

Good. Safe. Yellow.

Catalogue 2015
Valid from February 2015





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All articles included in this catalogue with Cat. Number are stock items that are held in stock in Haiger and can be delivered within a short time.					

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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 clear and logical layout in ten product groups makes it easy for you to 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 sanding and grinding requirements for a wide range of materials and applications.



Fibre discs

Klingspor fibre discs are exceptionally suited for rough grinding work, derusting metal parts, 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



General
Information



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. The relevant grit ranges and assortments in customised packing units. Uniform packing design, precise product identification for quick access.



Flexible abrasives

Our comprehensive product programme is rounded off by 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.

General Information

Product overview



Hand sanding



Hand block



Orbital sander



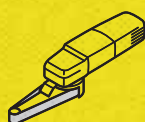
Random orbital sander



Delta sander



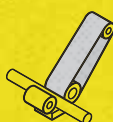
Portable belt sander



Hand tool belt grinder



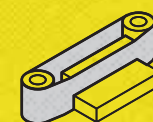
Back stand grinding machine



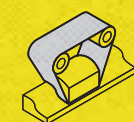
Centreless finishing machine



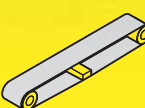
Through-feed grinding machine



Edge sanding machine



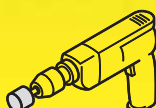
Contour finishing machine



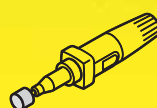
Pad / stroke sanding machine



Wide belt finishing machine



Drilling machine



Die grinder



Satin finishing machine



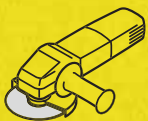
Floor-standing grinder

General Information

Product overview



General
Information



Angle grinder



Angle grinder with
abrasive mop disc



Angle grinder with
cup grinding wheel



Petrol powered
cutter



Stationary cutting
machine



Chop saw



Wall chaser



Joint cutter



Lifting beam with
mottling points



Right angle
die grinder



Flexible shaft
grinder



Petrol powered
cutter with
clamping device



Concave fillet weld
grinder

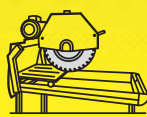


Table saw



Joint router



Stationary cutting
machine



Parquet Sander

Coated abrasives

Cloth	Paper
X Cloth, heavy	A approx. 95 g/m ²
J Cloth, light	B approx. 105 g/m ²
XF Cloth, heavy, flexible	C approx. 110 g/m ²
JF Cloth, light, highly flexible	D approx. 130 g/m ²
Y Polyester cloth	E approx. 250 g/m ²
Z Polyester cloth, heavy, can be divided into segments	F approx. 300 g/m ²
	G approx. 400 g/m ²

Product guide

Coated abrasives



General
Information

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Type	Coating	Bonding agent	Waterproof	Available grits	Rolls	File belts	Belts for handheld grinders	Short and long belts	Abrasive sleeves	Wide belts	Fibre discs	Strips/Sheets	Discs
PS 8 A	●	K	✓	180–2500	-	-	-	-	-	-	-	110	-
PS 8 C	●	K	✓	60–150, 220, 280, 320	-	-	-	-	-	-	-	111	-
PS 11 A	●	K	✓	220–2000	-	-	-	-	-	-	-	111	-
PS 11 C	●	K	✓	60–400, 600, 1000	-	-	-	-	-	-	-	112	128
PS 20 F	●	K		60–240, 320, 400	-	-	-	47	-	76	-	-	-
PS 21 F	●	K		40, 60–320, 400	-	-	-	47	-	76	-	-	-
PS 22 F ACT	●	K		40–400	20	-	-	47	-	77	-	113	128
PS 22 N	○	K		24, 40, 60–240, 320, 400	21	-	-	-	-	-	-	-	-
PS 24 F ACT	●	K		80, 120–800	-	-	-	48	-	77	-	-	-
PS 26 F	○	K		80–220	-	-	-	48	-	78	-	-	-
PS 27 DW	○	K		180–600	-	-	-	48	-	78	-	-	-
PS 28 F	○	K		40–220	-	-	-	49	-	79	-	-	-
PS 29 F ACT	○	K		40–320, 400	24	-	-	49	-	80	-	-	-
PS 30 D	○	K		40, 60–240, 320	21	-	-	-	-	-	-	113	-
PL 31 B	○	L		40–320, 400	22	-	-	-	-	-	-	114	-
PS 33 B	○	K		150–320, 400–600	23	-	-	-	-	-	-	115	-
PS 33 C	○	K		40, 60–120	23	-	-	-	-	-	-	115	-
PS 38 G ACT	●	K		80–180	-	-	-	-	-	81	-	-	-
PS 61 F	●	K		60, 80, 120–280	-	-	-	50	-	81	-	-	-
PS 73 BW	○	K		150–1500	-	-	-	-	-	-	-	116	-
PS 73 W Soft	○	K		40, 60–1000	25	-	-	-	-	-	-	-	-
Self fastening	PS 19 EK	●	K	24, 36, 40, 60–120, 220, 320, 400, 600	-	-	-	-	-	-	-	-	129
	PS 21 FK	●	K	40, 60–180, 240, 320, 400	-	-	-	-	-	-	-	-	129
	PS 22 K	○	K	24, 40, 60–240, 320, 400	-	-	-	-	-	-	-	120	130
	PS 33 BK	○	K	150–320, 400–600	-	-	-	-	-	-	-	121	133
	PS 33 CK	○	K	40, 60–120	-	-	-	-	-	-	-	121	133
	PS 61 FK	●	K	60, 80, 120–180, 240, 280	-	-	-	-	-	-	-	-	135
	FP 73 WK	○	K	80–180, 240, 320, 400–1500	-	-	-	-	-	-	-	-	136
	PS 73 BWK	○	K	150–1500	-	-	-	-	-	-	-	-	137
	PS 73 CWK	○	K	40, 60–120	-	-	-	-	-	-	-	-	137
Abrasive cloth	CS 308 Y	●	K	40, 60–180, 240	-	-	-	51	-	82	-	-	-
	LS 309 J	●	K	60–500	-	-	-	53	-	-	-	-	-
	LS 309 JF	●	K	60–400, 600	26	-	-	53	-	-	-	-	-
	LS 309 X	●	K	40–360	26	-	-	51	-	-	-	-	-
	LS 309 XH	●	K	40–180, 240	-	-	45	-	-	-	-	-	-
	CS 310 X	●	K	16–24, 36–320, 400–600	-	-	-	54	69	82	-	-	-
	CS 310 XF	●	K	40–280	-	42	-	-	-	-	-	-	-
	CS 311 Y ACT	○	K	36–220	-	-	-	55	-	83	-	-	-
	LS 312 JF	●	K	60–320, 400	-	-	-	55	-	-	-	-	-
	LS 313 JF	●	K	80–240, 320	-	-	-	56	-	-	-	-	-
	LS 318 JF ACT	○	K	60–180, 240, 320, 400	-	-	-	56	-	-	-	-	-
	CS 320 Y	●	K	✓ 24, 40, 60–120, 180	-	-	-	56	-	83	-	-	-
	CS 321 X	●	K	✓ 80–320, 400, 500, 800	-	-	-	57	-	84	-	-	-
	CS 322 X	●	K	✓ Polishing fineness	-	-	-	57	-	-	-	-	-

● = close ○ = semi-open ○ = open

Bonding agent

K Resin

L Glue

Product guide

Coated abrasives

	Type	Properties	Backing	Grain type
Abrasive cloth	CS 325 Y	KULEX, waterproof	Y-polyester	SiC agglomerate
	CS 326 Y	KULEX, waterproof	Y-polyester	Aluminium oxide-agglomerate
	CS 329 JF	KULEX	JF-cotton	Aluminium oxide-agglomerate
	CS 329 Y	KULEX	Y-polyester	Aluminium oxide-agglomerate
	CS 330 X	waterproof	X-cotton	SiC / Cork
	CS 333 JF		JF-Gewebe	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
	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
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 966 ACT	multibond	Fibre	Ceramic aluminium oxide
Non-woven web	NRO 400		Non-woven web	Aluminium oxide/SiC
	NPA 400		Non-woven web	Aluminium oxide/SiC
	SV 484		Non-woven web with polyester lining	Aluminium oxide
	NDS 800		Non-woven web with polyester lining	Aluminium oxide
	NBF 800	waterproof	Non-woven web with polyester lining	Aluminium oxide
	NBS 800	waterproof	Non-woven web with polyester lining	Aluminium oxide
	NBS 850	waterproof	Non-woven web with polyester lining	Aluminium oxide
	SK 500	Abrasive hand block, flexible	Sponge	Aluminium oxide
	SW 501	Abrasive sponge	Sponge	Aluminium oxide
	SW 502	Abrasive sponge	Sponge	SiC

Cloth

X	Cloth, heavy
J	Cloth, light
XF	Cloth, heavy, flexible
JF	Cloth, light, highly flexible
Y	Polyester cloth
Z	Polyester cloth, heavy, 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	Abrasive sleeves	Wide belts	Fibre discs	Strips/Sheets	Discs	
CS 325 Y		K	✓	80, 120, 180, 240, 320, 400, 600, 800	-	-	-	57	-	-	-	-	-	
CS 326 Y		K	✓	80, 120, 180, 240, 320, 400, 600, 800	-	-	-	58	-	84	-	-	-	
CS 329 JF		K		120, 180	-	-	-	58	-	-	-	-	-	
CS 329 Y		K		80, 120, 180, 240, 320, 400, 600	-	-	-	58	-	85	-	-	-	
CS 330 X	●	K	✓	220, 280, 400, 600, 800	-	-	-	59	-	85	-	-	-	
CS 333 JF	●	K		80–180, 240–320	-	-	-	60	-	-	-	-	-	
CS 333 X	●	K		24, 36, 40, 60–150, 240	-	-	-	59	-	-	-	-	-	
CS 333 XF	●	K		60, 240, 280	-	-	-	59	-	-	-	-	-	
CS 336 Y	○	K		36, 40, 50	-	-	-	-	-	86	-	-	-	
CS 341 X	●	K	✓	60–320, 400, 500, 600	-	-	-	60	-	86	-	-	-	
KL 361 JF	●	K		30, 40–600	27	-	-	-	-	-	-	117	-	
KL 371 X	●	L		30–400	-	-	-	-	-	-	-	118	-	
KL 385 JF	●	K		40–320, 400, 600	30	-	-	-	-	-	-	119	-	
Abrasive cloth	CS 409 Y	●	K	36–120	-	-	-	60	-	87	-	-	-	
	CS 410 X	●	K	40, 60–180	-	-	-	61	-	-	-	-	-	
	CS 411 X	●	K	24, 36–80, 120	-	-	-	61	-	-	-	-	-	
	CS 411 Y	●	K	✓ 24, 36–120	-	43	-	62	-	87	-	-	-	
	CS 412 Y	●	K	✓ 24, 36–180, 240	-	-	-	63	-	88	-	-	-	
	CS 416 Y	○	K	✓ 24, 36–120	-	-	-	63	-	-	-	-	-	
	CS 420 Y		K	✓ 120, 180, 240, 320, 400	-	-	-	64	-	-	-	-	-	
	CS 451 X	●	K	60, 80, 120	-	-	-	-	70	-	-	-	-	
	GX 533 JF	●	K	80–180, 240–600	-	-	-	64	-	-	-	-	-	-
	CS 538 Z ACT	●	K	36–180	-	-	-	-	-	88	-	-	-	
	CS 631 XF	○	K	60–120	-	-	-	64	-	-	-	-	-	
	GX 712 JF	●	K	60–320, 400	-	-	-	65	-	-	-	-	-	
	CS 811 Y ACT	●	K	✓ 24, 36–80	-	-	-	65	-	-	-	-	-	
	CS 910 Y ACT	●	K	24, 36–80	-	-	-	66	-	-	-	-	-	
	CS 912 Y ACT	●	K	✓ 24, 36–180	-	-	-	67	-	89	-	-	-	
	CS 931 JF	○	K	80–120, 180, 240–320, 400	-	-	-	67	-	-	-	-	-	
GX 931 JF	○	K	60–120	-	-	-	68	-	-	-	-	-	-	
Fibre discs	CS 561	●	K	16, 240, 320	-	-	-	-	-	-	94	-	-	
	FS 764 ACT	●	K	24, 36, 40–80, 120	-	-	-	-	-	-	97	-	-	
	CS 565	●	K	24, 36–100	-	-	-	-	-	-	98	-	-	
	CS 570	●	K	24, 36–120	-	-	-	-	-	-	100	-	-	
	FS 966 ACT	●	K	24, 36–60, 80, 120	-	-	-	-	-	-	101	-	-	
Non-woven web	NRO 400		K	medium, fine, very fine, ultra fine	33	-	-	-	-	-	-	-	-	
	NPA 400		K	coarse, medium, very fine, ultra fine, without grain	-	-	-	-	-	-	-	123	-	
	SV 484		K	coarse, medium, very fine	-	-	-	-	-	-	-	-	141	
	NDS 800		K	coarse, medium, very fine	-	-	-	-	-	-	-	-	142	
	NBF 800		K	✓ coarse, medium, very fine	-	43	-	-	-	-	-	-	-	
	NBS 800		K	✓ coarse, medium, very fine	-	-	-	68	-	-	-	-	-	
	NBS 850		K	coarse, medium, fine, very fine	-	-	-	68	-	-	-	-	-	
SK 500	●			60, 80, 100, 120, 180, 220, 280	-	-	-	-	-	-	-	124	-	
SW 501	●			120, 220	-	-	-	-	-	-	-	124	-	
SW 502	●			120, 220	-	-	-	-	-	-	-	125	-	

● = close ○ = semi-open ○ = open

Bonding agent

K Resin

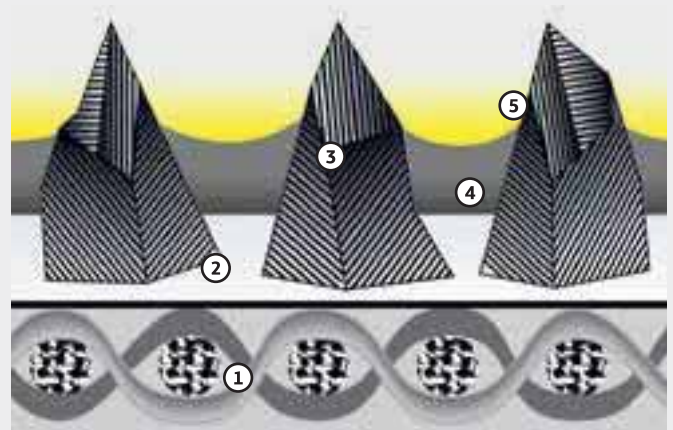
L Glue

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

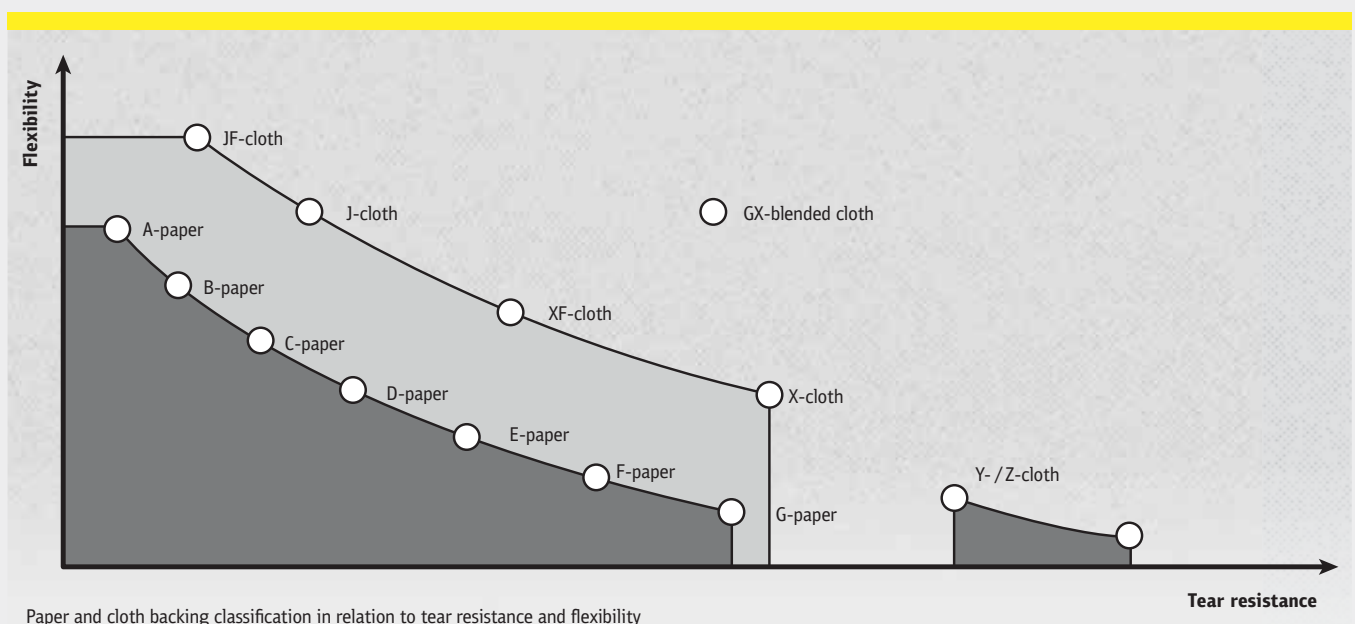
1. Coated abrasive backing

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 with abrasive disc FP 73 WK)
- ▶ GX-blended cloth (special cotton/polyester blend for flexible yet highly tear resistant belts)



Paper and cloth backing classification in relation to tear resistance and flexibility

Backing	Description	Application examples
A – paper	approx. 95 g/m ²	profile + surface grinding (hand)
B – paper	approx. 105 g/m ²	profile + surface grinding (hand)
C – paper	approx. 110 g/m ²	surface grinding (hand)
D – paper	approx. 130 g/m ²	surface grinding (hand and machine)
E – Papier	approx. 250 g/m ²	surface grinding (machine)
F – paper	approx. 300 g/m ²	surface grinding (machine)
G – paper	approx. 400 g/m ²	surface grinding (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	surfaces, edges, rotation bodies (machine)
Y – cloth	heavy, highly firm	surfaces, edges, rotation bodies (machine)
Z – cloth	heavy, highly firm, can be segmented	surface grinding (machine)

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.

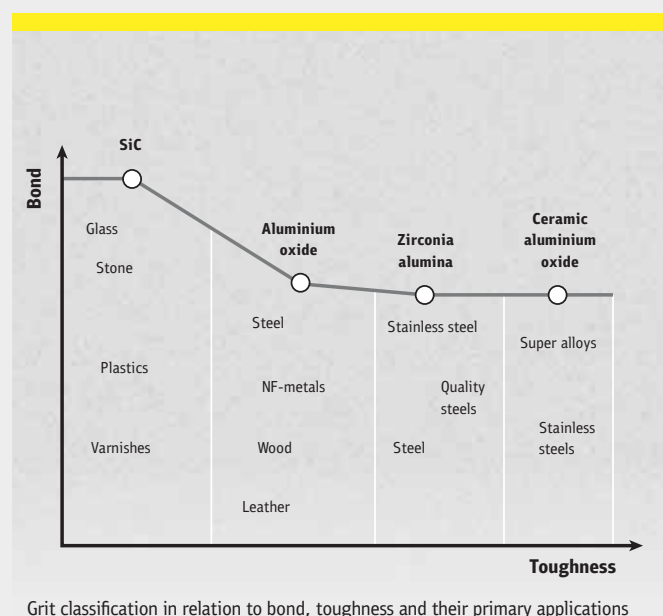
3. Grit

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

- Bond
- Toughness



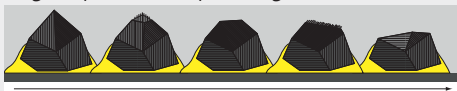
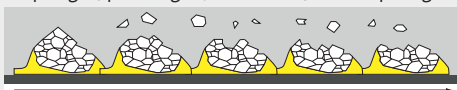
All Klingspor grit types are produced synthetically. This ensures a consistently high quality product. Four different grit types are used with coated abrasives:

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

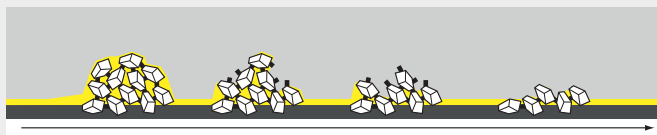


Coated abrasives

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, blockgrain, even wear 
Zirconia alumina	hard / very tough	crystalline, even	wedge-shaped, block, drop formed grit / 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	The backing surface is coated with approx. 75% grit volume
open coating	The backing surface is coated with approx. 50% grit volume

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 only used on 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:

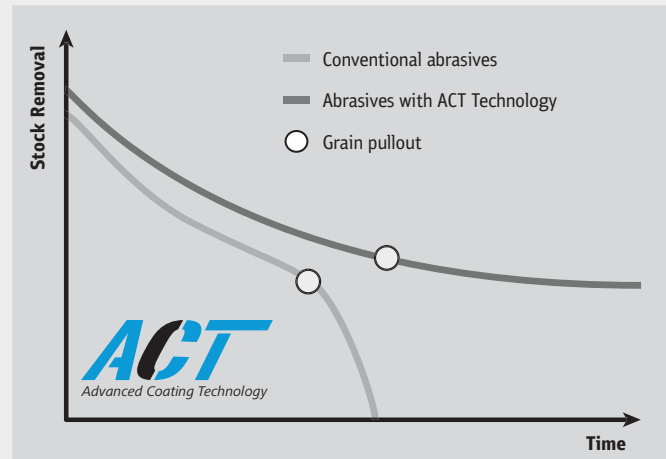
- close coating
- semi-open coating
- open coating

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 e.g. 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.

Coated abrasives

Applications guide



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 grinding, 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 anti-static 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.



Applications rolls with paper backing

Application	Type	Grain	Backing	Coating	Characteristics	Page
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. ACT and antistatic properties prevent premature clogging	20
	PS 22 N	Aluminium oxide	E-paper	○	Abrasive paper with semi-open coating for high stock removal capacity for the processing of wood	21
	PS 29 F ACT	Aluminium oxide	F-paper	○	Abrasive with outstanding service life. Open coat, antistatic properties as well as ACT prevent premature clogging. The abrasive paper is particularly suitable for processing soft and high resin woods	24
	PS 30 D	Aluminium oxide	D-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	21
	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	22
Paint	PS 30 D	Aluminium oxide	D-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	21
	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	22
	PS 33 B/C	Aluminium oxide	B-/C-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	23
	PS 73 W Soft	Aluminium oxide	B-/C-paper + foam core	○	Abrasive pads on rolls for de-nibbing and finishing of surfaces, moulded parts and contours. Foam backing for better pressure distribution and a very fine surface finish. The pads are supplied in a convenient dispenser that allows individual pads to be separated by tearing along the perforation.	25

Applications rolls with cloth backing

Application	Type	Grain	Backing	Coating	Characteristics	Page
Metals	LS 309 X	Aluminium oxide	X-cotton	●	Multi-purpose abrasive cloth for metal and wood processing, good price-performance ratio	26
	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	27
	KL 385 JF	Aluminium oxide	JF-cotton	●	Highly flexible universal abrasive cloth for the metal processing industry, good price-performance ratio	30
Wood	LS 309 X	Aluminium oxide	X-cotton	●	Multi-purpose abrasive cloth for metal and wood processing good price-performance ratio	26
	LS 309 JF	Aluminium oxide	JF-cotton	●	Highly flexible abrasive cloth for strongly profiled workpieces, for smooth surfaces in the metal and wood processing	26
	LS 309 JF slashed	Aluminium oxide	JF-cotton	●	Slashed, highly flexible abrasive cloth for strongly profiled work pieces, for smooth surfaces in wood processing, also suitable for light de-burring work on metals	27

Applications non-woven web rolls

Application	Type	Grain	Backing	Coating	Characteristics	Page
Metals	NRO 400	Aluminium oxide / SiC	Non-woven web	–	Perfectly suited for light de-burring, cleaning and surface refinement, also suited for stainless steel	33
Wood / Varnish	NRO 400	Aluminium oxide / SiC	Non-woven web	–	Excellently suited to smoothing, cleaning and surface finishing	33

● = close ○ = semi-open ○ = open

Minimum order quantities for made to order items

Type	Grit range	Paper	Width	Minimum order quantities	Width	Minimum order quantities
PS 22 F ACT	40–150	B approx. 105 g/m ²	10 mm	29 pieces	80 mm	3 pieces
PS 28 F	60–150	C approx. 110 g/m ²	15 mm	19 pieces	95 mm	3 pieces
PS 29 F ACT	60–150	D approx. 130 g/m ²	20 mm	14 pieces	100 mm	3 pieces
CS 308 Y	40–80, 120	E approx. 250 g/m ²	25 mm	12 pieces	120 mm	2 pieces
LS 309 X	40–360	F approx. 300 g/m ²	28 mm	10 pieces	125 mm	2 pieces
LS 309 J	60–320		30 mm	10 pieces	140 mm	2 pieces
LS 309 JF	60–400		35 mm	8 pieces	150 mm	2 pieces
CS 310 X	24–400		40 mm	7 pieces	250 mm	1 pieces
CS 310 XF	40–280		50 mm	6 pieces	300 mm	1 pieces
LS 312 JF	60–320, 400		60 mm	5 pieces		
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	Cloth, heavy
J	Cloth, light
JF	Cloth, light, highly flexible

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

Advantages: High abrasive performance - Homogeneous, 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
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
95 x 50000	60	1	20822
95 x 50000	80	1	20850
95 x 50000	100	1	20884
95 x 50000	120	1	20916
95 x 50000	150	1	20940
95 x 50000	180	1	20960
110 x 50000	40	1	2969
110 x 50000	60	1	2971
110 x 50000	80	1	2972
110 x 50000	100	1	2973
110 x 50000	120	1	2974
110 x 50000	150	1	2975
110 x 50000	180	1	2976
110 x 50000	240	1	2978
115 x 50000	40	1	2983
115 x 50000	60	1	2985
115 x 50000	80	1	2986
115 x 50000	100	1	2987
115 x 50000	120	1	2988
115 x 50000	150	1	2989
115 x 50000	180	1	2990
115 x 50000	220	1	2991
115 x 50000	240	1	2992
150 x 50000	80	1	3014
150 x 50000	100	1	3015
150 x 50000	120	1	3016
200 x 50000	40	1	3053
200 x 50000	60	1	3055
200 x 50000	80	1	3056
200 x 50000	120	1	3058

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with paper backing

Coated abrasives



Rolls

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 hand-held 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
115 x 50000	40	1	244611
115 x 50000	60	1	244612
115 x 50000	80	1	244613
115 x 50000	100	1	244614
115 x 50000	120	1	244615
115 x 50000	150	1	244616
115 x 50000	180	1	244599
115 x 50000	240	1	244597

Abrasive paper

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

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

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with paper backing

Coated abrasives

→ Continuation of PS 30 D, Abrasive paper

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

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 - Optimized wear properties for hand sanding and hand-held 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
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
95 x 50000	40	1	3279
95 x 50000	60	1	3281
95 x 50000	80	1	3282
95 x 50000	100	1	3191
95 x 50000	120	1	3192
95 x 50000	180	1	3194
95 x 50000	240	1	3196
110 x 50000	40	1	3287
110 x 50000	60	1	3289
110 x 50000	80	1	3290
110 x 50000	100	1	3213
110 x 50000	120	1	3214
110 x 50000	150	1	3215
110 x 50000	180	1	3216
110 x 50000	220	1	3217
110 x 50000	240	1	3218
110 x 50000	280	1	3219
110 x 50000	320	1	3220
110 x 50000	400	1	3222

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

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
115 x 50000	40	1	3291
115 x 50000	60	1	3293
115 x 50000	80	1	3294
115 x 50000	100	1	3224
115 x 50000	120	1	3225
115 x 50000	150	1	3226
115 x 50000	180	1	3227
115 x 50000	220	1	3228
115 x 50000	240	1	3229
115 x 50000	280	1	3230
115 x 50000	320	1	3231
115 x 50000	400	1	3233

Abrasive paper

PS 33 B/PS 33 C



Properties

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

Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

Advantages: Very high removal rate - Minimal clogging due to active abrasive substances - 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
110 x 50000	60	1	146981
110 x 50000	80	1	146982
110 x 50000	100	1	146983
110 x 50000	120	1	146386
110 x 50000	150	1	148494
110 x 50000	180	1	147935
110 x 50000	220	1	148495
110 x 50000	240	1	147114
110 x 50000	280	1	148496
110 x 50000	320	1	147110
110 x 50000	400	1	146387
115 x 50000	60	1	155815
115 x 50000	80	1	147575
115 x 50000	100	1	147576
115 x 50000	120	1	153398
115 x 50000	150	1	153177
115 x 50000	180	1	149480
115 x 50000	220	1	149698

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with paper backing

Coated abrasives

→ Continuation of PS 33 B/PS 33 C, Abrasive paper

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	240	1	147055
115 x 50000	280	1	165031
115 x 50000	320	1	148891
115 x 50000	400	1	145520

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with paper backing

Coated abrasives



Rolls

Abrasive paper

PS 73 W Soft



NEW



Properties

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

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

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
115 x 25000	120	1	321755
115 x 25000	180	1	321756
115 x 25000	240	1	321757
115 x 25000	320	1	321758
115 x 25000	400	1	321760

Minimum order quantity for manufactured items on request
Grits 40 - 100 roll length 20 m; Grits 120 - 1000 roll length 25 m

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with cloth backing

Coated abrasives

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 wood-working - 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with cloth backing

Coated abrasives



Rolls

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
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All sizes and minimum purchasing quantities available on request

Abrasive cloth, brown

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: High-quality universal abrasive cloth - Optimal adaptation to workpiece contours - Tears off cleanly and easily from the roll

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
25 x 50000	40	1	3769
25 x 50000	60	1	3771
25 x 50000	80	1	3772
25 x 50000	100	1	3773
25 x 50000	120	1	3774
25 x 50000	150	1	3775
25 x 50000	180	1	3776
25 x 50000	220	1	3777
25 x 50000	240	1	3778
25 x 50000	320	1	3780
25 x 50000	400	1	3782
25 x 50000	600	1	64825
30 x 50000	40	1	3785

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with cloth backing

Coated abrasives

→ Continuation of KL 361 JF, Abrasive cloth, brown

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
30 x 50000	60	1	3787
30 x 50000	80	1	91286
30 x 50000	100	1	3789
30 x 50000	120	1	3790
30 x 50000	150	1	3791
30 x 50000	180	1	3792
30 x 50000	240	1	3794
30 x 50000	320	1	3796
30 x 50000	400	1	3798
40 x 25000	40	1	4201
40 x 25000	50	1	4202
40 x 25000	60	1	4203
40 x 25000	80	1	4204
40 x 25000	100	1	4205
40 x 25000	120	1	4206
40 x 25000	150	1	4207
40 x 25000	180	1	4208
40 x 25000	220	1	4209
40 x 25000	240	1	4210
40 x 25000	320	1	4212
40 x 25000	400	1	4214
40 x 50000	40	1	3833
40 x 50000	60	1	3835
40 x 50000	80	1	3836
40 x 50000	100	1	3837
40 x 50000	120	1	3838
40 x 50000	150	1	3839
40 x 50000	180	1	3840
40 x 50000	220	1	3841
40 x 50000	240	1	3842
40 x 50000	280	1	3843
40 x 50000	320	1	3844
40 x 50000	360	1	3845
40 x 50000	400	1	3846
40 x 50000	600	1	64830
50 x 25000	40	1	4217
50 x 25000	60	1	4219
50 x 25000	80	1	4220
50 x 25000	100	1	4221
50 x 25000	120	1	4222
50 x 25000	150	1	4223
50 x 25000	180	1	4224
50 x 25000	220	1	4225
50 x 25000	240	1	4226
50 x 25000	320	1	4228
50 x 25000	400	1	4230
50 x 25000	600	1	64831
50 x 50000	40	1	3849
50 x 50000	50	1	3850
50 x 50000	60	1	3851
50 x 50000	80	1	3852

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with cloth backing

Coated abrasives



→ Continuation of KL 361 JF, Abrasive cloth, brown

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
50 x 50000	100	1	3853
50 x 50000	120	1	3854
50 x 50000	150	1	3855
50 x 50000	180	1	3856
50 x 50000	220	1	3857
50 x 50000	240	1	3858
50 x 50000	280	1	3859
50 x 50000	320	1	3860
50 x 50000	360	1	3861
50 x 50000	400	1	3862
50 x 50000	500	1	3863
50 x 50000	600	1	64832

Abrasive cloth, brown

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: High-quality universal abrasive cloth - Optimal adaptation to workpiece contours - Tears off cleanly and easily from the roll

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
80 x 50000	80	1	3900
80 x 50000	120	1	3902
80 x 50000	150	1	3903
100 x 50000	40	1	3913
100 x 50000	50	1	3914
100 x 50000	60	1	3915
100 x 50000	80	1	3916
100 x 50000	100	1	3917
100 x 50000	120	1	3918
100 x 50000	150	1	3919
100 x 50000	180	1	3920
100 x 50000	220	1	3921
100 x 50000	240	1	3922
100 x 50000	320	1	3924
100 x 50000	400	1	3926
100 x 50000	600	1	64835
110 x 50000	40	1	3929
110 x 50000	60	1	3931

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with cloth backing

Coated abrasives

→ Continuation of KL 361 JF, Abrasive cloth, brown

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
110 x 50000	80	1	3932
110 x 50000	100	1	3933
110 x 50000	120	1	3934
110 x 50000	180	1	3936
110 x 50000	240	1	3938
115 x 50000	40	1	3945
115 x 50000	60	1	3947
115 x 50000	80	1	3948
115 x 50000	100	1	3949
115 x 50000	120	1	3950
115 x 50000	150	1	3951
115 x 50000	180	1	3952
115 x 50000	240	1	3954
115 x 50000	320	1	3956
120 x 50000	60	1	3963
120 x 50000	80	1	3964
120 x 50000	100	1	3965
120 x 50000	120	1	3966
120 x 50000	180	1	3968
150 x 50000	40	1	3977
150 x 50000	60	1	3979
150 x 50000	80	1	3980
150 x 50000	100	1	3981
150 x 50000	120	1	3982
150 x 50000	150	1	3983

Abrasive cloth, brown

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 for profile grinding - Optimal adaptation to workpiece contours - Tears off cleanly and easily from the roll

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
115 x 5000	60	1	278789
115 x 5000	80	1	278790
115 x 5000	120	1	278791
115 x 5000	320	1	278792

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with cloth backing

Coated abrasives



Abrasive cloth, brown

KL 385 JF



Properties

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

Applications:

Metals	●
NF metals	●
Stainless steel	○
Plastic	○

Wood ○

Advantages: Attractively priced universal product for profile grinding - Optimal adaptation to workpiece contours - Tears off cleanly and easily from the roll

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
25 x 50000	60	1	218196
25 x 50000	80	1	218197
25 x 50000	100	1	218198
25 x 50000	120	1	218199
40 x 50000	40	1	218077
40 x 50000	60	1	218079
40 x 50000	80	1	218080
40 x 50000	100	1	218081
40 x 50000	120	1	218082
40 x 50000	150	1	218083
40 x 50000	180	1	218084
40 x 50000	220	1	218085
40 x 50000	240	1	218086
40 x 50000	320	1	218088
40 x 50000	400	1	218090
50 x 50000	40	1	218094
50 x 50000	60	1	218096
50 x 50000	80	1	218097
50 x 50000	100	1	218098
50 x 50000	120	1	218099
50 x 50000	150	1	218100
50 x 50000	180	1	218101
50 x 50000	220	1	218102
50 x 50000	240	1	218103
50 x 50000	320	1	218105
50 x 50000	400	1	218107

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls with cloth backing

Coated abrasives

Abrasive cloth, brown

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 for profile grinding - Optimal adaptation to workpiece contours - Tears off cleanly and easily from the roll

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
115 x 50000	40	1	224650
115 x 50000	60	1	228151
115 x 50000	80	1	228363
115 x 50000	100	1	228364
115 x 50000	120	1	228365
115 x 50000	150	1	228370
115 x 50000	180	1	228366
115 x 50000	240	1	228367
115 x 50000	320	1	228368
115 x 50000	400	1	228369

Graphite-coated canvas

CS 395 X



NEW



Properties

Grain	Graphite
Coating	lamellar
Backing	X-cloth

Advantages: Reduces friction between the back side of the belt and the contact element and thereby the heat generation during the grinding process - Enables a smooth and constant grinding

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 19. Please see Applications Guide on page 19.

