improved handling and low vibration. Creates a small chip.



New high performance tooth geometries for steel and INOX processing

Perfectly adapted to the respective group of processed material, the newly engineered blade geometries 10 (steel) and 11 (INOX) allow for a significantly higher stock removal rate when compared to the cross-cut toothing typically found on ordinary burrs.

The advantages at a glance:

- ▶ higher level of aggressiveness and cutting performance
- ▶ improved chip removal
- ▶ markedly enhanced service life thanks to reduced built-up edge formation
- ▶ less thermal stress on tool and workpiece
- ▶ decrease in annealing colours during INOX applications

10 cuts high performance tooth geometry - steel

Tooth geometry optimised for steel processing; significantly higher stock removal rate compared to a standard cross-cut tooth geometry



11 cuts high performance tooth geometry - INOX

Tooth geometry optimised for the processing of austenitic as well as corrosion and acid-resistant grades of stainless steel; strikingly improved stock removal performance by contrast with standard cross-cut tooth geometries



Additional cuts available on request

Important safety recommendations

- Please ensure that a maximum 30% of the tools circumference is in contact with the workpiece
- Extra long burrs with extended shank require slower operating speeds
- Ensure the burr is clamped correctly in a regularly maintained operating tool
- Run the selected burr at the correct operating speed to avoid risks and to ensure an optimum tool performance
- Please observe the safety recommendations on the packaging

Maximum operating speeds

Burr head in mm	Max. RPM
2/2,4/3	100,000
4/4,8/5/6/6,3	65,000
8/9,6/10/11	55,000
12/12,7	35,000
16	25,000
19,2	20,000
25,4	15,000

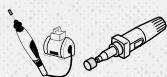
Recommended operating speeds

Burr head diameter in mm	Optimal speed range (RPM), depending on materials			
	The values in brackets are recommended starting speeds (start points) if no empirical values are already available			
	NF metals	Aluminium, plastic	Unhardened steels	Hardened steels, stainless steel
2/2,4/3	45,000	60,000	60,000	60,000
	(65,000)	(65,000)	(80,000)	(80,000)
	up to 80,000	up to 80,000	up to 80,000	up to 80,000
4/4,8/5/6/6,3	22,000	15,000	45,000	30,000
	(45,000)	(40,000)	(50,000)	(40,000)
	up to 60,000	up to 60,000	up to 60,000	up to 45,000
8/9,6/10/11	15,000	10,000	30,000	19,000
	(30,000)	(25,000)	(30,000)	(25,000)
	up to 40,000	up to 50,000	up to 40,000	up to 30,000
12/12,7	11,000	7,000	22,000	15,000
	(25,000)	(20,000)	(25,000)	(20,000)
	up to 30,000	up to 30,000	up to 30,000	up to 22,000
16	9,000	6,000	18,000	12,000
	(20,000)	(15,000)	(20,000)	(15,000)
	up to 20,000	up to 20,000	up to 20,000	up to 18,000
19,2	8,000	5,000	15,000	10,000
	(12,000)	(10,000)	(15,000)	(10,000)
	up to 17,000	up to 17,000	up to 17,000	up to 15,000
25,4	6,000	4,000	10,000	7,000
	(10,000)	(8,000)	(10,000)	(8,000)
	up to 13,000	up to 13,000	up to 13,000	up to 11,000

Carbide Burrs

Carbide burr

HF 100 A



Properties: Cylindrical burr without end-cut - Designation in accordance with DIN 8032: ZYA

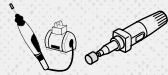
Advantages: For universal use - Especially suitable for surface grinding



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
3	14	38	3	6	5	295482	14
6	18	50	6	2	1	295521	14
9,6	19	64	6	3	1	295563	14
12,7	25	70	6	3	1	295604	14
6	18	50	6	6	1	295531	14
8	19	64	6	6	1	295552	14
9,6	19	64	6	6	1	295568	14
12,7	19	64	6	6	1	295594	14
12,7	25	70	6	6	1	295609	14
16	25	70	6	6	1	295621	14
6	18	50	6	10	1	334116	14
8	19	64	6	10	1	334118	14
9,6	19	64	6	10	1	334120	14
12,7	25	70	6	10	1	334122	14
6	18	50	6	11	1	334117	14
8	19	64	6	11	1	334119	14
9,6	19	64	6	11	1	334121	14
12,7	25	70	6	11	1	334123	14

Carbide burr

HF 100 B



Properties: Cylindrical burr with end cut - Designation in accordance with DIN 8032: ZYAS

Advantages: The end cut makes it suitable for blind holes and faces on inner contours

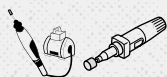


Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
3	14	38	3	6	5	295483	14
6,3	12,7	55	3	6	5	295507	14
6	18	50	6	2	1	295522	14
12,7	25	70	6	2	1	295603	14
6	18	50	6	3	1	295526	14
9,6	19	64	6	3	1	295564	14
12,7	25	70	6	3	1	295605	14
6	18	50	6	6	1	295532	14
8	19	64	6	6	1	295553	14
9,6	19	64	6	6	1	295569	14
12,7	19	64	6	6	1	295595	14
12,7	25	70	6	6	1	295610	14
16	25	70	6	6	1	295622	14
6	18	50	6	10	1	334124	14
8	19	64	6	10	1	334125	14
9,6	19	64	6	10	1	334131	14
12,7	25	70	6	10	1	334132	14

Carbide Burrs

Carbide burr

HF 100 C



Properties: Cylindrical burr with ball end - Designation in accordance with DIN 8032: WRC

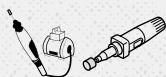
Advantages: For universal use on surfaces, contours and radiuses



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
3	14	38	3	2	5	295649	14
3	14	38	3	6	5	295654	14
6	18	50	6	2	1	295686	14
12,7	25	70	6	2	1	295747	14
6	18	50	6	3	1	295688	14
9,6	19	63	6	3	1	295725	14
12,7	25	70	6	3	1	295750	14
6	18	50	6	6	1	295694	14
8	19	63	6	6	1	295713	14
9,6	19	63	6	6	1	295727	14
12,7	19	64	6	6	1	295741	14
12,7	25	70	6	6	1	295753	14
16	25	70	6	6	1	295763	14
6	18	50	6	10	1	334133	14
8	19	64	6	10	1	334135	14
9,6	19	64	6	10	1	334137	14
12,7	25	70	6	10	1	334140	14
6	18	50	6	11	1	334134	14
8	19	64	6	11	1	334136	14
9,6	19	64	6	11	1	334138	14
12,7	25	70	6	11	1	334139	14

Carbide burr

HF 100 D



Properties: Ball-shaped burr - Designation in accordance with DIN 8032: KUD

Advantages: For use on contours - For deburring bore holes

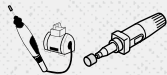


Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
3	2,5	38	3	6	5	295784	14
9,6	8	54	6	3	1	300054	14
12,7	11	56	6	3	1	295857	14
6	4,7	50	6	6	1	295819	14
8	6	52	6	6	1	295831	14
9,6	8	54	6	6	1	295843	14
12,7	11	56	6	6	1	295859	14
16	14	60	6	6	1	295868	14
6	4,7	50	6	10	1	334141	14
8	6	52	6	10	1	334143	14
9,6	8	54	6	10	1	334146	14
12,7	11	56	6	10	1	334147	14
6	4,7	50	6	11	1	334142	14
9,6	8	54	6	11	1	334145	14
12,7	11	56	6	11	1	334148	14

Carbide Burrs

Carbide burr

HF 100 E



Properties: Drop-shaped burr - Designation in accordance with DIN 8032: TRE

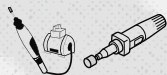
Advantages: For milling out fillet welds - Suitable for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
8	15	60	6	6	1	295909	14
9,6	16	60	6	6	1	295916	14
12,7	22	67	6	6	1	295925	14
12,7	22	67	6	11	1	334150	14

Carbide burr

HF 100 F



Properties: Semi-circular burr - Designation in accordance with DIN 8032: RBF

Advantages: Well suited for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
3	14	38	3	2	5	295946	14
3	14	38	3	6	5	295951	14
9,6	19	64	6	3	1	295985	14
12,7	25	70	6	3	1	296007	14
6	18	50	6	6	1	295971	14
9,6	19	64	6	6	1	295987	14
8	20	65	6	6	1	295978	14
12,7	25	70	6	6	1	296010	14
16	25	70	6	6	1	296020	14
9,6	19	64	6	10	1	334155	14
8	20	65	6	10	1	334153	14



►► Continuation of HF 100 F, Carbide Burr

Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
12,7	25	70	6	10	1	334157	14
9,6	19	64	6	11	1	334156	14
8	20	65	6	11	1	334154	14
12,7	25	70	6	11	1	334158	14

Carbide burr

HF 100 G



Properties: Pointed arch-shaped burr with flattened tip - Designation in accordance with DIN 8032: SPG

