

# Good. Safe. Yellow.

Price List 2016  
Valid from February 2016



# 5

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

# 1893

Klingspor was founded as a family owned business.

More than

# Three hundred

highly trained technicians offer professional on-site assistance.

# 260 million

Euros in sales during the past year.

# Over 50 thousand

items in our product range.

Every day Klingspor makes:

## 110,000

Abrasive mop discs

## 350,000

Cutting-off wheels and grinding discs

# One hundred thousand square metres

Coated abrasives

# 2,700

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

**General information**

Contents .....	3
Index.....	4-5

**Coated abrasives**

Product summary .....	6-13
Applications guide .....	14-17

**Abrasive mop discs**

Applications guide .....	190-195
Abrasive mop discs .....	196-208

**Rolls**

Applications guide .....	18-19
Rolls.....	20-34

**Cutting-off wheels**

Applications guide .....	210-219
Cutting-off wheels 0,8-1,0 mm .....	220-227
Cutting-off wheels 1,6-1,9 mm .....	228-230
Cutting-off wheels 2,0-3,2 mm .....	232-239
Large cutting-off wheels .....	240-248

**Belts**

Applications guide .....	36-43
Short and long belts.....	44-69
Non-woven belts and spirabands.....	70-73

**Grinding discs**

Applications guide .....	210-219, 251
Grinding discs.....	252-257
Cup grinding wheels .....	258-259

**Wide belts**

Applications guide .....	74-77
Wide belts.....	78-92

**Diamond tools**

Applications guide .....	260-265
Diamond cutting blades .....	266-284
Diamond cup grinding wheel .....	273

**Diamond drill bits & other diamond tools**

Diamond drill bits .....	285-288
Other diamond tools.....	289-292

**Fibre discs**

Applications guide .....	94-97
Fibre discs .....	98-107

**Flexible abrasives**

Applications guide .....	294-295
Flexible abrasives .....	296-298

**Strips/sheets/discs****Strips/sheets**

Applications guide .....	108-113
Strips/sheets.....	114-123
Strips, self-fastening.....	124-129

**Discs**

Applications guide .....	132-133
Discs .....	134-148

**Carbide burs**

Applications guide .....	300-303
Carbide burs.....	304-312

**Quick Change Discs**

Applications guide .....	150-153
Quick Change Discs .....	154-161

**D.I.Y. range**

Applications guide .....	315
D.I.Y. range .....	316-323

**Abrasive mops**

Applications guide .....	162-167
Abrasive mop wheels, nylon webbed mop, abrasive flap drums .....	168-178

**Small abrasive mop**

Applications guide .....	180-181
Small abrasive and finishing mops .....	182-188

**Service**

Safety recommendations.....	324-325
Conditions of sale .....	326-327
oSa.....	330

# Index

<b>A</b>		
<b>Abrasive belts</b>		
Abrasive cloth	44-45, 47-48, 54-69, 85-92	
Abrasive paper	49-53, 78-84	
Antistatic	49-52, 58-59, 79-82, 86, 89, 91	
Blended cloth	67-69	
File belts	44-46	
Long-life belts	60-61	
Short belts for handheld machines	47-48	
Spirabands	71-72	
Standard belts	49-69	
Standard belt joints	40, 74	
Wide belts	78-92	
<b>Abrasive block</b>	<b>130</b>	
<b>Abrasive cloth</b>		
Abrasive belt	44-45, 47-48, 54-69, 85-92	
Rolls	26-33	
Sheets	121-123	
Strips	121, 124-126	
<b>Abrasive flap drums</b>	<b>177-178</b>	
<b>Abrasive hand blocks</b>	<b>297-298</b>	
<b>Abrasive mop discs</b>	<b>196-206</b>	
<b>Abrasive mop wheels</b>		
Abrasive mops	168-175	
Finishing mops	177-178	
Mounting plates	169, 172, 176	
Pleated mop	174	
Slotted (Mac-Mop)	171-172	
<b>Abrasive paper</b>		
Abrasive belts	49-53, 78-84	
Discs	134-141, 143-144	
Rolls	20-25	
Sheets	114-120	
Strips	117-120, 124-126	
Wide belts	78-84	
<b>Abrasive sheets</b>		
Abrasive film	127	
Discs (see Discs)	134-144	
Sheets (see Sheets)	114-123, 129	
Strips (see Strips)	117-127	
<b>Abrasive sponge</b>	<b>130-131</b>	
<b>B</b>		
<b>Backing pads</b>		
for abrasive paper discs	145-146	
for fibre discs	106-107	
for Kling-On discs	145-146	
for non-woven web discs	148	
Multihole	145-146	
Ribbed	107	
<b>Blended cloth</b>	<b>67-69</b>	
<b>C</b>		
<b>Carbide burrs</b>		<b>304-312</b>
<b>Ceramic products</b>		
Cutting-off wheel	225	
Fibre discs	105	
File belts	45	
<b>Cleaning wheel</b>	<b>207</b>	
<b>Coated abrasives</b>	<b>10-13</b>	
<b>Contour finishing machines</b>	<b>41-42</b>	
<b>Cup grinding wheels</b>	<b>258-259</b>	
<b>Cutting-off wheels</b>		
Cutting-off wheels	221-227, 229-230, 233-239	
Stationary machines	247-248	
Bench machines	248	
Petrol powered machines	243-246	
Small abrasive wheels	227	
<b>D</b>		
<b>Delta sanders</b>		
Abrasives	136-141	
Machines	133	
<b>Diamond cutting blades</b>		
Continuous rim	266, 268, 271-272, 280	
Laser welded	267-270, 272-279, 281-284	
Segmented	266-270, 272-279, 281, 284	
Sintered	266, 268, 271-272, 274-275, 277, 280	
Turbo	266-268, 272, 276	
<b>Diamond tools</b>		
Adapter kit	291	
Core cutter for switch boxes	290	
Diamond drill	291	
Drill bits	285-290	
Hole starting aid	292	
<b>Discs</b>		
Abrasive film	142	
Abrasive paper	134-141, 143-144	
Random orbital sander	133	
Hole patterns	132	
Non-woven web	147-148	
Self-fastening	135-144	
<b>Dust hole patterns</b>		
Discs	132	
Strips	110	
<b>DIY range</b>	<b>316-323</b>	
<b>E</b>		
<b>Edge sanding machines</b>		<b>41-42</b>
<b>F</b>		
<b>Fibre discs</b>		
Abrasive fibre discs	98-106	
Backing pads	106-107	
Hole patterns	97	

<b>Finishing paper</b>	<b>22-23</b>
<b>Fixing spindle</b>	<b>208</b>
<b>Flange</b>	<b>230</b>
<b>Flexible Abrasives</b>	
Grinding points	296
Hand block	297-298
Mottling points	296-297
Mounted points	296
<b>G</b>	
<b>Grinding discs</b>	
for handheld machines	252-257
<b>L</b>	
<b>Long belt machines</b>	<b>41-42</b>
<b>M</b>	
<b>Machine pictograms</b>	<b>8-9</b>
<b>Mottling points</b>	<b>296-297</b>
<b>Mounted points</b>	<b>296</b>
<b>Mounting plates</b>	
for Abrasive mop wheels	169, 172, 176
<b>Multihole backing pad</b>	<b>145-146</b>
<b>N</b>	
<b>Non-woven web</b>	
Belts	46, 70
Discs	147-148
Mop discs	206
Mop wheels and drums	175, 177-178
Points	187-188
Rolls	34
Strips	129
Wheels	207
<b>O</b>	
<b>Orbital sanders</b>	
Abrasives	117-118, 120-121, 125-127
Machines	111-113
<b>P</b>	
<b>Pleated abrasive mop</b>	<b>174</b>
<b>Portable belt sanders</b>	
Abrasives	47-48, 62-63
Machines	42-43
<b>Power wheel</b>	<b>208</b>
<b>Product guide</b>	<b>10-13</b>
<b>Q</b>	
<b>Quick Change Discs</b>	<b>154-161</b>

<b>R</b>	
<b>Random orbital sander</b>	
Abrasives	135-146
Machines	133
<b>Rolls</b>	
Abrasive cloth	26-32
Abrasive paper	20-25
Antistatic	24
Finishing paper	22-23
Non-woven web	34
Slashed	27
<b>Rubber drums for abrasive sleeves</b>	<b>73</b>
<b>Roll-Box</b>	<b>32</b>
<b>S</b>	
<b>Sandflex</b>	<b>297-298</b>
<b>Self-fastening products</b>	
Backing pads	145-146
Discs	134-144
Hand block	128
Strips	124-128
<b>Self-fastening support/backing/coating</b>	<b>33</b>
<b>Sheets</b>	
Abrasive cloth	121-123
Abrasive paper	114-120, 124-125
<b>Small abrasive mops</b>	<b>182-188</b>
<b>Small abrasive wheels</b>	<b>173</b>
<b>Small finishing mops</b>	<b>187-188</b>
<b>Spirabands</b>	
Abrasive cloth	71-72
Rubber drums	73
<b>Strips</b>	
Abrasive cloth	121
Abrasive paper	117-120, 124-126
Dust extraction hole patterns	110
Hand block	128
Machines	111-113
Non-woven web	129
Orbital sanders	117-118, 120-121, 125-127
Self-fastening	124-127
<b>V</b>	
<b>Vulcanised fibre discs</b>	<b>98-106</b>
<b>W</b>	
<b>Wheel flange</b>	<b>230</b>
<b>Wide belt machines</b>	<b>75-77</b>
<b>Wide belt</b>	
Abrasive cloth	85-92
Abrasive paper	78-84
Antistatic	79-82, 86, 89, 91
Standard belt joints	74
<b>WSM Angle grinder mop</b>	<b>173</b>

# 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 eleven 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



### Abrasive mop discs

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



### Kronenflex grinding discs and cutting-off wheels

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



### D.I.Y. range

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



### Flexible abrasives

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



### Carbide burs

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



### Diamond tools

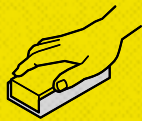
Klingspor's comprehensive range of diamond tools makes it easy for any user to work faster and with greater precision and endurance. As they are made of carefully tested premium grade materials, the products included in each product line offer a wide range of possible applications and meet the highest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

# General information

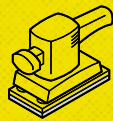
## Product overview



Hand sanding



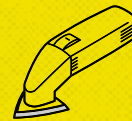
Hand block



Orbital sander



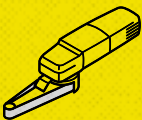
Random orbital sander



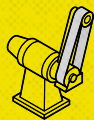
Delta sander



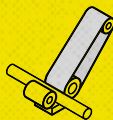
Portable belt sander



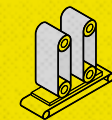
Hand tool belt grinder



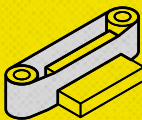
Back stand grinding machine



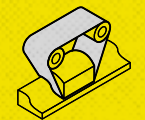
Centreless finishing machine



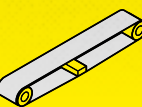
Through-feed grinding machine



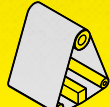
Edge sanding machine



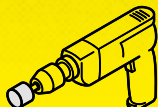
Contour finishing machine



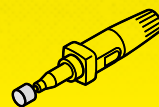
Pad / stroke sanding machine



Wide belt finishing machine



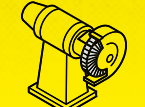
Drilling machine



Die grinder



Satin finishing machine



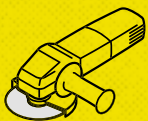
Floor standing grinder

# General information

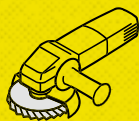
Product overview



General information



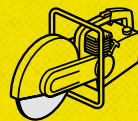
Angle grinder



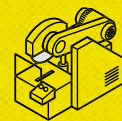
Angle grinder with  
abrasive mop disc



Angle grinder with  
cup grinding wheel



Petrol powered  
cutter



Stationary cutting  
machine



Chop saw



Drilling machine



Joint cutter



Lifting beam with  
mottling points



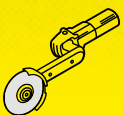
Right angle  
die grinder



Flexible shaft  
grinder



Petrol powered  
cutter with  
clamping device



Fillet weld grinder

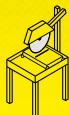
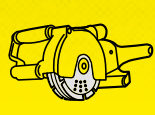


Table saw



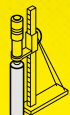
Joint router



Stationary cutting  
machine



Parquet Sander



Drill stand

## Coated abrasives

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

# Product guide

Coated abrasives



General information

					Page									
Type	Coating	Bonding agent	Waterproof	Available grits	Rolls	File belts	Belts for handheld grinders	Short and long belts	Spirabands	Wide belts	Fibre discs	Strips/Sheets	Discs	
Abrasive paper	PS 8 A	●	K	✓	180–2500	-	-	-	-	-	-	114	-	
	PS 8 C	●	K	✓	60–150, 220	-	-	-	-	-	-	115	-	
	PS 11 A	●	K	✓	220–2000	-	-	-	-	-	-	115	-	
	PS 11 C	●	K	✓	60–400, 600, 1000	-	-	-	-	-	-	116	134	
	PS 20 F	●	K		60–240, 320, 400	-	-	-	49	-	78	-	-	
	PS 21 F	●	K		40, 60–320, 400	-	-	-	49	-	78	-	-	
	PS 22 F ACT	●	K		40–400	20	-	-	49	-	79	-	117	134
	PS 22 N	○	K		24, 40, 60–240, 320, 400	21	-	-	-	-	-	-	-	
	PS 24 F ACT	●	K		80, 120–800	-	-	-	50	-	79	-	-	
	PS 26 F	○	K		80–220	-	-	-	50	-	80	-	-	
	PS 27 DW	○	K		180–600	-	-	-	50	-	80	-	-	
	PS 28 F	○	K		40–220	-	-	-	51	-	81	-	-	
	PS 29 F ACT	○	K		40–320, 400	24	-	-	51	-	82	-	-	
	PS 30 D	○	K		40, 60–240, 320	21	-	-	-	-	-	-	117	-
	PL 31 B	○	L		40–320, 400	22	-	-	-	-	-	-	118	-
	PS 33 B	○	K		150–320, 400–600	23	-	-	-	-	-	-	119	-
	PS 33 C	○	K		40, 60–120	23	-	-	-	-	-	-	119	-
	PS 38 G ACT	●	K		80–180	-	-	-	-	-	83	-	-	-
	PS 61 F	●	K		60, 80, 120–280	-	-	-	52	-	83	-	-	-
	PS 729 F		K		180, 240, 320, 400				53		84			
FP 73 W	○	K		80–180, 240, 320, 400–1500				53						
PS 73 BW	○	K		150–1500	-	-	-	-	-	-	-	120	-	
PS 73 W Soft	○	K		120–180, 240, 320, 400, 600, 800	25	-	-	-	-	-	-	-	-	
Self fastening	PS 19 EK	●	K		24, 36, 40, 60–120, 220, 320, 400, 600	-	-	-	-	-	-	124	135	
	PS 21 FK	●	K		40, 60–180, 240, 320, 400	-	-	-	-	-	-	-	135	
	PS 22 K	○	K		24, 40, 60–240, 320, 400	-	-	-	-	-	-	124	136	
	PS 33 BK	○	K		150–320, 400–600	-	-	-	-	-	-	125	139	
	PS 33 CK	○	K		40, 60–120	-	-	-	-	-	-	125	139	
	PS 61 FK	●	K		60, 80, 120–180, 240, 280	-	-	-	-	-	-	-	141	
	FP 73 WK	○	K		80–180, 240, 320, 400–1500	-	-	-	-	-	-	127	142	
	PS 73 BWK	○	K		150–1500	-	-	-	-	-	-	-	143	
	PS 73 CWK	○	K		40, 60–120	-	-	-	-	-	-	-	143	
Abrasive cloth	CS 308 Y	●	K		40, 60–180, 240	-	-	-	54	-	85	-	-	
	LS 309 J	●	K		60–500	-	-	-	56	-	-	-	-	
	LS 309 JF	●	K		60–400, 600	26	-	-	56	-	-	-	-	
	LS 309 X	●	K		40–360	26	-	-	54	-	-	-	-	
	LS 309 XH	●	K		40–180, 240	-	-	47	-	-	-	-	-	
	CS 310 X	●	K		16–24, 36–320, 400–600	-	-	-	57	71	85	-	-	
	CS 310 XF	●	K		40–280	-	44	-	-	-	-	-	-	
	CS 311 Y ACT	○	K		36–220	-	-	-	58	-	86	-	-	
	LS 312 JF	●	K		60–320, 400	-	-	-	58	-	-	-	-	
	LS 313 JF	●	K		80–240, 320	-	-	-	59	-	-	-	-	
	LS 318 JF ACT	○	K		80–180, 240, 320, 400	-	-	-	59	-	-	-	-	
	CS 320 Y	●	K	✓	24, 40, 60–120, 180	-	-	-	59	-	86	-	-	
	CS 321 X	●	K	✓	80–320, 400, 500, 800	-	-	-	60	-	87	-	-	
	CS 322 X	●	K	✓	Polishing fineness	-	-	-	60	-	-	-	-	

● = close ○ = semi-open ○ = open

## Bonding agent

K Resin

L Glue

# Product guide

Coated abrasives

	Type	Properties	Backing	Grain type
Abrasive cloth	<b>CS 325 Y</b>	KULEX, waterproof	Y-polyester	SiC agglomerate
	<b>CS 326 Y</b>	KULEX, waterproof	Y-polyester	Aluminium oxide-agglomerate
	<b>CS 329 JF</b>	KULEX	JF-cotton	Aluminium oxide-agglomerate
	<b>CS 329 Y</b>	KULEX	Y-polyester	Aluminium oxide-agglomerate
	<b>CS 330 X</b>	waterproof	X-cotton	SiC / Cork
	<b>CS 333 JF</b>		JF-Gewebe	SiC
	<b>CS 333 X</b>		X-cotton	SiC
	<b>CS 333 XF</b>		XF-cotton	SiC
	<b>CS 336 Y</b>	ANTISTATIC	Y-polyester	SiC
	<b>CS 341 X</b>	waterproof	X-cotton	Aluminium oxide
	<b>KL 361 JF</b>		JF-cotton	Aluminium oxide
	<b>KL 371 X</b>		X-cotton	Aluminium oxide
	<b>KL 385 JF</b>		JF-cotton	Aluminium oxide
	<b>CS 409 Y</b>	multibond	Y-polyester	Zirconia alumina
	<b>CS 410 X</b>	multibond	X-cotton	Aluminium oxide
	<b>CS 411 X</b>		X-cotton	Zirconia alumina
	<b>CS 411 Y</b>	waterproof	Y-polyester	Zirconia alumina
	<b>CS 412 Y</b>	waterproof	Y-polyester	Aluminium oxide
	<b>CS 416 Y</b>	waterproof	Y-polyester	Zirconia alumina
	<b>CS 420 Y</b>	waterproof, NOPPEX	Y-polyester	Aluminium oxide
	<b>CS 451 X</b>	multibond	X-cotton	Zirconia alumina
	<b>GX 533 JF</b>		JF-blended cloth	SiC
	<b>CS 538 Z ACT</b>	ANTISTATIC	Z-polyester	SiC
	<b>CS 631 XF</b>	multibond	XF-cotton	Ceramic aluminium oxide
	<b>GX 712 JF</b>		JF-blended cloth	Aluminium oxide
	<b>CS 811 Y ACT</b>	waterproof	Y-polyester	Zirconia alumina
	<b>CS 910 Y ACT</b>	multibond	Y-polyester	Ceramic aluminium oxide
	<b>CS 912 Y ACT</b>	waterproof	Y-polyester	Ceramic aluminium oxide
	<b>CS 931 JF</b>	multibond	JF-cotton	Ceramic aluminium oxide
	<b>GX 931 JF</b>	multibond	JF-blended cloth	Ceramic aluminium oxide
Fibre discs	<b>CS 561</b>		Fibre	Aluminium oxide
	<b>FS 764 ACT</b>		Fibre	Aluminium oxide
	<b>CS 565</b>		Fibre	Zirconia alumina
	<b>CS 570</b>	multibond	Fibre	Zirconia alumina
	<b>FS 964 ACT</b>		Fibre	Ceramic aluminium oxide
	<b>FS 966 ACT</b>	multibond	Fibre	Ceramic aluminium oxide
Non-woven web	<b>NRO 400</b>		Non-woven web	Aluminium oxide/SiC
	<b>NPA 400</b>		Non-woven web	Aluminium oxide/SiC
	<b>SV 484</b>		Non-woven web with polyester lining	Aluminium oxide
	<b>NDS 800</b>		Non-woven web with polyester lining	Aluminium oxide
	<b>NBF 800</b>	waterproof	Non-woven web with polyester lining	Aluminium oxide
	<b>NBS 800</b>	waterproof	Non-woven web with polyester lining	Aluminium oxide
	<b>NBS 850</b>	waterproof	Non-woven web with polyester lining	Aluminium oxide
	<b>SK 500</b>	Abrasive hand block, flexible	Sponge	Aluminium oxide
	<b>SW 501</b>	Abrasive sponge	Sponge	Aluminium oxide
	<b>SW 502</b>	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 <sup>2</sup>
B	approx. 105 g/m <sup>2</sup>
C	approx. 110 g/m <sup>2</sup>
D	approx. 130 g/m <sup>2</sup>
E	approx. 250 g/m <sup>2</sup>
F	approx. 300 g/m <sup>2</sup>
G	approx. 400 g/m <sup>2</sup>