Rolls, non-woven web

Coated abrasives



Rolls

Non-woven web roll

NRO 400



Properties

Bonding agent Resin

Applications

Al. oxide:

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

Applications








SiC:

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



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

Width x Length in mm	Grade	Grain	Colour	Packing unit/pcs.	Cat. number
100 x 10000	medium	Al. oxide	maroon	1	258870
100 x 10000	very fine	Al. oxide	green	1	258871
100 x 10000	fine	Al. oxide	maroon	1	258872
100 x 10000	very fine	Al. oxide	maroon	1	258873
115 x 10000	medium	Al. oxide	maroon	1	258885
115 x 10000	fine	Al. oxide	maroon	1	258887
115 x 10000	very fine	Al. oxide	green	1	258886
115 x 10000	very fine	Al. oxide	maroon	1	258888
150 x 10000	medium	Al. oxide	maroon	1	258890
150 x 10000	fine	Al. oxide	maroon	1	258892
150 x 10000	very fine	Al. oxide	green	1	258891
150 x 10000	very fine	Al. oxide	maroon	1	258893
100 x 10000	medium	SiC	black	1	260365
100 x 10000	ultra fine	SiC	grey	1	258874
115 x 10000	medium	SiC	black	1	260366
115 x 10000	ultra fine	SiC	grey	1	258889
150 x 10000	medium	SiC	black	1	260367
150 x 10000	ultra fine	SiC	grey	1	258894

Grit		120	180	320		800 – 1000
Grade		medium	fine		very fine	ultra fine
Klingspor non-woven web rolls	Aggressiveness decreasing 	 medium A – maroon				
		 medium C – black				
			 fein A – maroon			
				 general purpose A – green		
					 very fine A – maroon	
						 ultra fine C – grey

Other grades and sizes available on request.

Please observe: Please see Applications Guide on page 19.



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
- Paper and cloth backed
- All products with high tensile strength and optimum stretching resistance

Applications abrasive belts with paper backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel / Stainless Steel	PS 20 F	Al. oxide	F-paper	●	Close coating and heavy, tear resistant backing for high stock removal rate and a long service life for metalworking	47, 76
	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	47, 76
Stainless Steel	PS 61 F	Ceramic al. oxide	F-paper	●	Close coating, tear resistant backing and continuously self-sharpening cermic 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	50, 81
Wood	PS 22 F ACT	Al. oxide	F-paper	●	Close coating for maximum stock removal and uniform scratch pattern regarding surface treatment of hard, low content woods. ACT and antistatic properties prevent premature clogging	47, 77
	PS 26 F	Al. oxide	F-paper	○	Open coating and a surface with high electric conductivity through an antistatic additive prevent the electrostatic charge and premature clogging of the belt, for maximum efficiency and long service life, for all kinds of wood, particularly soft and high resin woods, e.g. spruce, pine, etc.	48, 78
	PS 28 F	Al. oxide	F-paper	○	Open coating and antistatic properties prevent premature clogging of the belt with grinding dust, sturdy, tear resistant backing, for all kinds of wood, particularly soft and high resin woods, e.g. spruce, pine	49, 79
	PS 29 F ACT	Al. oxide	F-paper	○	Abrasive belt with outstanding service life. Open coating, antistatic properties as well as ACT prevent premature clogging. The abrasive paper is particularly suitable for processing soft and high resin woods	49, 80
	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	81
Paint, varnish, filler	PS 24 F ACT	SiC	F-paper	●	Close coating, a stable backing with hard silicium grit for painted and coated surfaces in the timber and especially the furniture industry	48, 77
	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	48, 78

Applications abrasive belts with cloth backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel	LS 309 J	Al. oxide	J-cotton	●	Flexible abrasive cloth for processing slightly profiled workpieces, high stock removal rate, particularly suited for metal	53
	LS 309 JF	Al. oxide	JF-cotton	●	Highly flexible abrasive cloth for highly profiled workpieces for the manufacture of fine surfaces in metal and wood working	53
	LS 309 X	Al. oxide	X-cotton	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	51
	LS 309 XH	Al. oxide	X-cotton	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	45
	CS 310 X	Al. oxide	X-cotton	●	Abrasive cloth for metal and wood working with stable cloth backing, for heavy duty with particularly long service life	54, 82
	CS 410 X	Al. oxide	X-cotton	●	Abrasive cloth with tear resistant backing for heavy-duty, multibond for long service life, especially suited for stainless steel processing	61
	CS 341 X	Al. oxide	X-cotton waterproof	●	Waterproof abrasive cloth for wet grinding on steel and stainless steel, particularly suited for centerless and surface grinding	60, 86
	CS 308 Y	Al. oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	51, 82
Steel / Stainless steel	CS 412 Y	Al. oxide	Y-polyester	●	Sturdy and highly tear resistant polyester backing for coarse and intermediate grinding on metal	63, 88
	CS 310 XF	Al. oxide	XF-cotton	●	Flexible abrasive cloth for profiled metal formed parts, standard quality for use with hand tool belt grinders	42

● = close ● = semi-open ○ = open

Continuation →

Abrasive belts

Applications guide

Applications abrasive belts with cloth backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel / Stainless steel	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	61
	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	43, 62, 87
	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	63
	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	59, 85
	CS 811 Y ACT	Zirconia alumina	Y-polyester	●	Excellent grain adhesion, stable, highly tear-resistant polyester backing for particularly high duty during rough grinding and deburring of steel and stainless steel. High quality zirconia alumina for highest aggressiveness over the complete service life	65
Stainless steel	LS 312 JF	Al. oxide	JF-cotton	●	Highly flexible, specially coated high quality product for stainless steel shaped parts e.g. fittings, mountings and surgical instruments	55
	LS 313 JF	Al. oxide	JF-cotton	●	Highly flexible high quality product for stainless steel shaped parts, additional multibond for cool grinding and long service life	56
	CS 931 JF	Ceramic al. 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.	66
	GX 931 JF	Ceramic al. 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.	67
	GX 712 JF	Al. 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	65
	CS 329 JF	Al. oxide agglomerate	JF-cotton		Long life belt with particular long service life and constant scratch pattern. Special product for the dry grinding of slightly and strongly profiled parts in the stainless steel processing industry	58
	CS 631 XF	Ceramic al. 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	64
	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	61
	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	62, 87
	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	63
	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	60, 87
	CS 912 Y ACT	Ceramic al. 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	66, 89
	CS 910 Y ACT	Ceramic al. 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	65
	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	59, 85
	CS 326 Y	Al. oxide agglomerate	Y-polyester		Long life belt for wet grinding with extremely long service and uniform scratch pattern for centerless circular and surface grinding	58, 84
	CS 329 Y	Al. oxide agglomerate	Y-polyester		Long life belt with very long service life and constant surface finish for centerless circular and surface grinding. Aggressive grinding behaviour with low tool pressure	58, 85
	CS 420 Y	Al. oxide agglomerate	Y-polyester		Special product with knob structure for the centerless finishing of stainless steel. Very long service life and uniform scratch pattern	64
	CS 325 Y	SiC agglomerate	Y-polyester		Long life belt with particular long service life and constant surface finish for centerless finishing	57
	CS 811 Y ACT	Zirconia alumina	Y-polyester	●	Excellent grain adhesion, stable, highly tear resistant polyester backing for particularly high duty during rough grinding and deburring of steel and stainless steel. High quality zirconia alumina for highest aggressiveness over the complete service life	65
NF metals	CS 333 JF	SiC	JF-cotton	●	Highly flexible abrasive belt for metal shaped parts, particularly suited for NF metals	60
	CS 333 XF	SiC	XF-cotton	●	Flexible abrasive belt for metal shaped parts, particularly for NF metals	59
	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	64
	GX 712 JF	Al. 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	65

● = close ⦿ = semi-open ○ = open

Continuation →

Applications abrasive belts with cloth backing

Application	Type	Grain	Backing	Coating	Characteristics	Page
Wood	LS 309 X	Al. oxide	X-cloth	●	Universal abrasive cloth for metal and wood working, good price-performance ratio	51
	LS 309 XH	Al. oxide	X-cloth	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	69
	CS 311 Y ACT	Al. oxide	Y-polyester	○	Aluminium oxide quality with an open coating on tear resistant polyester backing for calibration and intermediate grinding when working with wood	55, 83
	CS 308 Y	Al. oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	51, 82
	LS 318 JF ACT	Al. oxide	JF-cloth	○	Highly flexible J-Flex backing for intermediate sanding and finishing of highly profiled and curved wooden parts. ACT and antistatic properties prevent premature clogging	56
	CS 538 Z ACT	SiC	Z-polyester (can be segmented)	●	Special product for the timber products industry. A close coating and anti-static technology ensure an optimal service life. The sharp silicon carbide easily penetrates high density material surfaces	88
Plastic	CS 336 Y	SiC	Y-polyester	●	Special product for calibrating and grinding of chipboard.	86
	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	64
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)	59
	CS 320 Y	SiC	Y-polyester	●	Highly tear resistant special belt for high demands for wet and dry grinding of glass, ceramic and plastic	56, 83
Glass	CS 321 X	SiC	X-cloth	●	Special belt for wet and dry grinding of glass, ceramic and plastic	57, 84
	CS 322 X	(Cork)	X-cloth waterproof		Special belt for polishing glass	57

Applications non-woven web belts

Application	Type	Grain	Backing	Coating	Characteristics	Page
Stainless steel	NBF 800	Al. oxide	Non-woven web + polyester lining		Special product for working metal and stainless steel surfaces with a tool belt grinder. Very high service life, no premature clogging, high edge stability, tear resistant belt joint	43
	NBS 800	Al. oxide	Non-woven web + polyester lining		Structure as for NBF 800, though for handheld machines with larger pulleys and stationary belt sanders	68
	NBS 850	Al. oxide	Non-woven web + polyester lining		Special product for working metal and stainless steel surfaces. Soft, flexible design particularly suited for working on profiled surfaces	68

● = close ● = semi-open ○ = open

Minimum order quantities for made to order items

Width	Minimum order quantities
350 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

Minimum order quantities NBF 800 / NBS 800

Width	Minimum order quantities
3–6 mm	40 pieces
7–13 mm	20 pieces
14–30 mm	10 pieces
31–75 mm	5 pieces
≥ 76 mm	2 pieces

On principle, master belts are cut up in 300 mm so that additional quantities, delivery of which has be taken, or short shipments can occur.

Short and long belts

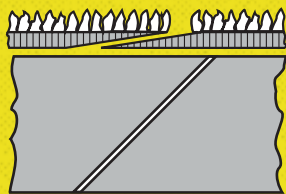
Applications guide

Belt joints for long and short belts

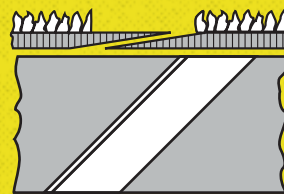
Klingspor supplies belts with various types of joints. The type of joint you require depends on the work involved and the machine you are using. The following illustrations show the usual types of joint.

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

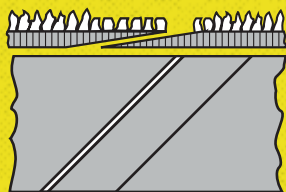
If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.



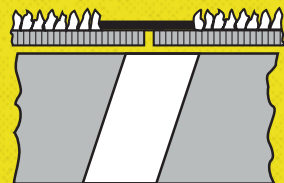
Type 1
Diagonal cut, glued overlapped.



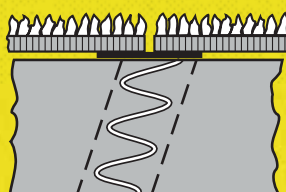
Type 5
Overlapping glued joint. Grit zone is completely ground off. Preferred joint for wood finishes with flat contact elements



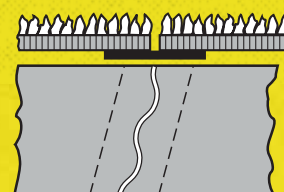
Type 2
Diagonal cut, glued overlapped. Grain tips are completely removed from the overlap to provide for a smoother running belt



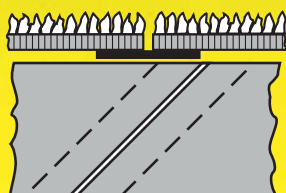
Type 6 G
Diagonal cut, butt joint with cloth-reinforced foil glued on grit side. Grit zone is completely ground off. Use on machines with planar contact elements.



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



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



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

Type 3 W/4 W
Special belt joint for non-woven web belts. Tape reinforced butt joint with additional frontal adhesion.

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
Johannsen	BTS 200	152	1219
	Unilev 150	150	2170
	KSM 801, KSO 150	150	2200
	KSO 81	150	2250
	KSO 1500	150	2280
Kündig	LBSM 2505	150	6400
	LBSM 2505 ESE	150	7000
	LBSM LS 2500	150	7100
	LBSM 3005 ESE	150	8000
	LBSM LS 3000	150	8100
Kühlmeier	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
Löser	T 98	150	8200
	Uniq, Basiq, Uniq S	150/200	2000
	ZBS 2, PBM 3	100	9000
	ZBS 3	100	11200
	PBM 4	100	11000
Löser	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
	BS 75/-A/-W	100	950
	HSF/HSDSF	100-200	500-5500
Löser	BS 200/-W	200	1500
	BS 300/-W	300	2000

Continuation →

Short and long belts

Applications guide

Portable sanding belt

		Abrasive belt size					
Manufacturer	Type	Width in mm	Length in mm	Manufacturer	Type	Dimensions 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	
	SP 380, RPS 376	150	3500		BBSE 100	100 × 620	
Löwer	KS 225	150	2250		Black & Decker	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
Löser	15003	3,6/13 × 305
	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
SKIL	B-7100	75 × 610
	B 422, BE 422, BE-1056	100 × 560
	B-7200 A, BE-422, B/BE 424	100 × 610
	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
Stayer	5903	75 × 508
	594 U, 595 U, 7640MA	75 × 533
	7650 AA, 7650 AE, 4640 MA	75 × 533
	1400	100 × 552
Suhner	7660 MA	100 × 610/620
	2 N 75	75 × 457
	LEN 751 E	75 × 533
	LEN 610	100 × 610
Suhner	LEN 690	100 × 690
	UBC 10-R	3/6/12/16/19 × 520
	UBK 6-R	35 × 450
	UTC 7-R	30 × 533
Suhner	UTG 9-R	30 × 610

File belts

Coated abrasives

Abrasive cloth

CS 310 XF



Properties

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

Applications:

Stainless steel	●
Metals	●
NF metals	●
Steel	●

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
6 x 610	40	F4G	25	4644
6 x 610	60	F4G	25	4645
6 x 610	80	F4G	25	4646
6 x 610	120	F4G	25	70595
9 x 533	40	F4G	25	286879
9 x 533	60	F4G	25	156968
9 x 533	80	F4G	25	286880
9 x 533	120	F4G	25	286881
10 x 330	40	F4G	25	86104
10 x 330	60	F4G	25	71110
10 x 330	80	F4G	25	71111
10 x 330	100	F4G	25	71112
10 x 330	120	F4G	25	71957
12 x 520	40	F4G	25	160139
12 x 520	60	F4G	25	160201
12 x 520	80	F4G	25	159040
12 x 520	120	F4G	25	160140
13 x 450	40	F4G	25	90914
13 x 450	60	F4G	25	75505
13 x 450	80	F4G	25	97081
13 x 450	120	F4G	25	105794
13 x 455	40	F4G	25	72895
13 x 455	60	F4G	25	73099
13 x 455	80	F4G	25	149565
13 x 455	100	F4G	25	73176
13 x 455	120	F4G	25	74086
13 x 610	40	F4G	25	4652
13 x 610	60	F4G	25	4653
13 x 610	80	F4G	25	4654
13 x 610	120	F4G	25	70591
13 x 610	240	F4G	25	99182
20 x 520	40	F4G	25	71959
20 x 520	60	F4G	25	71960
20 x 520	80	F4G	25	71961
20 x 520	120	F4G	25	71963
40 x 303	60	F4G	10	184719
40 x 303	80	F4G	10	188885

More file belts see belts

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37; Please see Applications Guide on page 35 - 41.

Abrasive cloth, waterproof

CS 411 Y

NEW



Properties

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

Applications:

Stainless steel	●
Steel	●
Metals	●

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
9 x 533	40	F4G	30	286886
9 x 533	60	F4G	30	286887
9 x 533	80	F4G	30	286888
10 x 330	40	F4G	25	325250
10 x 330	60	F4G	25	302797
10 x 330	80	F4G	25	302798
13 x 610	40	F4G	25	322530
13 x 610	60	F4G	25	302784
13 x 610	80	F4G	25	302785
20 x 520	36	F4G	25	322531
20 x 520	60	F4G	25	302791
20 x 520	80	F4G	25	302792

More file belts see belts

Non-woven textile belt

NBF 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

Stainless steel	●
NF metals	●
Metals	○

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

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

Continuation →

Other grits/grades and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37; Please see Applications Guide on page 35 - 41.

File belts

Coated abrasives

→ Continuation of NBF 800, Non-woven textile belt

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

Other grits/grades and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37; Please see Applications Guide on page 35 - 41.

Short belts for hand held 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 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
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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
60 x 400	40	F5	10	65163
60 x 400	60	F5	10	4100
60 x 400	80	F5	10	4104
60 x 400	120	F5	10	4097
65 x 410	40	F5	10	4106
65 x 410	60	F5	10	4114
65 x 410	80	F5	10	4120
65 x 410	100	F5	10	4124
65 x 410	120	F5	10	4128
75 x 457	40	F5	10	37269
75 x 457	60	F5	10	38825
75 x 457	80	F5	10	40345
75 x 457	100	F5	10	41560
75 x 457	120	F5	10	42627
75 x 457	150	F5	10	43020
75 x 480	40	F5	10	4098
75 x 480	60	F5	10	4107
75 x 480	80	F5	10	4115
75 x 480	100	F5	10	4121
75 x 480	120	F5	10	4125
75 x 508	40	F5	10	4099
75 x 508	60	F5	10	4103
75 x 508	80	F5	10	4117
75 x 508	100	F5	10	4118
75 x 533	40	F5	10	4137
75 x 533	60	F5	10	4139
75 x 533	80	F5	10	4140
75 x 533	100	F5	10	4141
75 x 533	120	F5	10	4142
75 x 533	150	F5	10	4143
75 x 533	180	F5	10	4144
75 x 533	240	F5	10	43614
75 x 610	40	F5	10	37285
75 x 610	60	F5	10	38842

More short belts for hand held machines see belts

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37; Please see Applications Guide on page 35 - 41.

Short belts for hand held machines

Coated abrasives

→ Continuation of LS 309 XH, Abrasive cloth

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
75 x 610	80	F5	10	40365
75 x 610	100	F5	10	41576
75 x 610	120	F5	10	42642
100 x 560	40	F5	10	4151
100 x 560	60	F5	10	4473
100 x 560	80	F5	10	4474
100 x 560	100	F5	10	4475
100 x 560	120	F5	10	4476
100 x 560	150	F5	10	4477
100 x 560	180	F5	10	73079
100 x 610	40	F5	10	4478
100 x 610	60	F5	10	4480
100 x 610	80	F5	10	4481
100 x 610	100	F5	10	4482
100 x 610	120	F5	10	4483
100 x 610	150	F5	10	4484
100 x 610	180	F5	10	43302
100 x 620	40	F5	10	6272
100 x 620	60	F5	10	6278
100 x 620	80	F5	10	6283
100 x 620	100	F5	10	6284
100 x 620	120	F5	10	6286
100 x 620	150	F5	10	6288
105 x 620	40	F5	10	4485
105 x 620	60	F5	10	4487
105 x 620	80	F5	10	4489
105 x 620	100	F5	10	4490
105 x 620	120	F5	10	4491
105 x 620	150	F5	10	4492
110 x 620	40	F5	10	6290
110 x 620	60	F5	10	6292
110 x 620	80	F5	10	6294
110 x 620	100	F5	10	6295
110 x 620	120	F5	10	6296

More short belts for hand held machines see belts

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37; Please see Applications Guide on page 35 - 41.

Belts with paper backing

Coated abrasives



Abrasive paper

PS 20 F



Properties

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

Applications:

Metals	●
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 alumin./ Al. oxide
Coating	Close
Backing	F-paper

Applications:

Stainless steel	●
Metals	●
Steel	●

Advantages: High aggressiveness and long service life due to self-sharpening zirconia alumina - Specially developed for rough grinding through 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	●	Plastic	○
Metals	○		
NF metals	○		
Paint/Varnish/Filler	○		

Advantages: High removal rate, fine surface scratch pattern - Specially developed for finish grinding of hardwood - Reduced clogging and longer service life due to ACT recipe 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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:

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 ACT recipe 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 SUPER ANTISTATIC

PS 26 F



Properties

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

Applications:

Wood	●
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Advantages: Especially high-quality type for solid wood and veneer - Very long service life - No dust adhesion 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 paper, ANTISTATIC

PS 27 DW



Properties

Bonding agent	Resin
Grain	SiC
Coating	Open
Backing	D-paper

Applications:

Paint/Varnish/Filler	●
Aluminium	●

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 2000 1500

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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	●
------	---

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 ACT recipe 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
150 x 2000	80	F5	10	307797
150 x 2000	100	F5	10	307798
150 x 2000	120	F5	10	307799
150 x 2170	80	F5	10	307800
150 x 2170	120	F5	10	307801
150 x 2250	60	F5	10	307802
150 x 2250	80	F5	10	307803
150 x 2250	100	F5	10	307804
150 x 2250	120	F5	10	307805
150 x 2250	150	F5	10	307806
150 x 2280	80	F5	10	307807
150 x 2280	100	F5	10	307808
150 x 2280	120	F5	10	307809
150 x 2600	80	F5	10	307811
150 x 2600	100	F5	10	307812
150 x 2600	120	F5	10	307813
150 x 3000	80	F5	10	307814
150 x 3000	100	F5	10	307815

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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
150 x 3000	120	F5	10	307816
150 x 6800	80	F2	10	307821
150 x 6800	100	F2	10	307822
150 x 6800	120	F2	10	307823
150 x 6880	80	F2	10	307824
150 x 6880	100	F2	10	307825
150 x 6880	120	F2	10	307826
150 x 7100	60	F2	10	307828
150 x 7100	80	F2	10	307829
150 x 7100	100	F2	10	307830
150 x 7100	120	F2	10	307831
150 x 7100	150	F2	10	307832
150 x 7200	80	F2	10	307833
150 x 7200	100	F2	10	307834
150 x 7200	120	F2	10	307835
150 x 7500	80	F2	10	307837
150 x 7500	100	F2	10	307838
150 x 7500	120	F2	10	307839
150 x 7800	80	F2	10	307840
150 x 7800	100	F2	10	307841
150 x 7800	120	F2	10	307842
150 x 7800	150	F2	10	307843
200 x 1600	80	F5	10	307844
200 x 1600	100	F5	10	307845
200 x 1600	120	F5	10	307846
200 x 3000	80	F5	10	307847
200 x 3000	100	F5	10	307848
200 x 3000	120	F5	10	307849
200 x 3000	150	F5	10	307850

Abrasive paper

PS 61 F



Properties

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

Applications:

Stainless steel	●
Steel	●
Wood	○



Advantages: Continuously aggressive abrasive behavior 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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 hardwood finish grinding - 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
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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
28 x 533	40	F4G	20	36755
28 x 533	60	F4G	20	37945
28 x 533	80	F4G	20	39236
28 x 533	100	F4G	20	40702
28 x 533	120	F4G	20	41900
28 x 533	150	F4G	20	42794
50 x 1020	40	F5	10	36837
50 x 1020	60	F5	25	38075
50 x 1020	80	F5	25	39401
50 x 1020	100	F5	25	40832
50 x 1020	120	F5	25	42020
50 x 2000	40	F4G	10	4502
50 x 2000	60	F4G	25	4531
50 x 2000	80	F4G	25	4548
75 x 2000	40	F4G	10	36923
75 x 2000	60	F4G	10	38198
75 x 2000	80	F4G	10	39556
75 x 2000	100	F4G	10	40930

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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
75 x 2000	120	F4G	10	42119
100 x 800	60	F5	10	38286
100 x 800	80	F5	10	39659
100 x 800	120	F5	10	137024
100 x 860	60	F5	10	38895
100 x 860	80	F5	10	40425
100 x 860	100	F5	10	41621
100 x 860	120	F5	10	42678
100 x 900	60	F5	10	38898
100 x 900	80	F5	10	40428
100 x 900	100	F5	10	41623
100 x 900	120	F5	10	42679
100 x 915	40	F5	10	37324
100 x 915	60	F5	10	38900
100 x 915	80	F5	10	40430
100 x 915	100	F5	10	41625
100 x 915	120	F5	10	42681
100 x 915	150	F5	10	43054
100 x 915	180	F5	10	43308
100 x 915	240	F5	10	128755
100 x 950	40	F5	10	37328
100 x 950	60	F5	10	38904
100 x 950	80	F5	10	40435
100 x 950	100	F5	10	41627
100 x 950	120	F5	10	42684
100 x 1000	40	F5	10	36999
100 x 1000	60	F5	10	38304
100 x 1000	80	F5	10	39679
100 x 1000	100	F5	10	41019
100 x 1000	120	F5	10	42199
150 x 1220	60	F5	10	38428
150 x 1220	80	F5	10	39852
150 x 2000	40	F4G	10	37071
150 x 2000	60	F4G	10	38460
150 x 2000	80	F4G	10	39884
150 x 2000	120	F4G	10	42311

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Belts with cloth backing

Coated abrasives



Abrasive cloth

LS 309 J



Properties

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

Applications:

Metals	●
NF metals	●
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

Abrasive cloth

LS 309 JF



Properties

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

Applications:

Metals	●
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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Belts with cloth backing

Coated abrasives

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

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
25 x 1065	60	F4G	10	244635
25 x 1065	80	F4G	10	244634
50 x 1020	40	F5	10	47753
50 x 1020	60	F5	25	48549
50 x 1020	80	F5	25	49300
50 x 2000	40	F4G	10	4587
50 x 2000	60	F4G	25	4590
50 x 2000	80	F4G	25	4591
50 x 2000	120	F4G	25	4593
75 x 2000	36	F4G	10	4594
75 x 2000	40	F4G	10	4595
75 x 2000	60	F4G	25	4596
75 x 2000	80	F4G	25	49399
75 x 2000	120	F4G	25	50652
75 x 2000	180	F4G	25	51222
75 x 2000	240	F4G	25	51470
100 x 920	60	F5	10	48717
100 x 920	80	F5	10	49454
100 x 920	100	F5	10	50136
150 x 2000	36	F4G	10	47492
150 x 2000	40	F4G	10	47921
150 x 2000	60	F4G	10	48821
150 x 2000	80	F4G	10	49581
150 x 2000	120	F4G	10	50767
200 x 550	24	F7G	10	170543
200 x 550	36	F7G	10	170544
200 x 550	40	F7G	10	97832
200 x 550	60	F7G	10	105992
200 x 550	80	F7G	10	123929
200 x 550	120	F7G	10	123931
200 x 750	24	F7G	10	47101
200 x 750	36	F7G	10	47561
200 x 750	40	F7G	10	48028
200 x 750	60	F7G	10	48970
200 x 750	80	F7G	10	49764
200 x 750	100	F7G	10	50340
200 x 750	120	F7G	10	50872

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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	●
Metals	○

Advantages: Good removal rate for working on wood under high stress - Minimal clogging and long service life due to ACT recipe 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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All sizes and minimum purchasing quantities available on request

Abrasive cloth, specially coated

LS 312 JF



Properties

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

Applications:

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

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
50 x 1525	100	F1	25	247871
50 x 1525	240	F1	25	210375
50 x 1525	320	F1	25	247872
300 x 3500	100	F1	10	79849
300 x 3500	150	F1	10	247873
300 x 3500	180	F1	10	81518
300 x 3500	280	F1	10	79850
300 x 3500	320	F1	10	83657
300 x 3500	400	F1	10	81147

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Belts with cloth backing

Coated abrasives

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

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 ACT recipe

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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 agglom.
Backing	Y-polyester

Applications:

Stainless steel	●
Glass/Stone	●
Metals	●

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Belts with cloth backing

Coated abrasives

Abrasive cloth, KULEX

CS 326 Y



Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
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 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, KULEX

CS 329 JF



Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Backing	JF-cotton

Applications:

Stainless steel	●
Steel	●

Advantages: Long-life abrasive belt for a satin surface scratch pattern, under low to medium grinding pressure - Very suitable for strongly profiled workpieces - 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, KULEX

CS 329 Y



Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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 with 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	●
Metals	●

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:

Metals	●
NF metals	●
Plastic	●

Advantages: Long service life and high abrasive performance - Top product for robot grinding of brass fittings - 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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	●
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 fine grinding in centerless 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 behavior - 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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

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

Abrasive cloth

CS 411 X



Properties

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

Applications:

Stainless steel	●
Steel	●
Metals	●

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

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

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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
150 x 2000	40	F4G	10	26668
150 x 2000	60	F4G	10	72775
150 x 2000	80	F4G	10	27030
150 x 2000	120	F4G	10	101308

Abrasive cloth, waterproof

CS 411 Y



Properties

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

Applications:

Stainless steel	●
Steel	●
Metals	●

Advantages: Tear-resistant high performance belt - 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
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Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
75 x 2000	24	F4G	10	62056
75 x 2000	36	F4G	10	62150
75 x 2000	40	F4G	10	62509
75 x 2000	50	F4G	10	62604
75 x 2000	60	F4G	10	62938
75 x 2000	80	F4G	10	63068
75 x 2000	120	F4G	10	20598
150 x 2000	24	F4G	10	62067
150 x 2000	36	F4G	10	62176
150 x 2000	40	F4G	10	62537
150 x 2000	60	F4G	10	62971
150 x 2000	80	F4G	10	63102
150 x 2000	120	F4G	10	278219

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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:

Metals	●
NF metals	●
Stainless steel	●
Steel	●

Wood	○
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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	●
Leather	●
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
75 x 2000	36	F4G	10	204858
75 x 2000	40	F4G	10	205377
75 x 2000	60	F4G	10	207651
75 x 2000	80	F4G	10	220805
75 x 2000	120	F4G	10	210753
150 x 2000	36	F4G	10	231336
150 x 2000	40	F4G	10	205474
150 x 2000	60	F4G	10	204213
150 x 2000	80	F4G	10	205130

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

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 knob structure for a satin surface scratch pattern, under high to medium grinding pressure - Very suitable for centerless 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	●	Mineral-based materials	●
Plastic	●		
Metals	●		
Titanium / - alloy	●		

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 Al. 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Belts with cloth backing

Coated abrasives



Abrasive cloth

GX 712 JF



Properties

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

Applications:

NF metals	●
Stainless steel	●
Steel	●
Metals	●

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

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; specially developed for applications under high stress - Especially good grain adhesion and service life due to ACT recipe

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 Al. oxide
Coating	Close
Backing	Y-polyester

Applications:

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

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 clogging/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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Belts with cloth backing

Coated abrasives

Abrasive cloth, waterproof

CS 912 Y ACT



Properties

Bonding agent	Resin
Grain	Ceramic Al. 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

Abrasive cloth, multibond

CS 931 JF



NEW



Properties

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

Applications:

Stainless steel	●
Titanium / - alloy	●

Advantages: Special product with high flexible backing for the processing of stainless steel and high-alloyed 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 high 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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.


Belts with cloth backing


Coated abrasives



Abrasive cloth, multibond

GX 931 JF





Properties		Applications:	
Bonding agent	Resin	Stainless steel	●
Grain	Ceramic Al. oxide	Titanium / - alloy	●
Coating	Semi-open		
Backing	JF-blended cloth		

Advantages: Special product with flexible and tear resistant backing for the processing of stainless steel and high-alloyed steel - Continuously aggressive grinding properties with high lifetime due to semiopen coated self-sharpening ceramic grain - Good adaptability on radiuses and edges through flexible backing - High process reliability in robot applications or grinding slack of the belt because of extremely tear resistant polycotton 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.
 Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Non-woven web belts

Non-woven textile belt

NBS 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

Stainless steel	●
NF metals	●
Metals	○

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

Width x Length in mm	Grade	Colour	Belt joint	Packing unit/pcs.	Cat. number
30 x 800	medium	maroon	F3W	5	258706
30 x 800	very fine	blue	F3W	5	258707
40 x 618	coarse	brown	F3W	5	258711
40 x 618	medium	maroon	F3W	5	258712
40 x 618	very fine	blue	F3W	5	258713
40 x 820	coarse	brown	F3W	5	258714
40 x 820	medium	maroon	F3W	5	258715
40 x 820	very fine	blue	F3W	5	258716
50 x 450	coarse	brown	F3W	5	258717
50 x 450	medium	maroon	F3W	5	258718
75 x 2000	coarse	brown	F3W	5	258729
75 x 2000	medium	maroon	F3W	5	258730
75 x 2000	very fine	blue	F3W	5	258731

Non-woven textile belt

NBS 850



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

Stainless steel	●
Metals	●

Advantages: Special product for surface finishing with hand-operated machines (except hand tool belt grinders) and stationary machines - High content of non-woven for soft grinding behaviour - Very fine surface finish - Minimal clogging and long service life - Suitable for dry and wet use - Available in: coarse, medium, fine and very fine

All sizes and minimum purchasing quantities available on request

Other sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Abrasive sleeves

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 310

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
10 x 20	80	50	11555
10 x 20	150	50	11554
13 x 25	50	50	28188
13 x 25	80	50	11558
13 x 25	150	50	11557
15 x 30	50	50	11568
15 x 30	80	50	11567
15 x 30	150	50	11566
22 x 20	50	50	11571
22 x 20	80	50	11570
22 x 20	150	50	11569
30 x 20	50	50	11574
30 x 20	80	50	11573
30 x 20	150	50	11572
30 x 30	50	50	11577
30 x 30	80	50	11576
30 x 30	150	50	11575
45 x 30	50	50	11580
45 x 30	80	50	11579
45 x 30	150	50	11578
60 x 30	50	25	11583
60 x 30	80	25	11582
60 x 30	150	25	11581
75 x 30	50	25	11586
75 x 30	80	25	11585
75 x 30	150	25	11584

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Abrasive sleeves

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, conical form - Universal applications in metalworking - High aggressiveness when used with rubber drum GK 310

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
22 x 29 x 30	50	50	11592
22 x 29 x 30	80	50	11591
22 x 36 x 60	50	50	11595
22 x 36 x 60	80	50	11594
22 x 36 x 60	150	50	11593

Abrasive cloth, multibond

CS 451 X



Properties

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

Applications:

Stainless steel	●
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Advantages: Tear-resistant cloth with reinforced backing - Spiral shaped joint, cylindrical form - High-quality alumina zirconia with multibond especially suited for working on stainless steel - High aggressiveness when used with rubber drum GK 310

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
30 x 20	60	50	255475
30 x 20	120	50	255584
45 x 30	60	50	255476
45 x 30	120	50	255625
60 x 30	60	25	255626
60 x 30	120	25	255627

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 41.