Advantages: Ideal for chamfering - For deburring bore holes

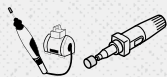


Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
3	14	38	3	2	5	296043	14
3	14	38	3	6	5	296047	14
6,3	12,7	45	3	6	5	296055	14
6	18	50	6	6	1	296062	14
8	19	64	6	6	1	296066	14
9,6	19	64	6	6	1	296074	14
12,7	19	64	6	6	1	296079	14
12,7	25	70	6	6	1	296086	14
6	18	50	6	10	1	334159	14
8	19	64	6	10	1	334161	14
9,6	19	64	6	10	1	334164	14
12,7	25	70	6	10	1	334165	14
8	19	64	6	11	1	334162	14
9,6	19	64	6	11	1	334163	14
12,7	25	70	6	11	1	334166	14

Carbide Burrs

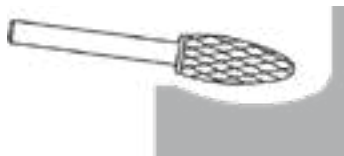
Carbide burr

HF 100 H



Properties: Flame-shaped burr - No designation in accordance with DIN 8032

Advantages: Well suited for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
8	19	64	6	6	1	296193	14
9,6	19	65	6	6	1	297074	14
12,7	32	77	6	6	1	296194	14
8	19	64	6	10	1	334167	14
12,7	32	77	6	10	1	334169	14
8	19	64	6	11	1	334168	14
12,7	32	77	6	11	1	334170	14

Carbide burr

HF 100 J



Properties: Conical burr - 60° angle - Designation in accordance with DIN 8032: KSJ

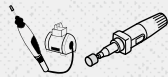
Advantages: Suitable for chamfering or bevelling



All sizes and minimum purchasing quantities available on request

Carbide burr

HF 100 K



Properties: Conical burr - 90° angle - Designation in accordance with DIN 8032: KSK

Advantages: For deburring bore holes - For chamfering or bevelling



All sizes and minimum purchasing quantities available on request

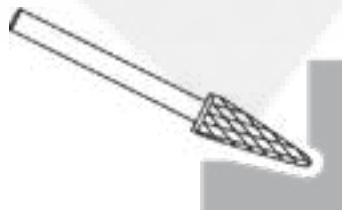
Carbide burr

HF 100 L



Properties: Conical round-nosed burr - Designation in accordance with DIN 8032: KEL

Advantages: For difficult-to-access areas

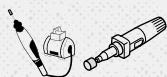


Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
3	14	38	3	6	5	296199	14
9,6	30	76	6	3	1	300055	14
12,7	32	77	6	3	1	297470	14
6	18	50	6	6	1	296200	14
8	25,4	70	6	6	1	296205	14
9,6	30	76	6	6	1	296201	14
12,7	32	77	6	6	1	296192	14
9,6	30	76	6	10	1	334172	14
12,7	32	77	6	10	1	334173	14
10	20	65	6	11	1	334204	14
8	25,4	70	6	11	1	334171	14
12,7	32	77	6	11	1	334174	14

Carbide Burrs

Carbide burr

HF 100 M



Properties: Pointed cone burr - Designation in accordance with DIN 8032: SKM

Advantages: For deburring tasks - For conical holes and grooves - Ideal for model building



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
3	11	38	3	6	5	296114	14
6	20	50	6	6	1	296136	14
9,6	16	64	6	6	1	296144	14
8	18	64	6	6	1	300052	14
12,7	22	71	6	6	1	296148	14

Carbide burr

HF 100 N



Properties: Angular burr without end cut - Designation in accordance with DIN 8032: WKN

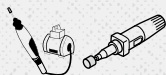
Advantages: Suitable for difficult-to-access areas, inner edges or conical profiles



All sizes and minimum purchasing quantities available on request

Carbide burr

HF 100 set



Properties: 40 piece burr set, cut 6, in lockable Klingspor presentation box

Contents: 2 x HF 100 B 6x18x6 (295532), 2 x HF 100 C 6x18x6 (295694), 2 x HF100 F 6x18x6 (295971), 2 x HF100 G 6x18x6 (296062), 2 x HF 100 L 6x18x6 (296200), 2 x HF 100 B 8x19x6 (295553), 2 x HF 100 C 8x19x6 (295713), 2 x HF 100 F 8x20x6 (295978), 2 x HF 100 G 8x19x6 (296066), 2 x HF 100 L 8x25,4x6 (296205), 2 x HF 100 B 9,6x19x6 (295569), 2 x HF 100 C 9,6x19x6 (295727), 2 x HF 100 F 9,6x19x6 (295987), 2 x HF 100 G 9,6x19x6 (296074), 2 x HF 100 L 9,6x30x6 (296201), 2 x HF 100 B 12,7x25x6 (295610), 2 x HF 100 C 12,7x25x6 (295753), 2 x HF 100 F 12,7x25x6 (296010), 2 x HF 100 G 12,7x25x6 (296086), 2 x HF 100 L 12,7x32x6 (296192)

Advantages: All top sellers at a glance

Size in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
335 x 225 x 380	6	6	1	300627	14

Carbide burr

HF 100 set



Properties: 5 piece burr set, cut 6, in a Klingspor screw lid container

Contents: HF 100 B 9,6x19x6 (295569), HF 100 C 9,6x19x6 (295727), HF 100 D 9,6x8x6 (295843), HF 100 E 9,6x16x6 (295916), HF 100 F 9,6x19x6 (295987)

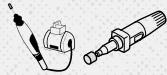
Advantages: Presentation of the top sellers - Practical and safe storage of the burrs

Size in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
70 x 70 x 100	6	6	1	336927	14

Carbide Burrs

Carbide burr

HF 100 Steel



Properties: 5 piece burr set, cut 10, in a Klingspor screw lid container

Contents: HF 100 A 9.6x19x6 (334120), HF 100 C 9.6x19x6 (334137), HF 100 D 9.6x8x6 (334146), HF 100 F 9.6x19x6 (334155), HF 100 L 9.6x30x6 (334172)

Advantages: Safe and convenient storage of the burrs - Toothings optimised for processing steel and cast steel - Improved stock removal performance by contrast with standard cross-cut tooth geometries

Size in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
70 x 70 x 100	6	10	1	337154	14

Carbide burr

HF 100 Inox

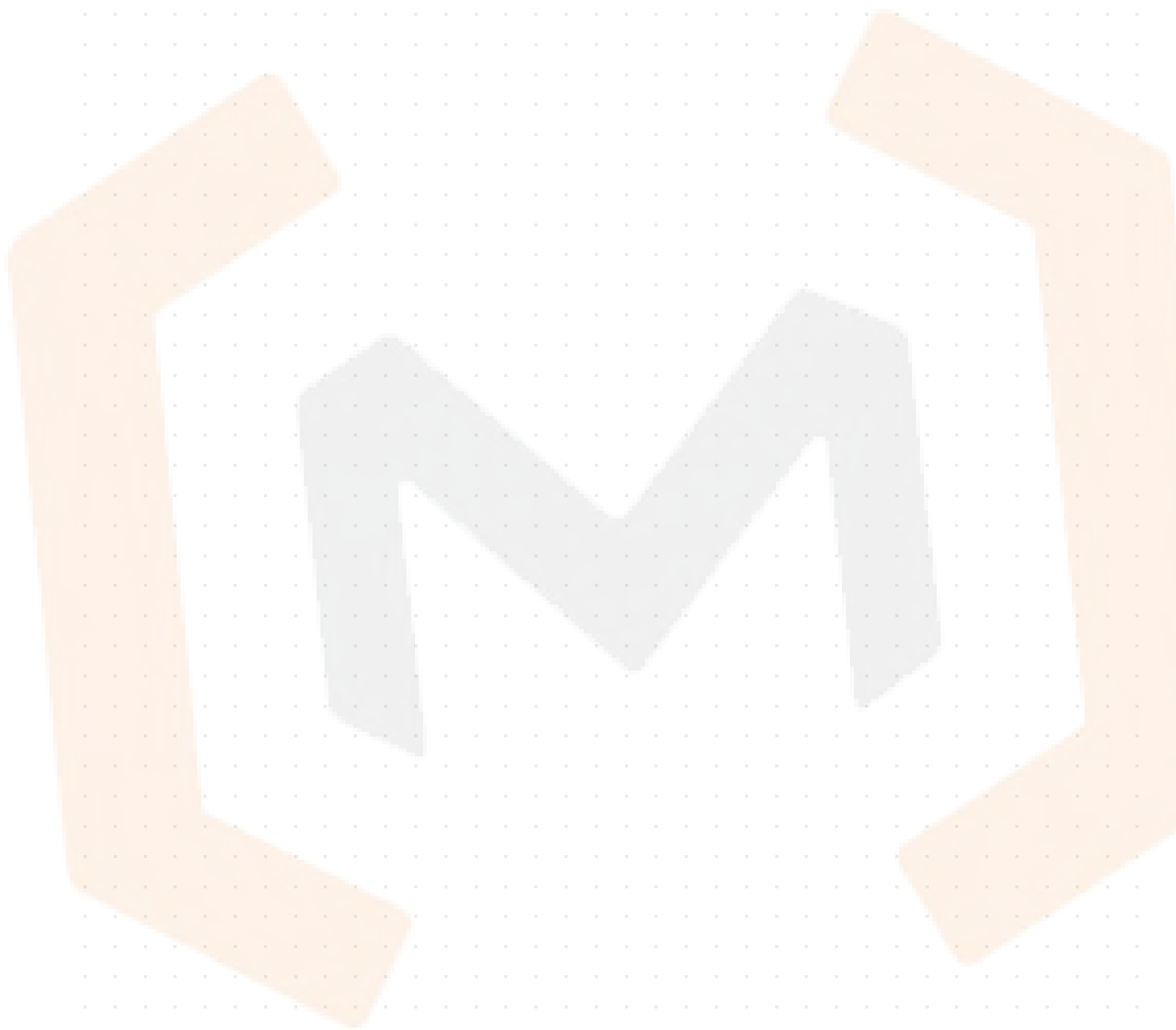


Properties: 5 piece burr set, cut 11, in a Klingspor screw lid container

Contents: HF 100 A 9,6x19,0x6 (334121), HF 100 C 9,6x19x6 (334138), HF 100 D 9,6x8x6 (334145), HF 100 F 9,6x19x6 (334156), HF 100 L 10x20x6 (334204)