# Product guide

Coated abrasives



General information

					Page								
Type	Coating	Bonding agent	Waterproof	Available grits	Rolls	File belts	Belts for handheld grinders	Short and long belts	Spirabands	Wide belts	Fibre discs	Strips/Sheets	Discs
CS 325 Y		K	✓	80, 120, 180, 240, 320, 400, 600, 800	-	-	-	60	-	-	-	-	-
CS 326 Y		K	✓	60, 80, 120, 180, 240, 320, 400, 600, 800	-	-	-	61	-	87	-	-	-
CS 329 JF		K		120, 180, 240	-	-	-	61	-	-	-	-	-
CS 329 Y		K		80, 120, 180, 240, 320, 400, 600	-	-	-	61	-	88	-	-	-
CS 330 X	●	K	✓	220, 280, 400, 600, 800	-	-	-	62	-	88	-	-	-
CS 333 JF	●	K		80–180, 240–320	-	-	-	63	-	-	-	-	-
CS 333 X	●	K		24, 36, 40, 60–150, 240	-	-	-	62	-	-	-	-	-
CS 333 XF	●	K		60–100, 240, 280	-	-	-	62	-	-	-	-	-
CS 336 Y	○	K		36, 40, 50	-	-	-	-	-	89	-	-	-
CS 341 X	●	K	✓	60–320, 400, 500, 600	-	-	-	63	-	89	-	-	-
KL 361 JF	●	K		30, 40–600	27	-	-	-	-	-	-	121	-
KL 371 X	●	L		30–400	-	-	-	-	-	-	-	122	-
KL 385 JF	●	K		40–320, 400, 600	30	-	-	-	-	-	-	123	-
Abrasive cloth	CS 409 Y	●	K	36–120	-	-	-	63	-	90	-	-	-
	CS 410 X	●	K	40, 60–180	-	-	-	64	-	-	-	-	-
	CS 411 X	●	K	24, 36–80, 120	-	-	-	64	-	-	-	-	-
	CS 411 Y	●	K	✓ 24, 36–120	-	45	-	65	-	90	-	-	-
	CS 412 Y	●	K	✓ 24, 36–180, 240	-	-	-	66	-	91	-	-	-
	CS 416 Y	○	K	✓ 24, 36–120	-	-	-	66	-	-	-	-	-
	CS 420 Y		K	✓ 120, 180, 240, 320, 400	-	-	-	67	-	-	-	-	-
	CS 451 X	●	K	60, 80, 120	-	-	-	-	72	-	-	-	-
	GX 533 JF	●	K	80–180, 240–600	-	-	-	67	-	-	-	-	-
	CS 538 Z ACT	●	K	36–180	-	-	-	-	-	91	-	-	-
	CS 631 XF	○	K	60–120	-	-	-	67	-	-	-	-	-
	GX 712 JF	●	K	60–320, 400	-	-	-	68	-	-	-	-	-
	CS 811 Y ACT	●	K	✓ 24, 36–80	-	-	-	68	-	-	-	-	-
	CS 910 Y ACT	●	K	24, 36–80	-	-	-	68	-	-	-	-	-
	CS 912 Y ACT	●	K	✓ 36–180	-	45	-	69	-	92	-	-	-
	CS 931 JF	○	K	80–120, 180, 240–320, 400	-	-	-	69	-	-	-	-	-
	GX 931 JF	○	K	60–150	-	-	-	69	-	-	-	-	-
Fibre discs	CS 561	●	K	16–240, 320	-	-	-	-	-	-	98	-	-
	FS 764 ACT	●	K	24, 36, 40–80, 120	-	-	-	-	-	-	101	-	-
	CS 565	●	K	24, 36–100	-	-	-	-	-	-	102	-	-
	CS 570	●	K	24, 36–120	-	-	-	-	-	-	104	-	-
	FS 964 ACT	●	K	24, 36–80, 120	-	-	-	-	-	-	105	-	-
	FS 966 ACT	●	K	24, 36–60, 80, 120	-	-	-	-	-	-	105	-	-
Non-woven web	NRO 400		K	medium, fine, very fine, ultra fine	34	-	-	-	-	-	-	-	-
	NPA 400		K	coarse, medium, very fine, ultra fine, without grain	-	-	-	-	-	-	-	129	-
	SV 484		K	coarse, medium, very fine	-	-	-	-	-	-	-	-	147
	NDS 800		K	coarse, medium, very fine	-	-	-	-	-	-	-	-	148
	NBF 800		K	✓ coarse, medium, very fine	-	46	-	-	-	-	-	-	-
	NBS 800		K	✓ coarse, medium, very fine	-	-	-	70	-	-	-	-	-
	NBS 850		K	coarse, medium, fine, very fine	-	-	-	70	-	-	-	-	-
SK 500	●			60, 80, 100, 120, 180, 220, 280	-	-	-	-	-	-	130	-	
SW 501	●			120, 220	-	-	-	-	-	-	-	130	-
SW 502	●			120, 220	-	-	-	-	-	-	-	131	-

● = close ○ = semi-open ○ = open

## Bonding agent

K Resin

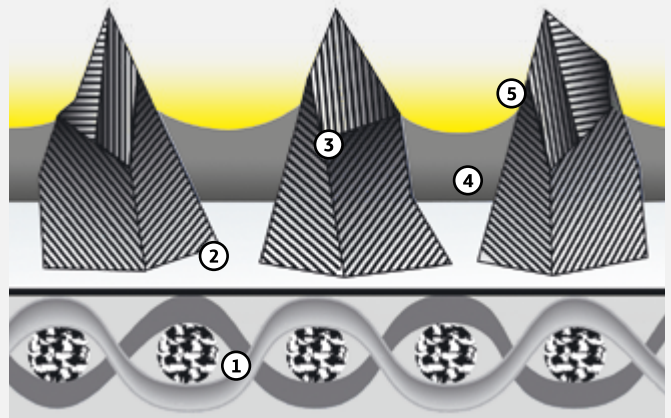
L Glue

# 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

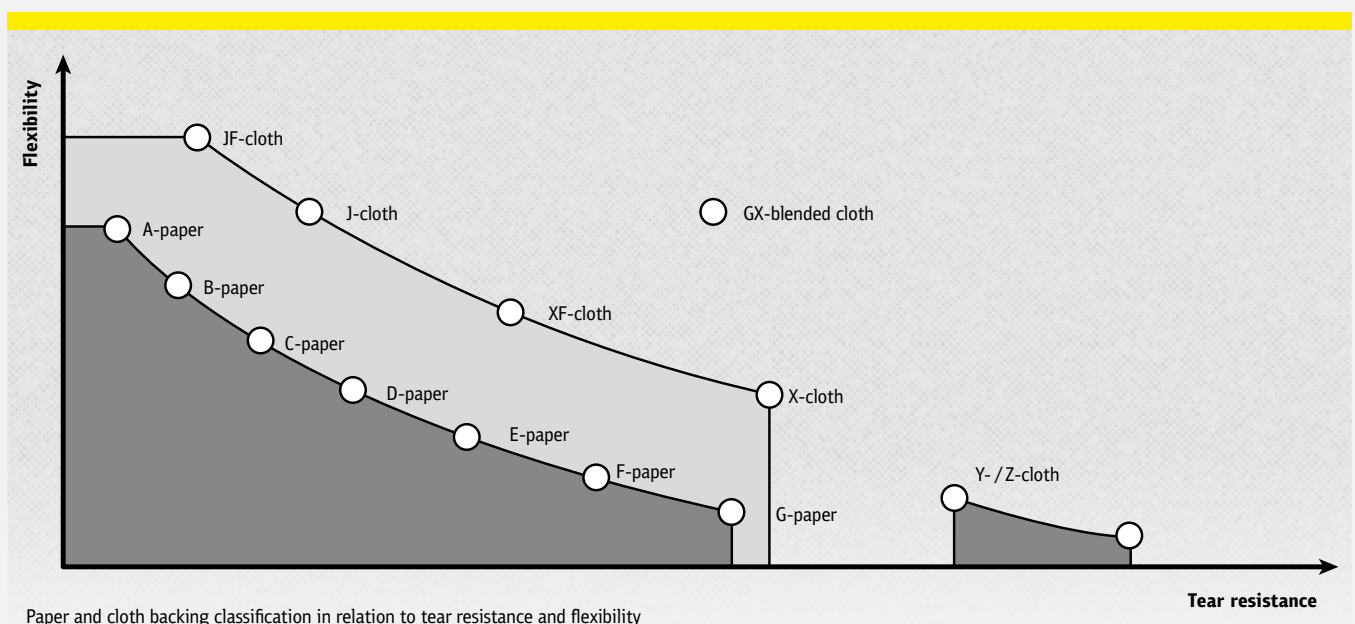
### 1. Coated abrasive backing

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 (exclusive use for the product FP 73 W and 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 <sup>2</sup>	profile + surface grinding (hand)
B – paper	approx. 105 g/m <sup>2</sup>	profile + surface grinding (hand)
C – paper	approx. 110 g/m <sup>2</sup>	surface grinding (hand)
D – paper	approx. 130 g/m <sup>2</sup>	surface grinding (hand and machine)
E – paper	approx. 250 g/m <sup>2</sup>	surface grinding (machine)
F – paper	approx. 300 g/m <sup>2</sup>	surface grinding (machine)
G – paper	approx. 400 g/m <sup>2</sup>	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.

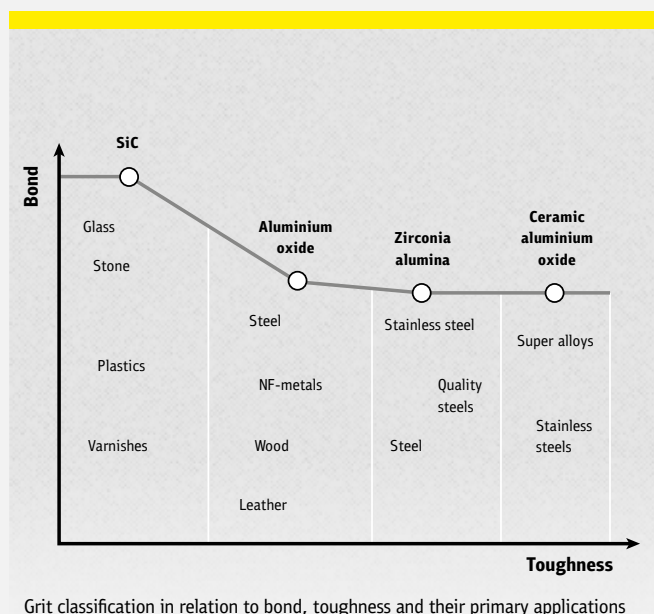
## 3. Grit

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

- Bond
- Toughness


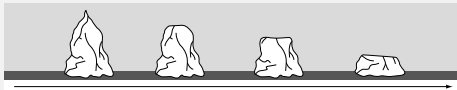
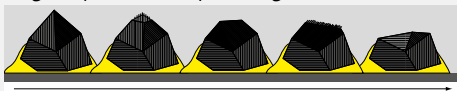
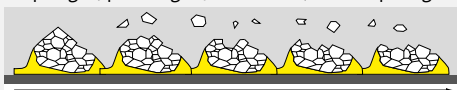
All Klingspor grit types are produced synthetically. This ensures a consistently high quality product. Four different grit types are used with coated abrasives:

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

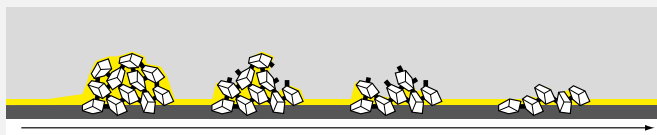


# Coated abrasives

## Applications guide

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

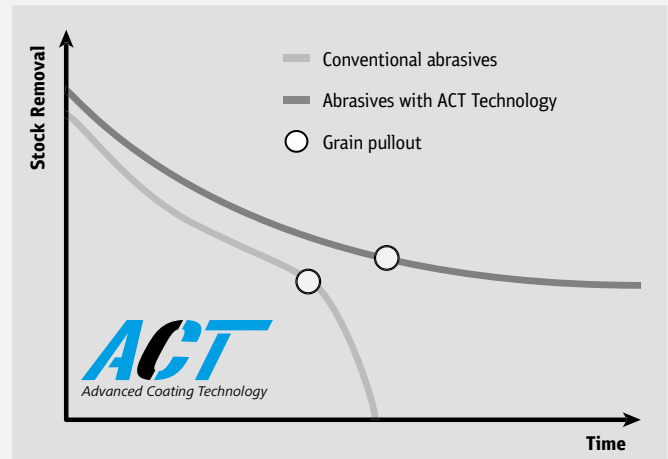
- close coating
- semi-open coating
- open coating

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:

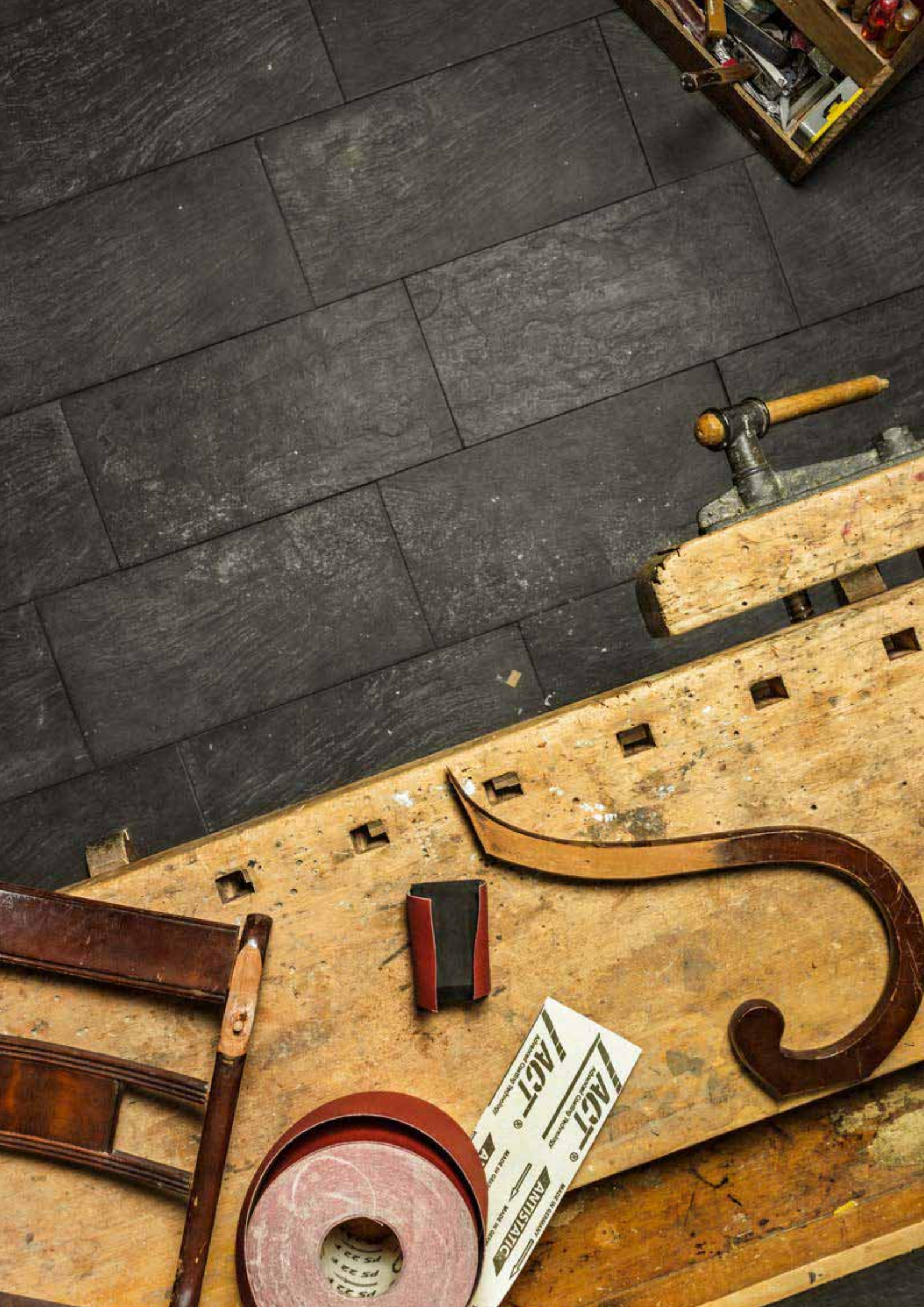
The multibond, like the stearate coating, is applied in an additional production step to the cover bond layer. This allows the cool grinding of stainless steel and high alloy steels, which in turn increases the stock removal rate and service life.

### 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	<b>PS 22 F ACT</b>	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
	<b>PS 22 N</b>	Aluminium oxide	E-paper	○	Abrasive paper with semi-open coating for high stock removal capacity for the processing of wood	21
	<b>PS 29 F ACT</b>	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
	<b>PS 30 D</b>	Aluminium oxide	D-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	21
	<b>PL 31 B</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	<b>PS 30 D</b>	Aluminium oxide	D-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	21
	<b>PL 31 B</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
	<b>PS 33 B/C</b>	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
	<b>PS 73 W Soft</b>	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	<b>LS 309 X</b>	Aluminium oxide	X-cotton	●	Multi-purpose abrasive cloth for metal and wood processing, good price-performance ratio	26
	<b>KL 361 JF</b>	Aluminium oxide	JF-cotton	●	High quality, highly flexible abrasive cloth for versatile applications in the metal processing industry, also suitable for stainless steel	27
	<b>KL 385 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible universal abrasive cloth for the metal processing industry, good price-performance ratio	30
Wood	<b>LS 309 X</b>	Aluminium oxide	X-cotton	●	Multi-purpose abrasive cloth for metal and wood processing, good price-performance ratio	26
	<b>LS 309 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible abrasive cloth for strongly profiled workpieces, for smooth surfaces in the metal and wood processing	26
	<b>LS 309 JF slashed</b>	Aluminium oxide	JF-cotton	●	Slashed, highly flexible abrasive cloth for strongly profiled workpieces, 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	<b>NRO 400</b>	Aluminium oxide / SiC	Non-woven web	–	Perfectly suited for light de-burring, cleaning and surface refinement, also suited for stainless steel	34
Wood / Varnish	<b>NRO 400</b>	Aluminium oxide / SiC	Non-woven web	–	Excellently suited to smoothing, cleaning and surface finishing	34

● = close ○ = semi-open ○ = open

## Minimum order quantities for made to order items

Type	Grit range	Paper	Width	Minimum order quantities	Width	Minimum order quantities
<b>PS 22 F ACT</b>	40–150	B approx. 105 g/m <sup>2</sup>	10 mm	29 pieces	80 mm	3 pieces
<b>PS 28 F</b>	60–150	C approx. 110 g/m <sup>2</sup>	15 mm	19 pieces	95 mm	3 pieces
<b>PS 29 F ACT</b>	60–150	D approx. 130 g/m <sup>2</sup>	20 mm	14 pieces	100 mm	3 pieces
<b>CS 308 Y</b>	40–80, 120	E approx. 250 g/m <sup>2</sup>	25 mm	12 pieces	120 mm	2 pieces
<b>LS 309 X</b>	40–360	F approx. 300 g/m <sup>2</sup>	28 mm	10 pieces	125 mm	2 pieces
<b>LS 309 J</b>	60–320		30 mm	10 pieces	140 mm	2 pieces
<b>LS 309 JF</b>	60–400		35 mm	8 pieces	150 mm	2 pieces
<b>CS 310 X</b>	24–400		40 mm	7 pieces	250 mm	1 pieces
<b>CS 310 XF</b>	40–280		50 mm	6 pieces	300 mm	1 pieces
<b>LS 312 JF</b>	60–320, 400		60 mm	5 pieces		
<b>CS 321 X</b>	80–400					
<b>CS 333 X</b>	60, 80, 120, 150					
<b>CS 341 X</b>	50–320					
<b>KL 361 JF</b>	40–600					
<b>KL 385 JF</b>	40–600					
<b>CS 410 X</b>	60–120					
<b>CS 411 X</b>	24–120					
<b>CS 411 Y</b>	36–80					

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
95 x 50000	60	1	20822	60.14	1
95 x 50000	80	1	20850	52.68	1
95 x 50000	100	1	20884	47.99	1
95 x 50000	120	1	20916	47.99	1
95 x 50000	150	1	20940	47.99	1
95 x 50000	180	1	20960	47.99	1
110 x 50000	40	1	2969	88.06	1
110 x 50000	60	1	2971	69.66	1
110 x 50000	80	1	2972	60.98	1
110 x 50000	100	1	2973	55.57	1
110 x 50000	120	1	2974	55.57	1
110 x 50000	150	1	2975	55.57	1
110 x 50000	180	1	2976	55.57	1
110 x 50000	240	1	2978	56.12	1
115 x 50000	40	1	2983	92.06	1
115 x 50000	60	1	2985	72.82	1
115 x 50000	80	1	2986	63.76	1
115 x 50000	100	1	2987	58.10	1
115 x 50000	120	1	2988	58.10	1
115 x 50000	150	1	2989	58.10	1
115 x 50000	180	1	2990	58.10	1
115 x 50000	220	1	2991	58.68	1
115 x 50000	240	1	2992	58.68	1
150 x 50000	80	1	3014	83.16	1
150 x 50000	100	1	3015	75.79	1
150 x 50000	120	1	3016	75.79	1
200 x 50000	40	1	3053	160.10	1
200 x 50000	60	1	3055	126.64	1
200 x 50000	80	1	3056	110.90	1
200 x 50000	120	1	3058	101.04	1

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order 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 handheld machine sanding of virtually any material - Large grit range allows use from rough sanding to finishing

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 50000	40	1	244611	72.27	1
115 x 50000	60	1	244612	57.27	1
115 x 50000	80	1	244613	50.21	1
115 x 50000	100	1	244614	45.80	1
115 x 50000	120	1	244615	45.80	1
115 x 50000	150	1	244616	45.80	1
115 x 50000	180	1	244599	45.80	1
115 x 50000	240	1	244597	46.23	1

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	Price/pc. £	Discount group
115 x 4500	40	10	174094	7.00	1
115 x 4500	60	10	174095	5.68	1
115 x 4500	80	10	174096	5.15	1
115 x 4500	100	10	174097	4.75	1
115 x 4500	120	10	174098	4.75	1

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order 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	Price/pc. £	Discount group
115 x 4500	150	10	174099	<b>4.75</b>	1
115 x 4500	180	10	174100	<b>4.75</b>	1
115 x 50000	40	1	174086	<b>57.62</b>	1
115 x 50000	60	1	174088	<b>46.96</b>	1
115 x 50000	80	1	174089	<b>41.97</b>	1
115 x 50000	100	1	174090	<b>38.82</b>	1
115 x 50000	120	1	174091	<b>38.82</b>	1
115 x 50000	150	1	174092	<b>38.82</b>	1
115 x 50000	180	1	174093	<b>38.82</b>	1
115 x 50000	240	1	182418	<b>39.12</b>	1
115 x 50000	320	1	182419	<b>39.12</b>	1

Finishing paper

### PL 31 B



#### Properties

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

#### Applications

Paint/Varnish/Filler	●
Wood	●
Metals	○

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
95 x 50000	40	1	3279	<b>51.82</b>	1
95 x 50000	60	1	3281	<b>42.13</b>	1
95 x 50000	80	1	3282	<b>37.58</b>	1
95 x 50000	100	1	3191	<b>34.72</b>	1
95 x 50000	120	1	3192	<b>34.72</b>	1
95 x 50000	180	1	3194	<b>34.72</b>	1
95 x 50000	240	1	3196	<b>34.99</b>	1
110 x 50000	40	1	3287	<b>60.01</b>	1
110 x 50000	60	1	3289	<b>48.78</b>	1
110 x 50000	80	1	3290	<b>43.50</b>	1
110 x 50000	100	1	3213	<b>40.21</b>	1
110 x 50000	120	1	3214	<b>40.21</b>	1
110 x 50000	150	1	3215	<b>40.21</b>	1
110 x 50000	180	1	3216	<b>40.21</b>	1
110 x 50000	220	1	3217	<b>40.52</b>	1
110 x 50000	240	1	3218	<b>40.52</b>	1
110 x 50000	280	1	3219	<b>40.52</b>	1
110 x 50000	320	1	3220	<b>40.52</b>	1
110 x 50000	400	1	3222	<b>40.52</b>	1

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order 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	Price/pc. £	Discount group
115 x 50000	40	1	3291	<b>62.74</b>	1
115 x 50000	60	1	3293	<b>51.02</b>	1
115 x 50000	80	1	3294	<b>45.49</b>	1
115 x 50000	100	1	3224	<b>42.02</b>	1
115 x 50000	120	1	3225	<b>42.02</b>	1
115 x 50000	150	1	3226	<b>42.02</b>	1
115 x 50000	180	1	3227	<b>42.02</b>	1
115 x 50000	220	1	3228	<b>42.38</b>	1
115 x 50000	240	1	3229	<b>42.38</b>	1
115 x 50000	280	1	3230	<b>42.38</b>	1
115 x 50000	320	1	3231	<b>42.38</b>	1
115 x 50000	400	1	3233	<b>42.38</b>	1

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	Price/pc. £	Discount group
110 x 50000	60	1	146981	<b>61.10</b>	1
110 x 50000	80	1	146982	<b>53.99</b>	1
110 x 50000	100	1	146983	<b>49.55</b>	1
110 x 50000	120	1	146386	<b>49.55</b>	1
110 x 50000	150	1	148494	<b>49.55</b>	1
110 x 50000	180	1	147935	<b>49.55</b>	1
110 x 50000	220	1	148495	<b>49.99</b>	1
110 x 50000	240	1	147114	<b>49.99</b>	1
110 x 50000	280	1	148496	<b>49.99</b>	1
110 x 50000	320	1	147110	<b>49.99</b>	1
110 x 50000	400	1	146387	<b>49.99</b>	1
115 x 50000	60	1	155815	<b>63.88</b>	1
115 x 50000	80	1	147575	<b>56.44</b>	1
115 x 50000	100	1	147576	<b>51.78</b>	1
115 x 50000	120	1	153398	<b>51.78</b>	1
115 x 50000	150	1	153177	<b>51.78</b>	1
115 x 50000	180	1	149480	<b>51.78</b>	1
115 x 50000	220	1	149698	<b>52.26</b>	1

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order 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	Price/pc. £	Discount group
115 x 50000	240	1	147055	<b>52.26</b>	1
115 x 50000	280	1	165031	<b>52.26</b>	1
115 x 50000	320	1	148891	<b>52.26</b>	1
115 x 50000	400	1	145520	<b>52.26</b>	1

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
110 x 50000	80	1	307878	<b>64.01</b>	1
110 x 50000	100	1	307879	<b>58.35</b>	1
110 x 50000	120	1	307880	<b>58.35</b>	1
110 x 50000	150	1	307881	<b>58.35</b>	1
110 x 50000	180	1	307882	<b>58.35</b>	1
115 x 50000	60	1	307884	<b>76.38</b>	1
115 x 50000	80	1	302592	<b>66.91</b>	1
115 x 50000	100	1	307885	<b>61.01</b>	1
115 x 50000	120	1	302591	<b>61.01</b>	1
115 x 50000	150	1	307886	<b>61.01</b>	1

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 19. Please see Applications Guide on page 19.