Rubber drums

GK 310



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

Diameter x Height x Shaft in mm	Max. RPM	Packing unit/pcs.	Cat. number
10 x 20 x 6	44,000 rpm	1	14843
13 x 25 x 6	44,000 rpm	1	14845
15 x 30 x 6	36,000 rpm	1	14847
22 x 20 x 6	26,000 rpm	1	14848
30 x 20 x 6	19,100 rpm	1	14849
30 x 30 x 6	19,100 rpm	1	14850
45 x 30 x 6	12,700 rpm	1	14851
60 x 30 x 6	9,500 rpm	1	14852
75 x 30 x 8	7,600 rpm	1	14853

Rubber drums

GK 310



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

Diameter x Height x Shaft in mm	Max. RPM	Packing unit/pcs.	Cat. number
22/29 x 30 x 6	19,100 rpm	1	14855
22/36 x 60 x 6	15,900 rpm	1	14856

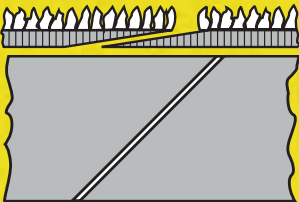
Belt joints for wide belts

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.

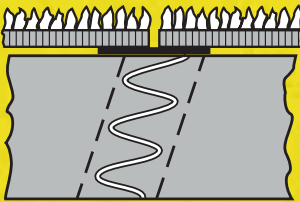
The following illustrations show the usual types of joint. The available types of joint are listed in the product charts on the following product pages.

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.

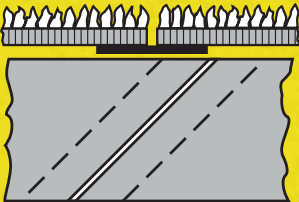
If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.



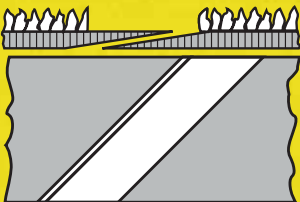
Form 1
Overlapping glued joint. Standard joint for wide belts with paper backing.



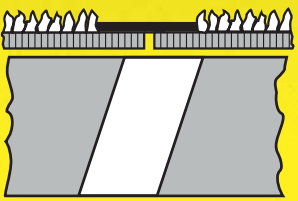
Form 3G
Zig zag joint, with foil backing for finishing surfaces that must be of the highest quality using wide belts with cloth backing.



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
	Vega 113, Vega 213 C-E, Vega 313	1370	2150
Casadei	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, RTT 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
	Libra 50 (RR 135, RTC 135, RRR 135, RRTC 135)	1370	2620
	Libra 60 (RR135, RTC 135, RRR 135, RRTC 135)	1370	2620
CMC	LEV 95 RT/RR/R+T	970	1900
	LEV 115 RT/RR/R+T	1180	1900
Costa	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
	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
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
	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
	Megatronc	1120/1380	1900
Sanding-master / Timesavers	Omega, Omegatronc	1120/1380	2150
	RSK-0	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 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 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 WWS, 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 WWS, 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
Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Sandya	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
Tagliabue	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
Viet	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
Weber	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

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	●
Metals	●
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	●
Metals	●
Steel	●

Advantages: Aggressive abrasive behavior due to self-sharpening alumina zirconia - 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

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	●	Plastic	○
Metals	○		
NE-Metalle	○		
Paint/Varnish/Filler	○		

Advantages: High removal rate, fine surface scratch pattern, especially suitable for hardwood, HPL panels and melamine and primer foil coatings - Reduced clogging and longer service life due to ACT recipe 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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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:

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

Advantages: For hard and tough surfaces - Produces a brilliant, high-gloss finish of 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 ACT recipe 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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All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

Wide belts with paper backing

Coated abrasives

Abrasive paper, *SUPER ANTISTATIC*

PS 26 F



Properties

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

Applications:

Wood	●
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Advantages: Premium type for use on wood and veneer - High tear resistance, smooth belt operation - Optimal electrical conductivity, 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 paper, *ANTISTATIC*

PS 27 DW



Properties

Bonding agent	Resin
Grain	SiC
Coating	Open
Backing	D-paper

Applications:

Paint/Varnish/Filler	●
Aluminium	●

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

Wide belts with paper backing

Coated abrasives



Abrasive paper, ANTISTATIC

PS 28 F



NEW



Properties

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

Applications:

Wood	●
Leather	●

Advantages: Universal type for use on wood, especially softwood - Price-optimized 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
1120 x 1900	60	F1	10	321842
1120 x 1900	80	F1	10	321843
1120 x 1900	100	F1	10	321844
1120 x 1900	120	F1	10	321845
1120 x 1900	150	F1	10	321846
1350 x 2620	60	F1	10	320413
1350 x 2620	80	F1	10	320414
1350 x 2620	100	F1	10	320415
1350 x 2620	120	F1	10	320416
1350 x 2620	150	F1	10	320417
1350 x 2620	180	F1	10	321859

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

Wide belts with paper backing

Coated abrasives

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 ACT recipe 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
930 x 1525	80	F1	10	307852
930 x 1525	100	F1	10	307853
930 x 1525	120	F1	10	307854
1100 x 1900	80	F1	10	307857
1100 x 1900	120	F1	10	307859
1120 x 1900	60	F1	10	292903
1120 x 1900	80	F1	10	292904
1120 x 1900	100	F1	10	292935
1120 x 1900	120	F1	10	292936
1120 x 1900	150	F1	10	292937
1120 x 2150	80	F1	10	307863
1120 x 2150	120	F1	10	307865
1350 x 2620	60	F1	10	292938
1350 x 2620	80	F1	10	292939
1350 x 2620	100	F1	10	292940
1350 x 2620	120	F1	10	292941
1350 x 2620	150	F1	10	292942
1350 x 2620	180	F1	10	307867

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

Wide belts with paper backing

Coated abrasives



Abrasive paper

PS 38 G ACT



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	G-paper

Applications:

Wood based materials	●
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Advantages: High removal rate and fine surface scratch pattern, specially 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 ACT recipe

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 Al. oxide
Coating	Close
Backing	F-paper

Applications:

Stainless steel	●
Steel	●
Wood	○

Advantages: Continuously aggressive abrasive behavior 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

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

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:

Metals	●	Plastic	○
Steel	●		
Stainless steel	●		
Wood	○		

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

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	●
Metals	○

Advantages: Specially developed for calibration grinding of wood - Reduced clogging and longer service life due to ACT recipe 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 grinding of glass, ceramic and 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

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 of 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 of glass, ceramic and 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, KULEX

CS 326 Y



Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
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 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

Wide belts with cloth backing

Coated abrasives



Abrasive cloth, KULEX

CS 329 Y



Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
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

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
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All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

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 and fine sanding of wood-based materials (one-piece wide belts up to 1620 mm) - Optimal electrical conductivity, 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:

Metals	●
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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

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 behavior due to self-sharpening alumina zirconia - Prevents heat tinting on stainless steel - Cool grinding due to additional multibond - Minimal clogging when used on aluminum and aluminum 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
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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	●
Metals	●

Advantages: Aggressive abrasive behavior - 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
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All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

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	●	Wood	○
Metals	●		
Steel	●		
NF metals	●		

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	●
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Advantages: High removal rate, especially suitable for calibration and fine sanding of wood-based materials with segmented wide belts (width ≥ 1620 mm) - Outstanding grit adhesion, very long service life due to perfect antistatic properties and ACT recipe

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.

Wide belts with cloth backing

Coated abrasives



Abrasive cloth

CS 912 Y ACT



Properties

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

Applications:

Stainless steel	●
Steel	●

Advantages: Continuously aggressive abrasive behavior 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

Other grits and sizes available on request.
Please observe: Minimum order quantities for manufactured items see page 37. Please see Applications Guide on page 35 - 37, 72 - 75.



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

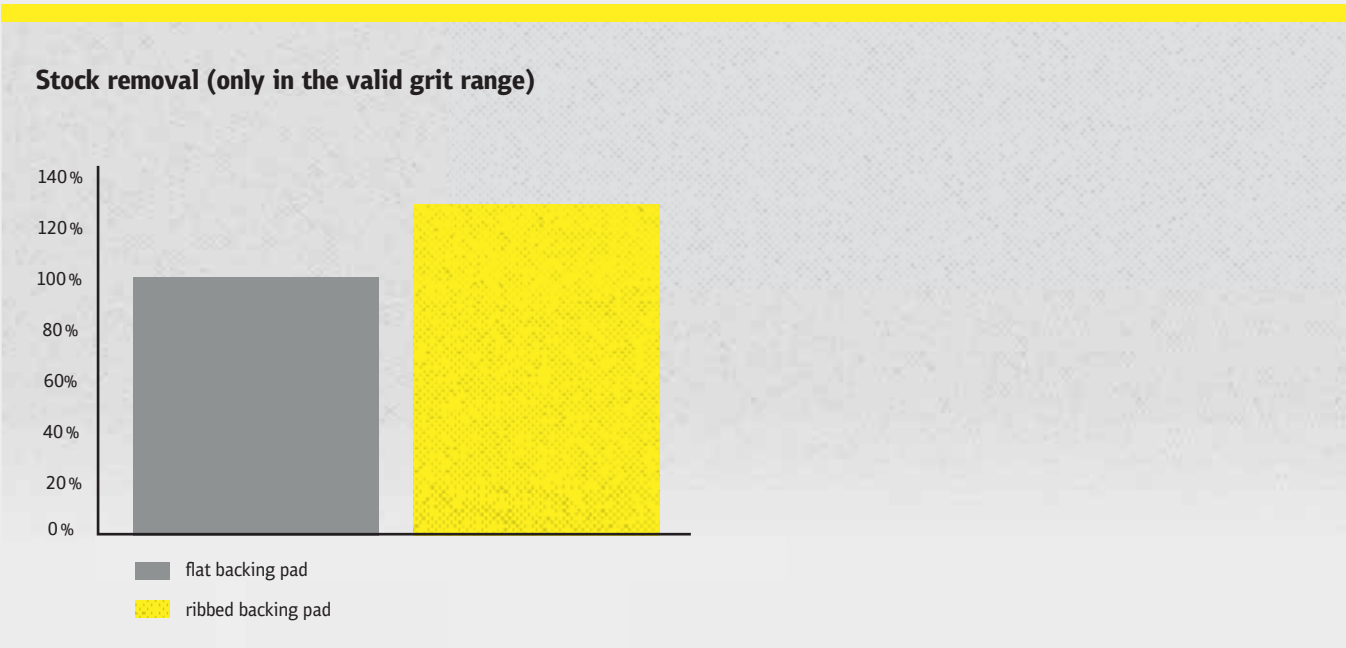
- Low clogging rate
- Market leading service life
- Even grinding finish
- Cool grinding

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	94
Steel, stainless steel	FS 764 ACT	Aluminium oxide	Fibre	●	Abrasive fibre disc for processing steel and non-ferrous metals. High aggressiveness and long service life due to new Advanced Coating Technology	97
	CS 565	Zirconia alumina	Fibre	●	Abrasive fibre disc with high stock removal rate for rough grinding and deburring of steel and stainless steel	98
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	100
	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 new Advanced Coating Technology	101

● = 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 rougher), chamfering, deburring work, welded seam work



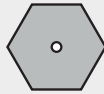
Hole pattern for fibre discs



10 = round hole



30 = star shaped hole



Additional special cutting shapes are available on request. Please ask us!

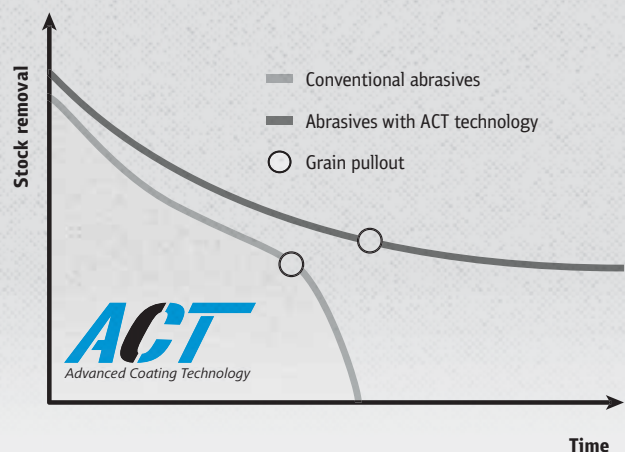


Minimum order quantities for made to order items

Disc diameter	Min. order quantities
up to 230 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	●	Stainless steel	○
NF metals	●	Wood	○
Metals	●		
Plastic	○		

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
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Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
100 x 16	16	⊙ 10	25	65708
100 x 16	24	⊙ 10	25	65713
100 x 16	36	⊙ 10	25	65718
100 x 16	40	⊙ 10	25	65720
100 x 16	50	⊙ 10	25	65725
100 x 16	60	⊙ 10	25	65730
100 x 16	80	⊙ 10	25	65735
100 x 16	100	⊙ 10	25	65739
100 x 16	120	⊙ 10	25	65743
115 x 22	16	⊙ 10	25	66302
115 x 22	24	⊙ 10	25	72298
115 x 22	36	⊙ 10	25	66308
115 x 22	40	⊙ 10	25	72192
115 x 22	50	⊙ 10	25	66313
115 x 22	60	⊙ 10	25	66318
115 x 22	80	⊙ 10	25	25472
115 x 22	100	⊙ 10	25	66322
115 x 22	120	⊙ 10	25	66327
115 x 22	16	⊗ 30	25	10977
115 x 22	24	⊗ 30	25	10978
115 x 22	30	⊗ 30	25	10979
115 x 22	36	⊗ 30	25	10980
115 x 22	40	⊗ 30	25	10981
115 x 22	50	⊗ 30	25	10982
115 x 22	60	⊗ 30	25	10983
115 x 22	80	⊗ 30	25	10984
115 x 22	100	⊗ 30	25	10985
115 x 22	120	⊗ 30	25	10986
115 x 22	150	⊗ 30	25	10987
115 x 22	180	⊗ 30	25	10988
115 x 22	220	⊗ 30	25	10989
115 x 22	240	⊗ 30	25	10990
115 x 22	320	⊗ 30	25	10992
125 x 22	16	⊙ 10	25	66354

Dispenser see page 99 / Backing pads see page 102

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 93. Please see Applications Guide on page 90 - 93.

Fibre discs

Coated abrasives



→ Continuation of CS 561, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125 x 22	24	⊙ 10	25	66358
125 x 22	36	⊙ 10	25	66364
125 x 22	40	⊙ 10	25	66366
125 x 22	50	⊙ 10	25	66371
125 x 22	60	⊙ 10	25	66376
125 x 22	80	⊙ 10	25	70439
125 x 22	100	⊙ 10	25	66379
125 x 22	120	⊙ 10	25	66383
125 x 22	16	⊗ 30	25	11009
125 x 22	24	⊗ 30	25	11010
125 x 22	30	⊗ 30	25	11011
125 x 22	36	⊗ 30	25	11012
125 x 22	40	⊗ 30	25	11013
125 x 22	50	⊗ 30	25	11014
125 x 22	60	⊗ 30	25	11015
125 x 22	80	⊗ 30	25	11016
125 x 22	100	⊗ 30	25	11017
125 x 22	120	⊗ 30	25	11018
125 x 22	150	⊗ 30	25	11019
125 x 22	180	⊗ 30	25	11020
125 x 22	220	⊗ 30	25	11021
125 x 22	240	⊗ 30	25	11022
125 x 22	320	⊗ 30	25	11024
150 x 22	24	⊗ 30	25	11042
150 x 22	36	⊗ 30	25	11044
150 x 22	40	⊗ 30	25	11045
150 x 22	60	⊗ 30	25	11047
150 x 22	80	⊗ 30	25	11048
150 x 22	120	⊗ 30	25	11050
180 x 22	16	⊙ 10	25	66443
180 x 22	24	⊙ 10	25	66451
180 x 22	36	⊙ 10	25	66459
180 x 22	40	⊙ 10	25	70447
180 x 22	50	⊙ 10	25	70448
180 x 22	60	⊙ 10	25	70449
180 x 22	80	⊙ 10	25	66465
180 x 22	100	⊙ 10	25	66469
180 x 22	120	⊙ 10	25	66472
180 x 22	16	⊗ 30	25	11057
180 x 22	24	⊗ 30	25	11058
180 x 22	30	⊗ 30	25	11059
180 x 22	36	⊗ 30	25	11060
180 x 22	40	⊗ 30	25	11061
180 x 22	50	⊗ 30	25	11062
180 x 22	60	⊗ 30	25	11063
180 x 22	80	⊗ 30	25	11064
180 x 22	100	⊗ 30	25	11065
180 x 22	120	⊗ 30	25	11066
180 x 22	150	⊗ 30	25	11067
180 x 22	180	⊗ 30	25	11068
180 x 22	220	⊗ 30	25	11069

Dispenser see page 99 / Backing pads see page 102

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 93. Please see Applications Guide on page 90 - 93.

Fibre discs

Coated abrasives

→ Continuation of CS 561, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
180 x 22	240	⊗ 30	25	11070
180 x 22	320	⊗ 30	25	11072
235 x 22	24	⊙ 10	25	66497
235 x 22	36	⊙ 10	25	66502
235 x 22	40	⊙ 10	25	66504
235 x 22	60	⊙ 10	25	66511
235 x 22	80	⊙ 10	25	66514

Abrasive fibre disc

CS 561



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

Applications:

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

Advantages: For universal use - Largest selection of diameters, grit sizes and hole patterns - Special large package reduces storage costs

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
115 x 22	24	⊗ 30	50	311520
115 x 22	36	⊗ 30	50	311521
115 x 22	40	⊗ 30	50	311518
115 x 22	60	⊗ 30	50	311524
125 x 22	36	⊗ 30	50	311523
125 x 22	40	⊗ 30	50	311549
125 x 22	60	⊗ 30	50	311547
125 x 22	80	⊗ 30	50	311548

Dispenser see page 99 / Backing pads see page 102

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 93. Please see Applications Guide on page 90 - 93.

Abrasive fibre disc

FS 764 ACT



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

Applications:

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

Advantages: For universal use - Increased removal rate and outstanding grit adhesion due to special ACT recipe - 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
115 x 22	24	⊗ 30	25	316469
115 x 22	36	⊗ 30	25	316470
115 x 22	40	⊗ 30	25	316471
115 x 22	50	⊗ 30	25	316472
115 x 22	60	⊗ 30	25	316473
115 x 22	80	⊗ 30	25	316474
115 x 22	120	⊗ 30	25	316475
125 x 22	24	⊗ 30	25	316476
125 x 22	36	⊗ 30	25	316477
125 x 22	40	⊗ 30	25	316478
125 x 22	50	⊗ 30	25	316479
125 x 22	60	⊗ 30	25	316480
125 x 22	80	⊗ 30	25	316481
125 x 22	120	⊗ 30	25	316482
180 x 22	24	⊗ 30	25	316483
180 x 22	36	⊗ 30	25	316484
180 x 22	40	⊗ 30	25	316485
180 x 22	50	⊗ 30	25	316486
180 x 22	60	⊗ 30	25	316487
180 x 22	80	⊗ 30	25	316488
180 x 22	120	⊗ 30	25	316489

Dispenser see page 99 / Backing pads see page 102

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 93. Please see Applications Guide on page 90 - 93.

Fibre discs

Coated abrasives

Abrasive fibre disc

CS 565



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications:

Stainless steel	●
Steel	●
Metals	●

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
100 x 16	36	⊙ 10	25	23680
100 x 16	60	⊙ 10	25	84604
100 x 16	80	⊙ 10	25	188678
115 x 22	24	⊙ 10	25	93409
115 x 22	36	⊙ 10	25	65698
115 x 22	40	⊙ 10	25	242800
115 x 22	50	⊙ 10	25	85517
115 x 22	60	⊙ 10	25	65700
115 x 22	80	⊙ 10	25	65701
115 x 22	24	⊗ 30	25	95335
115 x 22	36	⊗ 30	25	6686
115 x 22	40	⊗ 30	25	242801
115 x 22	50	⊗ 30	25	92066
115 x 22	60	⊗ 30	25	6687
115 x 22	80	⊗ 30	25	6688
115 x 22	100	⊗ 30	25	204609
125 x 22	24	⊙ 10	25	95071
125 x 22	36	⊙ 10	25	65681
125 x 22	40	⊙ 10	25	242802
125 x 22	60	⊙ 10	25	65707
125 x 22	80	⊙ 10	25	23001
125 x 22	24	⊗ 30	25	97643
125 x 22	36	⊗ 30	25	6620
125 x 22	40	⊗ 30	25	242803
125 x 22	50	⊗ 30	25	93054
125 x 22	60	⊗ 30	25	6721
125 x 22	80	⊗ 30	25	23005
125 x 22	100	⊗ 30	25	204611
180 x 22	36	⊙ 10	25	65702
180 x 22	60	⊙ 10	25	65705
180 x 22	80	⊙ 10	25	65706
180 x 22	24	⊗ 30	25	95993
180 x 22	36	⊗ 30	25	65703

Dispenser see page 99 / Backing pads see page 102

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 93. Please see Applications Guide on page 90 - 93.

→ Continuation of CS 565, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
180 x 22	40	⊗ 30	25	242807
180 x 22	50	⊗ 30	25	93045
180 x 22	60	⊗ 30	25	6690
180 x 22	80	⊗ 30	25	6691

Abrasive fibre disc

CS 565



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications:

Stainless steel	●
Steel	●
Metals	●

Advantages: Self-sharpening effect - High aggressiveness on steel and stainless steel - Ideal for rough grinding work - Excellent price/performance ratio- Special large package reduces storage costs

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
115 x 22	36	⊗ 30	50	311522
115 x 22	40	⊗ 30	50	311516
115 x 22	60	⊗ 30	50	311546
115 x 22	80	⊗ 30	50	311545

Dispenser see page 99 / Backing pads see page 102

Dispenser for fibre discs

FS 555



Advantages: Easy stocking 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

Size in mm	Packing unit/pcs.	Cat. number
170 x 140 x 196	1	316463

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 93. Please see Applications Guide on page 90 - 93.

Fibre discs

Coated abrasives

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
100 x 16	36	⊙ 10	25	204823
100 x 16	60	⊙ 10	25	204825
100 x 16	80	⊙ 10	25	204826
100 x 16	120	⊙ 10	25	204828
115 x 22	36	⊙ 10	25	204797
115 x 22	60	⊙ 10	25	204799
115 x 22	80	⊙ 10	25	204800
115 x 22	120	⊙ 10	25	204802
115 x 22	24	⊛ 30	25	204085
115 x 22	36	⊛ 30	25	204086
115 x 22	40	⊛ 30	25	250258
115 x 22	50	⊛ 30	25	204087
115 x 22	60	⊛ 30	25	204088
115 x 22	80	⊛ 30	25	204089
115 x 22	100	⊛ 30	25	204090
115 x 22	120	⊛ 30	25	204091
125 x 22	36	⊙ 10	25	204806
125 x 22	60	⊙ 10	25	204811
125 x 22	80	⊙ 10	25	204812
125 x 22	120	⊙ 10	25	204814
125 x 22	24	⊛ 30	25	204092
125 x 22	36	⊛ 30	25	204093
125 x 22	40	⊛ 30	25	250259
125 x 22	50	⊛ 30	25	204094
125 x 22	60	⊛ 30	25	204095
125 x 22	80	⊛ 30	25	204096
125 x 22	100	⊛ 30	25	204097
125 x 22	120	⊛ 30	25	204098
180 x 22	24	⊛ 30	25	204099
180 x 22	36	⊛ 30	25	204100
180 x 22	40	⊛ 30	25	250260
180 x 22	50	⊛ 30	25	204101

Dispenser see page 99 / Backing pads see page 102

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 93. Please see Applications Guide on page 90 - 93.

Fibre discs

Coated abrasives



→ Continuation of CS 570, Fibre disc, multibond

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
180 x 22	60	⊗ 30	25	204102
180 x 22	80	⊗ 30	25	204103
180 x 22	100	⊗ 30	25	204104
180 x 22	120	⊗ 30	25	204105

Fibre disc, multibond

FS 966 ACT



Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close

Applications:

Stainless steel	●
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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
115 x 22	36	⊗ 30	25	316490
115 x 22	40	⊗ 30	25	316491
115 x 22	50	⊗ 30	25	318504
115 x 22	60	⊗ 30	25	316492
115 x 22	80	⊗ 30	25	316493
115 x 22	120	⊗ 30	25	324237
125 x 22	36	⊗ 30	25	316494
125 x 22	40	⊗ 30	25	316495
125 x 22	50	⊗ 30	25	318655
125 x 22	60	⊗ 30	25	316496
125 x 22	80	⊗ 30	25	316497
125 x 22	120	⊗ 30	25	324239
180 x 22	36	⊗ 30	25	316498
180 x 22	40	⊗ 30	25	316499
180 x 22	50	⊗ 30	25	316500
180 x 22	60	⊗ 30	25	316501
180 x 22	80	⊗ 30	25	316502
180 x 22	120	⊗ 30	25	324238

Dispenser see page 99 / Backing pads see page 102

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 93. Please see Applications Guide on page 90 - 93.

Backing pads

Backing pad

ST 358



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

Suitable for disc diameter	Thread/ Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 16	M 10	80 m/s	15,000 rpm	1	305190
100 x 22	M 14	80 m/s	15,000 rpm	1	2774
115 x 22	M 10	80 m/s	13,300 rpm	1	14859
115 x 22	M 14	80 m/s	13,300 rpm	1	14838
125 x 22	M 14	80 m/s	12,200 rpm	1	14835
150 x 22	M 14	80 m/s	10,200 rpm	1	14836
180 x 22	M 14	80 m/s	8,500 rpm	1	14840
235 x 22	M 14	80 m/s	6,600 rpm	1	14841

Backing pad

ST 358 A



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

Suitable for disc diameter	Thread/ Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115	M 14	80 m/s	13,300 rpm	1	126346
125	M 14	80 m/s	12,200 rpm	1	126347
178	M 14	80 m/s	8,500 rpm	1	126348

Notes



Fibre discs





Strips/Sheets/Discs

About the product

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

Applications strips / sheets / discs with paper backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel, stainless steel	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	135
	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. ACT and antistatic properties prevent premature clogging	113, 128
Wood	PS 30 D	Aluminium oxide	D-paper	○	Economical abrasive paper for versatile applications in the processing of wood and paint	113
	PS 19 EK	SiC	E-paper	●	Robust high performance product with stable F-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	129
	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	114
	PS 33 B/C	Aluminium oxide	B/C-paper	○	High quality abrasive paper, especially suited for paint, varnish and filler	115, 121, 133
Paint, varnish, filler	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	116, 137
	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.	129
	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	136
	PS 11 A/C	SiC	A/C-paper	●	High quality, highly flexible, waterproof abrasive paper for working on paint, varnish and filler especially in the car repair sector	111, 112, 128
	PS 8 A/C	SiC	A/C-paper	●	Very flexible, waterproof abrasive paper for processing paint, varnish and filler predominantly in the sector of car repair and body paint	110, 111

Strips / Sheets / Discs

Applications strips / sheets / discs with cloth backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
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	117
	KL 371 X	Aluminium oxide	X-cotton	●	Economical universal product for surface grinding in metal processing	118
	KL 385 JF	Aluminium oxide	JF-cotton	●	Highly flexible universal product for the metal processing industry, good price-performance ratio	119

Applications non-woven web hand pads and discs, abrasive block and abrasive sponge						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Stainless steel	NPA 400	Aluminium oxide / SiC	Non-woven web with polyester lining		Grinding fleece, excellently suited to deburring, cleaning and surface finishing	123
	NDS 800	Aluminium oxide	Non-woven web with polyester lining		Premium non-woven web disc with extra strong edges for demanding applications. Suited to rough cleaning work, deburring and working on weld seams	142
	SV 484	Aluminium oxide	Non-woven web with polyester lining		Standard non-woven web disc, superb value for money for finishing surfaces, slightly contoured surfaces	141
Paint, varnish, filler	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 grinding	124
	SW 501	Aluminium oxide	Sponge	●	Highly flexible hand grinding 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 grinding	124
	SW 502	SiC	Sponge	●	Structure like SW 501, though with more aggressive SiC grit	125

● = close ○ = semi-open ○ = open

Paper		Cloth	
A	approx. 95 g/m ²	X	Cloth, heavy
B	approx. 105 g/m ²	J	Cloth, light
C	approx. 110 g/m ²	JF	Cloth, light, highly flexible
D	approx. 130 g/m ²		
E	approx. 250 g/m ²		
F	approx. 300 g/m ²		

Strips/Sheets/Discs

Applications guide

Strips/Sheets

- ▶ for general use for freehand grinding and sanding 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 grinding
- ▶ paper or cloth backed

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 grinding
- ▶ backings: paper, film and nylon fleece
- ▶ self-fastening products
- ▶ suitable backing plate for angle grinder / orbital sander

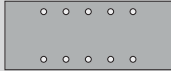
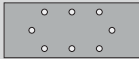






Hole patterns for strips

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 below 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!

	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

Minimum order quantities for made to order items

Product	Backing paper	Backing cloth	Dimensions	Minimum order quantity
Sheets	PS 11 A, PS 11 C, PS 30 D, PL 31 B, PS 33 B, PS 33 C, PS 73 BW	KL 361 JF, KL 371 X, KL 385 JF	230 × 280 mm	250 pieces
			230 × 280 mm	250 pieces
Strips	PS 11 A, PS 11 C; PS 22 F ACT, PS 30 D, PL 31 B	KL 361 JF, CS 310 X	70 × 450 mm	500 pieces
			115 × 140 mm	1.000 pieces
			93 × 230 mm	600 pieces
			115 × 280 mm	500 pieces
Self-fastening products	PS 22 K, PS 33 BK, PS 33 CK, PS 73 BWK		70 mm wide	500 pieces
			80 mm wide	500 pieces
			93 × 230 mm	500 pieces
			100 mm wide	500 pieces
			115 mm wide	500 pieces
Sheets exceeding 230 x 280 mm	PS 22 F ACT	KL 361 JF, CS 310 X	from 230 × 280 mm	100 pieces
Large sheets		CS 411 Y	1400 × 1540 mm	20 pieces

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	blank	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	blank	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	blank	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	blank	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

Continuation →

Strips/Sheets/Discs

Applications guide

Manufacturer	Type	Size in mm	Hole pattern	Design
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, GSS 23, GSS 23 AE, GSS 230 AE, PSS 22, PSS 23, PSS 23 A, PSS 23 AE, PSS 230	93 × 230	GL 9	for clamping
	GSS 140 A	93 × 230	blank	for clamping
	GSS 140 A	115 × 107	GL 37	self-fastening
	1289 D	115 × 115	blank	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	blank	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
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	blank	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	blank	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	blank	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	blank	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	blank	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

Continuation →

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	BO 3700, BO 3711	93 × 230	GL 9	for clamping
	BO 4554, BO 4556, BO 4565, BO 4555, BO 4566	115 × 103	GL 19	self-fastening
	9045 B, 9045 N, 9046, BO 4900V	115 × 230	GL 16	self-fastening
	BO 4556, BO 4558, BO 4555	115 × 140	GL 38	for clamping
	BO 4901, 9046	115 × 280	blank	for clamping
	9046, BO 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	blank	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	blank	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	blank	for clamping
Milwaukee	SR 328, SRE 329, SR 4321, SR 358, SRE 359, SRE 4351 TURBOTEC	115 × 280	GL 11	for clamping
	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	blank	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
	EOS 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	blank	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

Strips and sheets with paper backing

Coated abrasives

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 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	2500
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	180	50	269269
230 x 280	220	50	269275
230 x 280	240	50	269279
230 x 280	280	50	269285
230 x 280	320	50	269289
230 x 280	360	50	269294
230 x 280	400	50	269299
230 x 280	600	50	269314
230 x 280	800	50	269323
230 x 280	1000	50	269328

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and 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 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	Packing unit/pcs.	Cat. number
230 x 280	60	50	269424
230 x 280	80	50	269429
230 x 280	100	50	269435
230 x 280	120	50	269444
230 x 280	150	50	269448

Abrasive paper, waterproof

PS 11 A



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	Packing unit/pcs.	Cat. number
230 x 280	220	50	2002
230 x 280	240	50	2003
230 x 280	280	50	2004
230 x 280	320	50	2005
230 x 280	360	50	2006
230 x 280	400	50	2007
230 x 280	500	50	2008
230 x 280	600	50	2009

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and sheets with paper backing

Coated abrasives

→ Continuation of PS 11 A, Abrasive paper, waterproof

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	800	50	2010
230 x 280	1000	50	11892
230 x 280	1200	50	6616
230 x 280	1500	50	186794
230 x 280	2000	50	186795

Abrasive paper, waterproof

PS 11 C



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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and sheets 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	●	Steel	○
Metals	○	NF metals	○
Paint/Varnish/Filler	○		
Plastic	○		

Advantages: Premium product for hardwood - Good edge stability - Reduced clogging due to ACT recipe 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	Packing unit/pcs.	Cat. number
115 x 280	40	100	6529
115 x 280	60	100	6531
115 x 280	80	100	6532
115 x 280	100	100	6533
115 x 280	120	100	6534

Abrasive paper

PS 30 D



Properties

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

Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	○

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
115 x 280	40	100	194671
115 x 280	60	100	194673
115 x 280	80	100	194674
115 x 280	100	100	194675
115 x 280	120	100	194676
115 x 280	180	100	194679
115 x 280	240	100	194680
230 x 280	40	50	194660

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and sheets with paper backing

Coated abrasives

→ Continuation of PS 30 D, Abrasive paper

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	60	50	194662
230 x 280	80	50	194663
230 x 280	100	50	194664
230 x 280	120	50	194665
230 x 280	150	50	194666
230 x 280	180	50	194667
230 x 280	240	50	194668
230 x 280	320	50	194669

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 - Optimized wear properties for hand grinding and hand-held machine grinding - 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
93 x 230	40		100	2416
93 x 230	60		100	2418
93 x 230	80		100	2419
93 x 230	100		100	2390
93 x 230	120		100	2391
93 x 230	180		100	2393
93 x 230	240		100	2395
93 x 230	40	GL 9	100	2665
93 x 230	60	GL 9	100	2667
93 x 230	80	GL 9	100	2668
93 x 230	100	GL 9	100	2669
93 x 230	120	GL 9	100	2670
93 x 230	180	GL 9	100	2684
115 x 280	40		100	2412
115 x 280	60		100	2414
115 x 280	80		100	2415
115 x 280	100		100	2379
115 x 280	120		100	2380
115 x 280	150		100	2381
115 x 280	180		100	2382
115 x 280	220		100	2383
115 x 280	240		100	2384

Continuation →

Other grits and sizes available on request.







Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and sheets with paper backing

Coated abrasives



→ Continuation of PL 31 B, Finishing paper

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
115 x 280	40	 GL 1	100	5326
115 x 280	60	 GL 1	100	5324
115 x 280	80	 GL 1	100	5323
115 x 280	100	 GL 1	100	5322
115 x 280	120	 GL 1	100	5321
115 x 280	180	 GL 1	100	5319
230 x 280	40		50	2059
230 x 280	50		50	2060
230 x 280	60		50	2061
230 x 280	80		50	2062
230 x 280	100		50	2048
230 x 280	120		50	2049
230 x 280	150		50	2050
230 x 280	180		50	2051
230 x 280	220		50	2052
230 x 280	240		50	2053
230 x 280	280		50	2054
230 x 280	320		50	2055
230 x 280	400		50	2057

Abrasive paper

PS 33 B/PS 33 C



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B/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
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Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	40	50	147849
230 x 280	60	50	147850
230 x 280	80	50	147851
230 x 280	100	50	149719
230 x 280	120	50	147852
230 x 280	150	50	149528
230 x 280	180	50	147853
230 x 280	220	50	149529
230 x 280	240	50	147854
230 x 280	280	50	149793

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and sheets with paper backing

Coated abrasives

→ Continuation of PS 33 B/PS 33 C, Abrasive paper

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
230 x 280	320	50	149530
230 x 280	400	50	148971
230 x 280	500	50	170667
230 x 280	600	50	170668

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and sheets with cloth backing

Coated abrasives



Abrasive cloth, brown

KL 361 JF



Properties

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

Applications:

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

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
115 x 280	40	100	73953
115 x 280	60	100	74436
115 x 280	80	100	72227
115 x 280	100	100	73583
115 x 280	120	100	72488
230 x 280	30	50	2083
230 x 280	40	50	2084
230 x 280	50	50	2085
230 x 280	60	50	2086
230 x 280	80	50	2087
230 x 280	100	50	2088
230 x 280	120	50	2089
230 x 280	150	50	2090
230 x 280	180	50	2091
230 x 280	220	50	2092
230 x 280	240	50	2093
230 x 280	280	50	2094
230 x 280	320	50	2095
230 x 280	360	50	2096
230 x 280	400	50	2097
230 x 280	500	50	2098
230 x 280	600	50	5334

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and 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	●
NF metals	●

Advantages: Attractively priced universal product for surface hand 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	Packing unit/pcs.	Cat. number
230 x 280	40	50	2100
230 x 280	50	50	2101
230 x 280	60	50	2102
230 x 280	80	50	2103
230 x 280	100	50	2104
230 x 280	120	50	2105
230 x 280	150	50	2106
230 x 280	180	50	2107
230 x 280	220	50	2108
230 x 280	240	50	2109
230 x 280	280	50	119885
230 x 280	320	50	119886
230 x 280	360	50	119887
230 x 280	400	50	119888

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips and sheets with cloth backing

Coated abrasives



Abrasive cloth, brown

KL 385 JF



Properties

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

Applications:

Wood	●
Metals	●
NF metals	●
Stainless steel	○

Plastic ○

Advantages: Attractively priced universal product for profile grinding - Optimal adaptation to the workpiece due to maximum 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
230 x 280	40	50	218047
230 x 280	50	50	218048
230 x 280	60	50	218050
230 x 280	80	50	218051
230 x 280	100	50	218052
230 x 280	120	50	218053
230 x 280	150	50	218054
230 x 280	180	50	218055
230 x 280	220	50	218056
230 x 280	240	50	218057
230 x 280	280	50	218058
230 x 280	320	50	218059
230 x 280	400	50	218061
230 x 280	600	50	218063

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

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

Advantages: High removal rate - Homogeneous 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	Packing unit/pcs.	Cat. number
70 x 125	60		100	147593
70 x 125	80		100	140608
70 x 125	100		100	131668
70 x 125	120		100	129801
70 x 125	150		100	135581
70 x 125	180		100	129802
80 x 133	40	GL18	100	149852
80 x 133	60	GL18	100	149853
80 x 133	80	GL18	100	149854
80 x 133	100	GL18	100	149855
80 x 133	120	GL18	100	149857
80 x 133	150	GL18	100	232741
80 x 133	180	GL18	100	232742
80 x 133	220	GL18	100	206371
100 x 115	80		100	103378
100 x 115	100		100	103379
100 x 115	120		100	103380
100 x 115	150		100	103381
115 x 115	80		100	82076
115 x 115	100		100	81638
115 x 115	120		100	81637
115 x 115	150		100	94721
115 x 230	40	GL15	100	122331
115 x 230	60	GL15	100	116647
115 x 230	80	GL15	100	116648
115 x 230	100	GL15	100	116649
115 x 230	120	GL15	100	114942
115 x 230	150	GL15	100	111500

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

PS 33 BK /
PS 33 CK



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B/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
70 x 125	80		100	155072
70 x 125	100		100	151786
70 x 125	120		100	151785
70 x 125	150		100	151784
70 x 125	180		100	148228
70 x 125	220		100	155500
70 x 125	240		100	152381
70 x 125	280		100	197133
80 x 133	40	GL18	100	146974
80 x 133	60	GL18	100	146975
80 x 133	80	GL18	100	146976
80 x 133	100	GL18	100	146977
80 x 133	120	GL18	100	147169
80 x 133	150	GL18	100	149107
80 x 133	180	GL18	100	147479
80 x 133	220	GL18	100	149819
80 x 133	240	GL18	100	148050
80 x 133	320	GL18	100	149897
80 x 133	400	GL18	100	149899
93 x 178	40	GL17	100	146970
93 x 178	60	GL17	100	146971
93 x 178	80	GL17	100	146972
93 x 178	100	GL17	100	146973
93 x 178	120	GL17	100	148046
93 x 178	150	GL17	100	149138
93 x 178	180	GL17	100	148047
93 x 178	240	GL17	100	148048
100 x 115	80		100	147101
100 x 115	100		100	147102
100 x 115	120		100	147103
100 x 115	150		100	148658
100 x 115	180		100	147104
100 x 115	240		100	147105
115 x 230	40	GL15	100	146966

Continuation →










Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Strips with paper backing, self-fastening / Hand block

Coated abrasives

→ Continuation of PS 33 BK / PS 33 CK, Abrasive paper, self-fastening

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
115 x 230	60	 GL15	100	146967
115 x 230	80	 GL15	100	146968
115 x 230	100	 GL15	100	146969
115 x 230	120	 GL15	100	147182
115 x 230	150	 GL15	100	149820
115 x 230	180	 GL15	100	147183
115 x 230	220	 GL15	100	149486
115 x 230	240	 GL15	100	147184
115 x 230	320	 GL15	100	147185

Hand block

HK 100



Advantages: Excellent for flat and slightly convex surfaces - Fatigue-proof hand grinding due to ergonomic form

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 107. Please see Applications Guide on page 104 - 109.

Non-woven web hand pad

NPA 400



Properties

Bonding agent Resin

Applications

Al. oxide:

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

Applications

SiC:

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

Advantages: Outstanding for surface finishing, e.g. adaptation to an existing surface scratch pattern

Width x Length in mm	Grade	Colour	Grain	Packing unit/pcs.	Cat. number
152 x 229	coarse	brown	Aluminium oxide	10	258862
152 x 229	medium	green HD	Aluminium oxide	10	258864
152 x 229	very fine	green	Aluminium oxide	10	258865
152 x 229	very fine	maroon	Aluminium oxide	10	258866
152 x 229	medium	black	SiC	10	258863
152 x 229	ultra fine	grey	SiC	10	258867
152 x 229	without grain	non abrasive white	without grain	10	258868
152 x 229	set	all colours	Al. oxide / SiC	7	258869

Grit	80	120	320	800	Without grain
Grade	coarse	medium	very fine	ultra fine	non-abrasive
Klingspor Non-woven web hand pads	coarse A – brown				
		medium C – black			
			medium HD – green HD		
				general purpose – green	
				very fine A – maroon	
					ultra fine C – grey
					non-abrasive – white

Other grades and sizes available on request.
Please observe: Please see Applications Guide on page 104 - 109.

Abrasive block / Abrasive sponge

Abrasive block, flexible, coated on 4 sides

SK 500



Properties

Grain	Aluminium oxide
Coating	Close

Applications:

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

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	Packing unit/pcs.	Cat. number
100 x 70 x 25	60	100	125279
100 x 70 x 25	80	100	225165
100 x 70 x 25	100	100	125280
100 x 70 x 25	120	100	225166
100 x 70 x 25	180	100	225167
100 x 70 x 25	220	100	225168
100 x 70 x 25	280	100	225169

Abrasive sponge, flexible, coated on 2 sides

SW 501



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

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
123 x 96 x 12,5	120	100	125281
123 x 96 x 12,5	220	100	125282

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 105.

Abrasive sponge, flexible, coated on 2 sides

SW 502



Properties

Grain	SiC
Coating	Close

Applications:

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



Advantages: Glossy 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length x Height in mm	Grit	Packing unit/pcs.	Cat. number
123 x 96 x 12,5	120	100	244377
123 x 96 x 12,5	220	100	244379

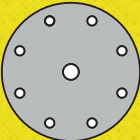
Other grits and sizes available on request.
Please observe: Please see Applications Guide on page 105.

Discs

Applications guide

Hole patterns for discs

Klingspor offers a wide range of products with hole patterns for dust extraction. Which hole pattern you need depends on the machine being used. 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.




GLS 1
Ø 150 mm
8 holes Ø 10 mm
on hole circle Ø 120 mm
+ 1 centre hole Ø 17 mm




GLS 2
Ø 150 mm
8 holes Ø 10 mm
on hole circle Ø 65 mm



GLS 3
Ø 150 mm
6 holes Ø 10 mm
on hole circle Ø 80 mm




GLS 4
Ø 115 mm
8 holes Ø 10 mm
on hole circle Ø 65 mm



GLS 5
Ø 125 mm
8 holes Ø 10 mm
on hole circle Ø 65 mm



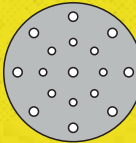
GLS 15
Triangular Ø 96 mm
6 holes Ø 8 mm
on hole circle Ø 52 mm



GLS 24
98 x 148 mm
7 holes Ø 10 mm



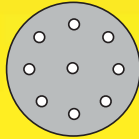
GLS 47
Ø 150 mm
8 holes Ø 9 mm
on hole circle Ø 120 mm,
6 holes Ø 9 mm
on hole circle Ø 80 mm
+ 1 centre hole Ø 17 mm



GLS 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 52
Ø 225 mm
10 holes Ø 12 mm
on hole circle Ø 105 mm



GLS 27
Ø 125 mm
8 holes Ø 10 mm
on hole circle Ø 90 mm
+ 1 centre hole Ø 10 mm

Other hole patterns available on request!

Minimum order quantities for made to order items

Product	Diameter	Backing paper	Minimum order quantities	Backing cloth	Minimum order quantities
Discs	up to 125 mm	PS 11 C, PS 22 F ACT	1.000 pieces	CS 310 X, CS 321 X	1.000 pieces
	up to 200 mm		500 pieces		500 pieces
	up to 400 mm		200 pieces		200 pieces
	up to 600 mm		100 pieces		100 pieces
	over 600 mm		25 pieces		25 pieces
Self-fastening discs	up to 125 mm	PS 21 FK, PS 22 K, PS 33 BK/CK, PS 61 FK PS 73 BWK/CWK FP 73 WK PS 19 EK	1.000 pieces	CS 411 XK	1.000 pieces
	up to 200 mm		500 pieces		500 pieces
	up to 400 mm		200 pieces		200 pieces
	up to 600 mm		100 pieces		100 pieces
	over 600 mm		25 pieces		25 pieces

Orbital and delta sanders

Manufacturer	Type	Size in mm 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
Atlas Copco	EX/E 450	150	GLS 7
	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	ungelocht
	LST 20 R525, LST 20 R550	125	ungelocht
	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	ungelocht
	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, G2438-10Velcro6 Pro, LST 22 R650-9	150	GLS 3
	TXE 150	150	GLS 7
Black & Decker	VP510	96 × 96 × 96	GLS 15
	KA 510	94 × 94 × 94	GLS 15
	KA 165 GT (mouse)		GLS 25
	KA 230 E		GLS 34
Bosch	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
	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	ungelocht
Fein	MSf 636-1, M 10000-5, XS 712	125	GLS 5
	MSf 636-1	150	GLS 26
	MSf 649-2 a/b, M 10000-6	150	GLS 2 (7)
	RÖT 14-200 E	150	GLS 2
	X 1107 VE	150	GLS 3
	RÖT 14-200 E	200	GLS 3
Felisatti	TP 521/AS, TP 521/E, TP 522 AS/CE, RGF 150/600 E	150	GLS 3

Manufacturer	Type	Size in mm 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
	RO 125 FEQ-Plus	125	GLS 27
Flex	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
	Multi-Jetstream (8+8+1)	150	GLS 51
	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
Hitachi	WFE 150, WFE 380, WFE 450 E	150	GLS 3
HOLZ HER	FSV 13 Y, TSV 13 Y, SV 13 YA	125	GLS 5
	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
Mafell	900 MPS, 900 HEX /2	150	GLS 3
	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
Milwaukee	SX E 425 XL, SX E 450 Duo, SXE 450 TURBOTEC,	150	GLS 3
	PDS 13, FS 2 D	98 × 148	GLS 24
	PRS 125 E	125	GLS 5
Peugeot	ROS 150 E	150	GLS 3
	PAE 115	115	GLS 4
Pro Tool	PRX 150 E	150	GLS 3
Ryobi	ESP 150 E	150	GLS 3
SKIL	ERO 2412V, CRO 180M, ROS 300 A, CRO 180 MHG	125	GLS 5
	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

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

Applications:

Paint/Varnish/Filler	●
Metals	●
Glass/Stone	○
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 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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All sizes and minimum purchasing quantities available on request

Abrasive paper

PS 22 F ACT



Properties

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

Applications:

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

Advantages: Premium product for hardwood - Reduced clogging due to ACT recipe 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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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
180 x 22	40	⊗ 30	50	115022
180 x 22	60	⊗ 30	50	120109
180 x 22	80	⊗ 30	50	115020
180 x 22	100	⊗ 30	50	120110

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

PS 19 EK



NEW



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 - Resistant high-performance disc with a stable F-paper backing for rough, intermediate and finish 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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All sizes and minimum purchasing quantities available on request

Abrasive paper, self-fastening

PS 21 FK



Properties

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

Applications:

Steel	●
Stainless steel	●
Metals	●

Advantages: Aggressive abrasive behavior due to self-sharpening alumina zirconia - Optimal recipe for rough grinding and finish grinding 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
115	40	○ 0	50	237224
115	60	○ 0	50	248808
115	80	○ 0	50	249326
115	120	○ 0	50	249327
115	150	○ 0	50	248809
115	240	○ 0	50	255347
125	40	○ 0	50	246857
125	60	○ 0	50	237780
125	80	○ 0	50	237781
125	120	○ 0	50	237782
125	150	○ 0	50	255348
125	240	○ 0	50	237785
150	40	○ 0	50	230312

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

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
150	60	○ 0	50	230313
150	80	○ 0	50	230314
150	120	○ 0	50	246488
150	150	○ 0	50	239244
150	240	○ 0	50	251509

Abrasive paper, self-fastening

PS 22 K



Properties

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

Applications:

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

Advantages: Universal abrasive disc for metalworking and woodworking - Homogeneous 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
96	40	△ GLS15	50	142134
96	60	△ GLS15	50	142135
96	80	△ GLS15	50	142136
96	100	△ GLS15	50	145055
96	120	△ GLS15	50	142137
96	150	△ GLS15	50	146336
96	180	△ GLS15	50	142138
96	240	△ GLS15	50	142139
115	24	○ 0	50	6754
115	40	○ 0	50	2785
115	60	○ 0	50	2786
115	80	○ 0	50	6756
115	100	○ 0	50	2787
115	120	○ 0	50	6757
115	150	○ 0	50	80046
115	180	○ 0	50	2788
115	220	○ 0	50	88330
115	240	○ 0	50	88333
115	320	○ 0	50	95561
115	400	○ 0	50	111470
115	40	⊙ GLS4	50	82938
115	60	⊙ GLS4	50	82940
115	80	⊙ GLS4	50	82941
115	100	⊙ GLS4	50	82942
115	120	⊙ GLS4	50	82944

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

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
115	180	⊙ GLS4	50	82946
115	240	⊙ GLS4	50	87424
125	24	○ 0	50	7300
125	40	○ 0	50	2294
125	60	○ 0	50	2295
125	80	○ 0	50	6774
125	100	○ 0	50	2296
125	120	○ 0	50	6775
125	150	○ 0	50	78163
125	180	○ 0	50	62107
125	220	○ 0	50	97176
125	240	○ 0	50	91922
125	320	○ 0	50	93284
125	400	○ 0	50	130114
125	24	⊙ GLS5	50	89485
125	40	⊙ GLS5	50	89486
125	60	⊙ GLS5	50	89488
125	80	⊙ GLS5	50	89489
125	100	⊙ GLS5	50	89491
125	120	⊙ GLS5	50	89493
125	150	⊙ GLS5	50	89494
125	180	⊙ GLS5	50	89495
125	220	⊙ GLS5	50	90758
125	240	⊙ GLS5	50	92753
125	320	⊙ GLS5	50	89496
125	400	⊙ GLS5	50	104778
125	40	⊙ GLS27	50	260795
125	60	⊙ GLS27	50	260796
125	80	⊙ GLS27	50	260797
125	100	⊙ GLS27	50	260798
125	120	⊙ GLS27	50	260799
125	150	⊙ GLS27	50	260800
125	180	⊙ GLS27	50	260801
125	240	⊙ GLS27	50	260802
150	24	○ 0	50	2474
150	40	○ 0	50	20207
150	60	○ 0	50	6649
150	80	○ 0	50	6936
150	100	○ 0	50	6697
150	120	○ 0	50	6937
150	150	○ 0	50	71140
150	180	○ 0	50	4022
150	220	○ 0	50	93324
150	240	○ 0	50	91605
150	320	○ 0	50	91721
150	400	○ 0	50	129092
150	24	⊙ GLS1	50	6516
150	40	⊙ GLS1	50	6520
150	60	⊙ GLS1	50	6523
150	80	⊙ GLS1	50	6524
150	100	⊙ GLS1	50	6525

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

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
150	120	⊙ GLS1	50	6526
150	150	⊙ GLS1	50	80722
150	180	⊙ GLS1	50	6611
150	220	⊙ GLS1	50	98990
150	240	⊙ GLS1	50	89451
150	320	⊙ GLS1	50	89450
150	400	⊙ GLS1	50	129389
150	40	⊙ GLS2	50	74088
150	60	⊙ GLS2	50	72633
150	80	⊙ GLS2	50	72632
150	100	⊙ GLS2	50	73490
150	120	⊙ GLS2	50	72628
150	150	⊙ GLS2	50	79862
150	180	⊙ GLS2	50	72624
150	240	⊙ GLS2	50	91814
150	24	⊙ GLS3	50	93321
150	40	⊙ GLS3	50	89181
150	60	⊙ GLS3	50	86634
150	80	⊙ GLS3	50	86635
150	100	⊙ GLS3	50	97072
150	120	⊙ GLS3	50	86636
150	150	⊙ GLS3	50	86637
150	180	⊙ GLS3	50	87528
150	220	⊙ GLS3	50	100157
150	240	⊙ GLS3	50	97778
150	320	⊙ GLS3	50	97779
150	400	⊙ GLS3	50	128356
150	40	⊙ GLS51	50	306611
150	60	⊙ GLS51	50	306612
150	80	⊙ GLS51	50	305559
150	100	⊙ GLS51	50	306507
150	120	⊙ GLS51	50	305560
150	150	⊙ GLS51	50	306508
150	180	⊙ GLS51	50	306509
150	240	⊙ GLS51	50	309471
180	24	○ 0	50	2782
180	40	○ 0	50	2476
180	60	○ 0	50	2477
180	80	○ 0	50	6914
180	100	○ 0	50	2783
180	120	○ 0	50	6915
200	40	○ 0	50	77659
200	60	○ 0	50	77660
200	80	○ 0	50	77656
200	100	○ 0	50	77658
200	120	○ 0	50	77661

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

**PS 33 BK /
PS 33 CK**



Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Semi-open
Backing	B/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
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
96	40	△ GLS15	100	147163
96	60	△ GLS15	100	147164
96	80	△ GLS15	100	147165
96	100	△ GLS15	100	147166
96	120	△ GLS15	100	148195
98 x 148	60	△ GLS24	100	215473
98 x 148	80	△ GLS24	100	215474
98 x 148	100	△ GLS24	100	215475
98 x 148	120	△ GLS24	100	215476
115	40	○ 0	100	147701
115	60	○ 0	100	148469
115	80	○ 0	100	147144
115	100	○ 0	100	150379
115	120	○ 0	100	146955
125	40	○ 0	100	154113
125	60	○ 0	100	147604
125	80	○ 0	100	149055
125	100	○ 0	100	150431
125	120	○ 0	100	150433
125	40	⊗ GLS5	100	146954
125	60	⊗ GLS5	100	147642
125	80	⊗ GLS5	100	147643
125	100	⊗ GLS5	100	147977
125	120	⊗ GLS5	100	147170
125	150	⊗ GLS5	100	150760
125	180	⊗ GLS5	100	147837
125	240	⊗ GLS5	100	147838
150	40	○ 0	100	147922
150	60	○ 0	100	147107
150	80	○ 0	100	146739
150	100	○ 0	100	147106
150	120	○ 0	100	146740
150	150	○ 0	100	148375
150	180	○ 0	100	146958

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

Discs with paper backing, self-fastening

Coated abrasives

→ Continuation of PS 33 BK / PS 33 CK, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
150	220	○ 0	100	149916
150	240	○ 0	100	146959
150	320	○ 0	100	146716
150	400	○ 0	100	147108
150	40	⊗ GLS1	100	146978
150	60	⊗ GLS1	100	146979
150	80	⊗ GLS1	100	143130
150	100	⊗ GLS1	100	143131
150	120	⊗ GLS1	100	147093
150	150	⊗ GLS1	100	148379
150	180	⊗ GLS1	100	147095
150	220	⊗ GLS1	100	149794
150	240	⊗ GLS1	100	147094
150	320	⊗ GLS1	100	147096
150	400	⊗ GLS1	100	147097
150	60	⊗ GLS2	100	147226
150	80	⊗ GLS2	100	143132
150	100	⊗ GLS2	100	143133
150	120	⊗ GLS2	100	147225
150	150	⊗ GLS2	100	148377
150	180	⊗ GLS2	100	147224
150	240	⊗ GLS2	100	147280
150	320	⊗ GLS2	100	147721
150	40	⊗ GLS3	100	147647
150	60	⊗ GLS3	100	147124
150	80	⊗ GLS3	100	146946
150	100	⊗ GLS3	100	143694
150	120	⊗ GLS3	100	146947
150	150	⊗ GLS3	100	149151
150	180	⊗ GLS3	100	146948
150	220	⊗ GLS3	100	149255
150	240	⊗ GLS3	100	146907
150	320	⊗ GLS3	100	147126
150	400	⊗ GLS3	100	147125
150	40	⊗ GLS51	100	310531
150	60	⊗ GLS51	100	301874
150	80	⊗ GLS51	100	301925
150	100	⊗ GLS51	100	301926
150	120	⊗ GLS51	100	301927
150	150	⊗ GLS51	100	301928
150	180	⊗ GLS51	100	304084
150	220	⊗ GLS51	100	301929
150	240	⊗ GLS51	100	304815
150	320	⊗ GLS51	100	301930
150	400	⊗ GLS51	100	310898
225	40	○ 0	50	223162
225	60	○ 0	50	210124
225	80	○ 0	50	210129
225	100	○ 0	50	224731
225	120	○ 0	50	210130
225	40	⊗ GLS52	50	302042

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

Discs with paper backing, self-fastening

Coated abrasives



→ Continuation of PS 33 BK / PS 33 CK, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
225	60	⊙ GLS52	50	302043
225	80	⊙ GLS52	50	302044
225	100	⊙ GLS52	50	302045
225	120	⊙ GLS52	50	302046
225	220	⊙ GLS52	50	302049

Abrasive paper, self-fastening

PS 61 FK



NEW



Properties

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

Applications:

Stainless steel	●
Steel	●
Wood	○

Advantages: Continuously aggressive abrasive performance - High-performance abrasive disc for stainless steel grinding - Also very good results in repair grinding 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
125	60	○ 0	50	322468
125	80	○ 0	50	321597
125	120	○ 0	50	322469
125	150	○ 0	50	322470
125	180	○ 0	50	322471
150	60	○ 0	50	322036
150	80	○ 0	50	321325
150	120	○ 0	50	322472
150	150	○ 0	50	322473
150	180	○ 0	50	321797

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

Discs 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 of the discs with excellent grit adhesion also in the edge area - 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
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Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
150	80	⊗ GLS47	100	320641
150	100	⊗ GLS47	100	320642
150	120	⊗ GLS47	100	320643
150	150	⊗ GLS47	100	320644
150	180	⊗ GLS47	100	320725
150	240	⊗ GLS47	100	320726
150	320	⊗ GLS47	100	320727
150	400	⊗ GLS47	100	320728
150	500	⊗ GLS47	100	320735
150	600	⊗ GLS47	100	320729
150	800	⊗ GLS47	100	320730
150	1000	⊗ GLS47	100	320731
150	1200	⊗ GLS47	100	320732
150	1500	⊗ GLS47	100	320733

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, active coated, self fastening

**PS 73 BWK /
PS 73 CWK**



Properties

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

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
150	40	○ 0	100	301231
150	60	○ 0	100	301232
150	80	○ 0	100	301233
150	100	○ 0	100	301234
150	120	○ 0	100	301235
150	150	○ 0	100	301236
150	180	○ 0	100	301237
150	220	○ 0	100	301238
150	240	○ 0	100	301239
150	320	○ 0	100	301240
150	400	○ 0	100	301241
150	500	○ 0	100	301937
150	800	○ 0	100	301886
150	1000	○ 0	100	301891
150	40	⊗ GLS1	100	301205
150	60	⊗ GLS1	100	301206
150	80	⊗ GLS1	100	301207
150	100	⊗ GLS1	100	301208
150	120	⊗ GLS1	100	301209
150	150	⊗ GLS1	100	301210
150	180	⊗ GLS1	100	301211
150	220	⊗ GLS1	100	301212
150	240	⊗ GLS1	100	301213
150	320	⊗ GLS1	100	301214
150	400	⊗ GLS1	100	301215
150	500	⊗ GLS1	100	301216
150	600	⊗ GLS1	100	301217
150	800	⊗ GLS1	100	301890
150	40	⊗ GLS3	100	301218
150	60	⊗ GLS3	100	301219
150	80	⊗ GLS3	100	301220
150	100	⊗ GLS3	100	301221
150	120	⊗ GLS3	100	301222
150	150	⊗ GLS3	100	301223

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

Discs with paper backing, self-fastening

Coated abrasives

→ Continuation of PS 73 BWK / PS 73 CWK, Abrasive paper, active coated, self fastening

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
150	180	⊙ GLS3	100	301224
150	220	⊙ GLS3	100	301225
150	240	⊙ GLS3	100	301226
150	320	⊙ GLS3	100	301227
150	400	⊙ GLS3	100	301228
150	500	⊙ GLS3	100	301229
150	600	⊙ GLS3	100	301230
150	800	⊙ GLS3	100	301889
150	40	⊙ GLS47	100	301810
150	60	⊙ GLS47	100	301811
150	80	⊙ GLS47	100	301812
150	100	⊙ GLS47	100	301813
150	120	⊙ GLS47	100	301814
150	150	⊙ GLS47	100	301855
150	180	⊙ GLS47	100	301856
150	220	⊙ GLS47	100	301857
150	240	⊙ GLS47	100	301858
150	320	⊙ GLS47	100	301859
150	400	⊙ GLS47	100	301860
150	500	⊙ GLS47	100	301861
150	600	⊙ GLS47	100	301862
150	80	⊙ GLS51	100	310524
150	100	⊙ GLS51	100	309470
150	120	⊙ GLS51	100	310478
150	150	⊙ GLS51	100	310479
150	180	⊙ GLS51	100	310525
150	220	⊙ GLS51	100	310526
150	240	⊙ GLS51	100	309093
150	320	⊙ GLS51	100	309094
150	400	⊙ GLS51	100	310527

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 126. Please see Applications Guide on page 105, 126 - 127.

Backing pad

HST 359



Advantages: Good adhesion for all velour-coated abrasive discs - For medium-duty rough grinding and polishing

Diameter in mm	Thread/ Shaft	Packing unit/pcs.	Cat. number
115	M 10	1	70432
115	M 14	1	70433
115	8 mm	1	6874
125	M 14	1	70434
125	8 mm	1	70435
150	M 14	1	70436
180	M 14	1	73066

Multi-hole backing pad for random orbital sanders

HST 555



Advantages: Very good adhesion for all velour-coated discs due to fine, heat-resistant self-fastening coating - For all standard hole patterns, also for net-like and diverse multi-hole patterns - Compatible with all standard orbital sanders

Diameter in mm	Mounting	Density	Packing unit/pcs.	Cat. number
150	M 8 / 5/16", spacer discs, Festool adaptor	soft	1	320488
150	M 8 / 5/16", spacer discs, Festool adaptor	medium	1	320489
150	M 8 / 5/16", spacer discs, Festool adaptor	hard	1	320587

Backing pads

Multi-hole backing pad for random orbital sanders

HST 555



Advantages: Very good adhesion for all velour-coated discs due to fine, heat-resistant self-fastening coating - For all standard hole patterns, also for net-like and diverse multi-hole patterns - Self-fastening backing pad compatible with BOSCH GEX-150 series

Diameter in mm	Mounting	Density	Packing unit/pcs.	Cat. number
150	M 8	medium	1	320490

Non-woven web

SV 484



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

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



Advantages: Universal disc with outstanding price-performance ratio - Soft and elastic 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Grade	Packing unit/pcs.	Cat. number
115	80	coarse	10	104134
115	100	medium	10	104135
115	180	medium	10	104138
115	280	very fine	10	104139
125	80	coarse	10	104136
125	100	medium	10	104137
125	180	medium	10	104140
125	280	very fine	10	104141

Other grits/grades and sizes available on request.
Please observe: Please see Applications Guide on page 105.

Non-woven web discs / Backing pads

Non-woven web disc

NDS 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

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

Advantages: High edge stability - Aggressive abrasive behavior - 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Grade	Colour	Packing unit/pcs.	Cat. number
115	60	coarse	brown	10	258430
115	120	medium	red	10	258431
115	180	very fine	blue	10	258432
125	60	coarse	brown	10	258433
125	120	medium	red	10	258434
125	180	very fine	blue	10	258445

Backing pad

NDS 555



Advantages: Good adhesion for non-woven web discs - For medium-duty rough grinding and polishing

Diameter in mm	Thread/ Shaft	Packing unit/pcs.	Cat. number
115	M 14	1	164100
125	M 14	1	208275

Other grits/grades and sizes available on request.
Please observe: Please see Applications Guide on page 105.

Notes

Strips / Sheets /
Discs



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
- ▶ Mold construction
- ▶ Container and apparatus construction
- ▶ Model building / model making

Advantages:

- ▶ Simple and fast disc changes reduce set-up times
- ▶ No clip or Velcro so no slipping or release caused by heat
- ▶ Disc stays centered
- ▶ 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	148, 152
	QMC/QRC 411	Zirconia alumina	●	High stock removal rate for rough grinding and deburring of stainless steel and steel	149, 153
	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	150, 154
	QMC/QRC 910	Ceramic aluminium oxide	●	Extremely sharp ceramic grain for highest aggressivity and multibond for cool grinding	150, 154
	QMC/QRC 400	Aluminium oxide		Soft non-woven web disc for finishing and cleaning work	151, 155
	QMC/QRC 800	Aluminium oxide		Firm surface conditioning disc for cleaning and light deburring work, blending and processing of grinding marks	151, 155

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

QCD	Diameter	Minimum order quantities
<i>QRC/QMC 800</i>	38 mm	400 pieces
	50 mm	350 pieces
	76 mm	350 pieces
<i>QRC/QMC 400</i>	38 mm	700 pieces
	50 mm	500 pieces
	76 mm	375 pieces

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.



Quick Change Discs

Quick Metal Connect

Quick Change Disc

QMC 412

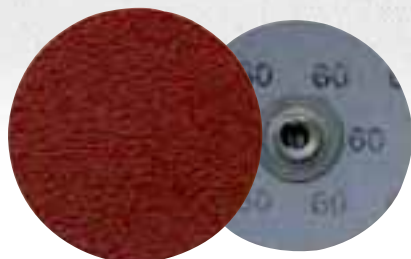


Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

Applications:

Metals	●
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
38	36	100	295174
38	60	100	295177
38	80	100	295178
38	120	100	295180
50	36	100	295196
50	40	100	295197
50	50	100	295198
50	60	100	295199
50	80	100	295200
50	100	100	295201
50	120	100	295202
50	180	100	295204
50	240	100	295205
50	320	100	295206
76	60	50	295221
76	80	50	295222
76	100	50	295223
76	120	50	295224
76	180	50	295226

Backing pad see page 152

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 146. Please see Applications Guide on page 144 - 147.

Quick Change Discs

Quick Metal Connect



Quick Change Disc

QMC 411

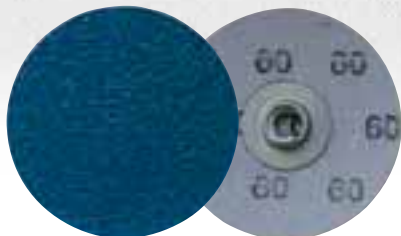


Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications:

Stainless steel	●
Metals	●



Advantages: Aggressive abrasive behavior 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
50	36	100	295300
50	40	100	295301
50	50	100	295302
50	60	100	295303
50	80	100	295304
50	120	100	295305
76	36	50	295312
76	60	50	295315
76	80	50	295316

Backing pad see page 152

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 146. Please see Applications Guide on page 144 - 147.