Advantages: Practical and safe storage of the burrs - Optimised cut for working on austenitic, corrosion and acid-proof stainless steels - Considerably higher stock removal rate compared to the standard double cut

Size in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Discount group
70 x 70 x 100	6	11	1	334221	14





Wire brushes

About the product

The wire brushes made by Klingspor are used for a wide variety of machining tasks in the steel and stainless steel sector. A key benefit a wire brush holds over abrasives is the fact that the brush only works on the surface of the workpiece without changing the shape of the workpiece to be processed. This benefit is of particular importance during work on ultra-thin sheet metal.

The selection of wire brushes offered by Klingspor comprises a comprehensive range of products that are designed for the most diverse machining tasks, materials and machines.

Applications

- Cleaning of weld seams and surfaces (rust removal, descaling, paint stripping)
- Deburring of cutting edges
- Structuring of surfaces (creating matt, satin or rough finishes)

Machines	Type of wire brush	Wire style	Bristle material	Material applications									Type	Page
				Construction steel	Carbon steel	Alloyed steels	Cast iron	Stainless steel	Aluminium	Copper	Brass	Wood		
	Wheel brush	Knotted	Steel wire	●	●	●	●						<i>BR 600 Z</i>	366
			INOX wire					●	●	●	●		<i>BRP 600 Z</i>	366
	Pipeline brush	Knotted	Steel wire	●	●	●	●						<i>BK 600 Z</i>	367
	Cone brush	Knotted	Steel wire	●	●	●	●						<i>BT 600 Z</i>	367
			INOX wire					●	●	●	●		<i>BT 600 W</i>	368
	Cup-shaped brush	Knotted	Steel wire	●	●	●	●						<i>BRS 600 Z</i>	368
   			INOX wire					●	●	●	●		<i>BRS 600 W</i>	369
	Wheel brush with shaft Ø 6 mm	Knotted	Steel wire	●	●	●	●						<i>BRS 600 P</i>	369
			INOX wire					●	●	●	●	●	<i>BTS 600 W</i>	370
	Wheel brush with shaft Ø 6 mm	Crimped	Steel wire	●	●	●	●						<i>BPS 600 Z</i>	370
			INOX wire					●	●	●	●		<i>BPS 600 W</i>	371
	Wheel brush with shaft Ø 6 mm	Abrasive bristle	SIC	●		●		●	●	●	●	●		
	Cup-shaped brush with shaft Ø 6 mm	Crimped	Steel wire	●	●	●	●						<i>BH 600</i>	372
			INOX wire					●	●	●	●		<i>BHP 600</i>	372
			Brass wire						●	●	●	●	<i>BHK 600</i>	373
	End brush with shaft Ø 6 mm	Knotted	Steel wire	●	●	●	●						<i>BHZ 600</i>	373
			INOX wire					●	●	●	●			
	End brush with shaft Ø 6 mm	Crimped	Steel wire	●	●	●	●							
			INOX wire					●	●	●	●			
			Brass wire						●	●	●			
	Handheld brush with wooden handpiece	Straight	Steel wire	●	●	●	●							
			INOX wire					●	●	●	●			
			Brass wire						●	●	●	●		
	Handheld brush with plastic handpiece	Crimped	Steel wire	●	●	●	●							
			INOX wire					●	●	●	●			
	Handheld brush fillet weld	Straight	Steel wire	●	●	●	●							
			INOX wire					●	●	●	●			
	Spark plug brush	Crimped	INOX wire					●	●	●	●			
			Brass wire						●	●	●			

● = main application

Wire brushes

Applications guide

The most common brushes at a glance



Wheel brushes

Preparing and finishing weld seams, deburring and cleaning cutting edges, corners or angles



Cone brushes

For work on difficult-to-access areas, corners or edges as well as for surface cleaning



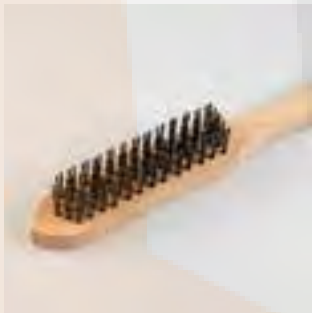
Cup-shaped brushes

For efficient rust, paint or weld spatter removal from large surfaces



End brushes

Ideal tool for work on the insides of pipes, drill holes or indentations



Handheld brushes

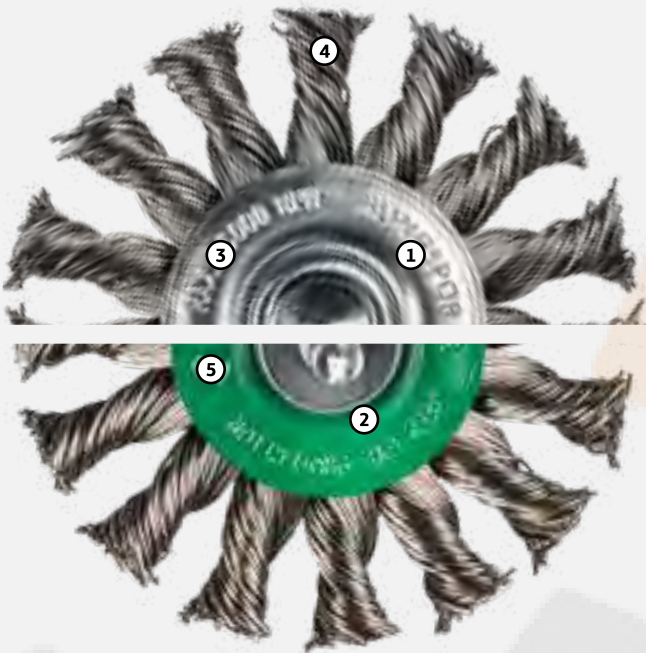
For the manual cleaning of surfaces and weld seams

Wire brushes

Applications guide



- 1. Klingspor logotype**
Reference to certified Klingspor quality
- 2. Safety recommendations**
- 3. Rotational speed**
Reference to maximum permissible motor speed in revolutions per minute



- 4. Wire style**
Klingspor offers wire brushes with knotted, crimped or SiC polyamide bristles
- 5. Area of application**
The base colour of the tool gives an indication of the wire material used
Green = stainless steel
Silver = steel

What the type designation reveals about the design of wire brushes

Product group	Type of wire brush	Performance class	Wire style
B Brushes	K Cone brush R Wheel brush RP Wheel brush pipeline T Cup-shaped brush TS Cup-shaped brush with shaft PS End brush with shaft RS Wheel brush with shaft H Handheld brush with wooden handpiece HP Handheld brush with plastic handpiece HK Fillet weld brush HZ Spark plug brush	600 SUPRA	Z Knotted W Crimped P SiC polyamide bristles

Here explained by example of the BTS 600 W

Product group	Type of wire brush	Performance class	Wire style
B Brushes	TS Cup-shaped brush with shaft	600 SUPRA	W Crimped

Wire brushes

Applications guide

Bristle materials and their properties

Wire types / style

Steel wire

High strength quality steel wire with great tensile and bending fatigue strength for exceptional economy.



Knotted

- Aggressive brush action
- Long service life
- Minimum flexibility

Non-corrosive steel wire / INOX

Quality stainless steel wire with great tensile strength for a long service life. Resistant to corrosion during applications on chromium-nickel steel, aluminium and other NF metals.



Crimped

- Gentle, material-friendly brush action
- For sensitive surfaces and soft materials
- Perfect contouring to the shape of the workpiece



Brass wire

Soft, fine brass wire for the surface finish of NF metals (copper, brass).



Polyamide bristle

A flexible abrasive bristle interspersed with SiC abrasive grain. Uniform brush action thanks to the continuous release of new abrasive grain.



Safe application of wire brushes

The maximum operating speed of the brush varies with the diameter of the brush and must never be exceeded for safety reasons. Before using the brush, always verify that the motor speed of the machine does not exceed the maximum operating speed of the brush.