# Rolls with paper backing

Coated abrasives



Rolls

Abrasive paper

## PS 73 W Soft



### 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		Price/pc. £		Discount group															
115 x 25000		120	1		321755		50.58		1															
115 x 25000		150	1		325711		45.66		1															
115 x 25000		180	1		321756		45.66		1															
115 x 25000		240	1		321757		45.66		1															
115 x 25000		320	1		321758		45.66		1															
115 x 25000		400	1		321760		45.66		1															
115 x 25000		600	1		325022		45.66		1															
115 x 25000		800	1		325423		45.66		1															

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order 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 woodworking - Good price-performance ratio

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## LS 309 JF



### Properties

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

### Applications

Metals	●
Wood	●

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order 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

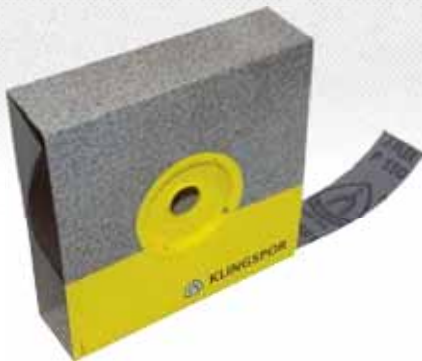
Available grits:

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

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	Price/pc. £	Discount group
25 x 50000	40	1	3769	<b>43.29</b>	2
25 x 50000	60	1	3771	<b>37.98</b>	2
25 x 50000	80	1	3772	<b>35.49</b>	2
25 x 50000	100	1	3773	<b>33.92</b>	2
25 x 50000	120	1	3774	<b>33.92</b>	2
25 x 50000	150	1	3775	<b>33.92</b>	2
25 x 50000	180	1	3776	<b>33.92</b>	2
25 x 50000	220	1	3777	<b>34.23</b>	2
25 x 50000	240	1	3778	<b>34.23</b>	2
25 x 50000	320	1	3780	<b>34.23</b>	2
25 x 50000	400	1	3782	<b>34.23</b>	2
25 x 50000	600	1	64825	<b>34.23</b>	2
30 x 50000	60	1	3787	<b>45.60</b>	2

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order 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	Price/pc. £	Discount group
30 x 50000	80	1	91286	<b>42.59</b>	2
30 x 50000	100	1	3789	<b>40.71</b>	2
30 x 50000	120	1	3790	<b>40.71</b>	2
30 x 50000	150	1	3791	<b>40.71</b>	2
30 x 50000	180	1	3792	<b>40.71</b>	2
30 x 50000	240	1	3794	<b>41.08</b>	2
30 x 50000	320	1	3796	<b>41.08</b>	2
30 x 50000	400	1	3798	<b>41.08</b>	2
40 x 25000	40	1	4201	<b>35.19</b>	2
40 x 25000	50	1	4202	<b>32.81</b>	2
40 x 25000	60	1	4203	<b>30.73</b>	2
40 x 25000	80	1	4204	<b>28.61</b>	2
40 x 25000	100	1	4205	<b>27.29</b>	2
40 x 25000	120	1	4206	<b>27.29</b>	2
40 x 25000	150	1	4207	<b>27.29</b>	2
40 x 25000	180	1	4208	<b>27.29</b>	2
40 x 25000	220	1	4209	<b>27.56</b>	2
40 x 25000	240	1	4210	<b>27.56</b>	2
40 x 25000	320	1	4212	<b>27.56</b>	2
40 x 25000	400	1	4214	<b>27.56</b>	2
40 x 50000	40	1	3833	<b>66.99</b>	2
40 x 50000	60	1	3835	<b>58.47</b>	2
40 x 50000	80	1	3836	<b>54.48</b>	2
40 x 50000	100	1	3837	<b>51.99</b>	2
40 x 50000	120	1	3838	<b>51.99</b>	2
40 x 50000	150	1	3839	<b>51.99</b>	2
40 x 50000	180	1	3840	<b>51.99</b>	2
40 x 50000	220	1	3841	<b>52.48</b>	2
40 x 50000	240	1	3842	<b>52.48</b>	2
40 x 50000	280	1	3843	<b>52.48</b>	2
40 x 50000	320	1	3844	<b>52.48</b>	2
40 x 50000	360	1	3845	<b>52.48</b>	2
40 x 50000	400	1	3846	<b>52.48</b>	2
40 x 50000	600	1	64830	<b>52.48</b>	2
50 x 25000	40	1	4217	<b>43.97</b>	2
50 x 25000	60	1	4219	<b>38.41</b>	2
50 x 25000	80	1	4220	<b>35.74</b>	2
50 x 25000	100	1	4221	<b>34.11</b>	2
50 x 25000	120	1	4222	<b>34.11</b>	2
50 x 25000	150	1	4223	<b>34.11</b>	2
50 x 25000	180	1	4224	<b>34.11</b>	2
50 x 25000	220	1	4225	<b>34.45</b>	2
50 x 25000	240	1	4226	<b>34.45</b>	2
50 x 25000	320	1	4228	<b>34.45</b>	2
50 x 25000	400	1	4230	<b>34.45</b>	2
50 x 25000	600	1	64831	<b>34.45</b>	2
50 x 50000	40	1	3849	<b>83.73</b>	2
50 x 50000	50	1	3850	<b>78.11</b>	2
50 x 50000	60	1	3851	<b>73.10</b>	2
50 x 50000	80	1	3852	<b>68.12</b>	2
50 x 50000	100	1	3853	<b>64.99</b>	2

Continuation →

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 19. Please see Applications Guide on page 19.**

# Rolls with cloth backing

Coated abrasives



Rolls

→ Continuation of KL 361 JF, Abrasive cloth, brown

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
50 x 50000	120	1	3854	<b>64.99</b>	2
50 x 50000	150	1	3855	<b>64.99</b>	2
50 x 50000	180	1	3856	<b>64.99</b>	2
50 x 50000	220	1	3857	<b>65.60</b>	2
50 x 50000	240	1	3858	<b>65.60</b>	2
50 x 50000	280	1	3859	<b>65.60</b>	2
50 x 50000	320	1	3860	<b>65.60</b>	2
50 x 50000	360	1	3861	<b>65.60</b>	2
50 x 50000	400	1	3862	<b>65.60</b>	2
50 x 50000	500	1	3863	<b>65.60</b>	2
50 x 50000	600	1	64832	<b>65.60</b>	2

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	Price/pc. £	Discount group
80 x 50000	80	1	3900	<b>106.75</b>	2
80 x 50000	120	1	3902	<b>101.74</b>	2
80 x 50000	150	1	3903	<b>101.74</b>	2
100 x 50000	40	1	3913	<b>164.70</b>	2
100 x 50000	50	1	3914	<b>153.42</b>	2
100 x 50000	60	1	3915	<b>143.43</b>	2
100 x 50000	80	1	3916	<b>133.42</b>	2
100 x 50000	100	1	3917	<b>127.18</b>	2
100 x 50000	120	1	3918	<b>127.18</b>	2
100 x 50000	150	1	3919	<b>127.18</b>	2
100 x 50000	180	1	3920	<b>127.18</b>	2
100 x 50000	220	1	3921	<b>128.41</b>	2
100 x 50000	240	1	3922	<b>128.41</b>	2
100 x 50000	320	1	3924	<b>128.41</b>	2
100 x 50000	400	1	3926	<b>128.41</b>	2
100 x 50000	600	1	64835	<b>128.41</b>	2
110 x 50000	40	1	3929	<b>181.16</b>	2
110 x 50000	60	1	3931	<b>157.79</b>	2
110 x 50000	80	1	3932	<b>146.76</b>	2

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order 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	Price/pc. £	Discount group
110 x 50000	100	1	3933	<b>139.90</b>	2
110 x 50000	120	1	3934	<b>139.90</b>	2
110 x 50000	180	1	3936	<b>139.90</b>	2
110 x 50000	240	1	3938	<b>141.26</b>	2
115 x 50000	40	1	3945	<b>189.40</b>	2
115 x 50000	60	1	3947	<b>164.95</b>	2
115 x 50000	80	1	3948	<b>153.45</b>	2
115 x 50000	100	1	3949	<b>146.26</b>	2
115 x 50000	120	1	3950	<b>146.26</b>	2
115 x 50000	150	1	3951	<b>146.26</b>	2
115 x 50000	180	1	3952	<b>146.26</b>	2
115 x 50000	240	1	3954	<b>147.68</b>	2
115 x 50000	320	1	3956	<b>147.68</b>	2
120 x 50000	60	1	3963	<b>172.10</b>	2
120 x 50000	80	1	3964	<b>160.12</b>	2
120 x 50000	100	1	3965	<b>152.62</b>	2
120 x 50000	120	1	3966	<b>152.62</b>	2
120 x 50000	180	1	3968	<b>152.62</b>	2
150 x 50000	40	1	3977	<b>247.05</b>	2
150 x 50000	60	1	3979	<b>215.15</b>	2
150 x 50000	80	1	3980	<b>200.13</b>	2
150 x 50000	100	1	3981	<b>190.76</b>	2
150 x 50000	120	1	3982	<b>190.76</b>	2
150 x 50000	150	1	3983	<b>190.76</b>	2

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	Price/pc. £	Discount group
115 x 5000	60	1	278789	<b>15.63</b>	2
115 x 5000	80	1	278790	<b>14.58</b>	2
115 x 5000	120	1	278791	<b>13.93</b>	2
115 x 5000	320	1	278792	<b>14.09</b>	2

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order 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				Price/pc. £			Discount group				
25 x 50000					60			1					218196				27.26			2				
25 x 50000					80			1					218197				25.56			2				
25 x 50000					100			1					218198				24.49			2				
25 x 50000					120			1					218199				24.49			2				
40 x 50000					40			1					218077				47.16			2				
40 x 50000					60			1					218079				41.35			2				
40 x 50000					80			1					218080				38.61			2				
40 x 50000					100			1					218081				36.91			2				
40 x 50000					120			1					218082				36.91			2				
40 x 50000					150			1					218083				36.91			2				
40 x 50000					180			1					218084				36.91			2				
40 x 50000					220			1					218085				37.24			2				
40 x 50000					240			1					218086				37.24			2				
40 x 50000					320			1					218088				37.24			2				
40 x 50000					400			1					218090				37.24			2				
50 x 50000					40			1					218094				58.97			2				
50 x 50000					60			1					218096				51.69			2				
50 x 50000					80			1					218097				48.28			2				
50 x 50000					100			1					218098				46.13			2				
50 x 50000					120			1					218099				46.13			2				
50 x 50000					150			1					218100				46.13			2				
50 x 50000					180			1					218101				46.13			2				
50 x 50000					220			1					218102				46.58			2				
50 x 50000					240			1					218103				46.58			2				
50 x 50000					320			1					218105				46.58			2				
50 x 50000					400			1					218107				46.58			2				

Recommended prices. Other grits and sizes available on request.

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

## Rolls with cloth backing / Accessory

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 50000	40	1	224650	<b>132.45</b>	2
115 x 50000	60	1	228151	<b>115.74</b>	2
115 x 50000	80	1	228363	<b>107.86</b>	2
115 x 50000	100	1	228364	<b>102.97</b>	2
115 x 50000	120	1	228365	<b>102.97</b>	2
115 x 50000	150	1	228370	<b>102.97</b>	2
115 x 50000	180	1	228366	<b>102.97</b>	2
115 x 50000	240	1	228367	<b>103.94</b>	2
115 x 50000	320	1	228368	<b>103.94</b>	2
115 x 50000	400	1	228369	<b>103.94</b>	2

ROLL-BOX

### ROLL-BOX

NEW



**Advantages:** Handy and saves storage of economy rolls - Abrasive tears off cleanly and easily - Quick and simple replacement of rolls

Width x Length x Height in mm	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 340 x 230	1	76403	<b>147.05</b>	14

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 19. Please see Applications Guide on page 19.

Graphite coated canvas

## CS 395 X



### Properties

Grain	Graphite
Coating	Lamellar
Backing	X-cloth

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

All sizes and minimum purchasing quantities available on request

Self-fastening support/backing/coating

## CS 396 Y

NEW



### Properties

Engaging elements	Mushroom heads
Thickness	1,5 mm
Temperature range	-30° to +80°

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

All sizes and minimum purchasing quantities available on request

# Rolls, non-woven web

## Coated abrasives

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	Price/pc. £	Discount group
100 x 10000	medium	Aluminium oxide	maroon	1	258870	<b>71.11</b>	7
100 x 10000	fine	Aluminium oxide	maroon	1	258872	<b>66.12</b>	7
100 x 10000	very fine	Aluminium oxide	green	1	258871	<b>55.26</b>	7
100 x 10000	very fine	Aluminium oxide	maroon	1	258873	<b>66.12</b>	7
115 x 10000	medium	Aluminium oxide	maroon	1	258885	<b>81.57</b>	7
115 x 10000	fine	Aluminium oxide	maroon	1	258887	<b>76.29</b>	7
115 x 10000	very fine	Aluminium oxide	green	1	258886	<b>64.94</b>	7
115 x 10000	very fine	Aluminium oxide	maroon	1	258888	<b>76.29</b>	7
150 x 10000	medium	Aluminium oxide	maroon	1	258890	<b>106.51</b>	7
150 x 10000	fine	Aluminium oxide	maroon	1	258892	<b>99.08</b>	7
150 x 10000	very fine	Aluminium oxide	green	1	258891	<b>83.63</b>	7
150 x 10000	very fine	Aluminium oxide	maroon	1	258893	<b>99.08</b>	7
100 x 10000	medium	SiC	black	1	260365	<b>71.11</b>	7
100 x 10000	ultra fine	SiC	grey	1	258874	<b>66.12</b>	7
115 x 10000	medium	SiC	black	1	260366	<b>81.57</b>	7
115 x 10000	ultra fine	SiC	grey	1	258889	<b>76.29</b>	7
150 x 10000	medium	SiC	black	1	260367	<b>106.32</b>	7
150 x 10000	ultra fine	SiC	grey	1	258894	<b>99.08</b>	7

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					
			fine A – maroon				
				general purpose A – green			
					very fine A – maroon		
							ultra fine C – grey

Recommended prices. **Other grades and sizes available on request.**  
**Please observe: Please see Applications Guide on page 19.**

## Notes



## Rolls



# 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	<b>PS 20 F</b>	Al. oxide	F-paper	●	Close coating and heavy, tear resistant backing for high stock removal rate and a long service life for metalworking	<b>49, 78</b>
	<b>PS 21 F</b>	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	<b>49, 78</b>
	<b>PS 729 F</b>	Al. oxide agglomerate	F-paper		Long life belt for dry grinding applications with extremely high life time, for a constant surface quality for pre-grinding until finishing. Especially developed for coil and sheet grinding with intermediate contact pressure. Long life disc for finish with random orbital sander.	<b>53, 84</b>
Stainless Steel	<b>PS 61 F</b>	Ceramic al. oxide	F-paper	●	Close coating, tear resistant backing and continuously self-sharpening ceramic grain, the perfect product for users with highest demands on service life, high stock removal rate and process reliability, for the processing of stainless steel surfaces	<b>52, 83</b>
Wood	<b>PS 22 F ACT</b>	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	<b>49, 79</b>
	<b>PS 26 F</b>	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.	<b>50, 80</b>
	<b>PS 28 F</b>	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	<b>51, 81</b>
	<b>PS 29 F ACT</b>	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	<b>51, 82</b>
	<b>PS 38 G ACT</b>	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	<b>83</b>
Paint, varnish, filler	<b>PS 24 F ACT</b>	SiC	F-paper	●	Close coating, a stable backing with hard silicon grit for painted and coated surfaces in the timber and especially the furniture industry	<b>50, 79</b>
	<b>PS 27 DW</b>	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	<b>50, 80</b>
	<b>FP 73 W</b>	Al. 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	<b>53</b>

Applications abrasive belts with cloth backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel	<b>LS 309 J</b>	Al. oxide	J-cotton	●	Flexible abrasive cloth for processing slightly profiled workpieces, high stock removal rate, particularly suited for metal	<b>56</b>
	<b>LS 309 JF</b>	Al. oxide	JF-cotton	●	Highly flexible abrasive cloth for highly profiled workpieces for the manufacture of fine surfaces in metal and woodworking	<b>56</b>
	<b>LS 309 X</b>	Al. oxide	X-cotton	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	<b>54</b>
	<b>LS 309 XH</b>	Al. oxide	X-cotton	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	<b>47</b>
	<b>CS 310 X</b>	Al. oxide	X-cotton	●	Abrasive cloth for metal and woodworking with stable cloth backing, for heavy duty with particularly long service life	<b>57, 71, 72, 85</b>
	<b>CS 410 X</b>	Al. oxide	X-cotton	●	Abrasive cloth with tear resistant backing for heavy duty, multibond for long service life, especially suited for stainless steel processing	<b>64</b>
	<b>CS 341 X</b>	Al. oxide	X-cotton waterproof	●	Waterproof abrasive cloth for wet grinding on steel and stainless steel, particularly suited for centreless and surface grinding	<b>63, 89</b>
	<b>CS 308 Y</b>	Al. oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	<b>54, 85</b>
Steel / Stainless steel	<b>CS 412 Y</b>	Al. oxide	Y-polyester	●	Sturdy and highly tear resistant polyester backing for coarse and intermediate grinding on metal	<b>66, 91</b>
	<b>CS 310 XF</b>	Al. oxide	XF-cotton	●	Flexible abrasive cloth for profiled metal formed parts, standard quality for use with hand tool belt grinders	<b>44</b>

● = 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	<b>CS 411 X</b>	Zirconia alumina	X-cotton	●	High performance belt with high stock removal rate for rough grinding and deburring of steel and stainless steel	<b>64</b>
	<b>CS 411 Y</b>	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	<b>45, 65, 90</b>
	<b>CS 416 Y</b>	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	<b>66</b>
	<b>CS 330 X</b>	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	<b>62, 88</b>
	<b>CS 811 Y ACT</b>	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	<b>68</b>
Stainless steel	<b>LS 312 JF</b>	Al. oxide	JF-cotton	●	Highly flexible, specially coated high quality product for stainless steel shaped parts e.g. fittings, mountings and surgical instruments	<b>58</b>
	<b>LS 313 JF</b>	Al. oxide	JF-cotton	●	Highly flexible high quality product for stainless steel shaped parts, additional multibond for cool grinding and long service life	<b>59</b>
	<b>CS 931 JF</b>	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.	<b>69</b>
	<b>GX 931 JF</b>	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.	<b>69</b>
	<b>GX 712 JF</b>	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	<b>68</b>
	<b>CS 329 JF</b>	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	<b>61</b>
	<b>CS 631 XF</b>	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	<b>67</b>
	<b>CS 411 X</b>	Zirconia alumina	X-cotton	●	High performance belt with high stock removal rate for rough grinding and deburring of steel and stainless steel	<b>64</b>
	<b>CS 411 Y</b>	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	<b>45, 65, 90</b>
	<b>CS 416 Y</b>	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	<b>66</b>
	<b>CS 409 Y</b>	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	<b>63, 90</b>
	<b>CS 912 Y ACT</b>	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	<b>45, 69, 92</b>
	<b>CS 910 Y ACT</b>	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	<b>68</b>
	<b>CS 330 X</b>	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	<b>62, 88</b>
	<b>CS 326 Y</b>	Al. oxide agglomerate	Y-polyester		Long life belt for wet grinding with extremely long service and uniform scratch pattern for centreless circular and surface grinding	<b>61, 87</b>
	<b>CS 329 Y</b>	Al. oxide agglomerate	Y-polyester		Long life belt with very long service life and constant surface finish for centreless circular and surface grinding. Aggressive grinding behaviour with low tool pressure	<b>61, 88</b>
	<b>CS 420 Y</b>	Al. oxide agglomerate	Y-polyester		Special product with knob structure for the centreless finishing of stainless steel. Very long service life and uniform scratch pattern	<b>67</b>
	<b>CS 325 Y</b>	SiC agglomerate	Y-polyester		Long life belt with particular long service life and constant surface finish for centreless finishing	<b>60</b>
	<b>CS 811 Y ACT</b>	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	<b>68</b>
NF metals	<b>CS 333 JF</b>	SiC	JF-cotton	●	Highly flexible abrasive belt for metal shaped parts, particularly suited for NF metals	<b>63</b>
	<b>CS 333 XF</b>	SiC	XF-cotton	●	Flexible abrasive belt for metal shaped parts, particularly for NF metals	<b>62</b>
	<b>GX 533 JF</b>	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	<b>67</b>
	<b>GX 712 JF</b>	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	<b>68</b>

● = close   ⦿ = semi-open   ○ = open

Continuation →

Applications abrasive belts with cloth backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Wood	<b>LS 309 X</b>	Al. oxide	X-cloth	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	<b>54</b>
	<b>LS 309 XH</b>	Al. oxide	X-cloth	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	<b>47</b>
	<b>CS 311 Y ACT</b>	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	<b>58, 86</b>
	<b>CS 308 Y</b>	Al. oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	<b>54, 85</b>
	<b>LS 318 JF ACT</b>	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	<b>59</b>
	<b>CS 538 Z ACT</b>	SiC	Z-polyester (can be segmented)	●	Special product for the timber products industry. A close coating and antistatic technology ensure an optimal service life. The sharp silicon carbide easily penetrates high density material surfaces	<b>91</b>
Plastic	<b>CS 336 Y</b>	SiC	Y-polyester	●	Special product for calibrating and grinding of chipboard.	<b>89</b>
	<b>GX 533 JF</b>	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	<b>67</b>
Plastic / glass	<b>CS 333 X</b>	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)	<b>62</b>
	<b>CS 320 Y</b>	SiC	Y-polyester	●	Highly tear resistant special belt for high demands for wet and dry grinding of glass, ceramic and plastic	<b>59, 86</b>
Glass	<b>CS 321 X</b>	SiC	X-cloth	●	Special belt for wet and dry grinding of glass, ceramic and plastic	<b>60, 87</b>
	<b>CS 322 X</b>	(Cork)	X-cloth waterproof		Special belt for polishing glass	<b>60</b>

Applications non-woven web belts						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Stainless steel	<b>NBF 800</b>	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	<b>46</b>
	<b>NBS 800</b>	Al. oxide	Non-woven web + polyester lining		Structure as for NBF 800, though for handheld machines with larger pulleys and stationary belt sanders	<b>70</b>
	<b>NBS 850</b>	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	<b>70</b>

● = close   ● = semi-open   ○ = open

### Minimum order quantities for made to order items

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

### Minimum order quantities NBF 800 / NBS 800 / NBS 850

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 pieces so additional quantities, delivery of which has to be taken, or short shipments can occur.