Quick Change Discs

Quick Metal Connect

Quick Change Disc

QMC 409

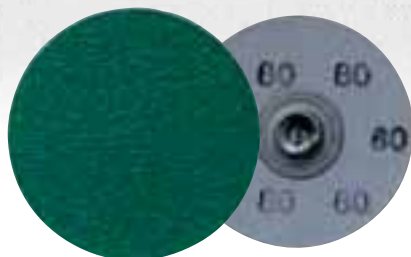


Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications:

Stainless steel	●
Metals	●



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

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
50	36	100	295334
50	40	100	295335
50	60	100	295337
50	80	100	295338
50	120	100	295339

Backing pad see page 152

Quick Change Disc

QMC 910

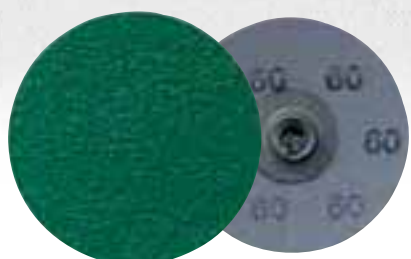


Properties

Bonding agent	Resin
Grain	Ceramic Al. 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number
38	60	100	295359
38	80	100	295360
50	36	100	295366
50	40	100	295367
50	50	100	295368
50	60	100	295369
50	80	100	295370

Backing pad see page 152

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 146. Please see Applications Guide on page 144 - 147.

Quick Change Discs

Quick Metal Connect



Quick Change Disc

QMC 400



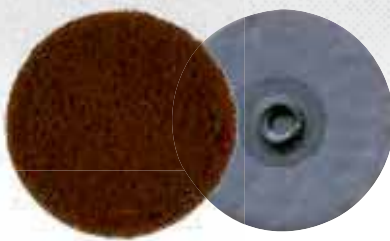
Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

Paint/Varnish/Filler	●
Metals	○

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



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

Backing pad see page 152

Quick Change Disc

QMC 800



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

Metals	●
Paint/Varnish/Filler	○

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



Diameter in mm	Grade	Packing unit/pcs.	Cat. number
38	very fine	100	295406
50	coarse	50	295410
50	medium	50	295411
50	very fine	50	295412
76	coarse	25	295416
76	medium	25	295417
76	very fine	25	295418

Backing pad see page 152

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 146. Please see Applications Guide on page 144 - 147.

Quick Change Discs

Quick Metal Connect / Quick Roll Connect

Backing pad

QMC 555

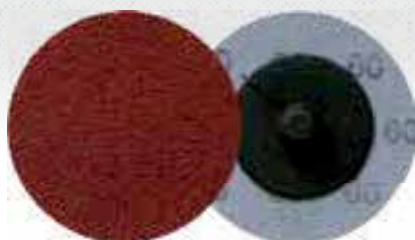


Advantages: For secure mounting of QMC discs - Optimized abrasive properties (aggressiveness, surface quality) due to three hardnesses

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number
25 x 6	soft	Grey	30,000 rpm	1	300056
25 x 6	medium	Blue	30,000 rpm	1	295422
38 x 6	soft	Grey	30,000 rpm	1	300058
38 x 6	medium	Blue	30,000 rpm	1	295424
38 x 6	firm	Red	30,000 rpm	1	300059
50 x 6	soft	Grey	30,000 rpm	1	300060
50 x 6	medium	Blue	30,000 rpm	1	295426
50 x 6	firm	Red	30,000 rpm	1	295427
76 x 6	soft	Grey	20,000 rpm	1	300061
76 x 6	medium	Blue	20,000 rpm	1	295430
76 x 6	firm	Red	20,000 rpm	1	295431

Quick Change Disc

QRC 412



Properties

Bonding agent Resin	
Grain	Aluminium oxide
Coating	Close

Applications:

Metals	●
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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number
50	36	100	295207
50	40	100	295208
50	60	100	295210
50	80	100	295211

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 146. Please see Applications Guide on page 144 - 147.

Quick Change Discs

Quick Roll Connect



→ Continuation of QRC 412, Quick Change Disc

Diameter in mm	Grit	Packing unit/pcs.	Cat. number
50	120	100	295213
76	36	50	295229
76	60	50	295232
76	80	50	295233
76	120	50	295235

Backing pad see page 156

Quick Change Disc

QRC 411



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications:

Stainless steel	●
Metals	●



Advantages: Aggressive abrasive behavior 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
50	36	100	295306
50	40	100	295307
50	60	100	295309
50	80	100	295310
50	120	100	295311
76	36	50	295318
76	60	50	295321
76	80	50	295322

Backing pad see page 156

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 146. Please see Applications Guide on page 144 - 147.

Quick Change Discs

Quick Roll Connect

Quick Change Disc

QRC 409



Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

Applications:

Stainless steel	●
Metals	●



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

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
50	36	100	295340
50	60	100	295343
50	80	100	295344
50	120	100	295345

Backing pad see page 156

Quick Change Disc

QRC 910



Properties

Bonding agent	Resin
Grain	Ceramic Al. 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number
50	40	100	295372
50	60	100	295374
50	80	100	295375

Backing pad see page 156

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 146. Please see Applications Guide on page 144 - 147.

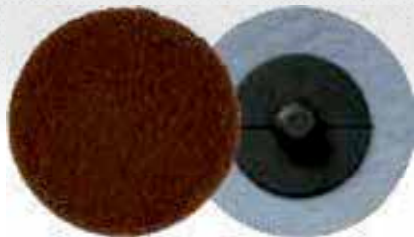
Quick Change Discs

Quick Roll Connect



Quick Change Disc

QRC 400



Properties

Bonding agent Resin	
Grain	Aluminium oxide

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 156

Quick Change Disc

QRC 800



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications:

Metals	●
Paint/Varnish/Filler	○

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

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

Backing pad see page 156

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 146. Please see Applications Guide on page 144 - 147.

Quick Change Discs

Backing pad

Backing pad

QRC 555



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

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number
25 x 6	medium	Blue	30,000 rpm	1	295423
38 x 6	medium	Blue	30,000 rpm	1	295425
50 x 6	medium	Blue	30,000 rpm	1	295428
50 x 6	firm	Red	30,000 rpm	1	295429
76 x 6	medium	Blue	20,000 rpm	1	295432
76 x 6	firm	Red	20,000 rpm	1	295433



A large grid of small squares, resembling graph paper, intended for taking notes.



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:



Stroke grinders



Angle grinders



Flexible shafts



Drilling machines



Floor stand grinders

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	Stroke grinder	Automatic grinders	Floor stand grinders
SM 611	164, 173	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	
SM 611 W	166	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	
SM 611 H	166	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	
MM 630	168	●	○		○		○	○				●	●	●	●	○	●	●	●			
MM 650	167	●	●	○	○	○	○	●		○		●	●	●	●	○	●		●		●	
WSM 617	169	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●	○					●
FSR 618	170	●	○	●	●	●	●	●	●	●	○	○	○	○	○	○	●			●	●	
NCW 600	171, 173	●	●	●	●	●	●	●	●	●						○	●		●			
NFW 600	171, 174	●	●	●	●	●	●	●	●	●												

● = main application ○ = possible application

Abrasive mop wheels

Applications guide

Mounting

Abrasive mop wheels SM 611, MM 650, Abrasive cloth mop wheels NCW/NFW 600

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.

ATTENTION: Mop wheels are only to be mounted with SMD 612. The metal side mounting plate bore hole is not suitable for mounting!

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

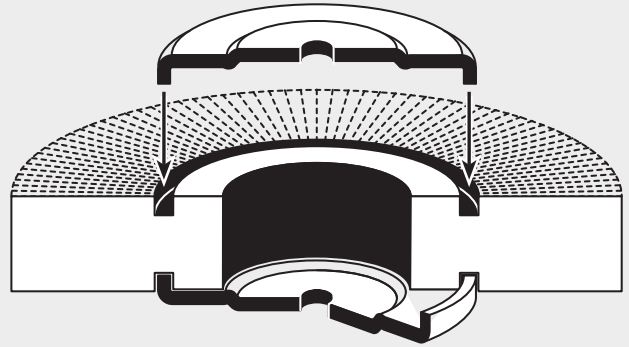
This abrasive mop wheel is equipped with a Ø 25.4 mm mounting bore hole and can be mounted to a machine without the use of a mounting plate.

Abrasive flap drum SM 611, Abrasive mop drum NCW / NFW 600

These drums are equipped with mounting bore holes starting from 19 mm for all standard satin finishing machines with the corresponding machine spindles.

WSM 617

WSM 617 is a second generation abrasive mop wheel with integrated M14 and 5/8" internal threads. This wheel can be mounted and demounted to an angle grinder without the use of any additional tools.



Minimum order quantities for made to order items

Product	Diameter in mm	Minimum order quantities
SM 611 SM 611 W	100–165	20 pieces
	200–300	10 pieces
	350–410	4 pieces
NFW 600 / NCW 600	100–165	20 pieces
	200–300	10 pieces
	350–410	4 pieces

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

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 rougher than that used with a belt grinder.



**Abrasive mop wheel
40 grit**

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



Abrasive belt 40 grit

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

Flap Profiling

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.

Attention! 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 work piece.

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- \varnothing [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

Packet assembling

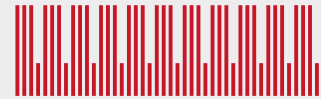
Another way to influence the grinding result is packet assembling. During packet assembling an intermediate layer is stamped between the cloth flaps. This creates space between the individual flaps, which influences the grinding behaviour of the wheel. The higher the ratio of grinding flaps to intermediate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

The standard abrasive mop wheel is manufactured without packet assembling.

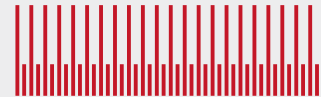
Exception: Starting at a diameter of ≥ 250 mm, a width of ≥ 50 mm, and a grit size 220 and finer, abrasive mop wheels are manufactured with a packet assembly ratio of 5:1.



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	rougher	longer
Tool / grinding pressure	high	increases	rougher	shorter
	marginal	decreases	finer	longer
Grit size	rough	increases	rougher	shorter
	fine	decreases	finer	longer
Grinding aids (oils, lubricants)	without	increases	rougher	shorter
	with	decreases	finer	longer

* Note: the essential parameters that affect the stock removal rate is the selection of a rougher (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 safety gloves to protect hands



Wear a dust mask



Observe safety instructions



Use ear muffs



Do not use for wet grinding

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 in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
100 x 30	40	9,500 rpm	5	12000
100 x 30	60	9,500 rpm	5	12002
100 x 30	80	9,500 rpm	5	12003
100 x 30	120	9,500 rpm	5	12005
100 x 30	180	9,500 rpm	5	12007
140 x 50	40	6,800 rpm	3	12060
140 x 50	60	6,800 rpm	3	12062
140 x 50	80	6,800 rpm	3	12063
140 x 50	120	6,800 rpm	3	12065
165 x 25	40	5,800 rpm	5	12075
165 x 25	60	5,800 rpm	5	12077
165 x 25	80	5,800 rpm	5	12078
165 x 25	100	5,800 rpm	5	12079
165 x 25	120	5,800 rpm	5	12080
165 x 25	150	5,800 rpm	5	12081
165 x 25	180	5,800 rpm	5	12082
165 x 25	240	5,800 rpm	5	12084
165 x 30	40	5,800 rpm	5	12090
165 x 30	60	5,800 rpm	5	12092
165 x 30	80	5,800 rpm	5	12093
165 x 30	120	5,800 rpm	5	12095
165 x 30	180	5,800 rpm	5	12097
165 x 50	40	5,800 rpm	3	12105
165 x 50	50	5,800 rpm	3	12106
165 x 50	60	5,800 rpm	3	12107
165 x 50	80	5,800 rpm	3	12108
165 x 50	100	5,800 rpm	3	12109
165 x 50	120	5,800 rpm	3	12110
165 x 50	150	5,800 rpm	3	12111
165 x 50	180	5,800 rpm	3	12112
165 x 50	240	5,800 rpm	3	12114
165 x 50	320	5,800 rpm	3	12116
200 x 25	120	4,800 rpm	5	12140
200 x 50	40	4,800 rpm	3	12165

Use only with mounting plate SMD 612!

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Abrasive mop wheels

Abrasive mop



→ Continuation of SM 611, Abrasive mop

Diameter x Width in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
200 x 50	60	4,800 rpm	3	12167
200 x 50	80	4,800 rpm	3	12168
200 x 50	120	4,800 rpm	3	12170
250 x 25	60	3,800 rpm	2	12197
250 x 25	80	3,800 rpm	2	12198
250 x 25	120	3,800 rpm	2	12200
250 x 30	60	3,800 rpm	2	12212
250 x 30	80	3,800 rpm	2	12213
250 x 30	240	3,800 rpm	2	12219
250 x 50	40	3,800 rpm	1	12225
250 x 50	60	3,800 rpm	1	12227
250 x 50	80	3,800 rpm	1	12228
250 x 50	120	3,800 rpm	1	12230
250 x 50	180	3,800 rpm	1	12232
250 x 50	220	3,800 rpm	1	12233
250 x 50	240	3,800 rpm	1	12234
250 x 50	320	3,800 rpm	1	12236
300 x 50	40	3,200 rpm	1	12285
300 x 50	60	3,200 rpm	1	12287
300 x 50	80	3,200 rpm	1	12288
300 x 50	120	3,200 rpm	1	12290
300 x 50	180	3,200 rpm	1	12292
300 x 50	240	3,200 rpm	1	12294
300 x 50	320	3,200 rpm	1	12296

Use only with mounting plate SMD 612!

Mounting plate for SM 611

SMD 612



Advantages: Secure mounting of the abrasive mop SM 611

Mop diameter in mm	Dimension mountig plate Outside Ø x Bore in mm	Max. enlargement of bore Ø in mm	Packing unit/pcs.	Cat. number
100 + 140	55 x 10	20	2	14821
165	79 x 12	40	2	14823
200 + 250	121 x 14	50	2	14824
300	155 x 20	50	2	14826
350	201 x 25	80	2	14827
380 + 410	228 x 25,4	80	2	14829

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Abrasive mop wheels

Abrasive mop

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:

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. RPM			Packing unit/pcs.					Cat. number								
165 x 25 x 25,4					40			5,800 rpm			5					221597								
165 x 25 x 25,4					60			5,800 rpm			5					221596								
165 x 25 x 25,4					80			5,800 rpm			5					221595								
165 x 25 x 25,4					120			5,800 rpm			5					221593								
165 x 25 x 25,4					180			5,800 rpm			5					221591								

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. RPM					Packing unit/pcs.					Cat. number				
165 x 25 x 13					40					5,800 rpm					5					10030				
165 x 25 x 13					60					5,800 rpm					5					10005				
165 x 25 x 13					80					5,800 rpm					5					10004				
165 x 25 x 13					120					5,800 rpm					5					10006				
165 x 25 x 13					240					5,800 rpm					5					10027				
165 x 50 x 13					40					5,800 rpm					3					10022				
165 x 50 x 13					60					5,800 rpm					3					10017				

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Abrasive mop wheels

Abrasive mop



→ Continuation of SM 611 H, Abrasive mop

Diameter x Width x Bore in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
165 x 50 x 13	80	5,800 rpm	3	10018
165 x 50 x 13	120	5,800 rpm	3	15990
165 x 50 x 13	180	5,800 rpm	3	10014
165 x 50 x 13	240	5,800 rpm	3	10009

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 in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
250 x 50	80	2,300 rpm	2	2750
250 x 50	100	2,300 rpm	2	2486
250 x 50	120	2,300 rpm	2	2485
250 x 50	150	2,300 rpm	2	2483
250 x 50	180	2,300 rpm	2	2482
250 x 100	80	2,300 rpm	1	10210
250 x 100	120	2,300 rpm	1	2740
250 x 100	150	2,300 rpm	1	2741
250 x 100	180	2,300 rpm	1	2742

Use only with mounting plate SMD 612!

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Abrasive mop wheels

Abrasive mop

Mounting plate for MM 650

SMD 612



Advantages: Secure mounting of the abrasive mop MM 650

Mop diameter in mm	Mounting plate dimension Outside Ø x Bore in mm	Max. enlargement of bore Ø in mm	Packing unit/pcs.	Cat. number
250	79 x 12	40	2	14823

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

Diameter x Width x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
180 x 25 x 6	80	4,200 rpm	2	262630
180 x 25 x 6	120	4,200 rpm	2	262631
180 x 25 x 6	180	4,200 rpm	2	262632
180 x 50 x 6	80	4,200 rpm	2	262634
180 x 50 x 6	120	4,200 rpm	2	262635
180 x 50 x 6	180	4,200 rpm	2	262636

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Abrasive mop wheels

Abrasive mop



Angle grinder mop

WSM 617



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications:

Steel	●
Stainless steel	●
Paint	●
Plastic	●

Wood	●
------	---

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	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 20	40	M 14	80 m/s	13,300 rpm	2	277014
115 x 20	60	M 14	80 m/s	13,300 rpm	2	277015
115 x 20	80	M 14	80 m/s	13,300 rpm	2	277016
115 x 20	120	M 14	80 m/s	13,300 rpm	2	277017
125 x 20	40	M 14	80 m/s	12,200 rpm	2	277018
125 x 20	60	M 14	80 m/s	12,200 rpm	2	277019
125 x 20	80	M 14	80 m/s	12,200 rpm	2	277020
125 x 20	120	M 14	80 m/s	12,200 rpm	2	277021



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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Abrasive mop wheels

Abrasive mop

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 aluminum 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. RPM	Packing unit/pcs.	Cat. number
165 x 14	40	5,800 rpm	10	10187
165 x 14	60	5,800 rpm	10	5830
165 x 14	80	5,800 rpm	10	5831
165 x 14	120	5,800 rpm	10	73994
165 x 14	150	5,800 rpm	10	25998
165 x 14	220	5,800 rpm	10	26033

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Abrasive mop wheels

Abrasive mop



Abrasive mop

NCW 600



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications:

Stainless steel	●
Metals	●
Plastic	○



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

Diameter x Width in mm	Grit	Grade	Max. RPM	Packing unit/pcs.	Cat. number
165 x 50	80	coarse	3,700 rpm	3	258909
165 x 50	100	medium	3,700 rpm	3	258910
165 x 50	150	medium	3,700 rpm	3	258911
165 x 50	180	very fine	3,700 rpm	3	258912
200 x 50	80	coarse	3,050 rpm	2	258913
200 x 50	100	medium	3,050 rpm	2	258914
200 x 50	150	medium	3,050 rpm	2	258915

Use only with mounting plate SMD 612!

Nylon webbed mop

NFW 600



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications:

Metals	●
Stainless steel	●



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

Diameter x Width in mm	Grade	Max. RPM	Packing unit/pcs.	Cat. number
165 x 50	coarse	3,700 rpm	3	258898
165 x 50	medium	3,700 rpm	3	258899
165 x 50	very fine	3,700 rpm	3	258900
200 x 50	coarse	3,050 rpm	2	258901
200 x 50	medium	3,050 rpm	2	258902
200 x 50	very fine	3,050 rpm	2	258903

Use only with mounting plate SMD 612!

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Mounting plate

Mounting plate for NCW/NFW 600

SMD 612



Advantages: Secure mounting of the abrasive mop NCW 600 and NFW 600

Mop diameter in mm	Mounting plate dimension Outside Ø x Bore in mm	Max. enlargement of bore Ø in mm	Packing unit/pcs.	Cat. number
165	79 x 12	40	2	14823
200	121 x 14	50	2	14824

Abrasive flap drums

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

Diameter x Width x Bore in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
100 x 50 x 19	40	3,700 rpm	3	60868
100 x 50 x 19	60	3,700 rpm	3	60899
100 x 50 x 19	80	3,700 rpm	3	60943
100 x 50 x 19	120	3,700 rpm	3	61045
100 x 100 x 19	40	3,700 rpm	1	83167
100 x 100 x 19	60	3,700 rpm	1	7325
100 x 100 x 19	80	3,700 rpm	1	7326
100 x 100 x 19	120	3,700 rpm	1	93076
100 x 100 x 19	180	3,700 rpm	1	93021
100 x 100 x 19	240	3,700 rpm	1	104999

Abrasive mop

NCW 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

Stainless steel	●
Metals	●
Plastic	○

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

Diameter x Width x Bore in mm	Grit	Grade	Max. RPM	Packing unit/pcs.	Cat. number
100 x 50 x 19	80	coarse	3,700 rpm	3	259896
100 x 50 x 19	100	medium	3,700 rpm	3	259897
100 x 50 x 19	150	medium	3,700 rpm	3	259898
100 x 50 x 19	180	very fine	3,700 rpm	3	259899
100 x 100 x 19	80	coarse	3,700 rpm	1	258905

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Abrasive flap drums

Abrasive mop

→ Continuation of NCW 600, Abrasive mop

Diameter x Width x Bore in mm	Grit	Grade	Max. RPM	Packing unit/pcs.	Cat. number
100 x 100 x 19	100	medium	3,700 rpm	1	258906
100 x 100 x 19	150	medium	3,700 rpm	1	258907
100 x 100 x 19	180	very fine	3,700 rpm	1	258908
110 x 50 x 19	80	coarse	3,300 rpm	3	320232
110 x 50 x 19	100	medium	3,300 rpm	3	320233
110 x 50 x 19	150	medium	3,300 rpm	3	320234
110 x 50 x 19	180	very fine	3,300 rpm	3	320245
110 x 100 x 19	80	coarse	3,300 rpm	1	320246
110 x 100 x 19	100	medium	3,300 rpm	1	320247
110 x 100 x 19	150	medium	3,300 rpm	1	320248
110 x 100 x 19	180	very fine	3,300 rpm	1	320249

Nylon webbed mop

NFW 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

Metals	●
Stainless steel	●

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

Diameter x Width x Bore in mm	Grade	Max. RPM	Packing unit/pcs.	Cat. number
100 x 50 x 19	coarse	3,700 rpm	3	259853
100 x 50 x 19	medium	3,700 rpm	3	259854
100 x 50 x 19	very fine	3,700 rpm	3	259895
100 x 100 x 19	coarse	3,700 rpm	1	258895
100 x 100 x 19	medium	3,700 rpm	1	258896
100 x 100 x 19	very fine	3,700 rpm	1	258897
110 x 50 x 19	coarse	3,300 rpm	3	320250
110 x 50 x 19	medium	3,300 rpm	3	320251
110 x 50 x 19	very fine	3,300 rpm	3	320252
110 x 100 x 19	coarse	3,300 rpm	1	320253
110 x 100 x 19	medium	3,300 rpm	1	320254
110 x 100 x 19	very fine	3,300 rpm	1	320255

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 161. Please see Applications Guide on page 158 - 163.

Notes



Abrasive mop

Small abrasive mop

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	App. eng./Container constr.	Precision engineering	Mould making	Fittings	Pipes	Profiled sections	Tools	Mountings	Cutlery	Wood	Contoured wood	Model construction	Profiled sections	Plastics	Flexible shafts	Drilling machines	Stroke grinders	
KM 613	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	●	●	●	178
KM 615	●	●	●	●	●	●	●	●	●	●			○	○		●	●	●	182
KMT 614	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	●	●	●	183
NCS 600	●	●	●	●	●	●	●	●	●	●					○	●	●	●	183
NFS 600	●	●	●	●	●	●	●	●	●	●						●	●	●	184

● = main application ○ = possible application

Minimum order quantities for made to order items

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

Product	Grit	Minimum order quantities
KMT 614	40–320	250 pieces
	ab 360	500 pieces
NCS 600/ NFS 600	30, 40, 50, 60	150 pieces
	80, 100	100 pieces

Application recommendations

- ▶ The small abrasive mop can be used with flexible shaft grinders, stroke 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 rougher 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 work piece temperature load
- ▶ can result in tool failure

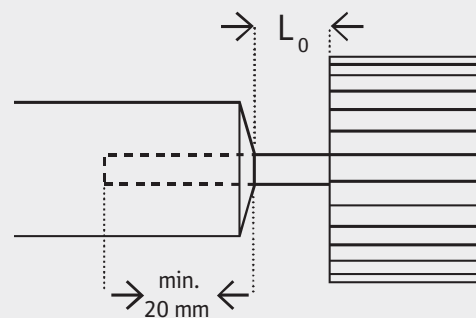
Surface finish:

- ▶ 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 roughness
- ▶ 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 [mm]	Maximum operating speed [m/s]	RPM [1/min]		
			L ₀ = 0 mm	L ₀ = 10 mm	L ₀ = 20 mm
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	≤ 50	40	12.700	9.500	7.300
80	≤ 40	40	9.500	7.100	5.400
	50	35	8.400	7.100	5.400



Tool wear:

- ▶ Tool service life is reduced by working at a lower tool / 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:

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 Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
20 x 10 x 6	40	38,150 rpm	25	284729
20 x 10 x 6	60	38,150 rpm	25	284730
20 x 10 x 6	80	38,150 rpm	25	284731
20 x 10 x 6	120	38,150 rpm	25	284732
20 x 10 x 6	180	38,150 rpm	25	284733
20 x 10 x 6	240	38,150 rpm	25	284734
20 x 10 x 6	320	38,150 rpm	25	284735
20 x 15 x 6	40	38,150 rpm	25	284736
20 x 15 x 6	60	38,150 rpm	25	284737
20 x 15 x 6	80	38,150 rpm	25	284738
20 x 15 x 6	120	38,150 rpm	25	284739
20 x 15 x 6	180	38,150 rpm	25	284740
20 x 15 x 6	240	38,150 rpm	25	284741
20 x 15 x 6	320	38,150 rpm	25	284742
20 x 20 x 6	40	38,150 rpm	25	284743
20 x 20 x 6	60	38,150 rpm	25	284744
20 x 20 x 6	80	38,150 rpm	25	284745
20 x 20 x 6	120	38,150 rpm	25	284746
20 x 20 x 6	180	38,150 rpm	25	284747
20 x 20 x 6	240	38,150 rpm	25	284748
20 x 20 x 6	320	38,150 rpm	25	284749
25 x 10 x 6	40	30,500 rpm	10	253816
25 x 10 x 6	60	30,500 rpm	10	253591
25 x 10 x 6	80	30,500 rpm	10	253592
25 x 10 x 6	120	30,500 rpm	10	253593
25 x 10 x 6	150	30,500 rpm	10	253594
25 x 10 x 6	240	30,500 rpm	10	253605
25 x 15 x 6	40	30,500 rpm	10	253817
25 x 15 x 6	60	30,500 rpm	10	250985
25 x 15 x 6	80	30,500 rpm	10	237496
25 x 15 x 6	120	30,500 rpm	10	253606
25 x 15 x 6	150	30,500 rpm	10	253607
25 x 15 x 6	240	30,500 rpm	10	253608
30 x 5 x 3	60	25,400 rpm	10	12781

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 176. Please see Applications Guide on page 176 - 177.

Small abrasive mop

Abrasive mop



→ Continuation of KM 613, Small abrasive mop

Diameter x Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
30 x 5 x 3	80	25,400 rpm	10	12782
30 x 5 x 3	120	25,400 rpm	10	12784
30 x 5 x 3	240	25,400 rpm	10	12787
30 x 5 x 6	60	25,400 rpm	10	12790
30 x 5 x 6	80	25,400 rpm	10	12791
30 x 5 x 6	120	25,400 rpm	10	12793
30 x 5 x 6	150	25,400 rpm	10	12794
30 x 5 x 6	240	25,400 rpm	10	12796
30 x 10 x 3	60	25,400 rpm	10	12808
30 x 10 x 3	80	25,400 rpm	10	12809
30 x 10 x 3	120	25,400 rpm	10	12811
30 x 10 x 3	240	25,400 rpm	10	12814
30 x 10 x 6	40	25,400 rpm	10	12816
30 x 10 x 6	60	25,400 rpm	10	12817
30 x 10 x 6	80	25,400 rpm	10	12818
30 x 10 x 6	100	25,400 rpm	10	12819
30 x 10 x 6	120	25,400 rpm	10	12820
30 x 10 x 6	150	25,400 rpm	10	12821
30 x 10 x 6	180	25,400 rpm	10	12822
30 x 10 x 6	240	25,400 rpm	10	12823
30 x 10 x 6	320	25,400 rpm	10	12824
30 x 15 x 6	40	25,400 rpm	10	12843
30 x 15 x 6	60	25,400 rpm	10	12844
30 x 15 x 6	80	25,400 rpm	10	12845
30 x 15 x 6	100	25,400 rpm	10	12846
30 x 15 x 6	120	25,400 rpm	10	12847
30 x 15 x 6	150	25,400 rpm	10	12848
30 x 15 x 6	180	25,400 rpm	10	12849
30 x 15 x 6	240	25,400 rpm	10	12850
30 x 15 x 6	320	25,400 rpm	10	12851
40 x 10 x 6	40	19,000 rpm	10	12870
40 x 10 x 6	60	19,000 rpm	10	12871
40 x 10 x 6	80	19,000 rpm	10	12872
40 x 10 x 6	120	19,000 rpm	10	12874
40 x 10 x 6	150	19,000 rpm	10	12875
40 x 10 x 6	240	19,000 rpm	10	12877
40 x 15 x 6	40	19,000 rpm	10	12906
40 x 15 x 6	60	19,000 rpm	10	12907
40 x 15 x 6	80	19,000 rpm	10	12908
40 x 15 x 6	100	19,000 rpm	10	12909
40 x 15 x 6	120	19,000 rpm	10	12910
40 x 15 x 6	150	19,000 rpm	10	12911
40 x 15 x 6	180	19,000 rpm	10	12912
40 x 15 x 6	240	19,000 rpm	10	12913
40 x 15 x 6	320	19,000 rpm	10	12914
40 x 20 x 6	40	19,000 rpm	10	12942
40 x 20 x 6	60	19,000 rpm	10	12943
40 x 20 x 6	80	19,000 rpm	10	12944
40 x 20 x 6	100	19,000 rpm	10	12945
40 x 20 x 6	120	19,000 rpm	10	12946
40 x 20 x 6	150	19,000 rpm	10	12947

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 176. Please see Applications Guide on page 176 - 177.

Small abrasive mop

Abrasive mop

→ Continuation of KM 613, Small abrasive mop

Diameter x Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
40 x 20 x 6	180	19,000 rpm	10	12948
40 x 20 x 6	240	19,000 rpm	10	12949
40 x 20 x 6	320	19,000 rpm	10	12950
50 x 5 x 6	60	15,200 rpm	10	135235
50 x 5 x 6	80	15,200 rpm	10	136451
50 x 5 x 6	120	15,200 rpm	10	251778
50 x 5 x 6	150	15,200 rpm	10	149046
50 x 5 x 6	240	15,200 rpm	10	149047
50 x 10 x 6	40	15,200 rpm	10	12960
50 x 10 x 6	60	15,200 rpm	10	12961
50 x 10 x 6	80	15,200 rpm	10	12962
50 x 10 x 6	120	15,200 rpm	10	12964
50 x 10 x 6	150	15,200 rpm	10	12965
50 x 10 x 6	240	15,200 rpm	10	12967
50 x 15 x 6	40	15,200 rpm	10	12978
50 x 15 x 6	60	15,200 rpm	10	12979
50 x 15 x 6	80	15,200 rpm	10	12980
50 x 15 x 6	120	15,200 rpm	10	12982
50 x 15 x 6	150	15,200 rpm	10	12983
50 x 15 x 6	240	15,200 rpm	10	12985
50 x 20 x 6	40	15,200 rpm	10	12996
50 x 20 x 6	60	15,200 rpm	10	12997
50 x 20 x 6	80	15,200 rpm	10	12998
50 x 20 x 6	100	15,200 rpm	10	12999
50 x 20 x 6	120	15,200 rpm	10	13000
50 x 20 x 6	150	15,200 rpm	10	13001
50 x 20 x 6	180	15,200 rpm	10	13002
50 x 20 x 6	240	15,200 rpm	10	13003
50 x 20 x 6	320	15,200 rpm	10	13004
50 x 30 x 6	40	15,200 rpm	10	61282
50 x 30 x 6	60	15,200 rpm	10	61299
50 x 30 x 6	80	15,200 rpm	10	61319
50 x 30 x 6	100	15,200 rpm	10	61333
50 x 30 x 6	120	15,200 rpm	10	61350
50 x 30 x 6	150	15,200 rpm	10	71015
50 x 30 x 6	180	15,200 rpm	10	61371
50 x 30 x 6	240	15,200 rpm	10	71017
50 x 30 x 6	320	15,200 rpm	10	61389
60 x 15 x 6	40	12,700 rpm	10	13014
60 x 15 x 6	60	12,700 rpm	10	13015
60 x 15 x 6	80	12,700 rpm	10	13016
60 x 15 x 6	120	12,700 rpm	10	13018
60 x 15 x 6	150	12,700 rpm	10	13019
60 x 15 x 6	240	12,700 rpm	10	13021
60 x 20 x 6	40	12,700 rpm	10	13032
60 x 20 x 6	60	12,700 rpm	10	13033
60 x 20 x 6	80	12,700 rpm	10	13034
60 x 20 x 6	120	12,700 rpm	10	13036
60 x 20 x 6	150	12,700 rpm	10	13037
60 x 20 x 6	180	12,700 rpm	10	13038
60 x 20 x 6	240	12,700 rpm	10	13039

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 176. Please see Applications Guide on page 176 - 177.

Small abrasive mop

Abrasive mop



→ Continuation of KM 613, Small abrasive mop

Diameter x Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
60 x 30 x 6	40	12,700 rpm	10	13050
60 x 30 x 6	60	12,700 rpm	10	13051
60 x 30 x 6	80	12,700 rpm	10	13052
60 x 30 x 6	100	12,700 rpm	10	13053
60 x 30 x 6	120	12,700 rpm	10	13054
60 x 30 x 6	150	12,700 rpm	10	13055
60 x 30 x 6	180	12,700 rpm	10	13056
60 x 30 x 6	240	12,700 rpm	10	13057
60 x 30 x 6	320	12,700 rpm	10	13058
60 x 40 x 6	40	12,700 rpm	10	13068
60 x 40 x 6	60	12,700 rpm	10	13069
60 x 40 x 6	80	12,700 rpm	10	13070
60 x 40 x 6	100	12,700 rpm	10	13071
60 x 40 x 6	120	12,700 rpm	10	13072
60 x 40 x 6	150	12,700 rpm	10	13073
60 x 40 x 6	240	12,700 rpm	10	13075
60 x 50 x 6	40	12,700 rpm	10	13086
60 x 50 x 6	60	12,700 rpm	10	13087
60 x 50 x 6	80	12,700 rpm	10	13088
60 x 50 x 6	120	12,700 rpm	10	13090
60 x 50 x 6	180	12,700 rpm	10	13092
60 x 50 x 6	240	12,700 rpm	10	13093
60 x 50 x 6	320	12,700 rpm	10	13094
80 x 15 x 6	40	9,500 rpm	10	13104
80 x 15 x 6	60	9,500 rpm	10	13105
80 x 15 x 6	80	9,500 rpm	10	13106
80 x 15 x 6	120	9,500 rpm	10	13108
80 x 15 x 6	150	9,500 rpm	10	13109
80 x 15 x 6	240	9,500 rpm	10	13111
80 x 20 x 6	40	9,500 rpm	10	13122
80 x 20 x 6	60	9,500 rpm	10	13123
80 x 20 x 6	80	9,500 rpm	10	13124
80 x 20 x 6	120	9,500 rpm	10	13126
80 x 30 x 6	40	9,500 rpm	10	13140
80 x 30 x 6	60	9,500 rpm	10	13141
80 x 30 x 6	80	9,500 rpm	10	13142
80 x 30 x 6	100	9,500 rpm	10	13143
80 x 30 x 6	120	9,500 rpm	10	13144
80 x 30 x 6	150	9,500 rpm	10	13145
80 x 30 x 6	240	9,500 rpm	10	13147
80 x 30 x 6	320	9,500 rpm	10	13148
80 x 40 x 6	40	9,500 rpm	10	13158
80 x 40 x 6	60	9,500 rpm	10	13159
80 x 40 x 6	80	9,500 rpm	10	13160
80 x 40 x 6	120	9,500 rpm	10	13162
80 x 50 x 6	40	8,400 rpm	10	13176
80 x 50 x 6	60	8,400 rpm	10	13177
80 x 50 x 6	80	8,400 rpm	10	13178
80 x 50 x 6	100	8,400 rpm	10	13179

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 176. Please see Applications Guide on page 176 - 177.