Refer to the table below for a recommendation as to which brush diameter you can mount on which angle grinder:

		Ø 115 mm (max. 12,500 rpm)	Ø 125 mm (max. 11,500 rpm)	Ø 180 mm (max. 8,500 rpm)
Type of brush		Brush diameter		
	BR 600 Z Wheel brush, knotted	Ø 115 mm (max. 12,500 rpm)	Ø 125 mm (max. 12,500 rpm)	Ø 180 mm (max. 8,500 rpm)
	BRP 600 Z Pipeline brush, knotted	Ø 115 mm (max. 15,000 rpm)	Ø 125 mm (max. 12,500 rpm)	Ø 180 mm (max. 9,000 rpm)
	BK 600 Z Cone brush, knotted	Ø 100 mm Ø 115 mm (max. 12,500 rpm)		
	BT 600 Z Cup-shaped brush, knotted	Ø 65 mm (max. 12,500 rpm)		Ø 80 mm Ø 100 mm (max. 8,500 rpm)
	BT 600 W Cup-shaped brush, crimped	Ø 65 mm (max. 12,500 rpm)		Ø 80 mm Ø 100 mm (max. 8,500 rpm)

Wire brushes

Applications guide

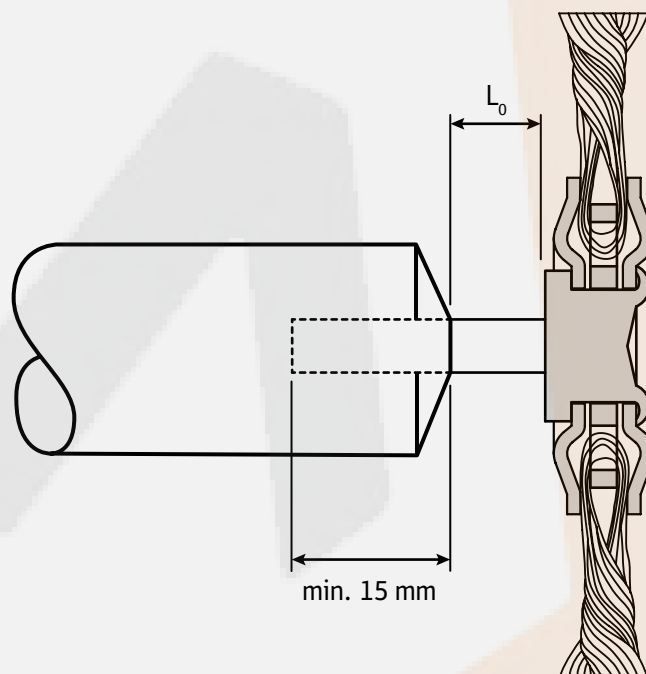
Cutting speeds

The cutting speeds are dependent on the material to be processed. Working within the proper speed range is paramount to the economical operation of the brush. Depending on the material, we recommend using the following cutting speeds as guidelines:

Material	Cutting speed [m/s]									
	10	15	20	25	30	35	40	45	50	55
Steel								40 - 50		
Stainless steel					30 - 35					
NF metals			18 - 22							
Plastic		15 - 20								

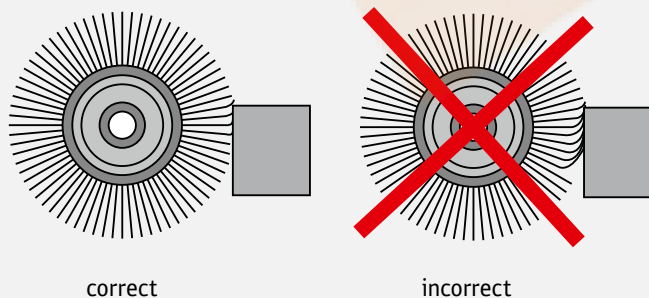
Safe use of shaft brushes

The receiving shaft should be as low as possible, but should be clamped into the tool holder with a depth of no less than 15 mm. If the exposed shaft length is $L_0 > 10\text{mm}$, the speed must be reduced for safety reasons.



Tool pressure

You will achieve an optimum sanding result when working only with the wire tips of the brush. Increasing the tool pressure will cause the brush to wear out faster due to wire breakage and thus reduce the service life of the brush.



Factors with an impact on the brushing result

If the brushing result does not satisfy your requirements, you can optimise the outcome by changing certain application parameters.

Measure Problem	Brush Ø	Rotational speed	Wire thickness	Bristle length
Brush action too weak	increase	increase	increase	reduce
Brush action too aggressive	decrease	reduce	reduce	extend
Surface finish too rough and uneven	decrease	reduce	reduce	extend
Surface finish too fine	increase	increase	increase	reduce
Formation of secondary burrs	increase	increase	increase	reduce

The safe use of Klingspor abrasives

Manufactured in compliance with the requirements set out in the EN 1083-2, Klingspor wire brushes guarantee the highest level of safety for the user.



Wear safety goggles or glasses to protect the eyes



Wear dust mask



Use ear protectors



Wear safety gloves to protect hands



Observe safety instructions

Wire brushes

Wheel brush, knotted wire

BR 600 Z



NEW



Applications

Stainless steel	●
Steel	●

Advantages: Wheel brush for pre- and post-processing of welding seams - For aggressive removal of scale, rust, slag - For heavy brushing and deburring work

Diameter x Width x Bore in mm	Fill material	Wire thickness in mm	Fill length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 14 x 22,23	Steel	0,50	22	20	12500 rpm	1	358311	14
115 x 14 x 22,23	Stainless steel	0,50	22	20	12500 rpm	1	358342	14
125 x 14 x 22,23	Steel	0,50	22	24	12500 rpm	1	358312	14
125 x 14 x 22,23	Stainless steel	0,50	22	24	12500 rpm	1	358343	14
178 x 14 x 22,23	Steel	0,50	42	30	9000 rpm	1	358313	14

Pipeline brush, knotted wire

BRP 600 Z



NEW



Applications

Steel	●
-------	---

Advantages: Ideal tool for the professional processing of U / V-type welds in pipeline, pipework and container construction - Thanks to its slim overall width it is also well suited for working on hard-to-reach areas (e.g. root or narrow fillet welds) - Cleaning of all welding seams on pipe connections

Diameter x Width x Bore in mm	Fill material	Wire thickness in mm	Fill length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
115 x 6 x 22,23	Steel	0,50	28	32	15000 rpm	1	358314	14
125 x 6 x 22,23	Steel	0,50	22	36	12500 rpm	1	358315	14
178 x 6 x 22,23	Steel	0,50	42	48	9000 rpm	1	358319	14

Cone brush with thread, knotted wire

BK 600 Z



NEW !



Applications

Steel	●
Stainless steel	●

Advantages: Ideal tool for working on hard-to-reach areas, inside corners and bevels - High brushing capacity due to knotted wire design - Excellent for cleaning larger surfaces - Removal of scale, rust, paint, slag, etc.

Diameter x Width in mm	Thread/Shaft	Fill material	Wire thickness in mm	Fill length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
100 x 14	thread M14	Steel	0,50	20	18	12500 rpm	1	358327	14
100 x 14	thread M14	Stainless steel	0,50	20	20	12500 rpm	1	358329	14
115 x 14	thread M14	Steel	0,50	22	18	12500 rpm	1	358328	14
115 x 14	thread M14	Stainless steel	0,50	22	20	12500 rpm	1	358330	14

Cup-shaped brush with thread, knotted wire

BT 600 Z



NEW !



Applications

Steel	●
Stainless steel	●

Advantages: For aggressive brushing work on large, flat surfaces - For preparing metal surfaces before varnishing - Stable knotted wire design for easy cleaning and removal of slag, rust, scale and concrete residues

Diameter in mm	Thread/Shaft	Fill material	Wire thickness in mm	Fill length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
65	thread M14	Steel	0,35	22	18	12500 rpm	1	358334	14
65	thread M14	Steel	0,50	22	18	12500 rpm	1	358335	14
65	thread M14	Stainless steel	0,50	22	18	12500 rpm	1	358340	14
80	thread M14	Steel	0,50	22	20	8500 rpm	1	358337	14
100	thread M14	Steel	0,50	27	22	8500 rpm	1	358338	14

Wire brushes

Cup-shaped brush, crimped wire

BT 600 W



NEW



Applications

Steel	●
Stainless steel	●

Advantages: Ideal tool for cleaning and clearing profiled or uneven surfaces, e.g. checker plate - For medium-duty brushing work, derusting and removing paint, impurities and paint residues - Material-saving work - For processing very thin sheet metal, e.g. car workshops and restoration companies

Diameter in mm	Thread/Shaft	Fill material	Wire thickness in mm	Fill length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
65	thread M14	Steel	0,30	21	12500 rpm	1	358372	14
65	thread M14	Stainless steel	0,30	21	12500 rpm	1	358377	14
80	thread M14	Steel	0,30	24	8500 rpm	1	358373	14
80	thread M14	Stainless steel	0,30	24	8500 rpm	1	358326	14
100	thread M14	Steel	0,30	27	8500 rpm	1	358375	14

Wheel brush with shaft, knotted wire

BRS 600 Z



NEW



Applications

Steel	●
Stainless steel	●

Advantages: Knotted design for rough brushing work and long service life - For efficient work in hard-to-reach areas such as grooves, flutes, depressions - Deburring of cut edges, removal of scale, paint, slag

Diameter x Width x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Fill length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
75 x 12 x 6	37	Steel	0,50	19	15	25000 rpm	10	358320	14
75 x 12 x 6	37	Stainless steel	0,50	19	15	25000 rpm	10	358321	14

Wheel brush with shaft, crimped wire

BRS 600 W



NEW !