# Short and long belts

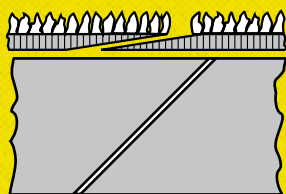
## Applications guide

### Belt joints for long and short belts

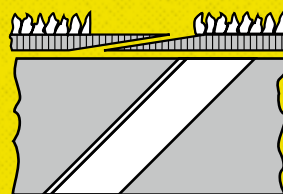
Klingspor supplies belts with various types of joints. The type of joint you require depends on the work involved and the machine you are using. The following illustrations show the usual types of joint.

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

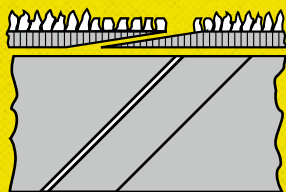
**If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.**



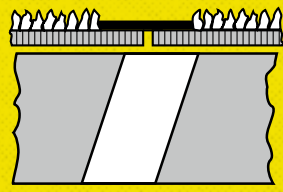
**Type 1**  
Diagonal cut, glued overlapped.



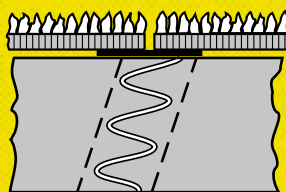
**Type 5**  
Overlapping glued joint. Grit zone is completely ground off. Preferred joint for wood finishes with flat contact elements



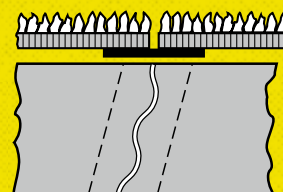
**Type 2**  
Diagonal cut, glued overlapped. Grain tips are completely removed from the overlap to provide for a smoother running belt



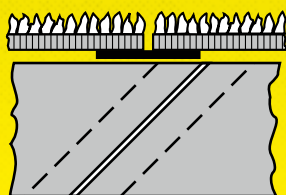
**Type 6 G**  
Diagonal cut, butt joint with cloth-reinforced foil glued on grit side. Grit zone is completely ground off. Use on machines with planar contact elements.



**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
<b>Bütfering</b>	E-Line 113	370	1900
<b>CMC</b>	KL 150	150	2250
	KL 150 OS	150	2400
	CL 260	120/150	7050
	CL 300	120/150	7850
<b>Fein</b>	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
<b>Flott</b>	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
<b>Greif</b>	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
<b>Heesemann</b>	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
<b>Hema</b>	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
<b>Hess</b>	Junior, Expert	200	1850
	Gloria	200	1600

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

Belts

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	GVS 350 AE		40 × 303	
	KSM 2500	150	2515	PVS 300 AE		40 × 303	
SCM	TecnoMax UNILEV 150	150	2170	Bosch	PBS 60	60 × 400	
	TecnoMax LS	150	7100		PBS 60 E	60 × 400	
Stähle	Saturn E, Saturn Quattro	200	1800		GBS 75 AE	75 × 533	
	Saturn Duo Comfort	200–320	1800		PBS 75	75 × 533	
Vobhag	ERS 25, EFS25, VFS 25	250	2500		PBS 75 A	75 × 533	
	VFS 42, DSM 42	420	2500		PBS 75 AE	75 × 533	
	DSM 46	460	2500		PBS 75 E	75 × 533	
	VFS 52	520	2500		PBS 7 A, PBS 7 AE	75 × 457	
	DSM 46/600	600	2500		GBS 100 A	100 × 620	
Wegoma	KS2250/P	150	2250		DeWalt	GBS 100 AE	100 × 620
	KS2400	150	2400	D26480		64 × 356	
	KS2600, KS2600FU	200	2600	MHB158		75 × 480	
			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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
6 x 610	40	F4G	25	4644	<b>0.83</b>	4
6 x 610	60	F4G	25	4645	<b>0.81</b>	4
6 x 610	80	F4G	25	4646	<b>0.79</b>	4
6 x 610	120	F4G	25	70595	<b>0.79</b>	4
9 x 533	40	F4G	25	286879	<b>0.81</b>	4
9 x 533	60	F4G	25	156968	<b>0.79</b>	4
9 x 533	80	F4G	25	286880	<b>0.77</b>	4
9 x 533	120	F4G	25	286881	<b>0.77</b>	4
10 x 330	40	F4G	25	86104	<b>0.73</b>	4
10 x 330	60	F4G	25	71110	<b>0.71</b>	4
10 x 330	80	F4G	25	71111	<b>0.71</b>	4
10 x 330	100	F4G	25	71112	<b>0.69</b>	4
10 x 330	120	F4G	25	71957	<b>0.69</b>	4
12 x 520	40	F4G	25	160139	<b>0.81</b>	4
12 x 520	60	F4G	25	160201	<b>0.77</b>	4
12 x 520	80	F4G	25	159040	<b>0.77</b>	4
12 x 520	120	F4G	25	160140	<b>0.75</b>	4
13 x 450	40	F4G	25	90914	<b>0.79</b>	4
13 x 450	60	F4G	25	75505	<b>0.77</b>	4
13 x 450	80	F4G	25	97081	<b>0.75</b>	4
13 x 450	120	F4G	25	105794	<b>0.75</b>	4
13 x 455	40	F4G	25	72895	<b>0.79</b>	4
13 x 455	60	F4G	25	73099	<b>0.77</b>	4
13 x 455	80	F4G	25	149565	<b>0.75</b>	4
13 x 455	100	F4G	25	73176	<b>0.75</b>	4
13 x 455	120	F4G	25	74086	<b>0.75</b>	4
13 x 610	40	F4G	25	4652	<b>0.85</b>	4
13 x 610	60	F4G	25	4653	<b>0.83</b>	4
13 x 610	80	F4G	25	4654	<b>0.81</b>	4
13 x 610	120	F4G	25	70591	<b>0.79</b>	4
13 x 610	240	F4G	25	99182	<b>0.79</b>	4
20 x 520	40	F4G	25	71959	<b>0.96</b>	4
20 x 520	60	F4G	25	71960	<b>0.89</b>	4
20 x 520	80	F4G	25	71961	<b>0.87</b>	4
20 x 520	120	F4G	25	71963	<b>0.85</b>	4
40 x 303	60	F4G	10	184719	<b>1.26</b>	4
40 x 303	80	F4G	10	188885	<b>1.24</b>	4

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

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 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	Price/pc. £	Discount group
9 x 533	40	F4G	25	286886	<b>1.28</b>	4
9 x 533	60	F4G	25	286887	<b>1.22</b>	4
9 x 533	80	F4G	25	286888	<b>1.19</b>	4
10 x 330	40	F4G	25	325250	<b>1.10</b>	4
10 x 330	60	F4G	25	302797	<b>1.08</b>	4
10 x 330	80	F4G	25	302798	<b>1.04</b>	4
13 x 610	40	F4G	25	322530	<b>1.37</b>	4
13 x 610	60	F4G	25	302784	<b>1.28</b>	4
13 x 610	80	F4G	25	302785	<b>1.25</b>	4
20 x 520	36	F4G	25	322531	<b>1.60</b>	4
20 x 520	40	F4G	25	322532	<b>1.58</b>	4
20 x 520	60	F4G	25	302791	<b>1.43</b>	4
20 x 520	80	F4G	25	302792	<b>1.39</b>	4

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 steel and stainless steel grinding

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

**NEW**

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# File belts

## Coated abrasives

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, matt 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	Price/pc. £	Discount group
6 x 520	coarse	brown	F4W	10	258646	<b>5.49</b>	7
6 x 520	medium	maroon	F4W	10	258647	<b>4.75</b>	7
6 x 520	very fine	blue	F4W	10	258648	<b>4.75</b>	7
9 x 533	coarse	brown	F4W	10	258652	<b>5.66</b>	7
9 x 533	medium	maroon	F4W	10	258653	<b>4.85</b>	7
9 x 533	very fine	blue	F4W	10	258654	<b>4.85</b>	7
10 x 330	coarse	brown	F4W	10	258655	<b>4.11</b>	7
10 x 330	medium	maroon	F4W	10	258656	<b>3.56</b>	7
10 x 330	very fine	blue	F4W	10	258657	<b>3.56</b>	7
12 x 520	coarse	brown	F4W	10	258658	<b>5.49</b>	7
12 x 520	medium	maroon	F4W	10	258659	<b>4.75</b>	7
12 x 520	very fine	blue	F4W	10	258660	<b>4.75</b>	7
12 x 533	coarse	brown	F4W	10	258661	<b>5.66</b>	7
12 x 533	medium	maroon	F4W	10	258662	<b>4.85</b>	7
12 x 533	very fine	blue	F4W	10	258663	<b>4.85</b>	7
13 x 457	coarse	brown	F4W	10	258664	<b>5.35</b>	7
13 x 457	medium	maroon	F4W	10	258665	<b>4.58</b>	7
13 x 457	very fine	blue	F4W	10	258666	<b>4.58</b>	7
13 x 610	coarse	brown	F4W	10	258667	<b>6.58</b>	7
13 x 610	medium	maroon	F4W	10	258668	<b>5.56</b>	7
13 x 610	very fine	blue	F4W	10	258669	<b>5.56</b>	7
20 x 520	coarse	brown	F4W	10	258671	<b>8.09</b>	7
20 x 520	medium	maroon	F4W	10	258672	<b>6.80</b>	7
20 x 520	very fine	blue	F4W	10	258673	<b>6.80</b>	7
28 x 533	coarse	brown	F4W	10	258674	<b>11.86</b>	7
28 x 533	medium	maroon	F4W	10	258695	<b>9.98</b>	7
28 x 533	very fine	blue	F4W	10	258696	<b>9.98</b>	7
30 x 533	coarse	brown	F4W	5	258699	<b>12.56</b>	7
30 x 533	medium	maroon	F4W	5	258700	<b>10.52</b>	7
30 x 533	very fine	blue	F4W	5	258701	<b>10.52</b>	7
30 x 610	medium	maroon	F4W	5	258703	<b>11.60</b>	7
30 x 610	very fine	blue	F4W	5	258704	<b>11.60</b>	7

Recommended prices. **Other grades and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# Short belts for handheld machines

Coated abrasives



Abrasive cloth

## LS 309 XH



### Properties

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

### Applications

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

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Width x Length in mm				Grit		Belt joint			Packing unit/pcs.				Cat. number		Price/pc. £		Discount group							
60 x 400				60		F5			10				4100		1.39		4							
60 x 400				80		F5			10				4104		1.35		4							
60 x 400				120		F5			10				4097		1.34		4							
65 x 410				40		F5			10				4106		1.53		4							
65 x 410				60		F5			10				4114		1.44		4							
65 x 410				80		F5			10				4120		1.41		4							
65 x 410				100		F5			10				4124		1.37		4							
65 x 410				120		F5			10				4128		1.37		4							
75 x 457				40		F5			10				37269		1.71		4							
75 x 457				60		F5			10				38825		1.60		4							
75 x 457				80		F5			10				40345		1.55		4							
75 x 457				100		F5			10				41560		1.51		4							
75 x 457				120		F5			10				42627		1.51		4							
75 x 457				150		F5			10				43020		1.51		4							
75 x 480				40		F5			10				4098		1.75		4							
75 x 480				60		F5			10				4107		1.64		4							
75 x 480				80		F5			10				4115		1.59		4							
75 x 480				100		F5			10				4121		1.55		4							
75 x 480				120		F5			10				4125		1.55		4							
75 x 508				40		F5			10				4099		1.81		4							
75 x 508				60		F5			10				4103		1.76		4							
75 x 508				80		F5			10				4117		1.70		4							
75 x 508				100		F5			10				4118		1.59		4							
75 x 533				40		F5			10				4137		1.85		4							
75 x 533				60		F5			10				4139		1.73		4							
75 x 533				80		F5			10				4140		1.66		4							
75 x 533				100		F5			10				4141		1.62		4							
75 x 533				120		F5			10				4142		1.62		4							
75 x 533				150		F5			10				4143		1.62		4							
75 x 533				180		F5			10				4144		1.62		4							
75 x 533				240		F5			10				43614		1.64		4							
75 x 610				40		F5			10				37285		1.98		4							
75 x 610				60		F5			10				38842		1.84		4							
75 x 610				80		F5			10				40365		1.85		4							

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# Short belts for handheld machines

## Coated abrasives

→ Continuation of LS 309 XH, Abrasive cloth

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
75 x 610	100	F5	10	41576	<b>1.81</b>	4
75 x 610	120	F5	10	42642	<b>1.81</b>	4
100 x 560	40	F5	10	4151	<b>2.41</b>	4
100 x 560	60	F5	10	4473	<b>2.13</b>	4
100 x 560	80	F5	10	4474	<b>2.03</b>	4
100 x 560	100	F5	10	4475	<b>1.98</b>	4
100 x 560	120	F5	10	4476	<b>1.98</b>	4
100 x 560	150	F5	10	4477	<b>1.98</b>	4
100 x 560	180	F5	10	73079	<b>1.98</b>	4
100 x 610	40	F5	10	4478	<b>2.41</b>	4
100 x 610	60	F5	10	4480	<b>2.22</b>	4
100 x 610	80	F5	10	4481	<b>2.13</b>	4
100 x 610	100	F5	10	4482	<b>2.07</b>	4
100 x 610	120	F5	10	4483	<b>2.07</b>	4
100 x 610	150	F5	10	4484	<b>2.07</b>	4
100 x 610	180	F5	10	43302	<b>2.07</b>	4
100 x 620	40	F5	10	6272	<b>2.43</b>	4
100 x 620	60	F5	10	6278	<b>2.24</b>	4
100 x 620	80	F5	10	6283	<b>2.15</b>	4
100 x 620	100	F5	10	6284	<b>2.09</b>	4
100 x 620	120	F5	10	6286	<b>2.09</b>	4
100 x 620	150	F5	10	6288	<b>2.09</b>	4
105 x 620	40	F5	10	4485	<b>2.59</b>	4
105 x 620	60	F5	10	4487	<b>2.52</b>	4
105 x 620	80	F5	10	4489	<b>2.41</b>	4
105 x 620	100	F5	10	4490	<b>2.24</b>	4
105 x 620	120	F5	10	4491	<b>2.24</b>	4
105 x 620	150	F5	10	4492	<b>2.24</b>	4
110 x 620	40	F5	10	6290	<b>2.69</b>	4
110 x 620	60	F5	10	6292	<b>2.45</b>	4
110 x 620	80	F5	10	6294	<b>2.37</b>	4
110 x 620	100	F5	10	6295	<b>2.29</b>	4
110 x 620	120	F5	10	6296	<b>2.29</b>	4

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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 - 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 - 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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	●
------	---

**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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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

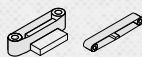
Available grits:

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

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	Price/pc. £	Discount group
150 x 2000	80	F5	10	307797	5.13	3
150 x 2000	100	F5	10	307798	4.81	3
150 x 2000	120	F5	10	307799	4.81	3
150 x 2170	80	F5	10	307800	6.04	3
150 x 2170	120	F5	10	307801	5.70	3
150 x 2250	60	F5	10	307802	6.70	3
150 x 2250	80	F5	10	307803	6.16	3
150 x 2250	100	F5	10	307804	5.82	3
150 x 2250	120	F5	10	307805	5.82	3
150 x 2250	150	F5	10	307806	5.82	3
150 x 2280	80	F5	10	307807	6.21	3
150 x 2280	100	F5	10	307808	5.87	3
150 x 2280	120	F5	10	307809	5.87	3
150 x 2600	80	F5	10	307811	6.72	3
150 x 2600	100	F5	10	307812	6.33	3
150 x 2600	120	F5	10	307813	6.33	3
150 x 3000	80	F5	10	307814	7.35	3
150 x 3000	100	F5	10	307815	6.89	3

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# 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	Price/pc. £	Discount group
150 x 3000	120	F5	10	307816	<b>6.89</b>	3
150 x 6800	80	F2	10	307821	<b>14.00</b>	3
150 x 6800	100	F2	10	307822	<b>12.98</b>	3
150 x 6800	120	F2	10	307823	<b>12.98</b>	3
150 x 6880	80	F2	10	307824	<b>14.17</b>	3
150 x 6880	100	F2	10	307825	<b>13.13</b>	3
150 x 6880	120	F2	10	307826	<b>13.13</b>	3
150 x 7100	60	F2	10	307828	<b>16.20</b>	3
150 x 7100	80	F2	10	307829	<b>14.48</b>	3
150 x 7100	100	F2	10	307830	<b>13.41</b>	3
150 x 7100	120	F2	10	307831	<b>13.41</b>	3
150 x 7100	150	F2	10	307832	<b>13.41</b>	3
150 x 7200	80	F2	10	307833	<b>14.63</b>	3
150 x 7200	100	F2	10	307834	<b>13.56</b>	3
150 x 7200	120	F2	10	307835	<b>13.56</b>	3
150 x 7500	80	F2	10	307837	<b>15.11</b>	3
150 x 7500	100	F2	10	307838	<b>13.97</b>	3
150 x 7500	120	F2	10	307839	<b>13.97</b>	3
150 x 7800	80	F2	10	307840	<b>15.59</b>	3
150 x 7800	100	F2	10	307841	<b>14.41</b>	3
150 x 7800	120	F2	10	307842	<b>14.41</b>	3
150 x 7800	150	F2	10	307843	<b>14.41</b>	3
200 x 1600	80	F5	10	307844	<b>5.51</b>	3
200 x 1600	100	F5	10	307845	<b>5.20</b>	3
200 x 1600	120	F5	10	307846	<b>5.20</b>	3
200 x 3000	80	F5	10	307847	<b>9.79</b>	3
200 x 3000	100	F5	10	307848	<b>9.19</b>	3
200 x 3000	120	F5	10	307849	<b>9.19</b>	3
200 x 3000	150	F5	10	307850	<b>9.19</b>	3

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# Belts with paper/film backing

Coated abrasives



Abrasive paper

## PS 729 F

NEW



### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Backing	F-paper

### Applications

Stainless steel	●
Steel	●

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive film, actively coated

## FP 73 W

NEW



### Properties

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

### Applications

Paint/Varnish/Filler	●
Plastic	●

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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	●	Plastic	○
Wood	●		
Steel	●		
NF metals	●		

**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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

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	Price/pc. £	Discount group
28 x 533	40	F4G	20	36755	1.73	4
28 x 533	60	F4G	20	37945	1.65	4
28 x 533	80	F4G	20	39236	1.63	4
28 x 533	100	F4G	20	40702	1.60	4
28 x 533	120	F4G	20	41900	1.60	4
28 x 533	150	F4G	20	42794	1.60	4
50 x 1020	40	F5	10	36837	3.28	4
50 x 1020	60	F5	25	38075	3.00	4
50 x 1020	80	F5	25	39401	2.87	4
50 x 1020	100	F5	25	40832	2.79	4
50 x 1020	120	F5	25	42020	2.79	4
50 x 2000	40	F4G	10	4502	5.19	4
50 x 2000	60	F4G	25	4531	4.67	4
50 x 2000	80	F4G	25	4548	4.41	4
75 x 2000	40	F4G	10	36923	7.65	4
75 x 2000	60	F4G	10	38198	6.84	4
75 x 2000	80	F4G	10	39556	6.49	4
75 x 2000	100	F4G	10	40930	6.25	4