Small abrasive mop

Abrasive mop

→ Continuation of KM 613, Small abrasive mop

Diameter x Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
80 x 50 x 6	120	8,400 rpm	10	13180
80 x 50 x 6	150	8,400 rpm	10	13181
80 x 50 x 6	240	8,400 rpm	10	13183
80 x 50 x 6	320	8,400 rpm	10	13184

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 Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
30 x 10 x 6	60	25,400 rpm	10	253615
30 x 10 x 6	80	25,400 rpm	10	253620
30 x 10 x 6	120	25,400 rpm	10	253610
40 x 20 x 6	60	19,000 rpm	10	253616
40 x 20 x 6	80	19,000 rpm	10	253621
40 x 20 x 6	120	19,000 rpm	10	253611
50 x 20 x 6	60	15,200 rpm	10	253617
50 x 20 x 6	80	15,200 rpm	10	253622
50 x 20 x 6	120	15,200 rpm	10	253612
60 x 30 x 6	60	12,700 rpm	10	253618
60 x 30 x 6	80	12,700 rpm	10	253623
60 x 30 x 6	120	12,700 rpm	10	253613
80 x 40 x 6	60	9,500 rpm	10	253619
80 x 40 x 6	80	9,500 rpm	10	253624
80 x 40 x 6	120	9,500 rpm	10	253614

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 176. Please see Applications Guide on page 176 - 177.

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 Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number
60 x 40 x 6	40	10,200 rpm	10	13194
60 x 40 x 6	60	10,200 rpm	10	13195
60 x 40 x 6	80	10,200 rpm	10	13196
60 x 40 x 6	120	10,200 rpm	10	13198

Abrasive mop

NCS 600



Properties

Bonding agent Resin	
Grain	Aluminium oxide

Applications:

Stainless steel	●
Metals	●
Plastic	○

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

Diameter x Height x Shaft in mm	Grit	Grade	Max. RPM	Packing unit/pcs.	Cat. number
50 x 30 x 6	60	coarse	12,200 rpm	10	258932
50 x 30 x 6	100	medium	12,200 rpm	10	258933
50 x 30 x 6	150	medium	12,200 rpm	10	258934
50 x 30 x 6	240	very fine	12,200 rpm	10	258935
60 x 30 x 6	60	coarse	10,000 rpm	10	258936
60 x 30 x 6	100	medium	10,000 rpm	10	258937
60 x 30 x 6	150	medium	10,000 rpm	10	258938
60 x 30 x 6	240	very fine	10,000 rpm	10	258939
60 x 50 x 6	60	coarse	10,000 rpm	10	258940
60 x 50 x 6	100	medium	10,000 rpm	10	258941
60 x 50 x 6	150	medium	10,000 rpm	10	258942

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 176. Please see Applications Guide on page 176 - 177.

Small abrasive mop

Abrasive mop

→ Continuation of NCS 600, Abrasive mop

Diameter x Height x Shaft in mm	Grit	Grade	Max. RPM	Packing unit/pcs.	Cat. number
60 x 50 x 6	240	very fine	10,000 rpm	10	258943
80 x 50 x 6	60	coarse	7,600 rpm	10	258944
80 x 50 x 6	100	medium	7,600 rpm	10	258945
80 x 50 x 6	150	medium	7,600 rpm	10	258946
80 x 50 x 6	240	very fine	7,600 rpm	10	258947
100 x 50 x 6	60	coarse	6,000 rpm	4	258948
100 x 50 x 6	100	medium	6,000 rpm	4	258949
100 x 50 x 6	150	medium	6,000 rpm	4	258950
100 x 50 x 6	240	very fine	6,000 rpm	4	258951

Small finishing mop

NFS 600



Properties

Bonding agent	Resin
Grain	Aluminium oxide

Applications:

Metals	●
Stainless steel	●

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

Diameter x Height x Shaft in mm	Grade	Max. RPM	Packing unit/pcs.	Cat. number
50 x 30 x 6	coarse	12,200 rpm	10	258917
50 x 30 x 6	medium	12,200 rpm	10	258918
50 x 30 x 6	very fine	12,200 rpm	10	258919
60 x 30 x 6	coarse	10,000 rpm	10	258920
60 x 30 x 6	medium	10,000 rpm	10	258921
60 x 30 x 6	very fine	10,000 rpm	10	258922
60 x 50 x 6	coarse	10,000 rpm	10	258923
60 x 50 x 6	medium	10,000 rpm	10	258924
60 x 50 x 6	very fine	10,000 rpm	10	258925
80 x 50 x 6	coarse	7,600 rpm	10	258926
80 x 50 x 6	medium	7,600 rpm	10	258927
80 x 50 x 6	very fine	7,600 rpm	10	258928
100 x 50 x 6	coarse	6,000 rpm	4	258929
100 x 50 x 6	medium	6,000 rpm	4	258930
100 x 50 x 6	very fine	6,000 rpm	4	258931

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 176. Please see Applications Guide on page 176 - 177.

Notes



Abrasive mop



Abrasive mop disc

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.

Application	Material						
	Metal universal / steel		Stainless steel (INOX), high alloy stainless steel, NF-metals		Aluminium, NF-metals		Paint, varnishes, plastics, wood
	Type	Design	Type	Design	Type	Design	Type
Finish grinding	SMT 324 EXTRA	flat	SMT 628 SUPRA				
	SMT 325 EXTRA	flat	SMT 925 SPECIAL	flat			
	SMT 628 SUPRA		SMT 645 SUPRA				
	SMT 925 SPECIAL	flat	SMT 688 SPECIAL				
	SMT 645 SUPRA		SMT 636 SUPRA	flat	SMT 636 SUPRA	flat	
	SMT 688 SPECIAL		SMT 996 SPECIAL	flat			
Welded seam work			SMT 800 SPECIAL				
	SMT 324 EXTRA	convex	SMT 624 SUPRA		SMT 314 EXTRA	convex	
	SMT 325 EXTRA	convex	SMT 626 SUPRA		SMT 636 SUPRA	convex	
	SMT 624 SUPRA		SMT 636 SUPRA	convex			
	SMT 626 SUPRA		SMT 996 SPECIAL	convex			
	SMT 926 SPECIAL						
Edge work; bevelling	SMT 850 plus SPECIAL						
	SMT 324 EXTRA	convex	SMT 624 SUPRA		SMT 314 EXTRA	convex	
	SMT 325 EXTRA	convex	SMT 626 SUPRA				
	SMT 624 SUPRA		SMT 314 EXTRA	convex			
	SMT 626 SUPRA		SMT 636 SUPRA	convex	SMT 636 SUPRA	convex	
	SMT 314 EXTRA	convex	SMT 926 SPECIAL				
Concave fillet weld work	SMT 926 SPECIAL		SMT 996 SPECIAL	convex			
	SMT 688 SPECIAL	flat	SMT 688 SPECIAL	flat			
Rust and varnish removal			MFW 600 SPECIAL				
	SMT 800 SPECIAL		SMT 800 SPECIAL		SMT 800 SPECIAL		
	NCD 200 SPECIAL		NCD 200 SPECIAL		NCD 200 SPECIAL		NCD 200 SPECIAL
Heat tinting and oxide film removal	PW 2000		PW 2000		PW 2000		PW 2000
			SMT 800 SPECIAL		SMT 800 SPECIAL		
			NCD 200 SPECIAL		NCD 200 SPECIAL		
			PW 2000		PW 2000		

Abrasive mop disc

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 millimetre and inch

4. Punch ring

Manufacturer information, no expiry date!

5. Grit size

6. Cat. number

7. Safety recommendations

Language neutral pictograms

8. Quality class

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

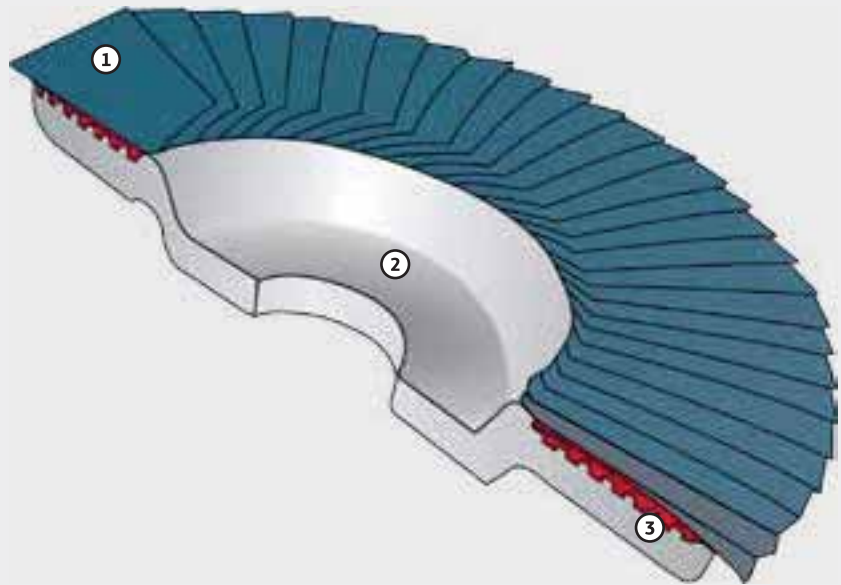
Klingspor has developed special coated abrasives for its abrasive mop discs. The grinding tool is perfect for use with high speed angle grinders (80 m/s) and corresponding applications. This ensures top grinding performance and long service life.

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.

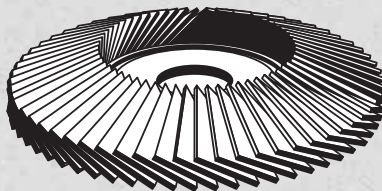
3. Glue

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.

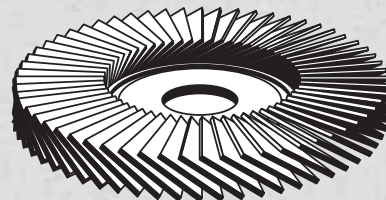


Form

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



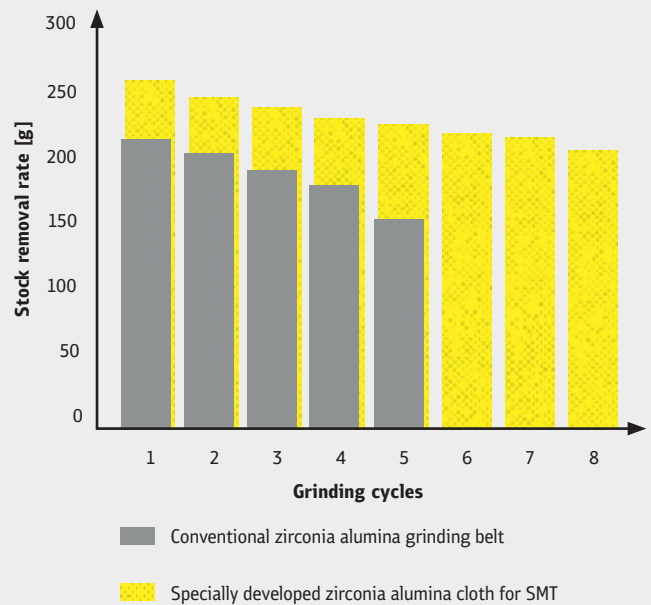
Abrasive mop disc

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 approx. 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 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, robust cotton polyester backing, for high stock removal

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 muffs



Correctly mounted



Wear safety gloves to protect hands



Observe safety instructions














Do not use for wet grinding



Incorrectly mounted

SMT programme

		Steel / NF-metals	Steel / INOX			Stainless Steel	
		Aggression	Aggression			Service life	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 (12°)		convex (12°) / flat	convex (6°)	convex (6°) / flat
SUPRA	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 disc

Abrasive mop disc

SMT 314

EXTRA



Quality	EXTRA
Aggression	■■■■■□□□
Service life	■■■■■□□□

Applications:	
Steel	●
NF metals	●
Wood	○



Properties	
Backing plate	Glass fibre
Design	Convex 12°
Grain	Aluminium oxide

NEW

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

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		36	80 m/s	13,300 rpm	10	322808
115 x 22,23		40	80 m/s	13,300 rpm	10	322809
115 x 22,23		60	80 m/s	13,300 rpm	10	322811
115 x 22,23		80	80 m/s	13,300 rpm	10	322812
115 x 22,23		120	80 m/s	13,300 rpm	10	322813
125 x 22,23		36	80 m/s	12,200 rpm	10	322814
125 x 22,23		40	80 m/s	12,200 rpm	10	322815
125 x 22,23		60	80 m/s	12,200 rpm	10	322817
125 x 22,23		80	80 m/s	12,200 rpm	10	322818
125 x 22,23		120	80 m/s	12,200 rpm	10	322819
180 x 22,23		36	80 m/s	8,500 rpm	10	322820
180 x 22,23		40	80 m/s	8,500 rpm	10	322821
180 x 22,23		60	80 m/s	8,500 rpm	10	322822
180 x 22,23		80	80 m/s	8,500 rpm	10	322823

Please observe: Please see Applications Guide on page 186 - 191.

Abrasive mop disc

SMT 324 EXTRA



Quality	EXTRA
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ □ □ □

Applications:	
Stainless steel	●
Steel	●















NEW

Properties	
Backing plate	Glass fibre
Design	Convex 12°, flat
Grain	Zirconia alumina

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
115 x 22,23		40	80 m/s	13,300 rpm	10	321509
115 x 22,23		60	80 m/s	13,300 rpm	10	321511
115 x 22,23		80	80 m/s	13,300 rpm	10	321513
115 x 22,23		40	80 m/s	13,300 rpm	10	321645
115 x 22,23		60	80 m/s	13,300 rpm	10	321647
115 x 22,23		80	80 m/s	13,300 rpm	10	321649
125 x 22,23		40	80 m/s	12,200 rpm	10	321510
125 x 22,23		60	80 m/s	12,200 rpm	10	321512
125 x 22,23		80	80 m/s	12,200 rpm	10	321514
125 x 22,23		40	80 m/s	12,200 rpm	10	321646
125 x 22,23		60	80 m/s	12,200 rpm	10	321648
125 x 22,23		80	80 m/s	12,200 rpm	10	321650

Abrasive mop disc

Abrasive mop disc

SMT 325 EXTRA



Quality	EXTRA
Aggression	■■■■■□□
Service life	■■■■■□□

Applications:	
Stainless steel	●
Steel	●



NEW

Properties	
Backing plate	Plastic, glass-fibre reinforced
Design	Convex 12°, flat
Grain	Zirconia alumina

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
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Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		40	80 m/s	13,300 rpm	10	321659
115 x 22,23		60	80 m/s	13,300 rpm	10	321661
115 x 22,23		80	80 m/s	13,300 rpm	10	321663
115 x 22,23		40	80 m/s	13,300 rpm	10	321653
115 x 22,23		60	80 m/s	13,300 rpm	10	321655
115 x 22,23		80	80 m/s	13,300 rpm	10	321657
125 x 22,23		40	80 m/s	12,200 rpm	10	321660
125 x 22,23		60	80 m/s	12,200 rpm	10	321662
125 x 22,23		80	80 m/s	12,200 rpm	10	321664
125 x 22,23		40	80 m/s	12,200 rpm	10	321654
125 x 22,23		60	80 m/s	12,200 rpm	10	321656
125 x 22,23		80	80 m/s	12,200 rpm	10	321658

Please observe: Please see Applications Guide on page 186 - 191.

Abrasive mop disc

SMT 624 SUPRA



Quality	SUPRA
Aggression	■ ■ ■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ ■ ■ □

Applications:	
Stainless steel	●
Steel	●



Properties	
Backing plate	Glass fibre
Design	Convex 12°
Grain	Zirconia alumina

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
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Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 16		36	80 m/s	15,300 rpm	10	322758
100 x 16		40	80 m/s	15,300 rpm	10	322759
100 x 16		60	80 m/s	15,300 rpm	10	322760
100 x 16		80	80 m/s	15,300 rpm	10	322761
100 x 16		120	80 m/s	15,300 rpm	10	322762
115 x 22,23		36	80 m/s	13,300 rpm	10	322764
115 x 22,23		40	80 m/s	13,300 rpm	10	322765
115 x 22,23		50	80 m/s	13,300 rpm	10	322766
115 x 22,23		60	80 m/s	13,300 rpm	10	322767
115 x 22,23		80	80 m/s	13,300 rpm	10	322768
115 x 22,23		120	80 m/s	13,300 rpm	10	322769
125 x 22,23		36	80 m/s	12,200 rpm	10	322771
125 x 22,23		40	80 m/s	12,200 rpm	10	322772
125 x 22,23		50	80 m/s	12,200 rpm	10	322773
125 x 22,23		60	80 m/s	12,200 rpm	10	322774
125 x 22,23		80	80 m/s	12,200 rpm	10	322775
125 x 22,23		120	80 m/s	12,200 rpm	10	322776
150 x 22,23		40	80 m/s	10,200 rpm	10	322778
150 x 22,23		60	80 m/s	10,200 rpm	10	322779
150 x 22,23		80	80 m/s	10,200 rpm	10	322780
180 x 22,23		36	80 m/s	8,500 rpm	10	322782
180 x 22,23		40	80 m/s	8,500 rpm	10	322783
180 x 22,23		50	80 m/s	8,500 rpm	10	322784
180 x 22,23		60	80 m/s	8,500 rpm	10	322785
180 x 22,23		80	80 m/s	8,500 rpm	10	322786
180 x 22,23		120	80 m/s	8,500 rpm	10	322787

Abrasive mop disc

Abrasive mop disc

SMT 628 SUPRA



Quality	SUPRA
Aggression	■■■■■□
Service life	■■■■■□

Applications:	
Stainless steel	●
Steel	●



Properties	
Backing plate	Glass fibre
Design	Flat
Grain	Zirconia alumina

NEW

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
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Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		36	80 m/s	13,300 rpm	10	322789
115 x 22,23		40	80 m/s	13,300 rpm	10	322790
115 x 22,23		60	80 m/s	13,300 rpm	10	322792
115 x 22,23		80	80 m/s	13,300 rpm	10	322793
115 x 22,23		120	80 m/s	13,300 rpm	10	322794
125 x 22,23		36	80 m/s	12,200 rpm	10	322795
125 x 22,23		40	80 m/s	12,200 rpm	10	322796
125 x 22,23		60	80 m/s	12,200 rpm	10	322798
125 x 22,23		80	80 m/s	12,200 rpm	10	322799
125 x 22,23		120	80 m/s	12,200 rpm	10	322800
180 x 22,23		36	80 m/s	8,500 rpm	10	322802
180 x 22,23		40	80 m/s	8,500 rpm	10	322803
180 x 22,23		60	80 m/s	8,500 rpm	10	322805
180 x 22,23		80	80 m/s	8,500 rpm	10	322806

Please observe: Please see Applications Guide on page 186 - 191.

Abrasive mop disc

SMT 626 SUPRA



Quality	SUPRA
Aggression	■■■■■□
Service life	■■■■■□

Applications:	
Stainless steel	●
Steel	●



Properties	
Backing plate	Glass fibre
Design	Convex 6°
Grain	Zirconia alumina

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
100 x 16		40	80 m/s	15,300 rpm	10	321700
100 x 16		60	80 m/s	15,300 rpm	10	321681
100 x 16		80	80 m/s	15,300 rpm	10	321682
115 x 22,23		36	80 m/s	13,300 rpm	10	321686
115 x 22,23		40	80 m/s	13,300 rpm	10	321689
115 x 22,23		50	80 m/s	13,300 rpm	10	321692
115 x 22,23		60	80 m/s	13,300 rpm	10	321694
115 x 22,23		80	80 m/s	13,300 rpm	10	321697
115 x 22,23		120	80 m/s	13,300 rpm	10	321683
125 x 22,23		36	80 m/s	12,200 rpm	10	321687
125 x 22,23		40	80 m/s	12,200 rpm	10	321690
125 x 22,23		50	80 m/s	12,200 rpm	10	321693
125 x 22,23		60	80 m/s	12,200 rpm	10	321695
125 x 22,23		80	80 m/s	12,200 rpm	10	321698
125 x 22,23		120	80 m/s	12,200 rpm	10	321684
180 x 22,23		36	80 m/s	8,500 rpm	10	321688
180 x 22,23		40	80 m/s	8,500 rpm	10	321691
180 x 22,23		60	80 m/s	8,500 rpm	10	321696
180 x 22,23		80	80 m/s	8,500 rpm	10	321699

Abrasive mop disc

Abrasive mop disc, multibond

SMT 636
SUPRA



Quality	SUPRA
Aggression	■■■■■□
Service life	■■■■■□

Applications:	Stainless steel ●
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







Properties	
Backing plate	Glass fibre
Design	Convex 6°, flat
Grain	Zirconia alumina multibond

NEW

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							
115 x 22,23								40		80 m/s			13,300 rpm		10		322826							
115 x 22,23								60		80 m/s			13,300 rpm		10		322827							
115 x 22,23								80		80 m/s			13,300 rpm		10		322828							
125 x 22,23								40		80 m/s			12,200 rpm		10		322831							
125 x 22,23								60		80 m/s			12,200 rpm		10		322832							
125 x 22,23								80		80 m/s			12,200 rpm		10		322833							
180 x 22,23								40		80 m/s			8,500 rpm		10		322836							

Abrasive mop disc

SMT 645
SUPRA



Quality	SUPRA
Applications:	Stainless steel ● Steel ●



Properties	
Design	Flat
Grain	Zirconia alumina
Backing plate	Plastic, glass-fibre reinforced

Advantages: High edge stability - Very good removal rate also on low-power angle grinders - Long service life due to double grinding flaps

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														
115 x 22,23		40		80 m/s		13,300 rpm		10		278590														
115 x 22,23		60		80 m/s		13,300 rpm		10		278591														
115 x 22,23		80		80 m/s		13,300 rpm		10		278592														

Please observe: Please see Applications Guide on page 186 - 191.

Abrasive mop disc

SMT 924 SPECIAL



Quality	SPECIAL
Aggression	■■■■■■■■■
Service life	■■■■■■■■■

Applications:	
Stainless steel	●
Steel	●



Properties	
Backing plate	Glass fibre
Design	Convex 12°
Grain	Ceramic Aluminium oxide

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:

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
115 x 22,23		40	80 m/s	13,300 rpm	10	322862
115 x 22,23		60	80 m/s	13,300 rpm	10	322863
115 x 22,23		80	80 m/s	13,300 rpm	10	322864
125 x 22,23		40	80 m/s	12,200 rpm	10	322867
125 x 22,23		60	80 m/s	12,200 rpm	10	322868
125 x 22,23		80	80 m/s	12,200 rpm	10	322869

Abrasive mop disc

SMT 925 SPECIAL



Quality	SPECIAL
Aggression	■■■■■■■■■
Service life	■■■■■■■■□

Applications:	
Stainless steel	●
Steel	●



Properties	
Backing plate	Plastic, glass-fibre reinforced
Design	Convex 12°, flat
Grain	Zirconia alumina

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:

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
115 x 22,23		36	80 m/s	13,300 rpm	10	321713
115 x 22,23		40	80 m/s	13,300 rpm	10	321714
115 x 22,23		60	80 m/s	13,300 rpm	10	321715
115 x 22,23		80	80 m/s	13,300 rpm	10	321716
115 x 22,23		36	80 m/s	13,300 rpm	10	321668
115 x 22,23		40	80 m/s	13,300 rpm	10	321670
115 x 22,23		60	80 m/s	13,300 rpm	10	321674

Continuation →

Please observe: Please see Applications Guide on page 186 - 191.

Abrasive mop disc

→ Continuation of SMT 925 Special, Abrasive mop disc

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		80	80 m/s	13,300 rpm	10	321677
125 x 22,23		36	80 m/s	12,200 rpm	10	321718
125 x 22,23		40	80 m/s	12,200 rpm	10	321719
125 x 22,23		60	80 m/s	12,200 rpm	10	321720
125 x 22,23		80	80 m/s	12,200 rpm	10	321721
125 x 22,23		40	80 m/s	12,200 rpm	10	321671
125 x 22,23		60	80 m/s	12,200 rpm	10	321675
125 x 22,23		80	80 m/s	12,200 rpm	10	321678
180 x 22,23		24	80 m/s	8,500 rpm	5	321667
180 x 22,23		36	80 m/s	8,500 rpm	5	321669
180 x 22,23		40	80 m/s	8,500 rpm	5	321672
180 x 22,23		60	80 m/s	8,500 rpm	5	321676

Abrasive mop disc

SMT 926 SPECIAL



Quality	SPECIAL
Aggression	■■■■■□
Service life	■■■■■

Applications:	
Stainless steel	●
Steel	●












Properties	
Backing plate	Glass fibre
Design	Convex 6°
Grain	Zirconia alumina

NEW

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
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Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		40	80 m/s	13,300 rpm	10	321703
115 x 22,23		60	80 m/s	13,300 rpm	10	321706
115 x 22,23		80	80 m/s	13,300 rpm	10	321708
125 x 22,23		40	80 m/s	12,200 rpm	10	321704
125 x 22,23		60	80 m/s	12,200 rpm	10	321707
125 x 22,23		80	80 m/s	12,200 rpm	10	321709
180 x 22,23		40	80 m/s	8,500 rpm	10	321705
180 x 22,23		60	80 m/s	8,500 rpm	10	321711
180 x 22,23		80	80 m/s	8,500 rpm	10	321712

Please observe: Please see Applications Guide on page 186 - 191.

Abrasive mop disc, multibond

SMT 996 SPECIAL



Quality	SPECIAL
Aggression	■■■■■■■■■
Service life	■■■■■■■□

Applications:	Stainless steel ●
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Properties	
Backing plate	Glass fibre
Design	Convex 6°, flat
Grain	Ceramic Aluminium oxide multibond

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
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Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		40	80 m/s	13,300 rpm	10	322849
115 x 22,23		60	80 m/s	13,300 rpm	10	322850
115 x 22,23		80	80 m/s	13,300 rpm	10	322851
125 x 22,23		40	80 m/s	12,200 rpm	10	322852
125 x 22,23		60	80 m/s	12,200 rpm	10	322853
125 x 22,23		80	80 m/s	12,200 rpm	10	322854

Abrasive mop disc, Corner grinder

SMT 688 SPECIAL



Quality	SPECIAL
Applications:	Stainless steel ● Steel ●



Properties	
Design	Flat
Grain	Zirconia alumina
Backing plate	Glass fibre

Advantages: Special tool for use in difficult-to-access areas, such as grooves, slots and angles - Good adaptation of flaps to convex contours due to longer overlap

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 mop disc

Abrasive mop disc

SMT 800 SPECIAL



Quality *SPECIAL*



Applications:

Stainless steel	●
Steel	●

Properties

Design	Convex 12°
Backing plate	Glass fibre



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

Diameter x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23	coarse	brown	80 m/s	13,300 rpm	5	278495
115 x 22,23	medium	maroon	80 m/s	13,300 rpm	5	278496
115 x 22,23	very fine	blue	80 m/s	13,300 rpm	5	278497
125 x 22,23	coarse	brown	80 m/s	12,200 rpm	5	278498
125 x 22,23	medium	maroon	80 m/s	12,200 rpm	5	278499
125 x 22,23	very fine	blue	80 m/s	12,200 rpm	5	278500

Combi-Abrasive mop disc

SMT 850 plus SPECIAL



Quality *SPECIAL*



Applications:

Stainless steel	●
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Properties

Design	Convex 12°
Backing plate	Glass fibre



Advantages: High-quality combi non-woven mop disc - Specially suited for machining of WIG 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	Grit	Grade	Colour	Max. operating speed	Max. RPM	Recommended RPM	Packing unit/pcs.	Cat. number
115 x 22,23	60	coarse	brown	80 m/s	13,300 rpm	7,000 rpm	5	312556
115 x 22,23	80	medium	maroon	80 m/s	13,300 rpm	7,000 rpm	5	312557
115 x 22,23	120	very fine	blue	80 m/s	13,300 rpm	7,000 rpm	5	312558
125 x 22,23	60	coarse	brown	80 m/s	12,200 rpm	6,400 rpm	5	312559
125 x 22,23	80	medium	maroon	80 m/s	12,200 rpm	6,400 rpm	5	312560
125 x 22,23	120	very fine	blue	80 m/s	12,200 rpm	6,400 rpm	5	312561

Please observe: Please see Applications Guide on page 186 - 191.

High performance non-woven web wheels

MFW 600



Applications:

Steel	●
Stainless steel	●
NF metals	●

Properties

Bonding agent Resin
Grain SiC

Advantages: Special product for finishing stainless steel weld seams - 4 different grades for material removal up to high gloss

Diameter x Width x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Recommended operating speed	Recommended RPM	Packing unit/pcs.	Cat. number
150 x 6 x 22	coarse	Red	47 m/s	6,000 rpm	22 m/s	2,800 rpm	5	311867
150 x 6 x 22	medium	Grey	47 m/s	6,000 rpm	22 m/s	2,800 rpm	5	311868
150 x 6 x 22	fine	Blue	47 m/s	6,000 rpm	22 m/s	2,800 rpm	5	311869
150 x 6 x 22	very fine	Green	37 m/s	4,700 rpm	22 m/s	2,800 rpm	5	311870

Cleaning wheel

NCD 200





Applications:

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

Properties

Design Flat
Bonding agent Resin

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

Diameter x Bore in mm	Form	Grain	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		SiC	63 m/s	10,450 rpm	5	259043
125 x 22,23		SiC	63 m/s	9,600 rpm	5	259044

Power Wheel

Power Wheel, extra coarse

PW 2000



Applications:

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

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

Diameter x Width x Bore in mm	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 13 x 13	40 m/s	7,600 rpm	10	194625
150 x 13 x 13	40 m/s	5,000 rpm	10	194626
200 x 13 x 13	40 m/s	3,700 rpm	10	241380

Fixing spindle

SD 2000



Advantages: For secure mounting on drilling machines, flexible shafts and stroke grinders and optimal true running of the grinding tool PW 2000

Shaft in mm	Mounting	Tensioning discs Diameter x Bore in mm	Packing unit/pcs.	Cat. number
6	1 wheel Ø 100 - Ø 200	24/40/49 x 13 mm	1	194629
8	1-2 wheels Ø 100 - Ø 200	40/49/75 x 13 mm	1	194632

Please observe: Please see Applications Guide on page 186 - 191.

Notes



Abrasive mop discs





Kronenflex® cutting-off wheel and grinding disc

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
- ▶ Pipes
- ▶ Flat irons
- ▶ Tins
- ▶ Solid materials
- ▶ Stone
- ▶ Plastics
- ▶ Mineral 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
0,8–1,0 mm	216
1,6–2,0 mm	222
2,0–3,2 mm	226
large cutting-off wheel	236

Kronenflex® grinding discs

Kronenflex® grinding discs	Page
grinding disc	247

Kronenflex® cutting-off wheel and grinding disc

Application guides

1. EAN-Code (EAN-13)
2. Safety pictograms
3. Max. operating speed
4. Klingspor Cat. No.
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®

Quality 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

Optimized 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 wheel and grinding disc

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, shear strength and can be adjusted to meet the needs of the specific application .



3. Metal ring

Provides information on the production period of the disc and protects the machine spindle.

4. Glass fibre

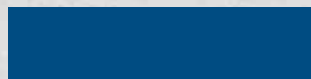
Glass fibre is a reinforcing layer to ensure stability and increases the safety of the cutting-off wheel. The number and strength of the glass fibre layers is dependent upon disc type and application. The higher the potential lateral load on a cutting-off disc (it is greater during free cutting than 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, despite of the thin discs, ensure that a large grit ratio is achieved between the layers.

Grinding discs are constructed with at least 3 glass fibre layers.

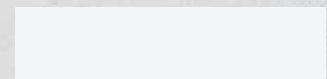
Klingspor cutting-off wheel and grinding disc colour coding system



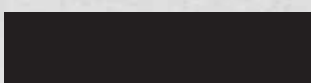
Metal universal:
Grey



Stainless steel:
Blue



Aluminium:
Silver



Steel:
Black



Castings:
Red



Stone/concrete:
Green

Kronenflex® cutting-off wheel and grinding disc

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. Proper 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 operate the product properly. This also applies for legal reasons, also as regards the expiry date. Principally the following applies: cutting-off wheels and grinding discs may 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 proper use

Ensure that the respective disc is being used properly. Avoid damage to the mounting bore or to the disc through jerks, excessive force, or falls.

Ensure that the disc is properly 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 according 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 proper grinding pressure

An important requirement for a satisfactory cutting result is the correct dose of 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

...for 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: the service life of a cutting-off wheel is dependent on whether the cutting surface of the workpieces 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.

...for 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.

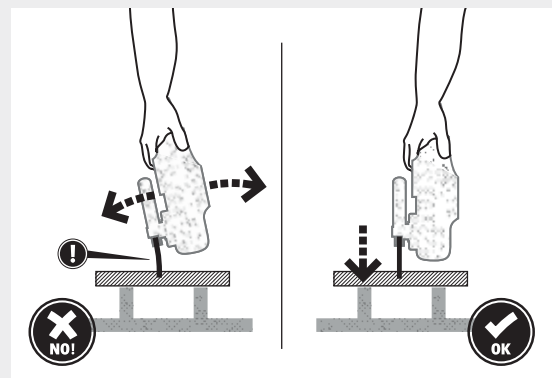
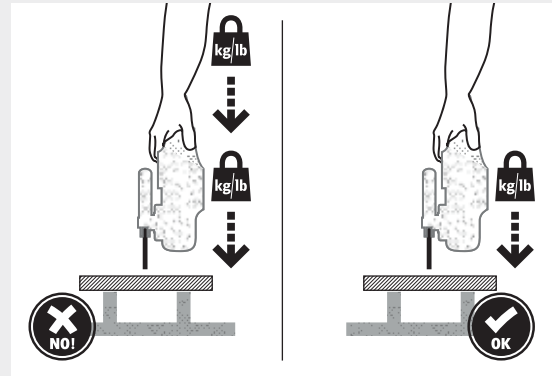
A medium or soft disc bond would be best for finish grinding.