Applications

Steel	●
Stainless steel	●

Advantages: Crimped wire design for gentle cleaning of small to medium surfaces - Especially suitable for components with difficult access such as beads, flanged edges - Good brushing performance even with profiled workpieces

Diameter x Width x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Fill length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
30 x 9 x 6	40	Steel	0,20	6	20000 rpm	20	358346	14
30 x 9 x 6	40	Stainless steel	0,20	6	20000 rpm	20	358357	14
40 x 9 x 6	40	Steel	0,20	11	18000 rpm	20	358348	14
40 x 9 x 6	40	Stainless steel	0,20	11	18000 rpm	20	358358	14
50 x 9 x 6	40	Steel	0,30	13	15000 rpm	10	358354	14
50 x 9 x 6	40	Stainless steel	0,30	13	15000 rpm	10	358359	14
60 x 14 x 6	44	Steel	0,30	18	15000 rpm	10	358355	14
60 x 14 x 6	44	Stainless steel	0,30	18	15000 rpm	10	358360	14
70 x 16 x 6	48	Steel	0,30	20	15000 rpm	10	358356	14
70 x 16 x 6	48	Stainless steel	0,30	20	15000 rpm	10	358362	14

Wheel brush with shaft, polyamide bristles

BRS 600 P



NEW !



Applications

Stainless steel	●
NF metals	●
Wood	●

Advantages: Abrasive bristles of polyamide interspersed with silicon carbide (SiC) grain for working with light contact pressure - Ideal for structuring and paint stripping of wooden components - Removal of oxide layers on non-ferrous metals or of tarnish colours on stainless steel components, e.g. filled rods on stainless steel railings

Diameter x Width x Shaft in mm	Total length in mm	Fill material	Fill length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
50 x 9 x 6	45	Polyamide SiC grit 120	10	6000 rpm	10	358364	14
50 x 9 x 6	45	Polyamide SiC grit 320	10	6000 rpm	10	358366	14
70 x 12 x 6	45	Polyamide SiC grit 120	14	4500 rpm	10	358367	14
70 x 12 x 6	45	Polyamide SiC grit 320	14	4500 rpm	10	358369	14

Wire brushes

Cup-shaped brush with shaft, crimped wire

BTS 600 W



NEW !



Applications

Steel	●
Stainless steel	●

Advantages: Ideal tool for cleaning small and medium-sized surfaces - Crimped wire ideal for fine machining or surface preparation of steel or stainless steel - Removes paint, rust, incrustations

Diameter x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Fill length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
50 x 6	70 mm	Steel	0,30	24	13000 rpm	20	358331	14
50 x 6	70 mm	Stainless steel	0,30	24	13000 rpm	20	358332	14

End brush with shaft, knotted wire

BPS 600 Z



NEW !



Applications

Steel	●
Stainless steel	●

Advantages: Tool diameter changes depending on the rotation speed - Perfectly suited for working on pipe inner surfaces or bores - High brushing effect due to knotted wire design

Diameter x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Fill length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
19 x 6	70	Steel	0,35	25	6	20000 rpm	20	358333	14
19 x 6	70	Stainless steel	0,35	25	6	20000 rpm	20	358336	14
22 x 6	70	Steel	0,35	25	8	20000 rpm	10	358339	14
22 x 6	70	Stainless steel	0,35	25	8	20000 rpm	10	358341	14
30 x 6	72	Steel	0,35	25	12	20000 rpm	10	358344	14
30 x 6	72	Stainless steel	0,35	25	12	20000 rpm	10	358345	14

End brush with shaft, crimped wire

BPS 600 W



NEW !

Applications

Steel	●
Stainless steel	●

Advantages: For fine machining and removal of light burrs in pipes or bores - Well suited for processing and cleaning moulds and die-cast parts - Very soft and adaptable tool



Diameter x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Fill length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Discount group
12 x 6	70	Steel	0,30	25	20000 rpm	30	358350	14
12 x 6	70	Stainless steel	0,30	25	20000 rpm	30	358351	14
25 x 6	75	Steel	0,30	25	18000 rpm	10	358347	14
25 x 6	75	Stainless steel	0,30	25	18000 rpm	10	358352	14
30 x 6	75	Steel	0,30	25	18000 rpm	10	358349	14
30 x 6	75	Stainless steel	0,30	25	18000 rpm	10	358353	14

Wire brushes

Hand brush with wooden body

BH 600



NEW !

Applications

Steel	●
Stainless steel	●
NF metals	●

Advantages: Hand brush with wooden handle for manual removal of rust, dirt, paint

Length in mm	Effective length in mm	Fill length in mm	Fill material	Structure	Number of rows	Wire thickness in mm	Packing unit/pcs.	Cat. number	Discount group
290	125	25	Steel	Straight	2	0,35	12	358361	14
290	125	25	Steel	Straight	3	0,35	12	358376	14
290	125	25	Steel	Straight	4	0,35	12	358365	14
290	125	25	Steel	Straight	5	0,35	12	358363	14
290	125	25	Stainless steel	Straight	3	0,30	12	358368	14
290	125	25	Stainless steel	Straight	4	0,30	12	358370	14
290	125	25	Brass	Crimped	3	0,35	12	358371	14
290	125	25	Brass	Crimped	4	0,35	12	358374	14

Hand brush with plastic handle

BHP 600



NEW !

Applications

Steel	●
Stainless steel	●
NF metals	●

Advantages: Comfortable handling due to ergonomically shaped plastic handle - Crimped wire design for gentle cleaning of steel, stainless steel or non-ferrous metals

Length in mm	Effective length in mm	Fill length in mm	Fill material	Structure	Wire thickness in mm	Packing unit/pcs.	Cat. number	Discount group
265	140	25	Steel	Crimped	0,30	24	358323	14
265	140	25	Stainless steel	Crimped	0,30	24	358324	14
265	140	25	Brass	Crimped	0,30	24	358325	14

Fillet weld brush

BHK 600



NEW !



Applications

Steel	●
Stainless steel	●
NF metals	●

Advantages: V-shaped wire fill ideal for cleaning and cleansing fillet and V-type welds - Well suited for working in hard-to-reach areas, e.g. corners or angles

Length in mm	Effective length in mm	Fill length in mm	Fill material	Structure	Number of rows	Wire thickness in mm	Packing unit/pcs.	Cat. number	Discount group
290	125	25	Steel	Straight	3	0,35	12	358378	14
290	125	25	Stainless steel	Straight	3	0,30	12	358379	14

Spark plug brush

BHZ 600



NEW !



Applications

Steel	●
Stainless steel	●
NF metals	●

Advantages: Soft brass or stainless steel wire suitable for fine brushing work - Ideal for the gentle cleaning of contact surfaces, e.g. spark plugs or electrodes

Length in mm	Effective length in mm	Fill length in mm	Fill material	Structure	Number of rows	Wire thickness in mm	Packing unit/pcs.	Cat. number	Discount group
145	45	17	Brass	Crimped	3	0,17	25	358322	14
145	45	17	Stainless steel	Crimped	3	0,17	25	358463	14



CAUTION
SAFETY
INSTRUCTIONS
SEE PAGE 10

D.I.Y. range

The new Klingspor D.I.Y. range in user friendly packaging

The relevant grit ranges and assortments in customised packing units. Uniform packing design, precise product identification for quick access.

Coated abrasives – the ideal presentation: Klingspor offers a display system for an attractive and sales promoting presentation of the products. The compact space saving display packaging allows an efficient use of the sales area.

Klingspor expert advisers are at your disposal.