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# 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	Price/pc. £	Discount group
75 x 2000	120	F4G	10	42119	<b>6.25</b>	4
100 x 800	60	F5	10	38286	<b>4.08</b>	4
100 x 800	80	F5	10	39659	<b>3.90</b>	4
100 x 800	120	F5	10	137024	<b>3.77</b>	4
100 x 860	60	F5	10	38895	<b>4.28</b>	4
100 x 860	80	F5	10	40425	<b>4.08</b>	4
100 x 860	100	F5	10	41621	<b>3.95</b>	4
100 x 860	120	F5	10	42678	<b>3.95</b>	4
100 x 900	60	F5	10	38898	<b>4.45</b>	4
100 x 900	80	F5	10	40428	<b>4.21</b>	4
100 x 900	100	F5	10	41623	<b>4.08</b>	4
100 x 900	120	F5	10	42679	<b>4.08</b>	4
100 x 915	40	F5	10	37324	<b>4.99</b>	4
100 x 915	60	F5	10	38900	<b>4.50</b>	4
100 x 915	80	F5	10	40430	<b>4.26</b>	4
100 x 915	100	F5	10	41625	<b>4.13</b>	4
100 x 915	120	F5	10	42681	<b>4.13</b>	4
100 x 915	150	F5	10	43054	<b>4.13</b>	4
100 x 915	180	F5	10	43308	<b>4.13</b>	4
100 x 915	240	F5	10	128755	<b>4.16</b>	4
100 x 950	40	F5	10	37328	<b>5.09</b>	4
100 x 950	60	F5	10	38904	<b>4.60</b>	4
100 x 950	80	F5	10	40435	<b>4.37</b>	4
100 x 950	100	F5	10	41627	<b>4.21</b>	4
100 x 950	120	F5	10	42684	<b>4.21</b>	4
100 x 1000	40	F5	10	36999	<b>5.30</b>	4
100 x 1000	60	F5	10	38304	<b>4.78</b>	4
100 x 1000	80	F5	10	39679	<b>4.73</b>	4
100 x 1000	100	F5	10	41019	<b>4.37</b>	4
100 x 1000	120	F5	10	42199	<b>4.37</b>	4
150 x 1220	60	F5	10	38428	<b>8.29</b>	4
150 x 1220	80	F5	10	39852	<b>7.86</b>	4
150 x 2000	40	F4G	10	37071	<b>13.84</b>	4
150 x 2000	60	F4G	10	38460	<b>12.27</b>	4
150 x 2000	80	F4G	10	39884	<b>11.52</b>	4
150 x 2000	120	F4G	10	42311	<b>11.06</b>	4

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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

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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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	●
Wood	●
Steel	●
NF metals	●

Plastic ○

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

### Available grits:

20	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	Price/pc. £	Discount group
25 x 1065	60	F4G	10	244635	2.41	4
25 x 1065	80	F4G	10	244634	2.35	4
50 x 1020	40	F5	10	47753	3.90	4
50 x 1020	60	F5	25	48549	3.58	4
50 x 1020	80	F5	25	49300	3.40	4
50 x 2000	40	F4G	10	4587	6.25	4
50 x 2000	60	F4G	25	4590	5.61	4
50 x 2000	80	F4G	25	4591	5.31	4
50 x 2000	120	F4G	25	4593	5.11	4
75 x 2000	36	F4G	10	4594	9.72	4
75 x 2000	40	F4G	10	4595	9.22	4
75 x 2000	60	F4G	25	4596	8.25	4
75 x 2000	80	F4G	25	49399	7.78	4
75 x 2000	120	F4G	25	50652	7.52	4
75 x 2000	180	F4G	25	51222	7.52	4
75 x 2000	240	F4G	25	51470	7.57	4
100 x 920	60	F5	10	48717	5.40	4
100 x 920	80	F5	10	49454	5.11	4
100 x 920	100	F5	10	50136	4.93	4
150 x 2000	36	F4G	10	47492	17.82	4
150 x 2000	40	F4G	10	47921	16.79	4
150 x 2000	60	F4G	10	48821	14.86	4
150 x 2000	80	F4G	10	49581	13.95	4
150 x 2000	120	F4G	10	50767	13.39	4
200 x 550	24	F7G	10	170543	8.31	4
200 x 550	40	F7G	10	97832	7.14	4
200 x 550	60	F7G	10	105992	6.43	4
200 x 550	80	F7G	10	123929	6.11	4
200 x 550	120	F7G	10	123931	5.90	4
200 x 750	24	F7G	10	47101	10.66	4
200 x 750	36	F7G	10	47561	9.57	4
200 x 750	40	F7G	10	48028	9.07	4
200 x 750	60	F7G	10	48970	8.10	4
200 x 750	80	F7G	10	49764	7.63	4
200 x 750	100	F7G	10	50340	7.37	4
200 x 750	120	F7G	10	50872	7.37	4

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

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	Price/pc. £	Discount group
300 x 3500	100	F1	10	79849	<b>40.27</b>	4
300 x 3500	150	F1	10	247873	<b>40.27</b>	4
300 x 3500	180	F1	10	81518	<b>40.27</b>	4
300 x 3500	280	F1	10	79850	<b>40.63</b>	4
300 x 3500	320	F1	10	83657	<b>40.63</b>	4
300 x 3500	400	F1	10	81147	<b>40.63</b>	4

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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	●
------	---

**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

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# 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	●
-------------	---

**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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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 wet or 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

## 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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 centreless and surface grinding applications

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive cloth, multibond

## CS 409 Y



### Properties

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

### Applications

Stainless steel	●
NF metals	○

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# 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	Price/pc. £	Discount group
50 x 450	60	F4G	25	53108	<b>1.92</b>	4
50 x 450	80	F4G	25	53267	<b>1.85</b>	4
50 x 450	120	F4G	25	53538	<b>1.81</b>	4

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	Price/pc. £	Discount group
50 x 2000	36	F4G	10	26419	<b>7.31</b>	4
50 x 2000	40	F4G	10	26593	<b>6.60</b>	4
50 x 2000	60	F4G	25	72251	<b>5.87</b>	4
50 x 2000	80	F4G	25	26943	<b>5.55</b>	4
50 x 2000	120	F4G	25	103997	<b>5.32</b>	4
75 x 2000	24	F4G	10	4618	<b>12.48</b>	4
75 x 2000	36	F4G	10	4619	<b>10.84</b>	4
75 x 2000	40	F4G	10	4620	<b>9.75</b>	4
75 x 2000	60	F4G	10	4622	<b>8.68</b>	4
75 x 2000	80	F4G	10	26969	<b>8.16</b>	4
75 x 2000	120	F4G	10	113664	<b>7.84</b>	4
100 x 2000	36	F4G	10	26463	<b>13.96</b>	4
150 x 2000	36	F4G	10	26488	<b>20.27</b>	4

Continuation →

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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	Price/pc. £	Discount group
150 x 2000	40	F4G	10	26668	<b>18.10</b>	4
150 x 2000	60	F4G	10	72775	<b>15.93</b>	4
150 x 2000	80	F4G	10	27030	<b>14.92</b>	4
150 x 2000	120	F4G	10	101308	<b>14.30</b>	4

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

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
75 x 2000	24	F4G	10	62056	<b>14.78</b>	4
75 x 2000	36	F4G	10	62150	<b>12.80</b>	4
75 x 2000	40	F4G	10	62509	<b>11.52</b>	4
75 x 2000	50	F4G	10	62604	<b>10.85</b>	4
75 x 2000	60	F4G	10	62938	<b>10.24</b>	4
75 x 2000	80	F4G	10	63068	<b>9.63</b>	4
75 x 2000	120	F4G	10	20598	<b>9.25</b>	4
150 x 2000	24	F4G	10	62067	<b>27.93</b>	4
150 x 2000	36	F4G	10	62176	<b>24.00</b>	4
150 x 2000	40	F4G	10	62537	<b>21.44</b>	4
150 x 2000	60	F4G	10	62971	<b>18.86</b>	4
150 x 2000	80	F4G	10	63102	<b>17.66</b>	4
150 x 2000	120	F4G	10	278219	<b>16.90</b>	4

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# 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	○
------	---

**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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

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

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
75 x 2000	36	F4G	10	204858	<b>12.82</b>	4
75 x 2000	40	F4G	10	205377	<b>11.54</b>	4
75 x 2000	60	F4G	10	207651	<b>10.27</b>	4
75 x 2000	80	F4G	10	220805	<b>9.66</b>	4
75 x 2000	120	F4G	10	210753	<b>9.30</b>	4
150 x 2000	36	F4G	10	231336	<b>23.94</b>	4
150 x 2000	40	F4G	10	205474	<b>21.38</b>	4
150 x 2000	60	F4G	10	204213	<b>18.83</b>	4
150 x 2000	80	F4G	10	205130	<b>17.62</b>	4

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# 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 centreless circular and surface grinding - Suitable for dry and wet grinding

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## GX 533 JF



### Properties

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

### Applications

NF metals	●	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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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 - 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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



### 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

Abrasive cloth, multibond

## GX 931 JF



### Properties

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

### Applications

Stainless steel	●
Titanium / - alloy	●

**Advantages:** Special product with flexible and tear resistant backing for the processing of stainless steel and high-alloyed steel - Continuously aggressive grinding properties with high lifetime due to semi-open coated self-sharpening ceramic grain - Good adaptability on radiuses and edges through flexible backing - 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

# 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 and stationary machines - Ideal for removal of discolorations, for light deburring, leveling, matt finishing 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	Price/pc. £	Discount group
30 x 800	medium	maroon	F3W	5	258706	<b>10.25</b>	7
30 x 800	very fine	blue	F3W	5	258707	<b>10.25</b>	7
40 x 618	coarse	brown	F3W	5	258711	<b>12.75</b>	7
40 x 618	medium	maroon	F3W	5	258712	<b>10.52</b>	7
40 x 618	very fine	blue	F3W	5	258713	<b>10.52</b>	7
40 x 820	coarse	brown	F3W	5	258714	<b>16.30</b>	7
40 x 820	medium	maroon	F3W	5	258715	<b>13.40</b>	7
40 x 820	very fine	blue	F3W	5	258716	<b>13.40</b>	7
50 x 450	coarse	brown	F3W	5	258717	<b>11.71</b>	7
50 x 450	medium	maroon	F3W	5	258718	<b>9.72</b>	7
75 x 2000	coarse	brown	F3W	5	258729	<b>69.38</b>	7
75 x 2000	medium	maroon	F3W	5	258730	<b>56.07</b>	7
75 x 2000	very fine	blue	F3W	5	258731	<b>56.07</b>	7

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 handtool file belt machines) 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

Recommended prices. **Other grades and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.**

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	Price/pc. £	Discount group
10 x 20	80	50	11555	0.70	14
10 x 20	150	50	11554	0.70	14
13 x 25	50	50	28188	0.70	14
13 x 25	80	50	11558	0.70	14
13 x 25	150	50	11557	0.70	14
15 x 30	50	50	11568	0.69	14
15 x 30	80	50	11567	0.69	14
15 x 30	150	50	11566	0.69	14
22 x 20	50	50	11571	0.48	14
22 x 20	80	50	11570	0.48	14
22 x 20	150	50	11569	0.48	14
30 x 20	50	50	11574	0.60	14
30 x 20	80	50	11573	0.60	14
30 x 20	150	50	11572	0.60	14
30 x 30	50	50	11577	0.77	14
30 x 30	80	50	11576	0.77	14
30 x 30	150	50	11575	0.77	14
45 x 30	50	50	11580	1.00	14
45 x 30	80	50	11579	1.00	14
45 x 30	150	50	11578	1.00	14
60 x 30	50	25	11583	1.29	14
60 x 30	80	25	11582	1.29	14
60 x 30	150	25	11581	1.29	14
75 x 30	50	25	11586	1.58	14
75 x 30	80	25	11585	1.58	14
75 x 30	150	25	11584	1.58	14

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

# Spirabands

## Coated abrasives

Abrasive cloth

### CS 310 X



#### Properties

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

#### Applications

Metals	●
Plastic	○



**Advantages:** Tear resistant cloth with reinforced backing - Spiral shaped joint, 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	Price/pc. £	Discount group
22 x 29 x 30	50	50	11592	<b>1.42</b>	14
22 x 29 x 30	80	50	11591	<b>1.42</b>	14
22 x 36 x 60	50	50	11595	<b>1.84</b>	14
22 x 36 x 60	80	50	11594	<b>1.84</b>	14
22 x 36 x 60	150	50	11593	<b>1.84</b>	14

Abrasive cloth, multibond

### CS 451 X

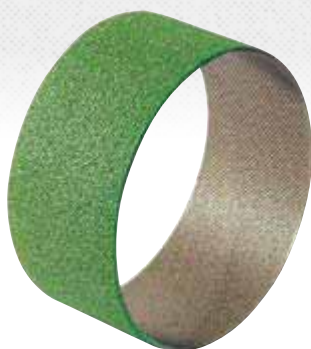


#### Properties

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

#### Applications

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



**Advantages:** Tear resistant cloth with reinforced backing - Spiral shaped joint, cylindrical form - High quality zirconia alumina with multibond especially suited for working on stainless steel - High aggressiveness when used with rubber drum GK 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	Price/pc. £	Discount group
30 x 20	60	50	255475	<b>0.81</b>	14
30 x 20	120	50	255584	<b>0.81</b>	14
45 x 30	60	50	255476	<b>1.33</b>	14
45 x 30	120	50	255625	<b>1.33</b>	14
60 x 30	60	25	255626	<b>1.73</b>	14
60 x 30	120	25	255627	<b>1.71</b>	14

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 43.

## Rubber drums

### GK 310



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

Diameter x Height x Shaft in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
10 x 20 x 6	44,000 rpm	1	14843	<b>19.87</b>	14
13 x 25 x 6	44,000 rpm	1	14845	<b>20.09</b>	14
15 x 30 x 6	36,000 rpm	1	14847	<b>20.32</b>	14
22 x 20 x 6	26,000 rpm	1	14848	<b>20.32</b>	14
30 x 20 x 6	19,100 rpm	1	14849	<b>20.32</b>	14
30 x 30 x 6	19,100 rpm	1	14850	<b>20.75</b>	14
45 x 30 x 6	12,700 rpm	1	14851	<b>22.97</b>	14
60 x 30 x 6	9,500 rpm	1	14852	<b>29.82</b>	14
75 x 30 x 8	7,600 rpm	1	14853	<b>33.34</b>	14

## Rubber drums

### GK 310



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

Diameter x Height x Shaft in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
22/29 x 30 x 6	19,100 rpm	1	14855	<b>18.01</b>	14
22/36 x 60 x 6	15,900 rpm	1	14856	<b>25.20</b>	14

Recommended prices.

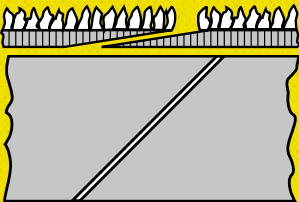
Belt joints for wide belts

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.

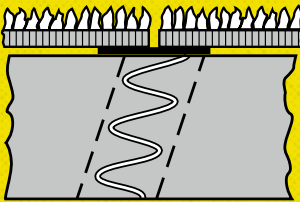
The following illustrations show the usual types of joint. The available types of joint are listed in the product charts on the following product pages.

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.

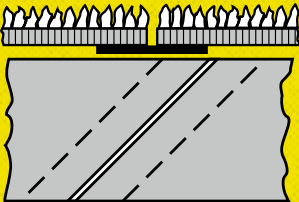
If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.



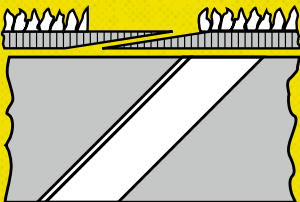
**Form 1**  
Overlapping glued joint. Standard joint for wide belts with paper backing.



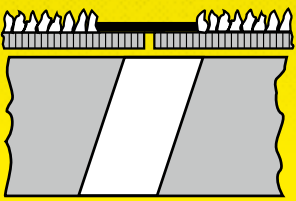
**Form 3G**  
Zig zag joint, with foil backing for finishing surfaces that must be of the highest quality using wide belts with cloth backing.



**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
	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
Bütfering	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
Casadei	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
Costa	Vega 113, Vega 213 C-E, Vega 313	1370	2150
	Libra 1 (TC 95, RR 95, RT 95, RTC 95)	970	2200
	Libra 2 (TC 110, RR 110, RT 110, RTC 110)	1120	2200
	Libra 3 (110 RRT, 110 RRR, 110 RRTC)	1120	2200
	Libra 4/2 (RR 135, RT 135, RTC 135, TCTC 135, TCT 135, TT 135)	1380	2620
CMC	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
Costa	Libra 50 (RR 135, RTC 135, RRR 135, RRTC 135)	1370	2620
	Libra 60 (RR135, RTC 135, RRR 135, RRTC 135)	1370	2620
	LEV 95 RT/RR/R+T	970	1900
	LEV 115 RT/RR/R+T	1180	1900
	A, A1, AK, AF, AKF, AW1	1180/1380	2620
Costa	K, KA, KB, KH, KK, KP, KBA, KBH, KHV, KKA, KKH, KKP, KPH	1350/1650	2620/3250
	Elite CK, C/400, CT, CC, C/CK, CK/T	1150/1350	2620
	S, SA, SP	1150/1350	2620
	S4	1380/1680	4600
	SN	1380/1680	2620/3250
Costa	SH	1380	2620/3250
	SK (Serie 4)	1150	2200
	SK (Serie 5, Serie 6)	1380	2620
	K (Serie 7)	350 – 1650	2620/3250
	K (Serie 8)	1350 – 2200	2620/3250
Costa	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	Giant 1350	1350	4550
	GC65, GC95, GC110	670/970/1120	2150
Heesemann	GI 1000 RR/RRT, GI 1300 RR/RRT	1120/1370	2620
	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
	Omega, Omegatronc	1120/1380	2150
Sanding-master / Timesavers	RSK-O	1120	1900
	CSB-400	430	1600
	CSB-600, CSB-900, SCSB-1100, SCSB-1300	630/930/1130/1330	1900
	CSB-1600, CSB-1950	1630/1980	2620
	CSB 2-600, CSB 2-900, SCSB 2-1100, SCSB 2-1300	630/930/1130/1330	1900
	CSB 2-1050, CSB 2-1300, CSB 2-1600, CSB 2-1950	1080/1330/1630/1980	2620
	CSB 3-600, CSB 3-900, SCSB 3-1100, SCSB 3-1300	630/930/1130/1330	1900
	CSB 3-1050, CSB 3-1300, CSB 3-1600, CSB 3-1950	1080/1330/1630/1980	2620
	KCSB-U	930/1130/1330	1900
	SA 2100 W, SA 2100 C, SA 2100 K	600/900/1100/1350	1900
	SA 2200 WW, SA 2200 WS, SA 2200 WC	600/900/1100/1350	1900
	SA 2200 WK, SA 2200 WG	1100/1350	1900
	SA 2200 KG	1100	1900
	SA 2300 WWW, SA 2300 WWS	600/900/1100	1900
	SA 3100 W, SA 3100 C, SA 3100 K	900/1100/1350	1900

# Wide belts

## Applications guide



### Wide belt machines

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Sanding-master / Timesavers	SA 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 WWWW, SA 3400 WWWW	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 WWWW, SA 4400 WWWW	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 behaviour 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# 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	○		
NF metals	○		
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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

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 on stainless steel surfaces due to the very hard and sharp-edged silicon carbide grit - Long service life on varnish surfaces in the wood and furniture industry due to 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# 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	●
------	---

**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 anti-static 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# Wide belts with paper backing

Coated abrasives



Abrasive paper, ANTISTATIC

## PS 28 F



### Properties

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

### Applications

Wood	●
Leather	●

**Advantages:** Universal type for use on wood, especially softwood - Price optimised 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
1120 x 1900	60	F1	10	321842	<b>31.36</b>	3
1120 x 1900	80	F1	10	321843	<b>28.85</b>	3
1120 x 1900	100	F1	10	321844	<b>27.31</b>	3
1120 x 1900	120	F1	10	321845	<b>27.31</b>	3
1120 x 1900	150	F1	10	321846	<b>27.31</b>	3
1350 x 2620	60	F1	10	320413	<b>45.92</b>	3
1350 x 2620	80	F1	10	320414	<b>41.76</b>	3
1350 x 2620	100	F1	10	320415	<b>39.18</b>	3
1350 x 2620	120	F1	10	320416	<b>39.18</b>	3
1350 x 2620	150	F1	10	320417	<b>39.18</b>	3
1350 x 2620	180	F1	10	321859	<b>39.18</b>	3

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.

# 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	●
------	---

**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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
930 x 1525	80	F1	10	307852	<b>24.66</b>	3
930 x 1525	120	F1	10	307854	<b>23.43</b>	3
1100 x 1900	80	F1	10	307857	<b>32.28</b>	3
1100 x 1900	120	F1	10	307859	<b>30.45</b>	3
1120 x 1900	60	F1	10	292903	<b>35.57</b>	3
1120 x 1900	80	F1	10	292904	<b>32.63</b>	3
1120 x 1900	100	F1	10	292935	<b>30.79</b>	3
1120 x 1900	120	F1	10	292936	<b>30.79</b>	3
1120 x 1900	150	F1	10	292937	<b>30.79</b>	3
1120 x 2150	80	F1	10	307863	<b>35.19</b>	3
1120 x 2150	120	F1	10	307865	<b>33.06</b>	3
1350 x 2620	60	F1	10	292938	<b>52.55</b>	3
1350 x 2620	80	F1	10	292939	<b>47.64</b>	3
1350 x 2620	100	F1	10	292940	<b>44.55</b>	3
1350 x 2620	120	F1	10	292941	<b>44.55</b>	3
1350 x 2620	150	F1	10	292942	<b>44.55</b>	3
1350 x 2620	180	F1	10	307867	<b>44.55</b>	3

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# 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	●
----------------------	---

**Advantages:** High removal rate and fine surface scratch pattern- Developed for fine sanding of wood based materials with wide belts and segmented belts - Outstanding grit adhesion, very long service life due to perfect antistatic properties and ACT recipe

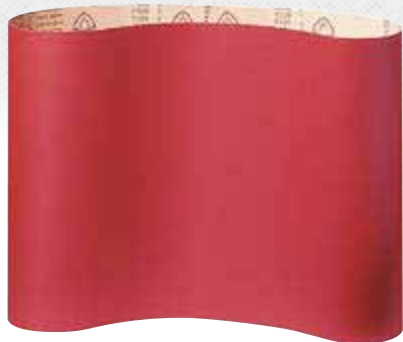
Available grits:

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Wide belts

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# Wide belts with paper backing

Coated abrasives

Abrasive paper

## PS 729 F



NEW



### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Backing	F-paper

### Applications

Stainless steel	●
Steel	●

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

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# 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	●
NF metals	●
Stainless steel	●
Steel	●

Plastic	○
---------	---

**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	●
Steel	●
Stainless steel	●
Wood	○

Plastic	○
---------	---

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# 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:** 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

Available grits:

16 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# Wide belts with cloth backing

Coated abrasives



Abrasive cloth, waterproof

## CS 321 X



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	X-cotton

### Applications

Mineral based materials	●
Plastic	●
Stainless steel	●

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Abrasive cloth, KULEX

## CS 326 Y



### Properties

Bonding agent	Resin
Grain	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 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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# 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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## CS 330 X



### Properties

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

### Applications

Steel	●
Stainless steel	●

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

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# 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 static reduction - No dust accumulation due to perfect antistatic properties

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

## CS 341 X



### Properties

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

### Applications

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

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.