Kronenflex® cutting-off wheel and grinding disc

Application guides

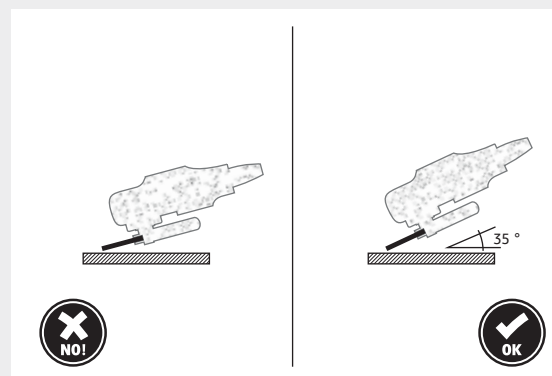
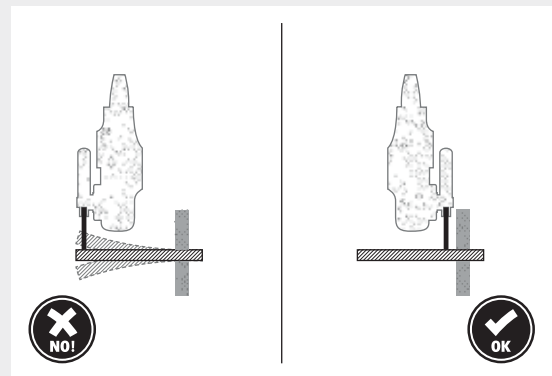
Correct application/techniques for cutting-off

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...

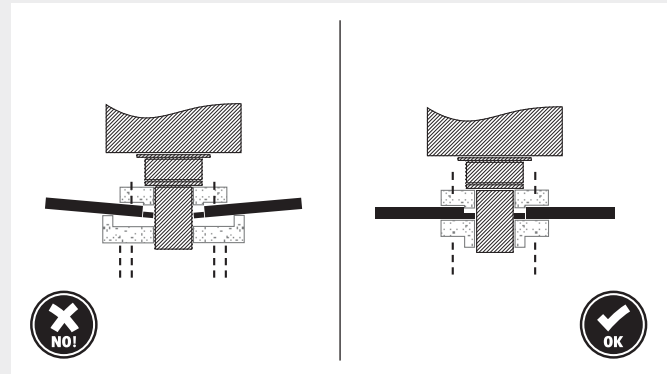
... for better power transmission

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.

... and for more safety

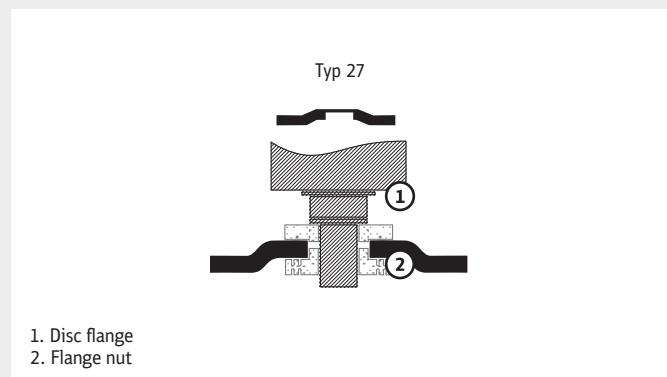
The use of wheel flange FL 76 provides increased lateral stability and user control, specifically when using thin cutting-off wheels with a flat form and diameter of 180 mm and 230 mm.

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.



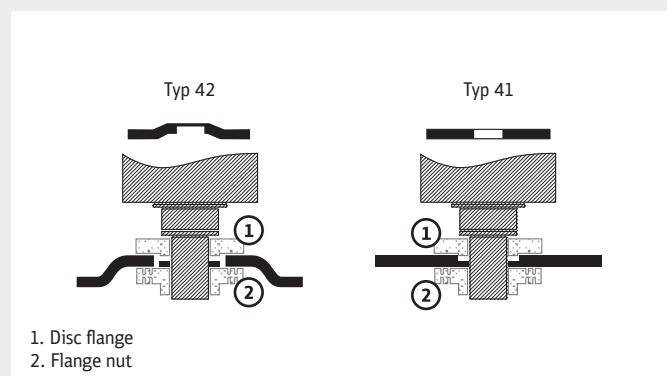
Depressed centre grinding disc

4 - 10 mm thickness



Flat and depressed centre cutting-off wheels

0.8 - 4 mm thickness



Recognise and avoid errors

	Issue	Possible cause	Solution
Cutting-off discs	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!
	Disc periphery is frayed	Material is not properly affixed	Mount the material closer to the cutting site
		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
	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!

Recognise and avoid errors

Issue	Possible cause	Solution
Grinding discs	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
	Disc is loaded/clogged	Bond is too hard Select a softer bond
		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 or incorrect	Replace / clean mounting flange / check dimensions
	Disc wobbles	Use a new disc

The safe use of Klingspor abrasives

Klingspor cutting-off wheels and grinding discs are manufactured in accordance with the oSa and EN12413 standards, this ensures the highest level of user safety.



Wear safety goggles or glasses to protect the eyes



Wear dust mask



Use ear muffs



Wear safety gloves to protect hands



Observe safety instructions



Do not use for wet grinding

Kronenflex® cutting-off wheels

0.8 – 1.0 mm

About the product

Klingspor Kronenflex® cutting-off wheels with disc thickness of 0.8 to 1.0 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 1.0 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	Cooper	Brass	Zinc die-casting	Cast iron	Page
A 60 EXTRA	1,0	●	○	○	●	○	○	○	○	○	○	○	○	217
A 60 R SUPRA INOX	1,0	●	●	●	●	○	○	○	○	○	○	○	○	219
A 60 TZ SPECIAL INOX	1,0	●	●	●	●	●	●	○	○	○	○	●	○	219
A 960 TZ SPECIAL	1,0	●	●	●	●	●	●	○	○	○	○	●	○	220
A 980 TZ SPECIAL	0,8	●	●	●	●	●	●	●	○	○	○	○	○	217
A 60 N SUPRA	1,0	○	○	○	○	○	○	●	●	●	●	○	○	221
Z 960 TX SPECIAL	1,0	●	●	●	●	●	●	○	○	○	○	●	○	221

● = main application ○ = possible applications

Kronenflex® Box

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® Box.

In comparison with carton packaging the discs stay fresh much longer and gain up to 40% more performance

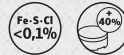


Kronenflex® cutting-off wheels 0,8 – 1,0 mm for hand held machines



Cutting-off wheel INOX

A 980 TZ SPECIAL



NEW

Quality	SPECIAL	Applications:	
Bond	■■■■■□	Stainless steel	●
Aggression	■■■■■□	Steel	●
Service life	■■■■■□	NF metals	●

Advantages: Free of iron, sulfur and chlorine - Very short cutting times - Very precise and clean cuts - Low thermal load - Minimal burr formation, minimizing finish-machining - 25 pieces delivered in the Kronenflex® box 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
115 x 0,8 x 22,23		80 m/s	13,300 rpm	25	322182
125 x 0,8 x 22,23		80 m/s	12,200 rpm	25	322183

Cutting-off wheel

A 60 EXTRA



Quality	EXTRA	Applications:	
Bond	■■■■■□	Stainless steel	●
Aggression	■■■■■□	Metals	●
Service life	■■■■■□		

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
115 x 1 x 22,23		80 m/s	13,300 rpm	25	262936
125 x 1 x 22,23		80 m/s	12,200 rpm	25	262937

Kronenflex® cutting-off wheels 0,8 – 1,0 mm

for hand held machines

Cutting-off wheel

A 60
EXTRA



Quality	EXTRA
Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications:	
Stainless steel	●
Metals	●

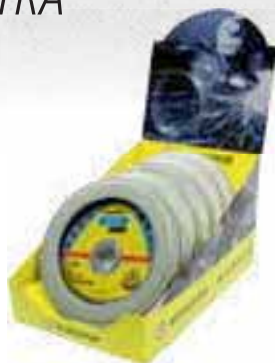
Advantages: Minimal burr formation - Low thermal load - Very good price-performance ratio - 10 pieces in a tin with viewing window

Diameter x Width Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/Tin	Cat. number
125 x 1 x 22,23	— — —	80 m/s	12,200 rpm	10 discs	310500

Minimum order quantity = 5 tins

Cutting-off wheel

A 60
EXTRA



Quality	EXTRA
Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications:	
Stainless steel	●
Metals	●

Advantages: Minimal burr formation - Low thermal load - Very good price-performance ratio - 5 tins in a sales display

Diameter x Width Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/Display	Cat. number
125 x 1 x 22,23	— — —	80 m/s	12,200 rpm	5 tins with 10 discs	312031

Please observe: Please see Applications Guide on page 206 - 215, 216.

Kronenflex® cutting-off wheels 0,8 – 1,0 mm for hand held machines



Cutting-off wheel INOX

A 60 R SUPRA



Quality	SUPRA	Applications:
Bond	■ ■ ■ ■ ■ ■ ■ ■	Stainless steel ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	Steel ●
Service life	■ ■ ■ ■ ■ ■ ■ ■	NF metals ○

Advantages: Minimal burr formation - Low thermal load

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 1 x 22,23	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	13,300 rpm	25	249512
125 x 1 x 22,23	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	12,200 rpm	25	249513

Cutting-off wheel

A 60 TZ SPECIAL



Quality	SPECIAL	Applications:
Bond	■ ■ ■ ■ ■ ■ ■ ■	Stainless steel ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	NF metals ●
Service life	■ ■ ■ ■ ■ ■ ■ ■	Steel ○

Advantages: Free of iron, sulfur 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
100 x 1 x 16	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	15,300 rpm	25	202402
115 x 1 x 22,23	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	13,300 rpm	25	202400
115 x 1 x 22,23	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	13,300 rpm	25	233741
125 x 1 x 22,23	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	12,200 rpm	25	202401
125 x 1 x 22,23	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	12,200 rpm	25	233742

Please observe: Please see Applications Guide on page 206 - 215, 216.

Kronenflex® cutting-off wheels 0,8 – 1,0 mm

for hand held machines

Cutting-off wheel

A 60 TZ SPECIAL



Quality	SPECIAL
Bond	■■■■■■■□
Aggression	■■■■■■■□
Service life	■■■■■■■□

Applications:	
Stainless steel	●
NF metals	●
Steel	○

Advantages: Free of iron, sulfur 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
115 x 1 x 22,23	■■■■■	80 m/s	13,300 rpm	10 discs	310503
125 x 1 x 22,23	■■■■■	80 m/s	12,200 rpm	10 discs	310504

Minimum order quantity = 5 tins

Cutting-off wheel INOX

A 960 TZ SPECIAL



NEW

Quality	SPECIAL
Bond	■■■■■■■
Aggression	■■■■■■■□
Service life	■■■■■■■

Applications:	
Stainless steel	●
Steel	●

Advantages: Free of iron, sulfur and chlorine - Short cutting times and long service life - Low thermal load - Low burr formation - Optimized bonding for considerably longer service life - For diverse applications - 25 pieces delivered in the Kronenflex® box 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
115 x 1 x 22,23	■■■■■	80 m/s	13,300 rpm	25	322180
125 x 1 x 22,23	■■■■■	80 m/s	12,200 rpm	25	322181

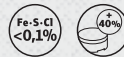
Please observe: Please see Applications Guide on page 206 - 215, 216.

Kronenflex® cutting-off wheels 0,8 – 1,0 mm for hand held machines



Cutting-off wheel INOX

Z 960 TX SPECIAL



NEW

Quality	SPECIAL	Applications:
Bond	■■■■■■■■	Stainless steel ●
Aggression	■■■■■■■■	Alloys ●
Service life	■■■■■■■■	Carbon steel ●
		Titanium ●

Advantages: Free of iron, sulfur 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® box 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
115 x 1 x 22,23	—	80 m/s	13,300 rpm	25	322184
125 x 1 x 22,23	—	80 m/s	12,200 rpm	25	322185

Cutting-off wheel

A 60 N SUPRA



Quality	SUPRA	Applications:
Bond	■■■□□□□	Aluminium ●
Aggression	■■■■■□□	Steel ○
Service life	■■■■■□□	

Advantages: Special combination prevents smearing and clogging - Minimal burr formation

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 1 x 22,23	—	80 m/s	13,300 rpm	25	264297
125 x 1 x 22,23	—	80 m/s	12,200 rpm	25	264298

Kronenflex® cutting-off wheels

1.6 – 2.0 mm

About the product

Klingspor Kronenflex® cutting-off wheels with disc thickness of 1.6 to 2.0 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 2.0 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

Type	Thickness [mm]	Material applications											Page
		Steel	Hardened Steel	Tool steel	Stainless steel	High alloy steels	Corrosion and acid proof steels	Aluminium	Bronze	Copper	Brass	Zinc die-casting	
A 46 EXTRA	1,6	●	○	○	●	○	○	○	○	○	○	○	223
A 46 R SUPRA	1,6	●	●	○	●	○	○	○	○	○	○	○	223
A 46 TZ SPECIAL INOX	1,6–1,9	●	●	●	●	●	●	○	○	○	○	●	224
A 46 VZ SPECIAL INOX	2	○	○	●	●	●	●					○	225

● = main application ○ = possible applications

Kronenflex® cutting-off wheels 1,6 – 2,0 mm for hand held machines



Cutting-off wheel

A 46 EXTRA



Quality	EXTRA
Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:	
Stainless steel	●
Metals	●

Advantages: Minimal burr formation - Standard cutting-off wheel with outstanding price-performance ratio

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 1,6 x 22,23	—	80 m/s	13,300 rpm	25	263247
125 x 1,6 x 22,23	—	80 m/s	12,200 rpm	25	263248

Cutting-off wheel INOX

A 46 R SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:	
Stainless steel	●
Steel	●

Advantages: Minimal burr formation - Optimized service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
125 x 1,6 x 22,23	—	80 m/s	12,200 rpm	25	222954

Kronenflex® cutting-off wheels 1,6 – 2,0 mm

for hand held machines

Cutting-off wheel INOX

A 46 TZ

SPECIAL



Quality

SPECIAL

Bond ■■■■■■□

Aggression ■■■■■■□□

Service life ■■■■■■

Applications:

Stainless steel ●

Steel ○

Advantages: Minimal burr formation - High-performance cutting-off wheel with long service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 1,6 x 16	—	80 m/s	15,300 rpm	25	194071
115 x 1,6 x 22,23	—	80 m/s	13,300 rpm	25	187170
115 x 1,6 x 22,23	—	80 m/s	13,300 rpm	25	235378
125 x 1,6 x 22,23	—	80 m/s	12,200 rpm	25	187171
125 x 1,6 x 22,23	—	80 m/s	12,200 rpm	25	235379
150 x 1,6 x 22,23	—	80 m/s	10,200 rpm	25	241472
180 x 1,6 x 22,23	—	80 m/s	8,500 rpm	25	221161
230 x 1,9 x 22,23	—	80 m/s	6,600 rpm	25	224084
230 x 1,9 x 22,23	—	80 m/s	6,600 rpm	25	265044

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	Suitable for	Packing unit/pcs.	Cat. number
76	A 46 TZ	1	236130

Please observe: Please see Applications Guide on page 206 - 215, 222.

Kronenflex® cutting-off wheels 1,6 – 2,0 mm for hand held machines



Thin cutting-off wheel & grinding disc

A 46 VZ SPECIAL



Quality	SPECIAL	Applications:
Bond	■■■■■■■□	Stainless steel ●
Aggression	■■■■■■■□	NF metals ●
Service life	■■■■■■■□	Steel ○

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
115 x 2 x 22,23		80 m/s	13,300 rpm	25	298176
125 x 2 x 22,23		80 m/s	12,200 rpm	25	298177

Kronenflex® cutting-off wheels

2.0 – 3.2 mm

About the product

Klingspor Kronenflex® cutting-off wheels with disc thickness of 2.0 to 3.2 mm are known for their particularly high lateral stability.

This is particularly 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 particularly 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	Cooper	Brass	Zinc die-casting	Cast iron	Stone / concrete	Page
A 24 EXTRA	2,0–3,2	●	○	●	○	○	○	○	○	○	○	○	○		227
A 24 R SUPRA	2,5–3,0	●	●	●	○	○	○					○	○		228, 233
A 24 N SUPRA INOX	2,5–3,0	○	●	○	●	●	●	○	○	○	○				229
A 36 R SUPRA INOX	2,0–2,5	○	○	●	●	●	●		○	○	○				229
A 36 TZ SPECIAL INOX	2,0	○	○	●	●	●	●						○		230
A 24 R/36 SPECIAL INOX	2,5–3,0	○	○	●	●	●	●								231
A 24 TZ SPECIAL	2,5–3,0	○		○	●	●	●						○		230
A 46 N SUPRA	2,5–3,0							●	●	●	●	○			231
A 24 S SUPRA	3,0	○											●		232
C 24 EXTRA	2,5–3,0													●	232
C 24 R SUPRA	2,5–3,0												○	●	233

● = main application ○ = possible applications

Kronenflex® cutting-off wheels 2,0 – 3,2 mm for hand held machines



Cutting-off wheel

A 24 EXTRA



Quality	EXTRA
Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

Applications:
Metals ●

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
100 x 2,5 x 16		80 m/s	15,300 rpm	25	188998
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	242137
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	188461
115 x 3,2 x 22,23		80 m/s	13,300 rpm	25	209014
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	242138
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	188463
125 x 3,2 x 22,23		80 m/s	12,200 rpm	25	209016
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	235375
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	235374
180 x 2 x 22,23		80 m/s	8,500 rpm	25	286455
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13490
180 x 3 x 22,23		80 m/s	8,500 rpm	25	189000
230 x 2 x 22,23		80 m/s	6,600 rpm	25	286456
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13492
230 x 3 x 22,23		80 m/s	6,600 rpm	25	189002

Please observe: Please see Applications Guide on page 206 - 215, 226.

Kronenflex® cutting-off wheels 2,0 – 3,2 mm

for hand held machines

Cutting-off wheel

A 24 R

SUPRA



Quality

SUPRA

Applications:

Bond ■■■■■■□□

Steel ●

Aggression ■■■■■■□□

Stainless steel ○

Service life ■■■■■■□□

Castings ○

Advantages: Optimized 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
100 x 2,5 x 16		80 m/s	15,300 rpm	25	13754
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	13297
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	13466
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	13295
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	13738
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	6667
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13456
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13470
180 x 3,5 x 22,23		80 m/s	8,500 rpm	25	13474
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13464
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13478

Please observe: Please see Applications Guide on page 206 - 215, 226.

Kronenflex® cutting-off wheels 2,0 – 3,2 mm for hand held machines



Cutting-off wheel INOX

A 24 N SUPRA



Quality

SUPRA

Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications:

Stainless steel	●
Aluminium	○

Advantages: Special recipe prevents smearing and clogging - 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
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	3020
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	2951
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	235377
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13455
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13469
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13463
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13477

Cutting-off wheel INOX

A 36 R SUPRA



Quality

SUPRA

Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications:

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

Advantages: Excellent cutting performance - Optimized aggression and service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2 x 22,23		80 m/s	13,300 rpm	25	123208
125 x 2 x 22,23		80 m/s	12,200 rpm	25	126849
150 x 2 x 22,23		80 m/s	10,200 rpm	25	251752
180 x 2,5 x 22,23		80 m/s	8,500 rpm	25	123209
230 x 2,5 x 22,23		80 m/s	6,600 rpm	25	123833

Kronenflex® cutting-off wheels 2,0 – 3,2 mm

for hand held machines

Cutting-off wheel INOX

A 36 TZ SPECIAL



Quality	SPECIAL
Bond	■■■■■□
Aggression	■■■■■
Service life	■■■■■□□

Applications:	
Stainless steel	●
Steel	○

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
115 x 2 x 22,23	■■■	80 m/s	13,300 rpm	25	136549
125 x 2 x 22,23	■■■	80 m/s	12,200 rpm	25	136550
180 x 2 x 22,23	■■■	80 m/s	8,500 rpm	25	136551
230 x 2 x 22,23	■■■	80 m/s	6,600 rpm	25	136552

Cutting-off wheel INOX

A 24 TZ SPECIAL



Quality	SPECIAL
Bond	■■■■■□
Aggression	■■■■□□
Service life	■■■■■□

Applications:	
Stainless steel	●
Steel	○

Advantages: Optimized combination for use on stainless steel

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2,5 x 22,23	■■■	80 m/s	13,300 rpm	25	136554
125 x 2,5 x 22,23	■■■	80 m/s	12,200 rpm	25	136555
180 x 3 x 22,23	■■■	80 m/s	8,500 rpm	25	136558
230 x 3 x 22,23	■■■	80 m/s	6,600 rpm	25	136559

Please observe: Please see Applications Guide on page 206 - 215, 226.

Kronenflex® cutting-off wheels 2,0 – 3,2 mm for hand held machines



Cutting-off wheel INOX

A 24 R/36 SPECIAL



Quality	SPECIAL
Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:
Stainless steel ●

Advantages: Special wheel for the nuclear industry - Free of iron, sulfur and chlorine

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 2,5 x 16		80 m/s	15,300 rpm	25	60533
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	60534
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	2825
180 x 3 x 22,23		80 m/s	8,500 rpm	25	60537
230 x 3 x 22,23		80 m/s	6,600 rpm	25	60061

Cutting-off wheel

A 46 N SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:
Aluminium ●

Advantages: Special combination prevents smearing and clogging - Optimized cutting off performance on non-ferrous metals

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	170707
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	170708
180 x 3 x 22,23		80 m/s	8,500 rpm	25	170709
230 x 3 x 22,23		80 m/s	6,600 rpm	25	170710

Kronenflex® cutting-off wheels 2,0 – 3,2 mm

for hand held machines

Cutting-off wheel

A 24 S

SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:	
Castings	●
Steel	○

Advantages: Optimized cutting performance on cast and steel materials

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13462

Cutting-off wheel

C 24

EXTRA



Quality	EXTRA
Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:	
Stone/Concrete	●

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
100 x 2,5 x 16		80 m/s	15,300 rpm	25	188999
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	242143
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	188462
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	242144
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	188464
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13489
180 x 3 x 22,23		80 m/s	8,500 rpm	25	189001
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13491
230 x 3 x 22,23		80 m/s	6,600 rpm	25	189003

Please observe: Please see Applications Guide on page 206 - 215, 226.

Kronenflex® cutting-off wheels 2,0 – 3,2 mm for hand held machines



Cutting-off wheel

C 24 R SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □

Applications:	
Stone/Concrete	●
Castings	○

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
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	13465
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	13739
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	6668
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13453
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13461
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13475

Small abrasive wheel

A 24 R SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □

Applications:	
Steel	●
Stainless steel	○
Castings	○

Advantages: For universal use in hard-to-reach areas

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
40 x 2 x 6		80 m/s	38,200 rpm	100	130536
50 x 2 x 6		80 m/s	30,600 rpm	100	130537
70 x 2 x 6		80 m/s	21,800 rpm	100	134234
70 x 2 x 10		80 m/s	21,800 rpm	100	130540

Please observe: Please see Applications Guide on page 206 - 215, 226.

Fixing spindle

Fixing spindle

Fixing spindle



Advantages: Secure clamping of the small abrasive wheel A 24 R Supra

Mounting	Thread diameter	Packing unit/pcs.	Cat. number
6 mm	6 mm	1	2790
10 mm	6 mm	1	2789



A large grid of small squares, intended for taking notes.

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.

Its 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. This product is the ideal solution if outstanding performance and a high degree of safety is what is needed.

Type	Thickness [mm]	Material applications																	Machines			Page
		Steel	Hardened steels	Tool steel	Stainless steel	High-alloy steels	Corrosion and acid proof steels	Aluminium	Bronze	Cooper	Brass	Zinc die-casting	Cast iron	Stone / concrete	Asphalt	Bench chop saws	Hand held machines 80m/s	Hand held machines 100m/s	Stationary < 5KW			
A 24 EXTRA	3,5	●	○	●	○	○	○						○				●			239		
C 24 EXTRA	3,5												○	●	○		●			239		
A 24 R SUPRA	3,0–4,5	●	●	●	○	○	○						○						●	243		
A 24 N SUPRA INOX	3,5	○	●	●	●	●	●	○	○	○	○	○							●	243		
A 24 R SPECIAL	3,5–4,0	●	●	●	●	●	●						○				●			240		
T 24 AX SPECIAL	3,5–4,0	●	●															●		242		
C 24 RA SUPRA	3,5–4,0													○	●		●			241		
C 24 RT SPECIAL	3,5													●			●			241		
C 24 RT/ 34 SPECIAL	3,5	●											○	○			●			240		
A 30 N SPECIAL	2,5–3,5	●	○	○	○	○	○	○	○	○	○	○	○			●				244		
● = main application ○ = possible applications																						

● = main application ○ = possible applications

Cutting-off wheels for different types of machines:

- ▶ Handheld machines 80m/s
- ▶ Handheld machines with a clamping device for vigonole rails 100m/s
- ▶ Transportable bench chop saws < 3KW
- ▶ Stationary saws / cutters up to 5KW
- ▶ Stationary saws / cutters > 5KW

ATTENTION! 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 hand held machines.

Products for railway construction with a clamping device are certified up to 100 m/s.

Products for transportable bench chop saws

Cutting-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 hand held 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 hand held 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 grinding
C 24 EXTRA	300	3,5	20/22,23		80 m/s	
A 24 R SUPRA	250	3	32	stationary saws / cutters	100 m/s	>3 KW
	300	3	22,23/25,4/30/32		100 m/s	>3 KW
	350	3,5	25,4/32		100 m/s	stationary guided grinding >3 KW
	400	4,5	25,4/32/40		100 m/s	>3 KW
A 24 N SUPRA	350	3,5	25,4		100 m/s	>3 KW
A 24 R/06 SUPRA	400	4	25,4		100 m/s	>5 KW
A 24 R SPECIAL	300	3,5	20/22, 23/25,4	general handheld machines (petrol, electric, high frequency)	80 m/s	freehand grinding
	350	4	20/22, 23/25,4		80 m/s	
T 24 AX SPECIAL	300	3,5	22,23	general handheld machines (petrol, electric, high frequency, hydraulic) with a clamping device	100 m/s	stationary guided grinding
	350	4	22,23/25,4		100 m/s	
	400	4,5	25,4		100 m/s	
C 24 RA SPECIAL	300	3,5	20	general handheld machines, joint cutters (petrol, electric, high frequency)	80 m/s	freehand grinding
	350	4	20/25,4		80 m/s	
A 30 N SPECIAL	300	2,5	25,4	transportable bench chop saws, chop saws	80 m/s	<3 KW
	350	3	25,4		80 m/s	stationary guided grinding <3 KW
	400	3,5	25,4		80 m/s	<3 KW
C 24 RT SPECIAL	300	3,5	20	general handheld machines (petrol, electric, high frequency)	80 m/s	freehand grinding
C 24 RT/34 SPECIAL	300	3,5	20		80 m/s	

Kronenflex® large cutting-off wheels

for petrol driven saw / cutter



Cutting-off wheel

A 24 EXTRA



Quality	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 free-hand 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
300 x 3,5 x 20	■ ■ ■	80 m/s	5,100 rpm	10	288221
300 x 3,5 x 22,23	■ ■ ■	80 m/s	5,100 rpm	10	288222

Cutting-off wheel

C 24 EXTRA



Quality	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 free-hand 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
300 x 3,5 x 20	■ ■ ■	80 m/s	5,100 rpm	10	288223
300 x 3,5 x 22,23	■ ■ ■	80 m/s	5,100 rpm	10	288224

Kronenflex® large cutting-off wheels

for petrol driven saw / cutter

Cutting-off wheel

A 24 R SPECIAL



Quality	SPECIAL	Applications:
Bond	■ ■ ■ ■ ■ □ □	Steel ●
Aggression	■ ■ ■ ■ ■ □ □	Stainless steel ○
Service life	■ ■ ■ ■ ■ □ □	Castings ○

Advantages: Fast cutting, also of solid material - Optimized combination for use on steel - Can be also used on stainless steel - For use on gas-powered free-hand 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
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288245
300 x 3,5 x 22,23	—	80 m/s	5,100 rpm	10	288246
300 x 3,5 x 25,4	—	80 m/s	5,100 rpm	10	288247
350 x 4 x 20	—	80 m/s	4,400 rpm	10	288248
350 x 4 x 22,23	—	80 m/s	4,400 rpm	10	288249
350 x 4 x 25,4	—	80 m/s	4,400 rpm	10	288250

Cutting-off wheel

C 24 RT/34 SPECIAL



Quality	SPECIAL	Applications:
Bond	■ ■ ■ ■ □ □ □	Steel ●
Aggression	■ ■ ■ ■ ■ □ □	Castings ○
Service life	■ ■ ■ ■ ■ □ □	Stone/Concrete ○

Advantages: Special combination for concrete/castings - Performant due to sharp, coarse SiC grain - For use on gas-powered free-hand 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
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288256

Please observe: Please see Applications Guide on page 206 - 215, 236 - 238.

Kronenflex® large cutting-off wheels

for petrol driven saw / cutter



Cutting-off wheel

C 24 RA SPECIAL



Quality	SPECIAL	Applications:
Bond	■ ■ ■ ■ ■ ■ ■ ■	Asphalt ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	Stone/Concrete ○
Service life	■ ■ ■ ■ ■ ■ ■ ■	

Advantages: Special combination for asphalt - No clogging - Sharp, coarse SiC grain - For use on gas-powered free-hand 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
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288251
350 x 4 x 20	—	80 m/s	4,400 rpm	10	288252
350 x 4 x 25,4	—	80 m/s	4,400 rpm	10	288253

Cutting-off wheel

C 24 RT SPECIAL



Quality	SPECIAL	Applications:
Bond	■ ■ ■ ■ ■ ■ ■ ■	Stone/Concrete ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	
Service life	■ ■ ■ ■ ■ ■ ■ ■	

Advantages: Optimal for all mineral materials due to sharp, coarse SiC grain - For use on gas-powered free-hand 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
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288254

Kronenflex® large cutting-off wheels

for petrol driven saw / cutter with clamping device

Cutting-off wheel

T 24 AX

SPECIAL



Quality	SPECIAL
Bond	■■■■■■■□
Aggression	■■■■■■■□
Service life	■■■■■■■□

Applications:
Steel ●

Advantages: For universal use on all rail types - Very fast cutting - Maximum aggressiveness and service life due to hardened special aluminium oxide - 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
300 x 3,5 x 22,23	■—■	100 m/s	6,400 rpm	10	314012
350 x 4 x 22,23	■—■	100 m/s	5,500 rpm	10	314013
350 x 4 x 25,4	■—■	100 m/s	5,500 rpm	10	314014
400 x 4 x 25,4	■—■	100 m/s	4,800 rpm	10	314035

Please observe: Please see Applications Guide on page 206 - 215, 236 - 238.

Kronenflex® large cutting-off wheels

for stationary cutting



Cutting-off wheel

A 24 R SUPRA



Quality SUPRA

Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:

Steel	●
Stainless steel	○
Castings	○

Advantages: Optimized 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
250 x 3 x 32	—	100 m/s	7,600 rpm	10	2465
300 x 3 x 22,23	—	100 m/s	6,400 rpm	10	71365
300 x 3 x 25,4	—	100 m/s	6,400 rpm	10	6793
300 x 3 x 30	—	100 m/s	6,400 rpm	10	13524
300 x 3 x 32	—	100 m/s	6,400 rpm	10	6807
350 x 3,5 x 25,4	—	100 m/s	5,500 rpm	10	13528
350 x 3,5 x 32	—	100 m/s	5,500 rpm	10	13536
400 x 4,5 x 25,4	—	100 m/s	4,800 rpm	10	292933
400 x 4,5 x 32	—	100 m/s	4,800 rpm	10	292932
400 x 4,5 x 40	—	100 m/s	4,800 rpm	10	296567

Cutting-off wheel INOX

A 24 N SUPRA



Quality SUPRA

Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:

Stainless steel	●
Steel	○
Aluminium	○

Advantages: Hardened aluminium oxide - Special combination prevents smearing and clogging - 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
350 x 3,5 x 25,4	—	100 m/s	5,500 rpm	10	13527

Kronenflex® large cutting-off wheels

for stationary cutting

Cutting-off wheel

A 30 N

SPECIAL



Quality	SPECIAL	Applications:
Bond	■ ■ ■ ■ ■ ■ ■ ■	Steel ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	Stainless steel ○
Service life	■ ■ ■ ■ ■ ■ ■ ■	Aluminium ○
		Castings ○

Advantages: For universal use on chop saws - Minimal burr formation - Can be used on table cutting-off machines < 3 kW

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
300 x 2,5 x 25,4	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	5,100 rpm	10	119627
350 x 3 x 25,4	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	4,400 rpm	10	119628
400 x 3,5 x 25,4	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	3,800 rpm	10	119629

Please observe: Please see Applications Guide on page 206 - 215, 236 - 238.



A large grid of small squares, intended for taking notes.

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 programme.

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.

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	Cooper	Brass	Zinc die-casting	Cast iron	Stone / concrete
A 24 EXTRA	6,0–8,0	●	○	○	○	○	○					○	○	
A 24 EXTRA T	6,0–8,0	●	○	○	○	○	○						○	
A 24 R SUPRA	4,0–10	●	●	●	○	○	○						○	
A 24 R/01 SPECIAL	4,0	●	●	●	○	○	○							
A 24 N SUPRA INOX	6,0–8,0	○	●	○	●	●	●							
A 24 R/36 SPECIAL	6,0	○	○	○	●	●	●							
A 46 N SUPRA	6,0–8,0							●	○	○	○	○		
A 624 T SUPRA	6,0	●	●	●	●	○	○					○	●	
AC 24 R SUPRA	8,0												●	
A 24 TX SPECIAL	6	○	○	○	○	○	○						●	
C 24 R SUPRA	6												○	●

● = main application ○ = possible applications

Kronenflex® grinding discs

for hand held machines

Grinding disc

A 24 EXTRA



Quality	EXTRA
Bond	■ ■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

Applications:
Metals ●

Advantages: Standard disc with excellent price-performance ratio - For universal use in metal-working - 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
100 x 6 x 16		80 m/s	15,300 rpm	10	189004
115 x 6 x 22,23		80 m/s	13,300 rpm	10	188465
125 x 6 x 22,23		80 m/s	12,200 rpm	10	188466
150 x 6 x 22,23		80 m/s	10,200 rpm	10	235371
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13444
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13446
230 x 6 x 22,23		80 m/s	6,600 rpm	10	13447
230 x 8 x 22,23		80 m/s	6,600 rpm	10	13448

Grinding disc

A 24 EXTRA T



Quality	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
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13794
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13445
230 x 6 x 22,23		80 m/s	6,600 rpm	10	277571

Please observe: Please see Applications Guide on page 206 - 215, 246 - 247.