	Machines								Material applications								
Type	Hand sanding and finishing	Hand block	Orbital sander	Hand tool belt grinder	Portable belt sander	Angle grinderr	Random orbital sander	Delta sander	Steel	Stainless steel	Paint / varnish / fillers	Wood	Metals	NF metals	Plastics	Glass / stone	Page
PL 31 B	●	●	●								●	●	○				376
PS 11 A	●										●			○	●	○	379
PS 11 C	●										●			○	●	○	378
PL 31 B	●										●	●	○				379
KL 371 X	●												●	●			380
PL 31 B			●								●	●	○				380
PS 22 K			●							○	○	●	●		○		382
CS 310 XF				●					●	●			●	●			376
LS 309 XH					●						○	●	●	●			377
CS 561						●			●	○		○	●	●	○		378
A 60 TZ						●			●	●				●			384
PS 22 K							●			○	○	●	●		○		383
PS 22 K								●		○	○	●	●		○		382

● = main application ○ = possible application

The D.I.Y. range

Finishing paper

PL 31 B D.I.Y. Packs



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Metals	●

Advantages: Product with optimal price-performance ratio - Optimised wear properties for hand sanding and handheld machine sanding

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Cat. number	Discount group
115 x 5000	40	241817	1
115 x 5000	60	241818	1
115 x 5000	80	241819	1
115 x 5000	120	241820	1
115 x 5000	180	241821	1

Packing unit (Minimum order quantity) = 5 rolls

File belt, abrasive cloth

CS 310 XF D.I.Y. Packs



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	XF-cotton

Applications

Steel	●
Stainless steel	●
NF metals	●

Advantages: Universal type for working on radiuses and contours with belt files in all areas of metalworking

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Cat. number	Discount group
13 x 457	40	F4G	248820	4
13 x 457	60	F4G	248821	4
13 x 457	120	F4G	248822	4

Packing unit (Minimum order quantity) = 6 assortments of 3 belts

Abrasive cloth

LS 309 XH D.I.Y. Packs



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Wood	●
Metals	●
NF metals	●
Paint/Varnish/Filler	⦿

Advantages: Special type for portable belt sanders - For universal use on wood, metal, paint and varnish - Large product mix of belts for all standard machines

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Cat. number	Discount group
65 x 410	60	F5	7001	4
65 x 410	80	F5	7002	4
65 x 410	120	F5	7004	4
75 x 457	40	F5	9189	4
75 x 457	60	F5	9176	4
75 x 457	80	F5	9172	4
75 x 457	100	F5	9171	4
75 x 457	120	F5	7138	4
75 x 480	60	F5	7007	4
75 x 480	80	F5	7008	4
75 x 480	120	F5	7010	4
75 x 533	40	F5	7018	4
75 x 533	60	F5	7019	4
75 x 533	80	F5	7020	4
75 x 533	100	F5	7021	4
75 x 533	120	F5	7022	4
75 x 533	150	F5	7023	4
75 x 533	180	F5	7077	4
100 x 560	40	F5	7036	4
100 x 560	60	F5	7037	4
100 x 560	80	F5	7038	4
100 x 560	100	F5	7039	4
100 x 560	120	F5	7040	4
100 x 610	40	F5	7080	4
100 x 610	60	F5	7081	4
100 x 610	80	F5	7082	4
100 x 610	100	F5	7083	4
100 x 610	120	F5	7084	4
105 x 620	40	F5	7030	4
105 x 620	60	F5	7031	4
105 x 620	80	F5	7032	4
105 x 620	120	F5	7034	4

Packing unit (Minimum order quantity) = 6 assortments of 3 belts

The D.I.Y. range

Abrasive fibre disc

CS 561 D.I.Y. Packs



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

Applications

Steel	●	Wood	ⓘ
NF metals	●		
Plastic	●		
Stainless steel	ⓘ		

Advantages: For universal use - Largest selection of diameters, grit sizes and hole patterns

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 x Hole in mm	Grit	Hole pattern	Cat. number	Discount group
115 x 22	24	⊗ 30	255905	8
115 x 22	40	⊗ 30	255906	8
115 x 22	60	⊗ 30	255907	8
115 x 22	80	⊗ 30	255908	8
115 x 22	120	⊗ 30	255909	8
125 x 22	24	⊗ 30	255910	8
125 x 22	40	⊗ 30	255911	8
125 x 22	60	⊗ 30	255912	8
125 x 22	80	⊗ 30	255913	8
125 x 22	120	⊗ 30	255914	8

Packing unit (Minimum order quantity) = 5 assortments of 5 fibre discs

Abrasive paper, waterproof

PS 11 C D.I.Y. Packs



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

Applications

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

Advantages: Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Wet and dry sanding

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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Width x Length in mm	Grit	Cat. number	Discount group
230 x 280	120	241787	5
230 x 280	180	241789	5

Packing unit (Minimum order quantity) = 5 assortments of 5 sheets

Abrasive paper, waterproof

PS 11 A D.I.Y. Packs



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

Applications

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

Advantages: Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Wet and dry sanding

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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Width x Length in mm	Grit	Cat. number	Discount group
230 x 280	240	241790	5
230 x 280	400	241791	5

Packing unit (Minimum order quantity) = 5 assortments of 5 sheets

Finishing paper

PL 31 B D.I.Y. Packs



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Metals	⦿

Advantages: Product with optimal price-performance ratio - Optimised wear properties for hand sanding - Very fine surface scratch pattern

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Cat. number	Discount group
230 x 280	40	241776	5
230 x 280	60	241777	5
230 x 280	80	241778	5
230 x 280	120	241779	5
230 x 280	240	241780	5

Packing unit (Minimum order quantity) = 5 assortments of 5 sheets

The D.I.Y. range

Abrasive cloth, blue

KL 371 X D.I.Y. Packs



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Close
Backing	X-cotton

Applications

Metals	●
NF metals	●

Advantages: Attractively priced universal product for surface hand sanding

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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Width x Length in mm	Grit	Cat. number	Discount group
230 x 280	40	241781	6
230 x 280	60	241783	6
230 x 280	80	241784	6
230 x 280	120	241785	6
230 x 280	240	241786	6

Packing unit (Minimum order quantity) = 5 assortments of 5 sheets

Finishing paper

PL 31 B D.I.Y. Packs



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Metals	○

Advantages: Product with optimal price-performance ratio - Optimised wear properties for handheld machine sanding - Very fine surface scratch pattern

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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Cat. number	Discount group
93 x 230	40		241732	5
93 x 230	60		241733	5
93 x 230	80		241734	5
93 x 230	120		241735	5
93 x 230	180		241736	5
93 x 230	40	GL 9	241725	5
93 x 230	60	GL 9	241726	5
93 x 230	80	GL 9	241727	5



►► Continuation of PL 31 B D.I.Y. Packs, Finishing paper

Width x Length in mm	Grit	Hole pattern	Cat. number	Discount group
93 x 230	120	 GL 9	241728	5
93 x 230	180	 GL 9	241729	5
93 x 230	240	 GL 9	241730	5
115 x 280	40		241678	5
115 x 280	60		241679	5
115 x 280	80		241680	5
115 x 280	120		241681	5
115 x 280	180		241682	5
115 x 280	40	 GL 1	241670	5
115 x 280	60	 GL 1	241671	5
115 x 280	80	 GL 1	241673	5
115 x 280	120	 GL 1	241674	5

Packing unit (Minimum order quantity) = 5 assortments of 10 strips

Finishing paper

PL 31 B D.I.Y. Packs Set



Properties

Bonding agent	Glue
Grain	Aluminium oxide
Coating	Semi-open
Backing	B-paper

Applications

Paint/Varnish/Filler	●
Wood	●
Metals	ⓘ

Advantages: Product with optimal price-performance ratio - Optimised wear properties for handheld machine sanding - Very fine surface scratch pattern

Assortments in three pieces grit 40, three pieces grit 80 and four pieces grit 120

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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Width x Length in mm	Grit	Hole pattern	Cat. number	Discount group
93 x 230	several grain sizes		241738	5
93 x 230	several grain sizes	 GL 9	241731	5
115 x 280	several grain sizes		241684	5

Packing unit (Minimum order quantity) = 5 assortments of 10 strips

The D.I.Y. range

Abrasive paper, self-fastening

PS 22 K D.I.Y. Packs



Properties		Applications
Bonding agent	Resin	Wood ●
Grain	Aluminium oxide	Metals ●
Coating	Semi-open	Paint/Varnish/Filler ○
Backing	E-paper	Plastic ○

Advantages: High removal rate - Uniform scratch pattern

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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Width x Length in mm	Grit	Hole pattern	Cat. number	Discount group
115 x 230	40	GL 15	241663	5
115 x 230	60	GL 15	241664	5
115 x 230	80	GL 15	241665	5
115 x 230	120	GL 15	241666	5
115 x 230	180	GL 15	241667	5

Packing unit (Minimum order quantity) = 5 assortments of 10 strips

Abrasive paper, self-fastening

PS 22 K D.I.Y. Packs



Properties		Applications
Bonding agent	Resin	Wood ●
Grain	Aluminium oxide	Metals ●
Coating	Semi-open	Paint/Varnish/Filler ○
Backing	E-paper	Plastic ○

Advantages: Universal abrasive disc for metalworking and woodworking - Uniform surface scratch pattern - Available in many grit sizes and dimensions

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	Hole pattern	Cat. number	Discount group
96	40	GLS 15	241656	5
96	60	GLS 15	241657	5
96	80	GLS 15	241658	5
96	120	GLS 15	241659	5
96	180	GLS 15	241660	5

Packing unit (Minimum order quantity) = 5 assortments of 5 triangles

Abrasive paper, self-fastening

PS 22 K D.I.Y. Packs



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	E-paper

Applications

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

Advantages: Universal abrasive disc for metalworking and woodworking - Uniform surface scratch pattern - Available in many grit sizes and dimensions