# 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	●
-----------------	---

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

## CS 411 Y



### Properties

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

### Applications

Steel	●
Stainless steel	●
Metals	●

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

# 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	●
Metals	●
Steel	●
NF metals	●

Wood	○
------	---

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Abrasive cloth ANTISTATIC

## CS 538 Z ACT



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	Z-polyester

### Applications

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

**Advantages:** High removal rate, especially suitable for calibration and fine sanding of wood based materials with segmented wide belts (width  $\geq 1620$  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

Wide belts

Recommended prices. **Other grits and sizes available on request.**


**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**


# Wide belts with cloth backing

Coated abrasives

Abrasive cloth

## CS 912 Y ACT





Properties		Applications
Bonding agent	Resin	Stainless steel ●
Grain	Ceramic Al. oxide	Steel ●
Coating	Close	
Backing	Y-polyester	

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**  
**Please observe: Minimum order quantities for made to order items see page 39. Please see Applications Guide on page 37 - 39, 74 - 77.**

## Notes



## Wide belts



# 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.

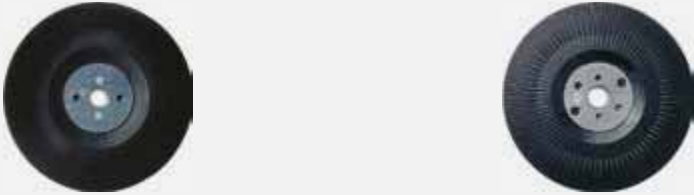
## Quality and performance

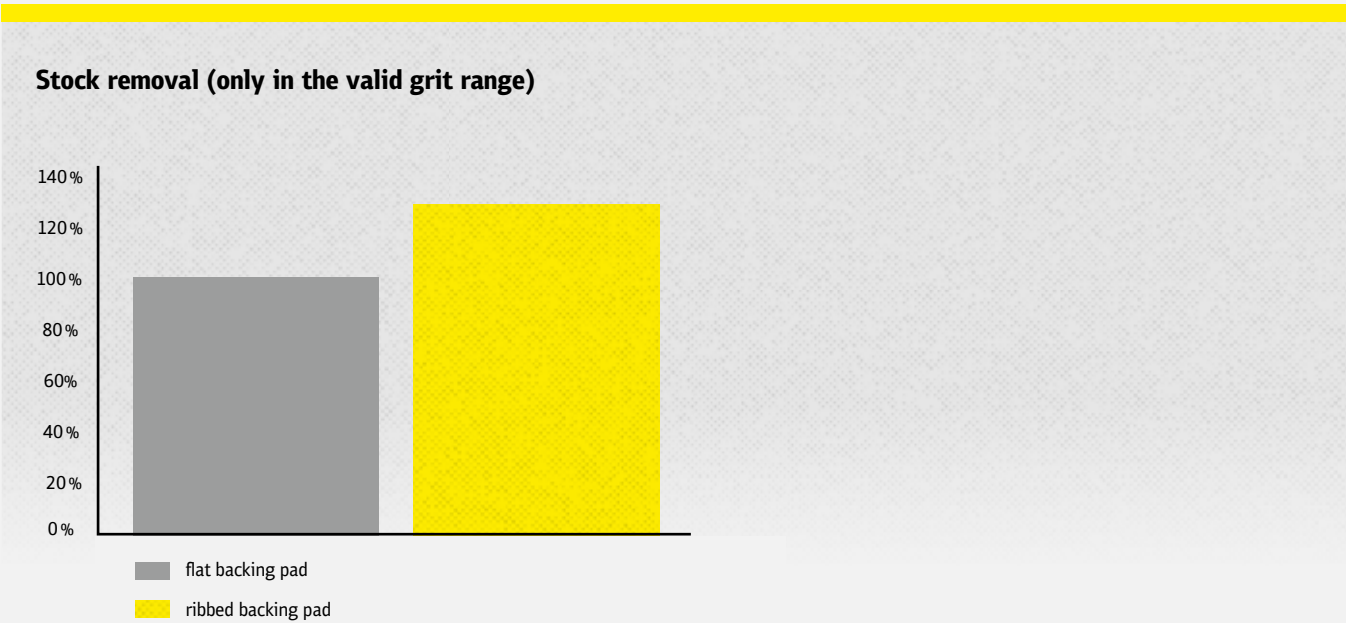
- Low clogging rate
- Market leading service life
- Even grinding finish
- Cool grinding

Applications Fibre Discs						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel, NF metals	<b>CS 561</b>	Aluminium oxide	Fibre	●	Abrasive fibre disc for working on steel and NF metals	<b>98-100</b>
	<b>FS 764 ACT</b>	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	<b>101</b>
Steel, stainless steel	<b>CS 565</b>	Zirconia alumina	Fibre	●	Abrasive fibre disc with high stock removal rate for rough grinding and deburring of steel and stainless steel	<b>102-103</b>
	<b>FS 964 ACT</b>	Ceramic aluminium oxide	Fibre	●	Premium fibre disc with microcrystalline, self-sharpening ceramic grit delivering superior aggressiveness and removal on construction steel and high-alloy steels. Outstanding grit adhesion and service life thanks to Advanced Coating Technology.	<b>105</b>
Stainless steel	<b>CS 570</b>	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	<b>104-105</b>
	<b>FS 966 ACT</b>	Ceramic aluminium oxide	Fibre	●	High-performance fibre disc with very high stock removal rate and extremely long service life, with self-sharpening ceramic grain for the processing of high-alloy steel, multibond for cool grinding. Improved grit adhesion due to Advanced Coating Technology	<b>105-106</b>

● = 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



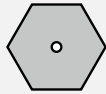
## Hole pattern for fibre discs



10 = round hole



30 = star shaped hole



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

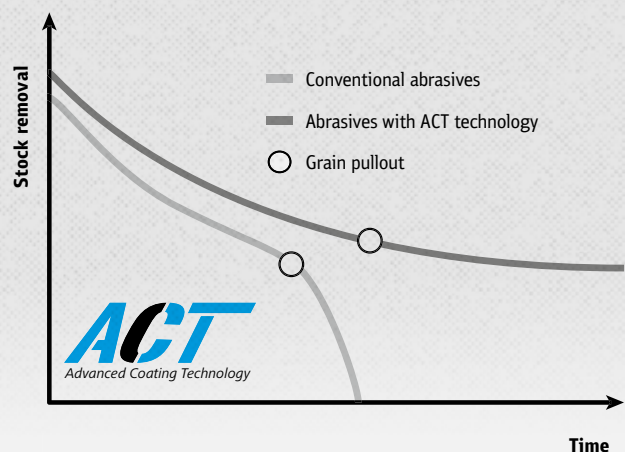


## Minimum order quantities for made to order items

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

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
100 x 16	16	⊙ 10	25	65708	<b>69.66</b>	8
100 x 16	24	⊙ 10	25	65713	<b>56.78</b>	8
100 x 16	36	⊙ 10	25	65718	<b>52.81</b>	8
100 x 16	40	⊙ 10	25	65720	<b>46.98</b>	8
100 x 16	50	⊙ 10	25	65725	<b>44.47</b>	8
100 x 16	60	⊙ 10	25	65730	<b>40.58</b>	8
100 x 16	80	⊙ 10	25	65735	<b>39.45</b>	8
100 x 16	100	⊙ 10	25	65739	<b>39.45</b>	8
100 x 16	120	⊙ 10	25	65743	<b>39.45</b>	8
115 x 22	16	⊙ 10	25	66302	<b>81.81</b>	8
115 x 22	24	⊙ 10	25	72298	<b>66.74</b>	8
115 x 22	36	⊙ 10	25	66308	<b>61.97</b>	8
115 x 22	40	⊙ 10	25	72192	<b>55.16</b>	8
115 x 22	50	⊙ 10	25	66313	<b>52.33</b>	8
115 x 22	60	⊙ 10	25	66318	<b>47.79</b>	8
115 x 22	80	⊙ 10	25	25472	<b>46.33</b>	8
115 x 22	100	⊙ 10	25	66322	<b>46.33</b>	8
115 x 22	120	⊙ 10	25	66327	<b>46.33</b>	8
115 x 22	16	⊗ 30	25	10977	<b>81.81</b>	8
115 x 22	24	⊗ 30	25	10978	<b>66.74</b>	8
115 x 22	30	⊗ 30	25	10979	<b>63.50</b>	8
115 x 22	36	⊗ 30	25	10980	<b>61.97</b>	8
115 x 22	40	⊗ 30	25	10981	<b>55.16</b>	8
115 x 22	50	⊗ 30	25	10982	<b>52.33</b>	8
115 x 22	60	⊗ 30	25	10983	<b>47.79</b>	8
115 x 22	80	⊗ 30	25	10984	<b>46.33</b>	8
115 x 22	100	⊗ 30	25	10985	<b>46.33</b>	8
115 x 22	120	⊗ 30	25	10986	<b>46.33</b>	8
115 x 22	150	⊗ 30	25	10987	<b>46.33</b>	8
115 x 22	180	⊗ 30	25	10988	<b>46.33</b>	8
115 x 22	220	⊗ 30	25	10989	<b>46.33</b>	8
115 x 22	240	⊗ 30	25	10990	<b>46.33</b>	8
115 x 22	320	⊗ 30	25	10992	<b>46.33</b>	8
125 x 22	16	⊙ 10	25	66354	<b>95.58</b>	8

Continuation →

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.**

# Fibre discs

## Coated abrasives



→ Continuation of CS 561, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
125 x 22	24	⊙ 10	25	66358	<b>78.00</b>	8
125 x 22	36	⊙ 10	25	66364	<b>72.66</b>	8
125 x 22	40	⊙ 10	25	66366	<b>64.48</b>	8
125 x 22	50	⊙ 10	25	66371	<b>61.16</b>	8
125 x 22	60	⊙ 10	25	66376	<b>55.81</b>	8
125 x 22	80	⊙ 10	25	70439	<b>54.11</b>	8
125 x 22	100	⊙ 10	25	66379	<b>54.11</b>	8
125 x 22	120	⊙ 10	25	66383	<b>54.11</b>	8
125 x 22	16	⊗ 30	25	11009	<b>95.58</b>	8
125 x 22	24	⊗ 30	25	11010	<b>78.00</b>	8
125 x 22	30	⊗ 30	25	11011	<b>74.28</b>	8
125 x 22	36	⊗ 30	25	11012	<b>72.66</b>	8
125 x 22	40	⊗ 30	25	11013	<b>64.48</b>	8
125 x 22	50	⊗ 30	25	11014	<b>61.16</b>	8
125 x 22	60	⊗ 30	25	11015	<b>55.81</b>	8
125 x 22	80	⊗ 30	25	11016	<b>54.11</b>	8
125 x 22	100	⊗ 30	25	11017	<b>54.11</b>	8
125 x 22	120	⊗ 30	25	11018	<b>54.11</b>	8
125 x 22	150	⊗ 30	25	11019	<b>54.11</b>	8
125 x 22	180	⊗ 30	25	11020	<b>54.11</b>	8
125 x 22	220	⊗ 30	25	11021	<b>54.11</b>	8
125 x 22	240	⊗ 30	25	11022	<b>54.11</b>	8
125 x 22	320	⊗ 30	25	11024	<b>54.11</b>	8
150 x 22	24	⊗ 30	25	11042	<b>106.11</b>	8
150 x 22	36	⊗ 30	25	11044	<b>98.82</b>	8
150 x 22	40	⊗ 30	25	11045	<b>88.29</b>	8
150 x 22	60	⊗ 30	25	11047	<b>76.06</b>	8
150 x 22	80	⊗ 30	25	11048	<b>73.95</b>	8
150 x 22	120	⊗ 30	25	11050	<b>73.95</b>	8
180 x 22	16	⊙ 10	25	66443	<b>174.96</b>	8
180 x 22	24	⊙ 10	25	66451	<b>141.75</b>	8
180 x 22	36	⊙ 10	25	66459	<b>132.03</b>	8
180 x 22	40	⊙ 10	25	70447	<b>117.45</b>	8
180 x 22	50	⊙ 10	25	70448	<b>111.78</b>	8
180 x 22	60	⊙ 10	25	70449	<b>101.25</b>	8
180 x 22	80	⊙ 10	25	66465	<b>98.82</b>	8
180 x 22	100	⊙ 10	25	66469	<b>98.82</b>	8
180 x 22	120	⊙ 10	25	66472	<b>98.82</b>	8
180 x 22	16	⊗ 30	25	11057	<b>174.96</b>	8
180 x 22	24	⊗ 30	25	11058	<b>141.75</b>	8
180 x 22	36	⊗ 30	25	11060	<b>132.03</b>	8
180 x 22	40	⊗ 30	25	11061	<b>117.45</b>	8
180 x 22	50	⊗ 30	25	11062	<b>111.78</b>	8
180 x 22	60	⊗ 30	25	11063	<b>101.25</b>	8
180 x 22	80	⊗ 30	25	11064	<b>98.82</b>	8
180 x 22	100	⊗ 30	25	11065	<b>98.82</b>	8
180 x 22	120	⊗ 30	25	11066	<b>98.82</b>	8
180 x 22	150	⊗ 30	25	11067	<b>98.82</b>	8
180 x 22	180	⊗ 30	25	11068	<b>98.82</b>	8
180 x 22	220	⊗ 30	25	11069	<b>98.82</b>	8
180 x 22	240	⊗ 30	25	11070	<b>98.82</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

Continuation →

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.**

# Fibre discs

## Coated abrasives

→ Continuation of CS 561, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
180 x 22	320	⊗ 30	25	11072	<b>98.82</b>	8
235 x 22	24	⊙ 10	25	66497	<b>255.15</b>	8
235 x 22	36	⊙ 10	25	66502	<b>237.33</b>	8
235 x 22	40	⊙ 10	25	66504	<b>210.60</b>	8
235 x 22	60	⊙ 10	25	66511	<b>183.06</b>	8
235 x 22	80	⊙ 10	25	66514	<b>176.58</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

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	Price/100 pcs. £	Discount group
115 x 22	24	⊗ 30	50	311520	<b>66.74</b>	8
115 x 22	36	⊗ 30	50	311521	<b>61.97</b>	8
115 x 22	40	⊗ 30	50	311518	<b>55.16</b>	8
115 x 22	60	⊗ 30	50	311524	<b>47.79</b>	8
125 x 22	36	⊗ 30	50	311523	<b>72.66</b>	8
125 x 22	40	⊗ 30	50	311549	<b>64.48</b>	8
125 x 22	60	⊗ 30	50	311547	<b>55.81</b>	8
125 x 22	80	⊗ 30	50	311548	<b>54.11</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.

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	Price/100 pcs. £	Discount group
115 x 22	24	⊗ 30	25	316469	<b>72.98</b>	8
115 x 22	36	⊗ 30	25	316470	<b>67.88</b>	8
115 x 22	40	⊗ 30	25	316471	<b>60.18</b>	8
115 x 22	50	⊗ 30	25	316472	<b>57.11</b>	8
115 x 22	60	⊗ 30	25	316473	<b>52.25</b>	8
115 x 22	80	⊗ 30	25	316474	<b>50.71</b>	8
115 x 22	120	⊗ 30	25	316475	<b>50.71</b>	8
125 x 22	24	⊗ 30	25	316476	<b>85.05</b>	8
125 x 22	36	⊗ 30	25	316477	<b>79.38</b>	8
125 x 22	40	⊗ 30	25	316478	<b>70.39</b>	8
125 x 22	50	⊗ 30	25	316479	<b>66.99</b>	8
125 x 22	60	⊗ 30	25	316480	<b>61.07</b>	8
125 x 22	80	⊗ 30	25	316481	<b>59.21</b>	8
125 x 22	120	⊗ 30	25	316482	<b>59.21</b>	8
180 x 22	24	⊗ 30	25	316483	<b>154.71</b>	8
180 x 22	36	⊗ 30	25	316484	<b>144.18</b>	8
180 x 22	40	⊗ 30	25	316485	<b>127.98</b>	8
180 x 22	50	⊗ 30	25	316486	<b>121.50</b>	8
180 x 22	60	⊗ 30	25	316487	<b>110.97</b>	8
180 x 22	80	⊗ 30	25	316488	<b>107.73</b>	8
180 x 22	120	⊗ 30	25	316489	<b>107.73</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.**

# 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
100 x 16	36	⊙ 10	25	23680	<b>72.98</b>	8
100 x 16	60	⊙ 10	25	84604	<b>57.92</b>	8
100 x 16	80	⊙ 10	25	188678	<b>56.21</b>	8
115 x 22	24	⊙ 10	25	93409	<b>92.34</b>	8
115 x 22	36	⊙ 10	25	65698	<b>85.86</b>	8
115 x 22	40	⊙ 10	25	242800	<b>78.57</b>	8
115 x 22	50	⊙ 10	25	85517	<b>74.52</b>	8
115 x 22	60	⊙ 10	25	65700	<b>68.04</b>	8
115 x 22	80	⊙ 10	25	65701	<b>65.93</b>	8
115 x 22	24	⊗ 30	25	95335	<b>92.34</b>	8
115 x 22	36	⊗ 30	25	6686	<b>85.86</b>	8
115 x 22	40	⊗ 30	25	242801	<b>78.57</b>	8
115 x 22	50	⊗ 30	25	92066	<b>74.52</b>	8
115 x 22	60	⊗ 30	25	6687	<b>68.04</b>	8
115 x 22	80	⊗ 30	25	6688	<b>65.93</b>	8
115 x 22	100	⊗ 30	25	204609	<b>65.93</b>	8
125 x 22	24	⊙ 10	25	95071	<b>108.54</b>	8
125 x 22	36	⊙ 10	25	65681	<b>100.44</b>	8
125 x 22	40	⊙ 10	25	242802	<b>91.53</b>	8
125 x 22	60	⊙ 10	25	65707	<b>79.46</b>	8
125 x 22	80	⊙ 10	25	23001	<b>77.19</b>	8
125 x 22	24	⊗ 30	25	97643	<b>108.54</b>	8
125 x 22	36	⊗ 30	25	6620	<b>100.44</b>	8
125 x 22	40	⊗ 30	25	242803	<b>91.53</b>	8
125 x 22	50	⊗ 30	25	93054	<b>87.48</b>	8
125 x 22	60	⊗ 30	25	6721	<b>79.46</b>	8
125 x 22	80	⊗ 30	25	23005	<b>77.19</b>	8
125 x 22	100	⊗ 30	25	204611	<b>77.19</b>	8
180 x 22	36	⊙ 10	25	65702	<b>183.06</b>	8
180 x 22	60	⊙ 10	25	65705	<b>144.18</b>	8
180 x 22	80	⊙ 10	25	65706	<b>140.13</b>	8
180 x 22	24	⊗ 30	25	95993	<b>196.83</b>	8
180 x 22	36	⊗ 30	25	65703	<b>183.06</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

Continuation →

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.**

→ Continuation of CS 565, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
180 x 22	40	⊗ 30	25	242807	<b>166.86</b>	8
180 x 22	50	⊗ 30	25	93045	<b>158.76</b>	8
180 x 22	60	⊗ 30	25	6690	<b>144.18</b>	8
180 x 22	80	⊗ 30	25	6691	<b>140.13</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

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

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
115 x 22	36	⊗ 30	50	311522	<b>85.86</b>	8
115 x 22	40	⊗ 30	50	311516	<b>78.57</b>	8
115 x 22	60	⊗ 30	50	311546	<b>68.04</b>	8
115 x 22	80	⊗ 30	50	311545	<b>65.93</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

Dispenser for fibre discs

## FS 555



**Advantages:** Easy stacking and removal of up to 100 fibre discs with diameter of 115 to 180 mm - Orderly and accessible storage at the workplace - Fibre discs not included

Size in mm	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
170 x 140 x 196	1	316463	<b>8.58</b>	14

Recommended prices. Other grits and sizes available on request.

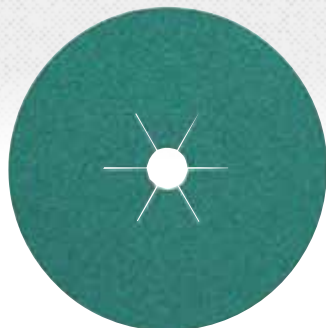
Please observe: Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.

# Fibre discs

## Coated abrasives

Abrasive fibre disc, multibond

### CS 570



#### Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

#### Applications

Stainless steel	●
Aluminium	●
NF metals	○

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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
100 x 16	36	⊙ 10	25	204823	77.60	8
100 x 16	60	⊙ 10	25	204825	59.70	8
100 x 16	80	⊙ 10	25	204826	57.83	8
100 x 16	120	⊙ 10	25	204828	57.83	8
115 x 22	36	⊙ 10	25	204797	91.53	8
115 x 22	60	⊙ 10	25	204799	70.07	8
115 x 22	80	⊙ 10	25	204800	68.04	8
115 x 22	120	⊙ 10	25	204802	68.04	8
115 x 22	24	⊗ 30	25	204085	97.20	8
115 x 22	36	⊗ 30	25	204086	91.53	8
115 x 22	40	⊗ 30	25	250258	80.92	8
115 x 22	50	⊗ 30	25	204087	76.79	8
115 x 22	60	⊗ 30	25	204088	70.07	8
115 x 22	80	⊗ 30	25	204089	68.04	8
115 x 22	100	⊗ 30	25	204090	68.04	8
115 x 22	120	⊗ 30	25	204091	68.04	8
125 x 22	36	⊙ 10	25	204806	106.92	8
125 x 22	60	⊙ 10	25	204811	81.81	8
125 x 22	80	⊙ 10	25	204812	79.62	8
125 x 22	120	⊙ 10	25	204814	79.62	8
125 x 22	24	⊗ 30	25	204092	114.21	8
125 x 22	36	⊗ 30	25	204093	106.92	8
125 x 22	40	⊗ 30	25	250259	94.77	8
125 x 22	50	⊗ 30	25	204094	89.91	8
125 x 22	60	⊗ 30	25	204095	81.81	8
125 x 22	80	⊗ 30	25	204096	79.62	8
125 x 22	100	⊗ 30	25	204097	79.62	8
125 x 22	120	⊗ 30	25	204098	79.62	8
180 x 22	24	⊗ 30	25	204099	206.55	8
180 x 22	36	⊗ 30	25	204100	194.40	8
180 x 22	40	⊗ 30	25	250260	172.53	8
180 x 22	50	⊗ 30	25	204101	163.62	8

Dispenser see page 103 / Backing pads see page 106 - 107

Continuation →

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.**

→ Continuation of CS 570, Abrasive fibre disc, multibond

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
180 x 22	60	⊗ 30	25	204102	<b>149.04</b>	8
180 x 22	80	⊗ 30	25	204103	<b>144.99</b>	8
180 x 22	100	⊗ 30	25	204104	<b>144.99</b>	8
180 x 22	120	⊗ 30	25	204105	<b>144.99</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

Abrasive fibre disc

## FS 964 ACT



**NEW**



### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close

### Applications

Steel	●
-------	---

**Advantages:** Premium product with excellent performance for working on steel - Micro-crystalline self-sharpening effect - High aggressiveness throughout the service life - Outstanding grit adhesion

Available grits:

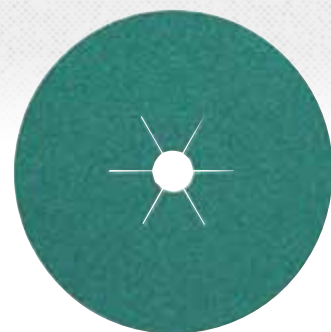
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Dispenser see page 103 / Backing pads see page 106 - 107

Abrasive fibre disc, multibond

## FS 966 ACT



### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close

### Applications

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
115 x 22	36	⊗ 30	25	316490	<b>139.32</b>	8
115 x 22	40	⊗ 30	25	316491	<b>125.55</b>	8
115 x 22	50	⊗ 30	25	318504	<b>116.64</b>	8
115 x 22	60	⊗ 30	25	316492	<b>108.54</b>	8
115 x 22	80	⊗ 30	25	316493	<b>100.44</b>	8

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.