Grinding disc

A 24 R SUPRA



Quality	SUPRA	Applications:
Bond	■ ■ ■ ■ □ □ □	Steel ●
Aggression	■ ■ ■ ■ □ □ □	Stainless steel ○
Service life	■ ■ ■ ■ □ □ □	Castings ○

Advantages: With optimized 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
100 x 4 x 16		80 m/s	15,300 rpm	10	13400
100 x 6 x 16		80 m/s	15,300 rpm	10	6578
115 x 4 x 22,23		80 m/s	13,300 rpm	10	13746
115 x 6 x 22,23		80 m/s	13,300 rpm	10	13401
125 x 4 x 22,23		80 m/s	12,200 rpm	10	240831
125 x 6 x 22,23		80 m/s	12,200 rpm	10	13402
150 x 6 x 22,23		80 m/s	10,200 rpm	10	13403
180 x 4 x 22,23		80 m/s	8,500 rpm	10	13408
180 x 7 x 22,23		80 m/s	8,500 rpm	10	13413
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13418
180 x 10 x 22,23		80 m/s	8,500 rpm	10	13423
230 x 4 x 22,23		80 m/s	6,600 rpm	10	13428
230 x 6 x 22,23		80 m/s	6,600 rpm	10	13433
230 x 8 x 22,23		80 m/s	6,600 rpm	10	13438



Grinding disc

A 24 R/01 SPECIAL



Quality	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
125 x 4 x 22,23		80 m/s	12,200 rpm	10	130825
180 x 4 x 22,23		80 m/s	8,500 rpm	10	13756

Kronenflex® grinding discs

for hand held machines

Grinding disc INOX

A 24 N SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

Applications:	
Stainless steel	●
Aluminium	○

Advantages: High removal rate on stainless steel - Optimal ratio between removal and wear - Very high aggressiveness and long service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 6 x 22,23		80 m/s	13,300 rpm	10	2923
125 x 6 x 22,23		80 m/s	12,200 rpm	10	2922
180 x 4 x 22,23		80 m/s	8,500 rpm	10	13407
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13412
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13417
230 x 6 x 22,23		80 m/s	6,600 rpm	10	13432

Grinding disc

A 24 R/36 SPECIAL



Quality	SPECIAL
Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

Applications:	
Stainless steel	●

Advantages: Special wheel for the nuclear industry - Free of iron, sulfur 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
115 x 6 x 22,23		80 m/s	13,300 rpm	10	2488
125 x 6 x 22,23		80 m/s	12,200 rpm	10	2830
180 x 6 x 22,23		80 m/s	8,500 rpm	10	2463

Please observe: Please see Applications Guide on page 206 - 215, 246 - 247.

Grinding disc





A 46 N SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:
Aluminium ●

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
115 x 6 x 22,23		80 m/s	13,300 rpm	10	6622
125 x 6 x 22,23		80 m/s	12,200 rpm	10	2226
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13410
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13415

Grinding disc

AC 24 R SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ ■ ■ ■ ■
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■

Applications:
Castings ●

Advantages: High removal rate on steel and gray cast iron - Ideal for workpieces with sand inclusions due to the grit mixture of silicon carbide and aluminium oxide

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
230 x 8 x 22,23		80 m/s	6,600 rpm	10	252871

Kronenflex® grinding discs

for hand held machines

Grinding disc

A 624 T SUPRA



Quality	SUPRA
Bond	■■■■■■■□
Aggression	■■■■□□□
Service life	■■■■■■■□

Applications:	
Steel	●
Stainless steel	●
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
115 x 6 x 22,23		80 m/s	13,300 rpm	10	325215
125 x 6 x 22,23		80 m/s	12,200 rpm	10	325216
180 x 6 x 22,23		80 m/s	8,500 rpm	10	325217
230 x 6 x 22,23		80 m/s	6,600 rpm	10	325218

Grinding disc

A 24 TX SPECIAL



Quality	SPECIAL
Bond	■■■■■■■□
Aggression	■■■□□□□
Service life	■■■■■■■□

Applications:	
Castings	●
Stainless steel	○
Steel	○

Advantages: Ideal for use on cast parts - High aggressiveness and long service life due to hardened aluminium oxide

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
125 x 6 x 22,23		80 m/s	12,200 rpm	10	231251
230 x 6 x 22,23		80 m/s	6,600 rpm	10	231254

Please observe: Please see Applications Guide on page 206 - 215, 246 - 247.

Kronenflex® grinding discs

for hand held machines



Grinding disc

C 24 R SUPRA



Quality

SUPRA

Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

Applications:

Stone/Concrete	●
Castings	○

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
115 x 6 x 22,23		80 m/s	13,300 rpm	10	6664
125 x 6 x 22,23		80 m/s	12,200 rpm	10	6665
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13409

Kronenflex® cup grinding wheels

for hand held machines

Cup grinding wheel

A 16 R

SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ □ □ □ □

Applications:	
Steel	●
Castings	○

Advantages: For surface grinding and finish grinding of weld seams - Coarse grain for optimized aggressiveness

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
110 x 55 x 22,23		50 m/s	8,600 rpm	6	13729

Cup grinding wheel

A 30 R

SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ □ □ □ □

Applications:	
Steel	●

Advantages: For surface grinding and finish grinding of weld seams - Optimized aggressiveness and long service life

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
110 x 55 x 22,23		50 m/s	8,600 rpm	6	13728

Please observe: Use only on angle grinders with cup grinding wheel guard!
Please see Applications Guide on page 206 - 215, 246 - 247.

Kronenflex® cup grinding wheels

for hand held machines



Cup grinding wheel

C 16 R SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ □ □ □ □

Applications:	
Stone/Concrete	●
Castings	○

Advantages: For use on surfaces and edges - For stone and mineral materials - Optimized 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
110 x 55 x 22,23		50 m/s	8,600 rpm	6	13727

Cup grinding wheel

C 30 R SUPRA



Quality	SUPRA
Bond	■ ■ ■ ■ □ □ □
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ □ □ □ □

Applications:	
Stone/Concrete	●
Castings	○

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
110 x 55 x 22,23		50 m/s	8,600 rpm	6	13726

Please observe: Use only on angle grinders with cup grinding wheel guard!
Please see Applications Guide on page 206 - 215, 246 - 247.



Flexible abrasives



About the product

R-Flex abrasives

...are 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.

Mounting Points

...are 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 Points

...produce outstanding surface effects with a uniform finish. R-Flex Mottling Points are used successfully for working on stainless steel and aluminium for the construction of containers and large-scale catering equipment.

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

R-Flex wheels are, depending on the application, 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.

Types of bonding		Maximum operating speed
Z	tough, hard wearing	up to 32 m/s
E	non clogging, free cutting (ideal for aluminium)	up to 16 m/s
W	soft and pliable (ideal for stainless steel)	bis 5 m/s

Description		Material applications												Page
		Iron	Steel	Stainless steel	NF-metals	Wood	Paint / Varnish	Glass / Stone	Plastic	Leather	Paper	Ceramic	Porcelain	
R-Flex	RFS 651 bond E			●	●									258
	RFM 652 bond E				●									258
	RFR 654 bond Z/E	●	●	●	●	○	○	○	●			○	○	260
Sand Flex	SFM 656 bond W			●										259
	SFK 655 block	●	●	●	●	●	●	●	●	●	●	●	●	259

● = main application ○ = possible application

Flexible abrasives

Mounted points, mottling points

R-Flex mounted points

RFS 651



Properties

Bonding agent	Plastic
Grain	Aluminium oxide

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	Bonding agent	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
40 x 15 x 6	60	E	16 m/s	7,800 rpm	10	14006
40 x 15 x 6	120	E	16 m/s	7,800 rpm	10	14007
40 x 15 x 6	240	E	16 m/s	7,800 rpm	10	14008
50 x 10 x 6	240	E	16 m/s	6,100 rpm	10	14012
60 x 30 x 6	60	E	16 m/s	5,000 rpm	10	14030
60 x 30 x 6	120	E	16 m/s	5,000 rpm	10	14031
60 x 30 x 6	240	E	16 m/s	5,000 rpm	10	14032

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

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	Bonding agent	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
30 x 30 x 6	60	E	8 m/s	5,000 rpm	10	14033
30 x 30 x 6	120	E	8 m/s	5,000 rpm	10	14034
40 x 30 x 6	120	E	8 m/s	3,900 rpm	10	14036
50 x 30 x 6	60	E	8 m/s	3,000 rpm	10	14037
50 x 30 x 6	120	E	8 m/s	3,000 rpm	10	14038

Please observe: Please see Applications Guide on page 256 - 257.

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

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	Bonding agent	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
30 x 30 x 6	60	W	5 m/s	3,100 rpm	10	13856
30 x 30 x 6	120	W	5 m/s	3,100 rpm	10	13857
40 x 30 x 6	60	W	5 m/s	2,400 rpm	10	13859
40 x 30 x 6	120	W	5 m/s	2,400 rpm	10	13860
50 x 30 x 6	60	W	5 m/s	1,900 rpm	10	13862
50 x 30 x 6	120	W	5 m/s	1,900 rpm	10	13863
60 x 30 x 6	60	W	5 m/s	1,500 rpm	10	13865
60 x 30 x 6	120	W	5 m/s	1,500 rpm	10	13866

Hand block

SFK 655



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

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
80 x 50 x 20	30	18 pcs. in display	13800
80 x 50 x 20	60	18 pcs. in display	13801
80 x 50 x 20	120	18 pcs. in display	13802
80 x 50 x 20	240	18 pcs. in display	13803

Continuation →

Please observe: Please see Applications Guide on page 256 - 257.

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
150 x 80 x 20	30	1	13804
150 x 80 x 20	60	1	13805
150 x 80 x 20	120	1	63231
150 x 80 x 20	240	1	13807

Hand block

SFK 655



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

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
80 x 50 x 20	60, 120, 240	1	72129

R-flex wheel

RFR 654



Properties

Bonding agent Plastic

Grain Al. 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 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

Please observe: Please see Applications Guide on page 256 - 257.



Carbide Burrs



About the product

Powerful milling and leveling of surfaces and forms

Klingspor carbide burrs 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.

	Form	Page
HF 100 A	Cylinder without endcut	266
HF 100 B	Cylinder with endcut	267
HF 100 C	Ball nosed cylinder	268
HF 100 D	Ball	269
HF 100 E	Oval	269
HF 100 F	Ball nosed cone	270
HF 100 G	Tree	270
HF 100 H	Flame	271
HF 100 J	Counter sink 60 degrees	271
HF 100 K	Counter sink 90 degrees	272
HF 100 L	Ball nosed tree	272
HF 100 M	Cone	273
HF 100 N	Inverted cone	273
HF 100	Set, 40 carbide burrs	274
HF 100	Set, 5 carbide burrs	274

Cut	Materials																								
	Steel							Soft NF metals				Hard NF metals			Creep resistant materials	Cast iron	Plastics								
	Carbon steel	Tool steel	Non-alloyed steel	Case-hardened steel	Cast steel	Alloyed steel	Hardened steel	Aluminium	Messing	Cooper	Zinc	Bronze	Titanium	Titanium alloy			Aluminium alloy (high SiC contingent)	Nickel based alloy	Cobalt based alloy	Grey cast iron	White cast iron	GRP	CFRP	Ebonite / Hard rubber	Thermoplastic material
2	○	○	●	●	●	○	○		●	●	○	●	●	○	●	○	○	○	○						●
3								●	○	○	●											○	○		
6	●	●	●	●	●	●	●		○	○		○	○	○	○	●	●	●	●	○	○			○	
● = main application ○ = possible application																									

● = main application ○ = possible application

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

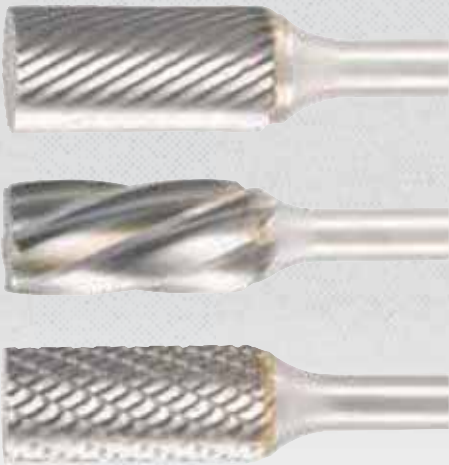
The cuts at a glance

2
Standard cut / plain cut with good finishing properties for universal applications

3 Aluminium
High stock removal rate and reduced clogging of teeth for working on long-chipping and soft materials like NF metals and plastics

6 Mega-Seller
Double cut for universal applications, improved handling and low vibration. Creates a small chip.

Additional cuts available on request!



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

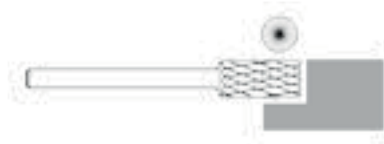


Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number
3	14	38	3	2	5	295475
3	14	38	3	6	5	295482
6,3	12,7	45	3	6	5	295506
6	18	50	6	2	1	295521
12,7	25	70	6	2	1	295602
6	18	50	6	3	1	295525
9,6	19	64	6	3	1	295563
12,7	25	70	6	3	1	295604
6	18	50	6	6	1	295531
8	19	64	6	6	1	295552
9,6	19	64	6	6	1	295568
12,7	19	64	6	6	1	295594
12,7	25	70	6	6	1	295609
16	25	70	6	6	1	295621

Please observe: Please see Applications Guide on page 262 - 265.

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
3	14	38	3	2	5	295476
3	14	38	3	6	5	295483
6,3	12,7	45	3	6	5	295507
6	18	50	6	2	1	295522
12,7	25	70	6	2	1	295603
6	18	50	6	3	1	295526
9,6	19	64	6	3	1	295564
12,7	25	70	6	3	1	295605
6	18	50	6	6	1	295532
8	19	64	6	6	1	295553
9,6	19	64	6	6	1	295569
12,7	19	64	6	6	1	295595
12,7	25	70	6	6	1	295610
16	25	70	6	6	1	295622

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
3	14	38	3	2	5	295649
3	14	38	3	6	5	295654
6,3	12,7	45	3	6	5	295673
6	18	50	6	2	1	295686
12,7	25	70	6	2	1	295747
6	18	50	6	3	1	295688
9,6	19	64	6	3	1	295725
12,7	25	70	6	3	1	295750
6	18	50	6	6	1	295694
8	19	64	6	6	1	295713
9,6	19	64	6	6	1	295727
12,7	19	64	6	6	1	295741
12,7	25	70	6	6	1	295753
16	25	70	6	6	1	295763

Please observe: Please see Applications Guide on page 262 - 265.

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
3	2,5	38	3	2	5	295778
3	2,5	38	3	6	5	295784
4	3,4	38	3	6	5	295798
6	4,7	50	6	2	1	295815
12,7	11	56	6	2	1	295856
9,6	8	54	6	3	1	300054
12,7	11	56	6	3	1	295857
6	4,7	50	6	6	1	295819
8	6	52	6	6	1	295831
9,6	8	54	6	6	1	295843
12,7	11	56	6	6	1	295859
16	14	59	6	6	1	295868

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 molded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number
8	15	60	6	6	1	295909
9,6	16	60	6	6	1	295916
12,7	22	67	6	6	1	295925

Please observe: Please see Applications Guide on page 262 - 265.

Carbide Burrs

Carbide burr

HF 100 F



Properties: Semicircular burr - Designation in accordance with DIN 8032: RBF

Advantages: Well suited for working on molded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number
3	14	38	3	2	5	295946
3	14	38	3	6	5	295951
9,6	19	64	6	3	1	295985
12,7	25	70	6	3	1	296007
6	18	50	6	6	1	295971
8	20	65	6	6	1	295978
9,6	19	64	6	6	1	295987
12,7	25	70	6	6	1	296010
16	25	70	6	6	1	296020

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
3	14	38	3	2	5	296043
3	14	38	3	6	5	296047
6,3	12,7	45	3	6	5	296055
6	18	50	6	2	1	296058
6	18	50	6	6	1	296062

Continuation →

Please observe: Please see Applications Guide on page 262 - 265.

→ Continuation of HF 100 G, Carbide Burrs

Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number
8	19	64	6	6	1	296066
9,6	19	64	6	6	1	296074
12,7	19	64	6	6	1	296079
12,7	25	70	6	6	1	296086

Carbide burr

HF 100 H



Properties: Flame-shaped burr - No designation in accordance with DIN 8032
Advantages: Well suited for working on molded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number
3	6	38	3	6	5	296106
12,7	32	77	6	2	1	297076
6	14	50	6	6	1	300046
8	19	64	6	6	1	296193
9,6	19	65	6	6	1	297074
12,7	32	77	6	6	1	296194

Carbide burr

HF 100 J



Properties: Conical burr - 60° angle - Designation in accordance with DIN 8032: KSJ
Advantages: Suitable for chamfering or beveling



All sizes and minimum purchasing quantities available on request

Carbide Burrs

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 beveling



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
3	14	38	3	6	5	296199
9,6	30	76	6	3	1	300055
12,7	32	77	6	3	1	297470
6	18	50	6	6	1	296200
8	25,4	70	6	6	1	296205
9,6	30	76	6	6	1	296201
12,7	32	77	6	6	1	296192

Please observe: Please see Applications Guide on page 262 - 265.

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
3	11	38	3	2	5	296204
3	11	38	3	6	5	296114
6	20	50	6	2	1	296133
12,7	22	71	6	2	1	296145
6	20	50	6	6	1	296136
8	18	64	6	6	1	300052
9,6	16	64	6	6	1	296144
12,7	22	71	6	6	1	296148

Carbide burr

HF 100 N



Properties: Angular burr without end-cut - Designation in accordance with DIN 8032: WKN

Advantages: Suitable for difficult-to-access, inner edges or conical profiles



All sizes and minimum purchasing quantities available on request

Carbide Burrs

Carbide burr

HF 100 Set



Properties: 40-piece burr set, cut 6, in lockable Klingspor presentation box - Contents: Form (B, C, F, G and L) in 4 different dimensions

Advantages: All top sellers at a glance

Size in mm in mm	Cut	Packing unit/pcs.	Cat. number
165 x 310 x 245	6	1	300627

Carbide burr

HF 100 Set



Properties: 5-piece burr set, cut 6, in lockable Klingspor screw box: HF 100B 12,7x25x6 (295610), HF 100C 12,7x25x6 (295753), HF 100D 12,7x11x6 (295859), HF 100E 12,7x22x6 (295925), HF 100F 12,7x25x6 (296010)

Advantages: Presentation of the top sellers - Practical and safe storage of the burrs

dimension in mm	Cut	Packing unit/pcs.	Cat. number
70 x 100	6	1	314620

Please observe: Please see Applications Guide on page 262 - 265.



A large grid of small squares, resembling graph paper, intended for taking notes.

D.I.Y. Range

The new Klingspor D.I.Y. range in user friendly packaging

The Klingspor core range in user friendly retail 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. In clearly arranged shelf modules the important basic articles of the D.I.Y. range of coated abrasives are displayed together with suggestions for the product placement. The shelf modules can be combined individually according to your requirements. The compact space saving display system allows an efficient use of the sales area.

Klingspor expert advisers are at your disposal.

Type	Material applications										Machines						Page
	Steel	Stainless steel	Paint / varnish / fillers	Wood	Metals	NF metals	Plastics	Glass / stone	Hand grinding	Hand block	Orbital sander	Hand tool belt grinder	Portable belt sander	Angle grinderr	Random orbital sander	Delta sander	
PL 31 B	●		●		●				●	●	●						278
CS 310 XF	●	●			●	●						●					278
LS 309 XH			○	●	●	●							●				279
CS 561	●	○		○	●	●	○							●			280
PS 11			●			○	●	○	●								281
PL 31 B			●	●	○						●						281
PL 31 B			●	●	○				●								282
KL 371 X					●	●			●								283
PS 22 K	○		○	●	●		○				●						283
PS 22 K		○	○	●	●		○								●		284
PS 22 K		○	○	●	●		○									●	285
A 60 TZ	○	●				●									●		285

● = 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 - Optimized wear properties for hand sanding and hand-held 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	Content	Minimum order	Cat. number
115 x 5000	1 x Grit 40	5 assortments	241817
115 x 5000	1 x Grit 60	5 assortments	241818
115 x 5000	1 x Grit 80	5 assortments	241819
115 x 5000	1 x Grit 120	5 assortments	241820
115 x 5000	1 x Grit 180	5 assortments	241821

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:

Stainless steel	●
Metals	●
NF metals	●
Steel	●

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	Content	Belt joint	Minimum order	Cat. number
13 x 457	3 x Grit 40	F4G	6 assortments	248820
13 x 457	3 x Grit 60	F4G	6 assortments	248821
13 x 457	3 x Grit 120	F4G	6 assortments	248822

Packing unit (Minimum order quantity) = 6 assortments of 3 belts

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 276 - 277.

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	Content	Belt joint	Minimum order	Cat. number
65 x 410	3 x Grit 40	F5	6 assortments	7000
65 x 410	3 x Grit 60	F5	6 assortments	7001
65 x 410	3 x Grit 80	F5	6 assortments	7002
65 x 410	3 x Grit 120	F5	6 assortments	7004
75 x 457	3 x Grit 40	F5	6 assortments	9189
75 x 457	3 x Grit 60	F5	6 assortments	9176
75 x 457	3 x Grit 80	F5	6 assortments	9172
75 x 457	3 x Grit 100	F5	6 assortments	9171
75 x 457	3 x Grit 120	F5	6 assortments	7138
75 x 480	3 x Grit 40	F5	6 assortments	7006
75 x 480	3 x Grit 60	F5	6 assortments	7007
75 x 480	3 x Grit 80	F5	6 assortments	7008
75 x 480	3 x Grit 120	F5	6 assortments	7010
75 x 533	3 x Grit 40	F5	6 assortments	7018
75 x 533	3 x Grit 60	F5	6 assortments	7019
75 x 533	3 x Grit 80	F5	6 assortments	7020
75 x 533	3 x Grit 100	F5	6 assortments	7021
75 x 533	3 x Grit 120	F5	6 assortments	7022
75 x 533	3 x Grit 150	F5	6 assortments	7023
75 x 533	3 x Grit 180	F5	6 assortments	7077
100 x 560	3 x Grit 40	F5	6 assortments	7036
100 x 560	3 x Grit 60	F5	6 assortments	7037
100 x 560	3 x Grit 80	F5	6 assortments	7038
100 x 560	3 x Grit 100	F5	6 assortments	7039
100 x 560	3 x Grit 120	F5	6 assortments	7040
100 x 610	3 x Grit 40	F5	6 assortments	7080
100 x 610	3 x Grit 60	F5	6 assortments	7081
100 x 610	3 x Grit 80	F5	6 assortments	7082
100 x 610	3 x Grit 100	F5	6 assortments	7083
100 x 610	3 x Grit 120	F5	6 assortments	7084
105 x 620	3 x Grit 40	F5	6 assortments	7030
105 x 620	3 x Grit 60	F5	6 assortments	7031
105 x 620	3 x Grit 80	F5	6 assortments	7032
105 x 620	3 x Grit 120	F5	6 assortments	7034

Packing unit (Minimum order quantity) = 6 assortments of 3 belts

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 276 - 277.

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

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
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Diameter x Hole in mm	Content	Hole pattern	Minimum order	Cat. number
115 x 22	5 x Grit 24	⊗ 30	5 assortments	255905
115 x 22	5 x Grit 40	⊗ 30	5 assortments	255906
115 x 22	5 x Grit 60	⊗ 30	5 assortments	255907
115 x 22	5 x Grit 80	⊗ 30	5 assortments	255908
115 x 22	5 x Grit 120	⊗ 30	5 assortments	255909
125 x 22	5 x Grit 24	⊗ 30	5 assortments	255910
125 x 22	5 x Grit 40	⊗ 30	5 assortments	255911
125 x 22	5 x Grit 60	⊗ 30	5 assortments	255912
125 x 22	5 x Grit 80	⊗ 30	5 assortments	255913
125 x 22	5 x Grit 120	⊗ 30	5 assortments	255914

Packing unit (Minimum order quantity) = 5 assortments of 5 fibre discs

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 276 - 277.

Abrasive paper, waterproof

PS 11 D.I.Y. Packs



Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A/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	Content	Minimum order	Cat. number
230 x 280	5 x Grit 120	5 assortments	241787
230 x 280	5 x Grit 180	5 assortments	241789
230 x 280	5 x Grit 240	5 assortments	241790
230 x 280	5 x Grit 400	5 assortments	241791

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 - Optimized wear properties for hand grinding and hand-held machine grinding - 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	Content	Hole pattern	Minimum order	Cat. number
93 x 230	10 x Grit 40		5 assortments	241732
93 x 230	10 x Grit 60		5 assortments	241733
93 x 230	10 x Grit 80		5 assortments	241734
93 x 230	10 x Grit 120		5 assortments	241735
93 x 230	10 x Grit 180		5 assortments	241736
93 x 230	10 x Grit 240		5 assortments	241737
93 x 230	40/80/120 Set		5 assortments	241738
93 x 230	10 x Grit 40	 GL 9	5 assortments	241725
93 x 230	10 x Grit 60	 GL 9	5 assortments	241726

Continuation →

Other grits and sizes available on request. Assortments in three pieces grit 40, three pieces grit 80 and four pieces grit 120.
Please observe: Please see Applications Guide on page 276 - 277.

The D.I.Y. Range

→ Continuation of PL 31 B SB-verpackt, Finishing paper

Width x Length in mm	Content	Hole pattern	Minimum order	Cat. number
93 x 230	10 x Grit 80	 GL 9	5 assortments	241727
93 x 230	10 x Grit 120	 GL 9	5 assortments	241728
93 x 230	10 x Grit 180	 GL 9	5 assortments	241729
93 x 230	10 x Grit 240	 GL 9	5 assortments	241730
93 x 230	40/80/120 Set	 GL 9	5 assortments	241731
115 x 280	10 x Grit 40		5 assortments	241678
115 x 280	10 x Grit 60		5 assortments	241679
115 x 280	10 x Grit 80		5 assortments	241680
115 x 280	10 x Grit 120		5 assortments	241681
115 x 280	10 x Grit 180		5 assortments	241682
115 x 280	10 x Grit 240		5 assortments	241683
115 x 280	40/80/120 Set		5 assortments	241684
115 x 280	10 x Grit 40	 GL 1	5 assortments	241670
115 x 280	10 x Grit 60	 GL 1	5 assortments	241671
115 x 280	10 x Grit 80	 GL 1	5 assortments	241673
115 x 280	10 x Grit 120	 GL 1	5 assortments	241674
115 x 280	10 x Grit 180	 GL 1	5 assortments	241675
115 x 280	10 x Grit 240	 GL 1	5 assortments	241676
115 x 280	40/80/120 Set	 GL 1	5 assortments	241677

Packing unit (Minimum order quantity) = 5 assortments of 10 strips

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 - Optimized wear properties for hand grinding and hand-held machine grinding - 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	Content	Minimum order	Cat. number
230 x 280	5 x Grit 40	5 assortments	241776
230 x 280	5 x Grit 60	5 assortments	241777
230 x 280	5 x Grit 80	5 assortments	241778
230 x 280	5 x Grit 120	5 assortments	241779
230 x 280	5 x Grit 240	5 assortments	241780

Packing unit (Minimum order quantity) = 5 assortments of 5 sheets

Other grits and sizes available on request. Assortments in three pieces grit 40, three pieces grit 80 and four pieces grit 120.
Please observe: Please see Applications Guide on page 276 - 277.

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 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	Content	Minimum order	Cat. number
230 x 280	5 x Grit 40	5 assortments	241781
230 x 280	5 x Grit 60	5 assortments	241783
230 x 280	5 x Grit 80	5 assortments	241784
230 x 280	5 x Grit 120	5 assortments	241785
230 x 280	5 x Grit 240	5 assortments	241786

Packing unit (Minimum order quantity) = 5 assortments of 5 sheets

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

Advantages: High removal rate - Homogeneous 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	Content	Hole pattern	Minimum order	Cat. number
115 x 230	10 x Grit 40	GL 15	5 assortments	241663
115 x 230	10 x Grit 60	GL 15	5 assortments	241664
115 x 230	10 x Grit 80	GL 15	5 assortments	241665
115 x 230	10 x Grit 120	GL 15	5 assortments	241666
115 x 230	10 x Grit 180	GL 15	5 assortments	241667
115 x 230	10 x Grit 240	GL 15	5 assortments	241668
115 x 230	40/80/120 Set	GL 15	5 assortments	241669

Packing unit (Minimum order quantity) = 5 assortments of 10 strips

Other grits and sizes available on request. Assortments in three pieces grit 40, three pieces grit 80 and four pieces grit 120.
Please observe: Please see Applications Guide on page 276 - 277.

The D.I.Y. Range

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

Advantages: Universal abrasive disc for metalworking and woodworking - Homogeneous 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	Content	Hole pattern	Minimum order	Cat. number
115	5 x Grit 40	○ 0	5 assortments	278805
115	5 x Grit 60	○ 0	5 assortments	278806
115	5 x Grit 80	○ 0	5 assortments	278807
115	5 x Grit 120	○ 0	5 assortments	278808
115	5 x Grit 180	○ 0	5 assortments	278809
115	5 x Grit 40	⊗ GLS 4	5 assortments	243219
115	5 x Grit 60	⊗ GLS 4	5 assortments	241608
115	5 x Grit 80	⊗ GLS 4	5 assortments	243220
115	5 x Grit 120	⊗ GLS 4	5 assortments	241610
115	5 x Grit 180	⊗ GLS 4	5 assortments	241611
125	5 x Grit 40	○ 0	5 assortments	278810
125	5 x Grit 60	○ 0	5 assortments	278811
125	5 x Grit 80	○ 0	5 assortments	278812
125	5 x Grit 120	○ 0	5 assortments	278813
125	5 x Grit 180	○ 0	5 assortments	278814
125	5 x Grit 40	⊗ GLS 5	5 assortments	241614
125	5 x Grit 60	⊗ GLS 5	5 assortments	241625
125	5 x Grit 80	⊗ GLS 5	5 assortments	241626
125	5 x Grit 120	⊗ GLS 5	5 assortments	241627
125	5 x Grit 180	⊗ GLS 5	5 assortments	241628
125	40/80/120 Set	⊗ GLS 5	5 assortments	241630
150	5 x Grit 40	⊗ GLS 3	5 assortments	241649
150	5 x Grit 60	⊗ GLS 3	5 assortments	241650
150	5 x Grit 80	⊗ GLS 3	5 assortments	241651
150	5 x Grit 120	⊗ GLS 3	5 assortments	241652
150	5 x Grit 180	⊗ GLS 3	5 assortments	241653
150	5 x Grit 40	⊗ GLS 51	5 assortments	319068
150	5 x Grit 60	⊗ GLS 51	5 assortments	319069
150	5 x Grit 80	⊗ GLS 51	5 assortments	319070
150	5 x Grit 120	⊗ GLS 51	5 assortments	319071
150	5 x Grit 180	⊗ GLS 51	5 assortments	319073
150	40/80/120 Set	⊗ GLS 51	5 assortments	319072

Packing unit (Minimum order quantity) = 5 assortments or 30 pieces

Other grits and sizes available on request. Assortments in two pieces grit 40, two pieces grit 80 and two pieces grit 120.
Please observe: Please see Applications Guide on page 276 - 277.

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	●
Stainless steel	○
Paint/Varnish/Filler	○

Plastic ○

Advantages: Universal abrasive disc for metalworking and woodworking - Homogeneous 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	Content	Hole pattern	Minimum order	Cat. number
96	5 x Grit 40	△ GLS 15	5 assortments	241656
96	5 x Grit 60	△ GLS 15	5 assortments	241657
96	5 x Grit 80	△ GLS 15	5 assortments	241658
96	5 x Grit 120	△ GLS 15	5 assortments	241659
96	5 x Grit 180	△ GLS 15	5 assortments	241660
96	40/80/120 Set	△ GLS 15	5 assortments	241662

Packing unit (Minimum order quantity) = 5 assortments of 5 triangles

Cutting-off wheel

A 60 TZ SPECIAL D.I.Y. Packs



Quality

SPECIAL

Bond	■ ■ ■ ■ ■ ■ □
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications:

Stainless steel	●
NF metals	●
Steel	○

Advantages: Free of iron, sulfur and chlorine - Short cutting times - Minimal burr formation - Low thermal load

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Minimum order	Cat. number
115 x 1 x 22,23	—	80 m/s	13,300 rpm	1 assortment	257875
125 x 1 x 22,23	—	80 m/s	12,200 rpm	1 assortment	257876

Packing unit (Minimum order quantity) = 1 assortment of 10 cutting-off wheels

Other grits and sizes available on request. Assortments in two pieces grit 40, two pieces grit 80 and two pieces grit 120. Please observe: Please see Applications Guide on page 276 - 277.

Safety recommendations

Applications guide

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 mounting.
 - ▶ 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.

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.

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 and 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 should be stored at 18-22° C, 45-65% relative humidity.
- ▶ 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



Not permitted for hand-held or manually-guided grinding



Not permitted for wet grinding



Not permitted for face grinding



Do not use if damaged



Only permitted with a back-up pad



Wear hearing protection



Read the instructions



Wear gloves



Wear a respirator



Wear eye protection



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 or 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.

Notes

Notes



Safety

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 Organization 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 – Organization 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 Organization for the Safety of Abrasives or its institutions assume any liability of the designated products.





Klingspor N.V. / S.A.
Herent, België / Belgique

Клингспор България ЕООД
София, България

Klingspor Brusivo, spol. s r.o.
Brno, Česká republika

Klingspor A/S
Kolding, Danmark

Klingspor Schleifsysteme GmbH & Co. KG
Haiger, Deutschland

Klingspor Abrasivos S.A.
Alcobendas (Madrid), España

Klingspor S.A.S.
Le Perray en Yvelines, France

Klingspor Abrasives Limited
Worksop, Nottinghamshire
Great Britain

Klingspor S.R.L
Brescia, Italia

Klingspor Magyarország Kft.
Budapest, Magyarország

Klingspor B.V.
Sittard, Nederland

Klingspor Schleifwerkzeuge GesmbH
Wien, Österreich

Klingspor Sp. z o.o.
Bielsko, Polska

Klingspor Sp. z o.o.
Kozy, Polska

Klingspor România SRL
Pantelimon, Ilfov, România

Klingspor Ltd.
Moscow, Rossiya

Klingspor Tehnologija brušenja d.o.o.
Beograd, Republika Srbija

Klingspor Suisse GmbH
Bubendorf, Suisse

Klingspor TOV
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Klingspor Inc.
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Klingspor Abrasivos S.A. de C.V.
Tijuana, Mexico

Klingspor Abrasives, Inc.
Hickory, North Carolina, USA

Klingspor Qingdao Ltd.
Qingdao, P.R. China

Klingspor Abrasive (Shanghai) Co. Ltd.
Shanghai, P.R. China

Klingspor India Private Limited
Pune, India

Klingspor PTE LTD
Singapore, Singapore

Klingspor PTE LTD
Bangkok, Ratcha-anachak Thai

Klingspor Middle East FZCO
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Klingspor Vietnam Limited
Ho Chi Minh City, Vietnam

Klingspor Argentina SRL
Partido Belén de Escobar, Argentina

Klingspor Abrasivos Industriais Ltd
Pinhais, Brasil

Comercial Klingspor Chile Ltda.
Pudahuel, Santiago, Chile

Klingspor SAC
Lima, Perú

Klingspor Abrasives South Africa (Pty) Ltd.
Spartan-Kempton Park, South Africa

Klingspor Inc.
Silverwater, Australia