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	Hole pattern	Cat. number	Discount group
115	40	○ 0	278805	5
115	60	○ 0	278806	5
115	80	○ 0	278807	5
115	120	○ 0	278808	5
115	180	○ 0	278809	5
115	40	⊗ GLS 4	243219	5
115	60	⊗ GLS 4	241608	5
115	80	⊗ GLS 4	243220	5
115	120	⊗ GLS 4	241610	5
115	180	⊗ GLS 4	241611	5
125	40	○ 0	278810	5
125	60	○ 0	278811	5
125	80	○ 0	278812	5
125	120	○ 0	278813	5
125	180	○ 0	278814	5
125	40	⊗ GLS 5	241614	5
125	60	⊗ GLS 5	241625	5
125	80	⊗ GLS 5	241626	5
125	120	⊗ GLS 5	241627	5
125	180	⊗ GLS 5	241628	5
150	40	⊗ GLS 3	241649	5
150	60	⊗ GLS 3	241650	5
150	80	⊗ GLS 3	241651	5
150	120	⊗ GLS 3	241652	5
150	180	⊗ GLS 3	241653	5
150	40	⊗ GLS 51	319068	5
150	60	⊗ GLS 51	319069	5
150	80	⊗ GLS 51	319070	5
150	120	⊗ GLS 51	319071	5
150	180	⊗ GLS 51	319073	5

Packing unit (Minimum order quantity) = 5 assortments of 5 discs

The D.I.Y. range

Abrasive paper, self-fastening

PS 22 K D.I.Y. Packs Set



Properties		Applications
Bonding agent	Resin	Wood ●
Grain	Aluminium oxide	Metals ●
Coating	Semi-open	Paint/Varnish/Filler ○
Backing	E-paper	Plastic ○

Advantages: Universal abrasive disc for metalworking and woodworking - Uniform surface scratch pattern - Available in many grit sizes and dimensions

Set discs: Assortments in two pieces grit 40, two pieces grit 80 and two pieces grit 120

Available grits:

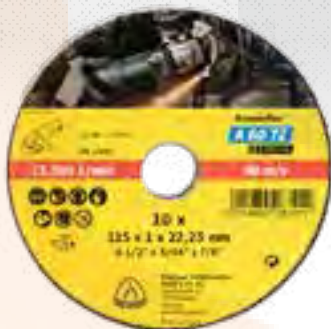
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Hole pattern	Cat. number	Discount group
96	several grain sizes	△ GLS 15	241662	5
125	several grain sizes	⊙ GLS 5	241630	5
150	several grain sizes	⊙ GLS 51	319072	5

Packing unit (Minimum order quantity) = 5 assortments = 30 pieces (discs, triangles)

Cutting-off wheel

A 60 TZ SPECIAL D.I.Y. Packs

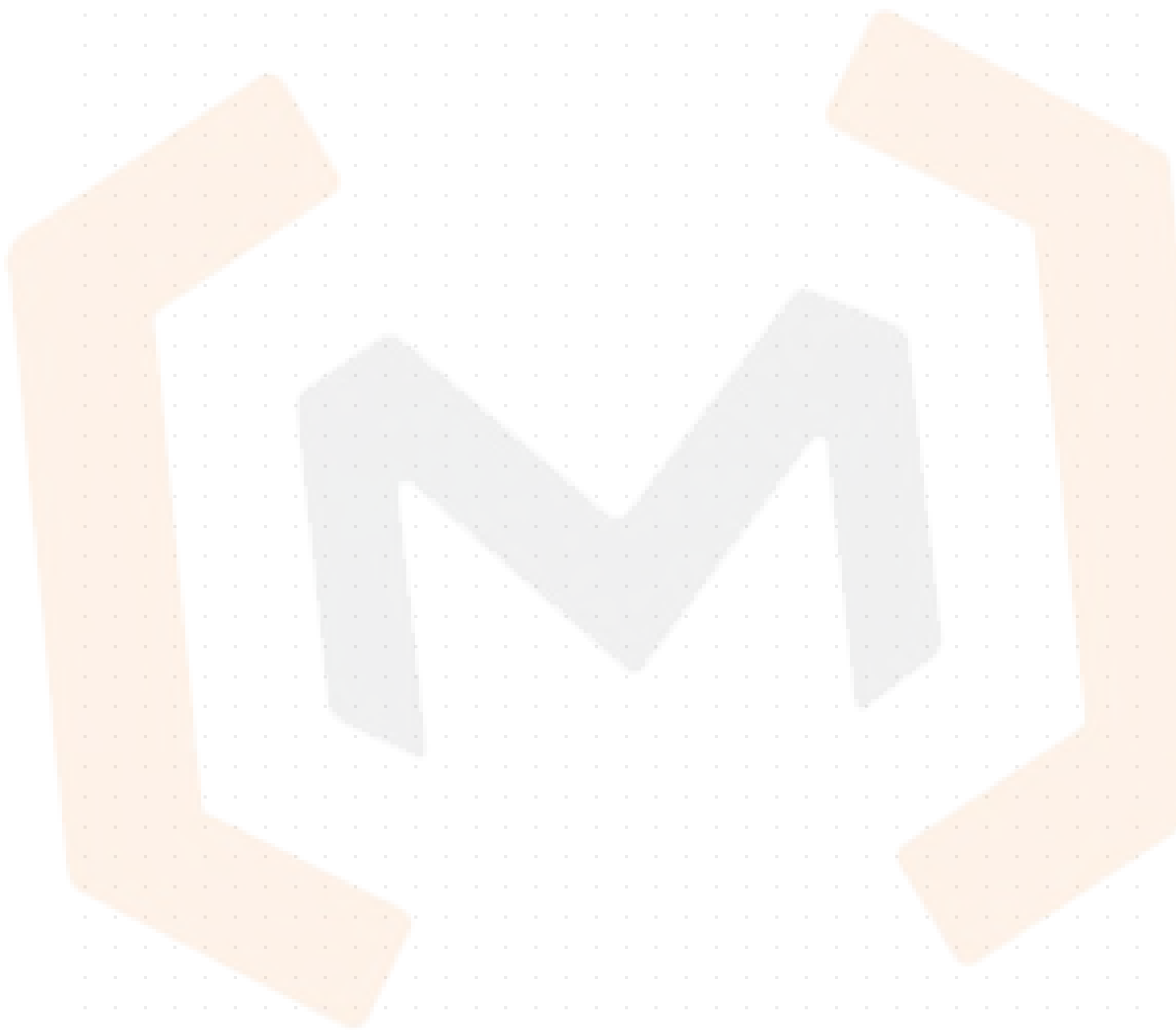


Class	SPECIAL	Applications
Bond	■ ■ ■ ■ ■ □ □	Stainless steel ●
Aggression	■ ■ ■ ■ ■ □ □	Steel ●
Service life	■ ■ ■ ■ ■ □ □	NF metals ○

Advantages: Free of iron, sulphur and chlorine - Short cutting times - Minimal burr formation - Low thermal load

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Cat. number	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	257875	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	257876	11

Packing unit (Minimum order quantity) = 1 assortment of 10 cutting-off wheels



Point of Sale

Flexible, easy care and maintenance, representative: The new, modular POS system by Klingspor

The full range of products – from the showroom to one-on-one selling. It must be representative, boost sales and be easy to care for – the requirements for a POS are manifold and keep changing. The new POS system by Klingspor can be configured according to individual needs.

Flexibility

The new Klingspor POS system is flexibly scalable. Standardised modules with a width of one metre can be extended in height and width. All new POS elements are fully compatible with previous Klingspor POS modules.

Optimally representative

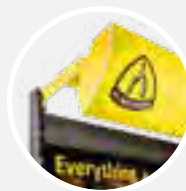
The effective image modules complement your POS presentation. The artwork can be customised according to your product range and display requirements.

Minimal effort for care and maintenance

The modular design and easily changeable magnetic foils keep your display up to date. Popular products and promotions that make for sales momentum can be installed on the display with a few simple steps. Products can be stored in the optional base drawer.

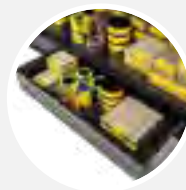
Point of Sale Brochure

Please request our Point of Sale brochure for more detailed information on the POS elements, modules and accessories.



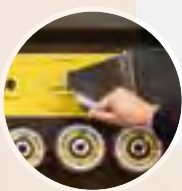
Backlit top panels

Simple but effective. With backlit top panels that disperse light to the front as well as on the products, you'll find it easy to attract attention to your POS.

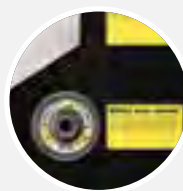


Optional storage space

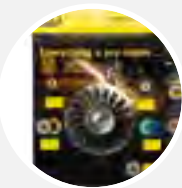
A handy base drawer for storing fast moving products.



Flexible labelling due to detachable magnetic foils
Provide quick and easy changing.



Representative image module
Highlight the products in your range with this effective hexagon design, which can be customised accordingly.



Customised artwork available
Design the POS with individual eye-catching designs. We are happy to advise you.



Magnetic top panels
The magnetic foils can also be applied to the centre gondola and enable easy care and maintenance.

Safety recommendations

General Principles of Safety

Abrasive products improperly used can be very dangerous.