# Fibre discs / Backing pads

## Coated abrasives

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

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
115 x 22	120	⊗ 30	25	324237	<b>100.44</b>	8
125 x 22	36	⊗ 30	25	316494	<b>162.81</b>	8
125 x 22	40	⊗ 30	25	316495	<b>147.42</b>	8
125 x 22	50	⊗ 30	25	318655	<b>136.89</b>	8
125 x 22	60	⊗ 30	25	316496	<b>127.17</b>	8
125 x 22	80	⊗ 30	25	316497	<b>118.26</b>	8
125 x 22	120	⊗ 30	25	324239	<b>118.26</b>	8
180 x 22	36	⊗ 30	25	316498	<b>294.84</b>	8
180 x 22	40	⊗ 30	25	316499	<b>268.11</b>	8
180 x 22	50	⊗ 30	25	316500	<b>248.67</b>	8
180 x 22	60	⊗ 30	25	316501	<b>231.66</b>	8
180 x 22	80	⊗ 30	25	316502	<b>213.84</b>	8
180 x 22	120	⊗ 30	25	324238	<b>213.84</b>	8

Dispenser see page 103 / Backing pads see page 106 - 107

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	Price/pc. £	Discount group
100 x 16	M 10	80 m/s	15,000 rpm	1	305190	<b>8.56</b>	14
100 x 22	M 14	80 m/s	15,000 rpm	1	2774	<b>8.56</b>	14
115 x 22	M 10	80 m/s	13,300 rpm	1	14859	<b>8.95</b>	14
115 x 22	M 14	80 m/s	13,300 rpm	1	14838	<b>8.95</b>	14
125 x 22	M 14	80 m/s	12,200 rpm	1	14835	<b>11.78</b>	14
150 x 22	M 14	80 m/s	10,200 rpm	1	14836	<b>13.23</b>	14
180 x 22	M 14	80 m/s	8,500 rpm	1	14840	<b>18.53</b>	14
235 x 22	M 14	80 m/s	6,600 rpm	1	14841	<b>30.12</b>	14

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 97. Please see Applications Guide on page 95 - 97.

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	Price/pc. £	Discount group
115	M 14	80 m/s	13,300 rpm	1	126346	<b>14.59</b>	14
125	M 14	80 m/s	12,200 rpm	1	126347	<b>17.40</b>	14
178	M 14	80 m/s	8,500 rpm	1	126348	<b>26.27</b>	14

Recommended prices.



# 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	<b>PS 61 FK</b>	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	<b>141</b>
	<b>PS 22 F ACT</b>	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	<b>117, 134</b>
Wood	<b>PS 30 D</b>	Aluminium oxide	D-paper	○	Economical abrasive paper for versatile applications in the processing of wood and paint	<b>117</b>
	<b>PS 19 EK</b>	SiC	E-paper	●	Robust high performance product with stable E-paper backing for coarse, intermediate and finish sanding. Ideal for hard and difficult-to-machine materials due to the use of sharp-edged silicon carbide	<b>124, 135</b>
	<b>PL 31 B</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	<b>118</b>
	<b>PS 33 B/C</b>	Aluminium oxide	B/C-paper	○	High quality abrasive paper, especially suited for paint, varnish and filler	<b>119, 125, 139</b>
Paint, varnish, filler	<b>PS 73 BW</b>	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	<b>120, 143</b>
	<b>PS 19 EK</b>	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.	<b>124, 135</b>
	<b>FP 73 WK</b>	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	<b>127, 142</b>
	<b>PS 11 A/C</b>	SiC	A/C-paper	●	High quality, highly flexible, waterproof abrasive paper for working on paint, varnish and filler especially in the car repair sector	<b>115, 116, 134</b>
	<b>PS 8 A/C</b>	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	<b>114, 115</b>

Applications strips / sheets / discs with cloth backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel, metals	<b>KL 361 JF</b>	Aluminium oxide	JF-cotton	●	High quality, highly flexible abrasive cloth for versatile applications in the metal processing industry, also suitable for stainless steel	<b>121</b>
	<b>KL 371 X</b>	Aluminium oxide	X-cotton	●	Economical universal product for surface grinding in metal processing	<b>122</b>
	<b>KL 385 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible universal product for the metal processing industry, good price-performance ratio	<b>123</b>

Applications non-woven web hand pads and discs, abrasive blocks and abrasive sponges						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Stainless steel	<b>NPA 400</b>	Aluminium oxide / SiC	Non-woven web with polyester lining		Grinding fleece, excellently suited to deburring, cleaning and surface finishing	<b>129</b>
	<b>NDS 800</b>	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	<b>148</b>
	<b>SV 484</b>	Aluminium oxide	Non-woven web with polyester lining		Standard non-woven web disc, superb value for money for finishing surfaces, slightly contoured surfaces	<b>147</b>
Paint, varnish, filler	<b>SK 500</b>	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	<b>130</b>
	<b>SW 501</b>	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	<b>130</b>
	<b>SW 502</b>	SiC	Sponge	●	Structure like SW 501, though with more aggressive SiC grit	<b>131</b>

● = close   ○ = semi-open   ○ = open

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

# 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

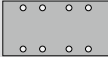

### Hole patterns for strips

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 alongside shows the most popular types of machines and the required hole pattern.

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

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

**Other hole patterns available on request!**

	<b>GL 1</b>	115 × 280 mm 10 holes ø 10 mm
	<b>GL 3</b>	93 × 230 mm 8 holes ø 10 mm
	<b>GL 9</b>	93 × 230 mm 8 holes ø 10 mm
	<b>GL 11</b>	115 × 280 mm 14 holes ø 10 mm
	<b>GL 13</b>	115 × 280 mm 8 holes ø 10 mm
	<b>GL 15</b>	115 × 230 mm 10 holes ø 10 mm
	<b>GL 17</b>	93 × 180 mm 8 holes ø 10 mm
	<b>GL 18</b>	80 × 133 mm 8 holes ø 10 mm

## Minimum order quantities for made to order items

Product	Dimensions in mm	Minimum order quantity
Strips	70 x 125	1.000
	80 x 133	1.000
	80 x 165	1.000
	93 x 178	1.000
	93 x 180	1.000
	93 x 190	1.000
	93 x 230	500
	100 x 115	1.000
	115 x 115	1.000
	115 x 140	1.000
	115 x 230	500
	115 x 280	500
Sheets	230 x 280	250

Other sizes available on request!

## 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 x 133	GL 18	self-fastening
	VS/E 230, VSS/E 260	93 x 180	GL 17	self-fastening
	VSSE 260, VSS 260	93 x 230	GL 9	for clamping
	FDS 140	115 x 140	GL 38	for clamping
	FDS 140	115 x 140	GL 39	self-fastening
	VSS 20, VSSE 230, VS 280, VSE 280, VSSE 280	115 x 230	GL 16	self-fastening
	VSS 20, VSSE 20, VS 280, VSSE 280	115 x 280	blank	for clamping
	VSS/E 20, VS/E 280, VSSE 280	115 x 280	GL 11	for clamping
Atlas Copco	VS 11	80 x 133	GL 18	self-fastening
	VSS 20, VSSE 20	115 x 230	GL 16	self-fastening
	VSS 20, VSSE 20	115 x 280	GL 11	self-fastening
	LS030 H070-3, LS030 S070-3	93 x 180	blank	for clamping
	LS031 H070-3, LS031 S070-3, LS032 H070-3, LS032 S070-3	93 x 180	GL 3	for clamping
Black & Decker	P 63-01	80 x 133	GL 18	self-fastening
	KA 330 EKA	90 x 190	GL 4	self-fastening
	KA 175, KA 186, KA 186 E	93 x 180	GL 17	self-fastening
	KA 320 EKA	93 x 190	GL 4	self-fastening
	KA 320 EKA, KA 300	93 x 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 x 230	GL 9	for clamping
	KC 962, VB 135 A, CD 400, BN 41 AE	93 x 230	GL 9	for clamping
	KA 185, KA 185 E	93 x 230	blank	for clamping
	KA 273	115 x 230	GL 16	self-fastening
	P 63-03, P 63-04, P 63-05, BD 273, SR 410	115 x 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 x 280	GL 11	for clamping
	VB 135A, DN 180E, KA 185E, KC 962, DN 49, DN 273, VB 250 E, KA274EKA	115 x 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	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
	SR 328, SRE 329, SR 4321, SR 358, SRE 359, SRE 4351 TURBOTEC	115 × 280	GL 11	for clamping
Milwaukee	POS 13	80 × 133	GL 18	self-fastening
Peugeot	PV 240 A, TV 4102	93 × 180	GL 17	self-fastening
	TV 4003, TV 4103	115 × 230	GL 16	self-fastening
Ryobi	ESS 2590	93 × 180	GL 17	self-fastening
	ESS 200 RS	93 × 185	GL 10	self-fastening
	ESS 1890 C	93 × 190	GL 10	self-fastening
	S 35, NS 40, NS 40 I, NS-801	93 × 230	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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
230 x 280	180	50	269269	<b>49.90</b>	5
230 x 280	220	50	269275	<b>49.90</b>	5
230 x 280	240	50	269279	<b>49.90</b>	5
230 x 280	280	50	269285	<b>49.90</b>	5
230 x 280	320	50	269289	<b>49.90</b>	5
230 x 280	360	50	269294	<b>49.90</b>	5
230 x 280	400	50	269299	<b>49.90</b>	5
230 x 280	600	50	269314	<b>49.90</b>	5
230 x 280	800	50	269323	<b>52.97</b>	5
230 x 280	1000	50	269328	<b>52.97</b>	5

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
230 x 280	60	50	269424	<b>83.43</b>	5
230 x 280	80	50	269429	<b>72.50</b>	5
230 x 280	100	50	269435	<b>64.07</b>	5
230 x 280	120	50	269444	<b>56.05</b>	5
230 x 280	150	50	269448	<b>52.97</b>	5

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
230 x 280	220	50	2002	<b>58.40</b>	5
230 x 280	240	50	2003	<b>58.40</b>	5
230 x 280	280	50	2004	<b>58.40</b>	5
230 x 280	320	50	2005	<b>58.40</b>	5
230 x 280	360	50	2006	<b>58.40</b>	5
230 x 280	400	50	2007	<b>58.40</b>	5
230 x 280	500	50	2008	<b>58.40</b>	5
230 x 280	600	50	2009	<b>58.40</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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	Price/100 pcs. £	Discount group
230 x 280	800	50	2010	<b>62.13</b>	5
230 x 280	1000	50	11892	<b>62.13</b>	5
230 x 280	1200	50	6616	<b>62.13</b>	5
230 x 280	1500	50	186794	<b>62.13</b>	5
230 x 280	2000	50	186795	<b>62.13</b>	5

Abrasive paper, waterproof

### PS 11 C



#### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

#### Applications

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
230 x 280	60	50	2022	<b>98.01</b>	5
230 x 280	80	50	2023	<b>85.05</b>	5
230 x 280	100	50	2117	<b>75.33</b>	5
230 x 280	120	50	2116	<b>65.85</b>	5
230 x 280	150	50	2011	<b>62.13</b>	5
230 x 280	180	50	2012	<b>58.40</b>	5
230 x 280	220	50	2013	<b>58.40</b>	5
230 x 280	240	50	2014	<b>58.40</b>	5
230 x 280	280	50	2015	<b>58.40</b>	5
230 x 280	320	50	2016	<b>58.40</b>	5
230 x 280	360	50	2017	<b>58.40</b>	5
230 x 280	400	50	2018	<b>58.40</b>	5

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
115 x 280	40	100	6529	<b>77.19</b>	5
115 x 280	60	100	6531	<b>61.24</b>	5
115 x 280	80	100	6532	<b>53.78</b>	5
115 x 280	100	100	6533	<b>49.17</b>	5
115 x 280	120	100	6534	<b>49.17</b>	5

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
115 x 280	60	100	194673	<b>31.51</b>	5
115 x 280	80	100	194674	<b>28.35</b>	5
115 x 280	100	100	194675	<b>26.24</b>	5
115 x 280	120	100	194676	<b>26.24</b>	5
115 x 280	180	100	194679	<b>26.24</b>	5
115 x 280	240	100	194680	<b>26.49</b>	5
230 x 280	40	50	194660	<b>74.44</b>	5
230 x 280	60	50	194662	<b>59.54</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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	Price/100 pcs. £	Discount group
230 x 280	80	50	194663	<b>52.57</b>	5
230 x 280	100	50	194664	<b>48.20</b>	5
230 x 280	120	50	194665	<b>48.20</b>	5
230 x 280	150	50	194666	<b>48.20</b>	5
230 x 280	180	50	194667	<b>48.20</b>	5
230 x 280	240	50	194668	<b>48.60</b>	5
230 x 280	320	50	194669	<b>48.60</b>	5

Finishing paper

### PL 31 B



#### Properties

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

#### Applications

Paint/Varnish/Filler	●
Wood	●
Metals	○

**Advantages:** Product with optimal price-performance ratio - Optimised wear properties for hand grinding and handheld 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	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
93 x 230	40		100	2416	<b>25.11</b>	5
93 x 230	60		100	2418	<b>20.49</b>	5
93 x 230	80		100	2419	<b>18.39</b>	5
93 x 230	100		100	2390	<b>17.01</b>	5
93 x 230	120		100	2391	<b>17.01</b>	5
93 x 230	180		100	2393	<b>17.01</b>	5
93 x 230	240		100	2395	<b>17.17</b>	5
93 x 230	40	GL 9	100	2665	<b>34.02</b>	5
93 x 230	60	GL 9	100	2667	<b>29.40</b>	5
93 x 230	80	GL 9	100	2668	<b>27.30</b>	5
93 x 230	100	GL 9	100	2669	<b>25.92</b>	5
93 x 230	120	GL 9	100	2670	<b>25.92</b>	5
93 x 230	180	GL 9	100	2684	<b>25.92</b>	5
115 x 280	40		100	2412	<b>37.91</b>	5
115 x 280	60		100	2414	<b>31.02</b>	5
115 x 280	80		100	2415	<b>27.78</b>	5
115 x 280	100		100	2379	<b>25.84</b>	5
115 x 280	120		100	2380	<b>25.84</b>	5
115 x 280	150		100	2381	<b>25.84</b>	5
115 x 280	180		100	2382	<b>25.84</b>	5
115 x 280	220		100	2383	<b>26.00</b>	5
115 x 280	240		100	2384	<b>26.00</b>	5
115 x 280	40	GL 1	100	5326	<b>46.82</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.






Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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	Price/100 pcs. £	Discount group
115 x 280	60	 GL 1	100	5324	<b>39.93</b>	5
115 x 280	80	 GL 1	100	5323	<b>36.69</b>	5
115 x 280	100	 GL 1	100	5322	<b>34.75</b>	5
115 x 280	120	 GL 1	100	5321	<b>34.75</b>	5
115 x 280	180	 GL 1	100	5319	<b>34.75</b>	5
230 x 280	40		50	2059	<b>82.62</b>	5
230 x 280	50		50	2060	<b>74.12</b>	5
230 x 280	60		50	2061	<b>66.26</b>	5
230 x 280	80		50	2062	<b>58.40</b>	5
230 x 280	100		50	2048	<b>53.46</b>	5
230 x 280	120		50	2049	<b>53.46</b>	5
230 x 280	150		50	2050	<b>53.46</b>	5
230 x 280	180		50	2051	<b>53.46</b>	5
230 x 280	220		50	2052	<b>54.03</b>	5
230 x 280	240		50	2053	<b>54.03</b>	5
230 x 280	280		50	2054	<b>54.03</b>	5
230 x 280	320		50	2055	<b>54.03</b>	5
230 x 280	400		50	2057	<b>54.03</b>	5

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
230 x 280	40	50	147849	<b>102.06</b>	5
230 x 280	60	50	147850	<b>80.51</b>	5
230 x 280	80	50	147851	<b>70.47</b>	5
230 x 280	100	50	149719	<b>64.23</b>	5
230 x 280	120	50	147852	<b>64.23</b>	5
230 x 280	150	50	149528	<b>64.23</b>	5
230 x 280	180	50	147853	<b>64.23</b>	5
230 x 280	220	50	149529	<b>64.88</b>	5
230 x 280	240	50	147854	<b>64.88</b>	5
230 x 280	280	50	149793	<b>64.88</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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	Price/100 pcs. £	Discount group
230 x 280	320	50	149530	<b>64.88</b>	5
230 x 280	400	50	148971	<b>64.88</b>	5
230 x 280	500	50	170667	<b>64.88</b>	5
230 x 280	600	50	170668	<b>64.88</b>	5

Abrasive paper, actively coated

### PS 73 BW



#### Properties

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

#### Applications

Paint/Varnish/Filler	●
Plastic	●

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
115 x 280	40	100	73953	<b>115.83</b>	6
115 x 280	60	100	74436	<b>102.87</b>	6
115 x 280	80	100	72227	<b>96.39</b>	6
115 x 280	100	100	73583	<b>93.15</b>	6
115 x 280	120	100	72488	<b>93.15</b>	6
230 x 280	30	50	2083	<b>253.53</b>	6
230 x 280	40	50	2084	<b>221.13</b>	6
230 x 280	50	50	2085	<b>206.55</b>	6
230 x 280	60	50	2086	<b>193.59</b>	6
230 x 280	80	50	2087	<b>180.63</b>	6
230 x 280	100	50	2088	<b>172.53</b>	6
230 x 280	120	50	2089	<b>172.53</b>	6
230 x 280	150	50	2090	<b>172.53</b>	6
230 x 280	180	50	2091	<b>172.53</b>	6
230 x 280	220	50	2092	<b>174.15</b>	6
230 x 280	240	50	2093	<b>174.15</b>	6
230 x 280	280	50	2094	<b>174.15</b>	6
230 x 280	320	50	2095	<b>174.15</b>	6
230 x 280	360	50	2096	<b>174.15</b>	6
230 x 280	400	50	2097	<b>174.15</b>	6
230 x 280	500	50	2098	<b>174.15</b>	6
230 x 280	600	50	5334	<b>174.15</b>	6

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
230 x 280	40	50	2100	<b>139.32</b>	6
230 x 280	50	50	2101	<b>131.22</b>	6
230 x 280	60	50	2102	<b>123.12</b>	6
230 x 280	80	50	2103	<b>115.83</b>	6
230 x 280	100	50	2104	<b>110.97</b>	6
230 x 280	120	50	2105	<b>110.97</b>	6
230 x 280	150	50	2106	<b>110.97</b>	6
230 x 280	180	50	2107	<b>110.97</b>	6
230 x 280	220	50	2108	<b>111.78</b>	6
230 x 280	240	50	2109	<b>111.78</b>	6
230 x 280	280	50	119885	<b>111.78</b>	6
230 x 280	320	50	119886	<b>111.78</b>	6
230 x 280	360	50	119887	<b>111.78</b>	6
230 x 280	400	50	119888	<b>111.78</b>	6

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# 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	Price/100 pcs. £	Discount group
230 x 280	40	50	218047	<b>179.82</b>	6
230 x 280	50	50	218048	<b>168.48</b>	6
230 x 280	60	50	218050	<b>158.76</b>	6
230 x 280	80	50	218051	<b>148.23</b>	6
230 x 280	100	50	218052	<b>141.75</b>	6
230 x 280	120	50	218053	<b>141.75</b>	6
230 x 280	150	50	218054	<b>141.75</b>	6
230 x 280	180	50	218055	<b>141.75</b>	6
230 x 280	220	50	218056	<b>143.37</b>	6
230 x 280	240	50	218057	<b>143.37</b>	6
230 x 280	280	50	218058	<b>143.37</b>	6
230 x 280	320	50	218059	<b>143.37</b>	6
230 x 280	400	50	218061	<b>143.37</b>	6
230 x 280	600	50	218063	<b>143.37</b>	6

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# Strips 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 product with a stable E-paper backing for rough, intermediate grinding and 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

All sizes and minimum purchasing quantities available on request

Abrasive paper, self-fastening

## PS 22 K



### Properties

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

### Applications

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

**Advantages:** High removal rate - Uniform scratch pattern

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
70 x 125	60		100	147593	<b>33.45</b>	5
70 x 125	80		100	140608	<b>30.38</b>	5
70 x 125	100		100	131668	<b>28.43</b>	5
70 x 125	120		100	129801	<b>28.43</b>	5
70 x 125	150		100	135581	<b>28.43</b>	5
70 x 125	180		100	129802	<b>28.43</b>	5
80 x 133	40	GL18	100	149852	<b>49.90</b>	5
80 x 133	60	GL18	100	149853	<b>41.88</b>	5
80 x 133	80	GL18	100	149854	<b>38.07</b>	5
80 x 133	100	GL18	100	149855	<b>35.72</b>	5
80 x 133	120	GL18	100	149857	<b>35.72</b>	5
80 x 133	150	GL18	100	232741	<b>35.72</b>	5
80 x 133	180	GL18	100	232742	<b>35.72</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# Strips with paper backing, self-fastening

Coated abrasives



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

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
80 x 133	220	GL18	100	206371	<b>35.96</b>	5
100 x 115	80		100	103378	<b>36.45</b>	5
100 x 115	100		100	103379	<b>33.94</b>	5
100 x 115	120		100	103380	<b>33.94</b>	5
100 x 115	150		100	103381	<b>33.94</b>	5
115 x 115	80		100	82076	<b>34.18</b>	5
115 x 115	120		100	81637	<b>31.27</b>	5
115 x 115	150		100	94721	<b>31.27</b>	5
115 x 230	40	GL15	100	122331	<b>102.06</b>	5
115 x 230	60	GL15	100	116647	<b>82.62</b>	5
115 x 230	80	GL15	100	116648	<b>72.82</b>	5
115 x 230	100	GL15	100	116649	<b>66.99</b>	5
115 x 230	120	GL15	100	114942	<b>66.99</b>	5
115 x 230	150	GL15	100	111500	<b>66.99</b>	5

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	Price/100 pcs. £	Discount group
70 x 125	80		100	155072	<b>29.40</b>	5
70 x 125	100		100	151786	<b>27.70</b>	5
70 x 125	120		100	151785	<b>27.70</b>	5
70 x 125	150		100	151784	<b>27.70</b>	5
70 x 125	180		100	148228	<b>27.70</b>	5
70 x 125	220		100	155500	<b>27.86</b>	5
70 x 125	240		100	152381	<b>27.86</b>	5
70 x 125	280		100	197133	<b>27.86</b>	5
80 x 133	40	GL18	100	146974	<b>46.98</b>	5
80 x 133	60	GL18	100	146975	<b>39.93</b>	5
80 x 133	80	GL18	100	146976	<b>36.61</b>	5
80 x 133	100	GL18	100	146977	<b>34.51</b>	5
80 x 133	120	GL18	100	147169	<b>34.51</b>	5
80 x 133	150	GL18	100	149107	<b>34.51</b>	5
80 x 133	180	GL18	100	147479	<b>34.51</b>	5
80 x 133	220	GL18	100	149819	<b>34.75</b>	5

Continuation →






















Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# Strips with paper backing, self-fastening

## 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	Price/100 pcs. £	Discount group
80 x 133	240	 GL18	100	148050	<b>34.75</b>	5
80 x 133	320	 GL18	100	149897	<b>34.75</b>	5
80 x 133	400	 GL18	100	149899	<b>34.75</b>	5
93 x 178	40	 GL17	100	146970	<b>61.32</b>	5
93 x 178	60	 GL17	100	146971	<b>50.30</b>	5
93 x 178	80	 GL17	100	146972	<b>45.12</b>	5
93 x 178	100	 GL17	100	146973	<b>41.96</b>	5
93 x 178	120	 GL17	100	148046	<b>41.96</b>	5
93 x 178	150	 GL17	100	149138	<b>41.96</b>	5
93 x 178	180	 GL17	100	148047	<b>41.96</b>	5
93 x 178	240	 GL17	100	148048	<b>42.28</b>	5
100 x 115	80		100	147101	<b>34.75</b>	5
100 x 115	100		100	147102	<b>32.56</b>	5
100 x 115	120		100	147103	<b>32.56</b>	5
100 x 115	150		100	148658	<b>32.56</b>	5
100 x 115	180		100	147104	<b>32.56</b>	5
100 x 115	240		100	147105	<b>32.72</b>	5
115 x 230	40	 GL15	100	146966	<b>92.34</b>	5
115 x 230	60	 GL15	100	146967	<b>75.33</b>	5
115 x 230	80	 GL15	100	146968	<b>67.07</b>	5
115 x 230	100	 GL15	100	146969	<b>61.97</b>	5
115 x 230	120	 GL15	100	147182	<b>61.97</b>	5
115 x 230	150	 GL15	100	149820	<b>61.97</b>	5
115 x 230	180	 GL15	100	147183	<b>61.97</b>	5
115 x 230	220	 GL15	100	149486	<b>62.45</b>	5
115 x 230	240	 GL15	100	147184	<b>62.45</b>	5
115 x 230	320	 GL15	100	147185	<b>62.45</b>	5

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.