- ▶ Always follow the instructions provided by the abrasive product and machine supplier.
- ▶ Ensure that the abrasive product is suitable for its intended use. Examine all abrasive products for damage or defects before use.
- ▶ Follow the correct procedures for handling and storage of abrasive products. Be aware of the hazards likely during the use of abrasive products and observe the recommended precautions to be taken:
- ▶ Bodily contact with the abrasive product at operating speed.
- ▶ Injury resulting from product breakage during use.
- ▶ Grinding debris, sparks, fumes and dust generated by the grinding process.
- ▶ Noise
- ▶ Vibration

Use only abrasive products conforming to the highest standards of safety. These products will bear the relevant EN standard number and/or the inscription "oSa":

- ▶ EN 12413 for Bonded Abrasives.
- ▶ EN 13236 for Superabrasives.
- ▶ EN 13743 for Specific Coated Abrasives (vulcanised fibre discs, flap wheels, flap discs and spindle-mounted flap wheels).

Never use a machine that is not in good working order or one with defective parts. Employers should carry out a risk assessment on all individual abrasive processes to determine the appropriate protective measures necessary. They should ensure that their employees are suitably trained to carry out their duties.

More detailed information on the safe use of abrasive products, comprehensive Safety Codes are available from FEPA or your National Trade Association.

- ▶ FEPA Safety Code for Bonded Abrasives and Precision Superabrasives.
- ▶ FEPA Safety Code for Superabrasives for Stone and Construction.
- ▶ FEPA Safety Code for Coated Abrasives.

Precautions against likely hazards

Bodily contact with the abrasive product

- ▶ Always take great care and attention when using abrasive products. Tie back long hair and do not wear loose clothing, ties or jewellery.
- ▶ Prevent accidental start up of the machine before mounting or changing an abrasive product. Isolate machines from their power source where necessary.
- ▶ Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted before starting the machine.
- ▶ Always use gloves and suitable clothing where the workpiece or machine is handheld. For gloves, a minimum protection level of EN 388 Category 2 is recommended.
- ▶ After switching off the machine, ensure the product has come to rest before leaving the machine unattended.

Injury caused by product breakage

- ▶ Always handle abrasives with great care, they are easily damaged. Examine all products for defects or damage before use.
- ▶ Store abrasives in dry, frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected and supported to prevent damage and distortion.
- ▶ Coated abrasives remain usable for at least 5 years if stored in temperatures of 18-22 °C and at a relative humidity of 45-65 % and if protected against mechanical impact and the effects of radiation, chemicals, mould and other micro-organisms.
- ▶ Abrasive belts should be hung on a rod or peg not less than 50mm diameter.
- ▶ Never use an abrasive product beyond its expiry date where marked. Observe the recommended shelf life for the following specific products; Resinoid and Shellac products 3 years, Rubber products 5 years, Vitrified products 10 years.
- ▶ Check abrasive product or package for any warnings or other safety information.
- ▶ Ensure that the correct abrasive product is selected. Never use a product if it cannot be properly identified.
- ▶ Follow the instructions provided by the abrasive product or machine supplier when mounting abrasive products. Observe any mounting indications marked on the product such as direction of run or mounting position.
- ▶ Never force the abrasive product onto the mounting fixture or modify it to fit.
- ▶ Never exceed the maximum operating speed where specified.
- ▶ Check that the correct mounting devices are used and that they are undistorted, clean and free from burrs.
- ▶ Use mounting blotters where supplied.
- ▶ Do not tighten the mounting device excessively.
- ▶ After mounting or re-mounting an abrasive product, conduct a trial run at operating speed with the guard in place for at least 30 seconds, standing clear of the machine before use.
- ▶ Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted.
- ▶ Ensure that the workpiece is secure and properly supported. Ensure that work rests are properly adjusted and secure.
- ▶ Never start the machine with the workpiece in contact with the abrasive product.
- ▶ Never apply excessive force or shock to the abrasive product or let it overheat.
- ▶ Do not grind on the part of the product that is not designed for the operation.
- ▶ Avoid grinding with the edge of abrasive belts, use the centre of the belt if possible.
- ▶ Avoid clogging and uneven wear to ensure that the abrasive product is working efficiently. Dress frequently where appropriate.
- ▶ Let the abrasive product stop naturally, not by applying pressure to its surface.
- ▶ Turn off and spin out excess coolant before stopping the machine.
- ▶ Do not leave abrasive belts under tension when not in use.



Not permitted for handheld or manually-guided grinding



Do not use for wet grinding



Not permitted for face grinding



Do not use if damaged



Only permitted with a backing pad



Use ear protectors



Observe safety instructions



Wear safety gloves to protect hands



Wear safety goggles or glasses to protect the eyes



Wear a dust mask



Only permitted for wet cutting



Only permitted for use on totally enclosed machines

Grinding debris – sparks, dust and fumes

- ▶ Exposure to dust generated from workpiece and/or abrasive materials can result in lung damage and/or other physical injury.
- ▶ All dry grinding processes should be provided with adequate extraction facilities.
- ▶ Do not use abrasive products near flammable materials.
- ▶ The use of respirators complying with EN149 is recommended for dry grinding processes even if extraction systems are provided.
- ▶ Guards where provided should be adjusted to deflect sparks and debris away from the operator.
- ▶ Take additional measures to protect people working nearby.
- ▶ Eye protection is recommended for all machine applications for abrasives. For handheld machines or workpiece, goggles or full face shields are recommended.
- ▶ Eye protection with a minimum protection of EN166 Grade B is recommended.
- ▶ Ensure that the correct abrasive product is selected. An unsuitable product can produce excessive debris and dust.

Noise

- ▶ Ear protection complying with EN352 is recommended for all applications where the workpiece or machine is handheld, irrespective of the noise level.
- ▶ Ensure that the correct abrasive product is selected. An unsuitable product can produce excessive noise.

Vibration

- ▶ Processes where the workpiece or machine is handheld can cause vibration injury.
- ▶ Action needs to be taken if tingling, pins and needles or numbness is experienced after 10 minutes continuous use of the abrasive product.
- ▶ The effects of vibration are more pronounced in cold conditions so keep the hands warm and exercise hands and fingers regularly. Use modern equipment with low vibration levels.
- ▶ Maintain all equipment in good condition and stop the machine and have it checked if excessive vibration occurs.
- ▶ Use good quality abrasive products and keep them in good condition during their life.
- ▶ Maintain mounting flanges and backing pads in good condition and replace if worn or distorted.
- ▶ Do not grip the workpiece or machine too tightly and do not exert excessive pressure on the abrasive product.
- ▶ Avoid continuous use of the abrasive product.
- ▶ Use the correct product. An unsuitable product can produce excessive vibration.
- ▶ Don't ignore the physical symptoms of vibration – seek medical advice.

Disposal of abrasives

- ▶ Used or defective abrasives should be disposed in accordance with local or national regulations.
- ▶ Further information can be obtained from material safety data sheets provided by the supplier.
- ▶ Be aware that the abrasive product may be contaminated with material from the workpiece or process after use.
- ▶ Disposed abrasive products should be damaged to prevent them from being taken from waste skips and re-used.

SAFETY RECOMMENDATIONS FOR THE USE OF ABRASIVE BELTS

1. General safety recommendations

- ▶ Ensure that quality and dimensions of the belt are correct for the machine and type of application. Refer to the machine manufacturer's instructions.
- ▶ Do not use near easily flammable material.
- ▶ Prevent long hair, loose clothes or jewellery from getting into contact with the machine and being pulled in. Take precautionary measures.
- ▶ Ensure that people nearby are protected from chips, sparks, debris, fumes, dust and noise. Belt grinding operations may produce high concentrations of dust, gas or mist, which can represent a health hazard as well as a risk of explosion.
- ▶ Do not open the guard or put down the machine until the belt has come to a complete standstill.

2. Specific safety recommendations

- ▶ Abrasive belts can tear. Please take precautions against risks by tearing of belt (e.g. protective clothing and devices, safety equipment of machinery).
- ▶ Abrasive machines, which do not have a completely closed guard require comprehensive protective equipment of the user (e.g. protective gloves, leather aprons, face shield, dust mask).
- ▶ Check the locking mechanism of the machine cover. Do not remove guards. Any contact with running belts can result in serious injuries.
- ▶ When mounting, refer to direction of running advice, if necessary.
- ▶ Make sure the workpiece is held correctly or is mechanically secured.
- ▶ Start the machine and wait until belt has reached its full operational speed before grinding.
- ▶ Belts should only be used dry unless specified as suitable for wet grinding (please contact the manufacturer if in any doubt).
- ▶ Use the centre of the belt, if possible, and grind as flat as possible. Avoid grinding with the edge of the belt as well as strong punctual loading e.g. through sharp or sharp-edged workpieces.
- ▶ Do not exert excessive pressure and prevent the belt from overheating.
- ▶ Check the belts in use periodically for wear and tear or damage (e.g. cracks at edges, fracturing or strong wear and tear in the joint) and replace the belts if necessary.

Due to the extraordinary variety of applications and machine constructions, these recommendations are limited to basic aspects of safety. Further safety regulations and instructions can be taken from the respective legislation, decrees and technical standards.



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