# Strips with film backing, self-fastening

Coated abrasives



Abrasive film, actively coated, self-fastening

## FP 73 WK



NEW



### Properties

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

### Applications

Paint/Varnish/Filler	●
Plastic	○

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

### Available grits:

16	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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 111. Please see Applications Guide on page 109 - 113.**

## Self-fastening support / Hand block

Self-fastening support/backing/coating

### CS 396 Y

NEW



#### Properties

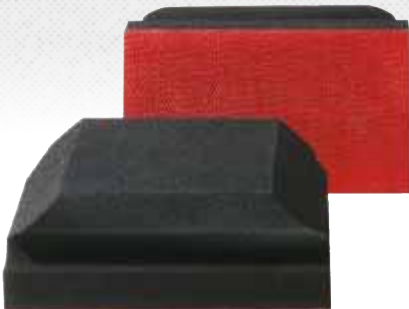
Engaging elements	Mushroom heads
Thickness	1,5 mm
Temperature range	-30° to +80°

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

All sizes and minimum purchasing quantities available on request

Hand block

### HK 100



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

Width x Length x Height in mm	Packing unit/pcs.	Cat. number	Price/piece £	Discount group
68 x 118 x 40	1	185320	<b>6.84</b>	14

Recommended prices.

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	Price/100 pcs. £	Discount group
152 x 229	coarse	brown	Aluminium oxide	10	258862	<b>203.38</b>	7
152 x 229	medium	green HD	Aluminium oxide	10	258864	<b>157.62</b>	7
152 x 229	very fine	green	Aluminium oxide	10	258865	<b>156.35</b>	7
152 x 229	very fine	maroon	Aluminium oxide	10	258866	<b>160.16</b>	7
152 x 229	medium	black	SiC	10	258863	<b>161.43</b>	7
152 x 229	ultra fine	grey	SiC	10	258867	<b>160.16</b>	7
152 x 229	without grain	non abrasive white	without grain	10	258868	<b>156.35</b>	7
152 x 229	set	all colours	Al. oxide / SiC	7	258869	<b>1,263.84</b>	7

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

Recommended prices. **Other grades and sizes available on request.**  
**Please observe:** Please see Applications Guide on page 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length x Height in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece £	Discount group
100 x 70 x 25	60	100	125279	<b>0.64</b>	14
100 x 70 x 25	80	100	225165	<b>0.64</b>	14
100 x 70 x 25	100	100	125280	<b>0.64</b>	14
100 x 70 x 25	120	100	225166	<b>0.64</b>	14
100 x 70 x 25	180	100	225167	<b>0.64</b>	14
100 x 70 x 25	220	100	225168	<b>0.64</b>	14
100 x 70 x 25	280	100	225169	<b>0.64</b>	14

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	Price/piece £	Discount group
123 x 96 x 12,5	120	100	125281	<b>0.62</b>	14
123 x 96 x 12,5	220	100	125282	<b>0.62</b>	14

Recommended prices. **Other grits and sizes available on request.**  
Please observe: Please see Applications Guide on page 109.

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	Price/piece £	Discount group
123 x 96 x 12,5	120	100	244377	0.67	14
123 x 96 x 12,5	220	100	244379	0.67	14

Recommended prices. **Other grits and sizes available on request.**  
Please observe: Please see Applications Guide on page 109.

# Discs

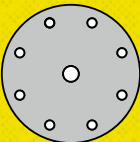
## Applications guide

### Hole patterns for discs

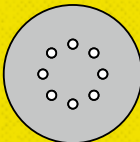
Klingspor offers a wide range of products with hole patterns for dust extraction.

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


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




**GLS 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



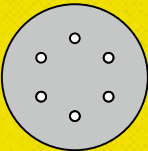
0 = no hole




10 = round hole



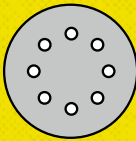
30 = star-shaped hole




**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



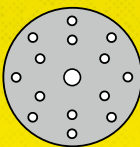
**GLS 5**  
 Ø 125 mm  
 8 holes Ø 10 mm  
 on hole circle Ø 65 mm



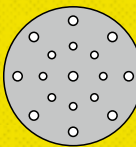
**GLS 15**  
 Triangular Ø 96 mm  
 6 holes Ø 8 mm  
 on hole circle Ø 52 mm



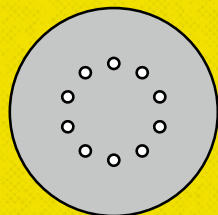
**GLS 24**  
 98 x 148 mm  
 7 holes Ø 10 mm



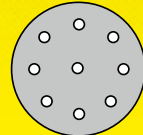
**GLS 47**  
 Ø 150 mm  
 8 holes Ø 9 mm  
 on hole circle Ø 120 mm,  
 6 holes Ø 9 mm  
 on hole circle Ø 80 mm  
 + 1 centre hole Ø 17 mm



**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 50 mm	PS 11 C, PS 22 F ACT	5.000 pieces	CS 310 X, CS 321 X	5.000 pieces
	up to 90 mm		2.500 pieces		2.500 pieces
	up to 125 mm		1.000 pieces		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	Hole pattern
AEG Powertools	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	blank
	LST 20 R525, LST 20 R550	125	blank
	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	blank
	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
DeWalt	ES 55 E, DW423, D26453	125	GLS 5
	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
Fein	LL 107 VEA	115	blank
	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
Felisatti	RÖT 14-200 E	200	GLS 3
	TP 521/AS, TP 521/E, TP 522 AS/CE, RGF 150/600 E	150	GLS 3

Manufacturer	Type	Size in mm	Hole pattern
Festool	RO 90 DX FEQ-Plus	90	GLS 41
	DS 400, DTS 400	98 × 148	GLS 24
	DX 93	94 × 94 × 94	GLS 16
	ES 125, ES 125 E, ES 125 E-PLUS, ES 125 PLUS	125	GLS 5
	ES 125 EQ-Plus; ES 125 EQ, ES 125 Q-Plus, ES 125 Q, ETS 125, LEX 2 125/3, LEX 1 125/7, LEX 3 125/3, LEX 3 125/5	125	GLS 27
	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
Hitachi	FSV 13 Y, TSV 13 Y, SV 13 YA	125	GLS 5
Hitachi	SAY 150 A	150	GLS 3
HOLZ HER	2445	150	GLS 7, 1
Kress	CDS 6425, CDS 6420, CDS 6422 E	105	GLS 17
	CPS 6115-1, 6115 E	115	GLS 4
	CPS 6125-1, CPS 6125 E, CPS 6125 E SET, HEX 1385 E, HEX 6385 E, 300 EXE	125	GLS 5
	900 MPS, 900 HEX /2	150	GLS 3
Mafell	UT 150 E, UX 150 E	150	GLS 1, 3, 47
Makita	BO 4561, BO 4565	96 × 96 × 96	GLS 15
	BO 5000, BO 5010, BO 5041, BO 5031 K, BO 5021, BO 5021 K, BO 5041 K	125	GLS 5
	BO 6030, BO 6040 J	150	GLS 1
Metabo	DS E 130, DS E 170, DS E 180	96 × 96 × 96	GLS 15
	DSE 300, DSE 300 Intec, DSE 280 INTEC	94 × 94 × 94	GLS 15
	SXE 400	80	GLS 13
	SX E 125, FSX 200 INTEC, SXE 425 TURBOTEC, SX E 425, SXE 325 INTEC	125	GLS 5
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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

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

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
180 x 22	40	⊗ 30	50	115022	80.60	5
180 x 22	60	⊗ 30	50	120109	67.55	5
180 x 22	80	⊗ 30	50	115020	61.48	5
180 x 22	100	⊗ 30	50	120110	57.67	5

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

## PS 19 EK



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

### Applications

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

**Advantages:** Hard and sharp silicon carbide grain for hard and tough materials - 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

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 behaviour due to self-sharpening zirconia alumina - 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
115	40	○ 0	50	237224	59.29	5
115	60	○ 0	50	248808	48.20	5
115	80	○ 0	50	249326	42.93	5
115	120	○ 0	50	249327	39.69	5
115	150	○ 0	50	248809	39.69	5
115	240	○ 0	50	255347	40.01	5
125	40	○ 0	50	246857	67.47	5
125	60	○ 0	50	237780	54.51	5
125	80	○ 0	50	237781	48.44	5
125	120	○ 0	50	237782	44.55	5
125	150	○ 0	50	255348	44.55	5
125	240	○ 0	50	237785	44.96	5
150	40	○ 0	50	230312	90.72	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# 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	Price/100 pcs. £	Discount group
150	60	○ 0	50	230313	<b>72.50</b>	5
150	80	○ 0	50	230314	<b>63.91</b>	5
150	120	○ 0	50	246488	<b>58.56</b>	5
150	150	○ 0	50	239244	<b>58.56</b>	5
150	240	○ 0	50	251509	<b>59.05</b>	5

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 - Uniform surface scratch pattern - Available in many grit sizes and dimensions

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
96	40	△ GLS15	50	142134	<b>42.12</b>	5
96	60	△ GLS15	50	142135	<b>34.51</b>	5
96	80	△ GLS15	50	142136	<b>30.86</b>	5
96	100	△ GLS15	50	145055	<b>28.67</b>	5
96	120	△ GLS15	50	142137	<b>28.67</b>	5
96	150	△ GLS15	50	146336	<b>28.67</b>	5
96	180	△ GLS15	50	142138	<b>28.67</b>	5
96	240	△ GLS15	50	142139	<b>28.92</b>	5
115	24	○ 0	50	6754	<b>74.68</b>	5
115	40	○ 0	50	2785	<b>57.43</b>	5
115	60	○ 0	50	2786	<b>46.82</b>	5
115	80	○ 0	50	6756	<b>41.80</b>	5
115	100	○ 0	50	2787	<b>38.64</b>	5
115	120	○ 0	50	6757	<b>38.64</b>	5
115	150	○ 0	50	80046	<b>38.64</b>	5
115	180	○ 0	50	2788	<b>38.64</b>	5
115	220	○ 0	50	88330	<b>38.96</b>	5
115	240	○ 0	50	88333	<b>38.96</b>	5
115	320	○ 0	50	95561	<b>38.96</b>	5
115	400	○ 0	50	111470	<b>38.96</b>	5
115	40	⊗ GLS4	50	82938	<b>57.43</b>	5
115	60	⊗ GLS4	50	82940	<b>46.82</b>	5
115	80	⊗ GLS4	50	82941	<b>41.80</b>	5
115	100	⊗ GLS4	50	82942	<b>38.64</b>	5
115	120	⊗ GLS4	50	82944	<b>38.64</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# 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	Price/100 pcs. £	Discount group
115	180	⊙ GLS4	50	82946	<b>38.64</b>	5
115	240	⊙ GLS4	50	87424	<b>38.96</b>	5
125	24	○ 0	50	7300	<b>85.05</b>	5
125	40	○ 0	50	2294	<b>65.29</b>	5
125	60	○ 0	50	2295	<b>52.89</b>	5
125	80	○ 0	50	6774	<b>46.98</b>	5
125	100	○ 0	50	2296	<b>43.34</b>	5
125	120	○ 0	50	6775	<b>43.34</b>	5
125	150	○ 0	50	78163	<b>43.34</b>	5
125	180	○ 0	50	62107	<b>43.34</b>	5
125	220	○ 0	50	97176	<b>43.74</b>	5
125	240	○ 0	50	91922	<b>43.74</b>	5
125	320	○ 0	50	93284	<b>43.74</b>	5
125	400	○ 0	50	130114	<b>43.74</b>	5
125	24	⊙ GLS5	50	89485	<b>85.05</b>	5
125	40	⊙ GLS5	50	89486	<b>65.29</b>	5
125	60	⊙ GLS5	50	89488	<b>52.89</b>	5
125	80	⊙ GLS5	50	89489	<b>46.98</b>	5
125	100	⊙ GLS5	50	89491	<b>43.34</b>	5
125	120	⊙ GLS5	50	89493	<b>43.34</b>	5
125	150	⊙ GLS5	50	89494	<b>43.34</b>	5
125	180	⊙ GLS5	50	89495	<b>43.34</b>	5
125	220	⊙ GLS5	50	90758	<b>43.74</b>	5
125	240	⊙ GLS5	50	92753	<b>43.74</b>	5
125	320	⊙ GLS5	50	89496	<b>43.74</b>	5
125	400	⊙ GLS5	50	104778	<b>43.74</b>	5
125	40	⊙ GLS27	50	260795	<b>65.29</b>	5
125	60	⊙ GLS27	50	260796	<b>52.89</b>	5
125	80	⊙ GLS27	50	260797	<b>46.98</b>	5
125	100	⊙ GLS27	50	260798	<b>43.34</b>	5
125	120	⊙ GLS27	50	260799	<b>43.34</b>	5
125	150	⊙ GLS27	50	260800	<b>43.34</b>	5
125	180	⊙ GLS27	50	260801	<b>43.34</b>	5
125	240	⊙ GLS27	50	260802	<b>43.74</b>	5
150	24	○ 0	50	2474	<b>115.83</b>	5
150	40	○ 0	50	20207	<b>87.48</b>	5
150	60	○ 0	50	6649	<b>70.07</b>	5
150	80	○ 0	50	6936	<b>61.88</b>	5
150	100	○ 0	50	6697	<b>56.70</b>	5
150	120	○ 0	50	6937	<b>56.70</b>	5
150	150	○ 0	50	71140	<b>56.70</b>	5
150	180	○ 0	50	4022	<b>56.70</b>	5
150	220	○ 0	50	93324	<b>57.27</b>	5
150	240	○ 0	50	91605	<b>57.27</b>	5
150	320	○ 0	50	91721	<b>57.27</b>	5
150	400	○ 0	50	129092	<b>57.27</b>	5
150	24	⊙ GLS1	50	6516	<b>115.83</b>	5
150	40	⊙ GLS1	50	6520	<b>87.48</b>	5
150	60	⊙ GLS1	50	6523	<b>70.07</b>	5
150	80	⊙ GLS1	50	6524	<b>61.88</b>	5
150	100	⊙ GLS1	50	6525	<b>56.70</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# 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	Price/100 pcs. £	Discount group
150	120	⊗ GLS1	50	6526	<b>56.70</b>	5
150	150	⊗ GLS1	50	80722	<b>56.70</b>	5
150	180	⊗ GLS1	50	6611	<b>56.70</b>	5
150	220	⊗ GLS1	50	98990	<b>57.27</b>	5
150	240	⊗ GLS1	50	89451	<b>57.27</b>	5
150	320	⊗ GLS1	50	89450	<b>57.27</b>	5
150	400	⊗ GLS1	50	129389	<b>57.27</b>	5
150	40	⊗ GLS2	50	74088	<b>87.48</b>	5
150	60	⊗ GLS2	50	72633	<b>70.07</b>	5
150	80	⊗ GLS2	50	72632	<b>61.88</b>	5
150	100	⊗ GLS2	50	73490	<b>56.70</b>	5
150	120	⊗ GLS2	50	72628	<b>56.70</b>	5
150	150	⊗ GLS2	50	79862	<b>56.70</b>	5
150	180	⊗ GLS2	50	72624	<b>56.70</b>	5
150	240	⊗ GLS2	50	91814	<b>57.27</b>	5
150	24	⊗ GLS3	50	93321	<b>115.83</b>	5
150	40	⊗ GLS3	50	89181	<b>87.48</b>	5
150	60	⊗ GLS3	50	86634	<b>70.07</b>	5
150	80	⊗ GLS3	50	86635	<b>61.88</b>	5
150	100	⊗ GLS3	50	97072	<b>56.70</b>	5
150	120	⊗ GLS3	50	86636	<b>56.70</b>	5
150	150	⊗ GLS3	50	86637	<b>56.70</b>	5
150	180	⊗ GLS3	50	87528	<b>56.70</b>	5
150	220	⊗ GLS3	50	100157	<b>57.27</b>	5
150	240	⊗ GLS3	50	97778	<b>57.27</b>	5
150	320	⊗ GLS3	50	97779	<b>57.27</b>	5
150	400	⊗ GLS3	50	128356	<b>57.27</b>	5
150	40	⊗ GLS51	50	306611	<b>87.48</b>	5
150	60	⊗ GLS51	50	306612	<b>70.07</b>	5
150	80	⊗ GLS51	50	305559	<b>61.88</b>	5
150	100	⊗ GLS51	50	306507	<b>56.70</b>	5
150	120	⊗ GLS51	50	305560	<b>56.70</b>	5
150	150	⊗ GLS51	50	306508	<b>56.70</b>	5
150	180	⊗ GLS51	50	306509	<b>56.70</b>	5
150	240	⊗ GLS51	50	309471	<b>57.27</b>	5
180	24	○ 0	50	2782	<b>162.81</b>	5
180	40	○ 0	50	2476	<b>123.12</b>	5
180	60	○ 0	50	2477	<b>98.82</b>	5
180	80	○ 0	50	6914	<b>86.67</b>	5
180	100	○ 0	50	2783	<b>79.79</b>	5
180	120	○ 0	50	6915	<b>79.79</b>	5
200	40	○ 0	50	77659	<b>149.85</b>	5
200	60	○ 0	50	77660	<b>119.88</b>	5
200	80	○ 0	50	77656	<b>106.11</b>	5
200	100	○ 0	50	77658	<b>97.20</b>	5
200	120	○ 0	50	77661	<b>97.20</b>	5

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.**

# 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
96	40	△ GLS15	100	147163	<b>41.15</b>	5
96	60	△ GLS15	100	147164	<b>34.10</b>	5
96	80	△ GLS15	100	147165	<b>30.78</b>	5
96	100	△ GLS15	100	147166	<b>28.67</b>	5
96	120	△ GLS15	100	148195	<b>28.67</b>	5
98 x 148	60	△ GLS24	100	215473	<b>38.31</b>	5
98 x 148	80	△ GLS24	100	215474	<b>33.70</b>	5
98 x 148	100	△ GLS24	100	215475	<b>30.86</b>	5
98 x 148	120	△ GLS24	100	215476	<b>30.86</b>	5
115	40	○ 0	100	147701	<b>55.81</b>	5
115	60	○ 0	100	148469	<b>45.93</b>	5
115	80	○ 0	100	147144	<b>41.31</b>	5
115	100	○ 0	100	150379	<b>38.48</b>	5
115	120	○ 0	100	146955	<b>38.48</b>	5
125	40	○ 0	100	154113	<b>63.02</b>	5
125	60	○ 0	100	147604	<b>51.52</b>	5
125	80	○ 0	100	149055	<b>46.17</b>	5
125	100	○ 0	100	150431	<b>42.77</b>	5
125	120	○ 0	100	150433	<b>42.77</b>	5
125	40	⊙ GLS5	100	146954	<b>63.02</b>	5
125	60	⊙ GLS5	100	147642	<b>51.52</b>	5
125	80	⊙ GLS5	100	147643	<b>46.17</b>	5
125	100	⊙ GLS5	100	147977	<b>42.77</b>	5
125	120	⊙ GLS5	100	147170	<b>42.77</b>	5
125	150	⊙ GLS5	100	150760	<b>42.77</b>	5
125	180	⊙ GLS5	100	147837	<b>42.77</b>	5
125	240	⊙ GLS5	100	147838	<b>43.17</b>	5
150	40	○ 0	100	147922	<b>83.43</b>	5
150	60	○ 0	100	147107	<b>67.47</b>	5
150	80	○ 0	100	146739	<b>59.86</b>	5
150	100	○ 0	100	147106	<b>55.16</b>	5
150	120	○ 0	100	146740	<b>55.16</b>	5
150	150	○ 0	100	148375	<b>55.16</b>	5
150	180	○ 0	100	146958	<b>55.16</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# 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	Price/100 pcs. £	Discount group
150	220	○ 0	100	149916	<b>55.65</b>	5
150	240	○ 0	100	146959	<b>55.65</b>	5
150	320	○ 0	100	146716	<b>55.65</b>	5
150	400	○ 0	100	147108	<b>55.65</b>	5
150	40	⊗ GLS1	100	146978	<b>83.43</b>	5
150	60	⊗ GLS1	100	146979	<b>67.47</b>	5
150	80	⊗ GLS1	100	143130	<b>59.86</b>	5
150	100	⊗ GLS1	100	143131	<b>55.16</b>	5
150	120	⊗ GLS1	100	147093	<b>55.16</b>	5
150	150	⊗ GLS1	100	148379	<b>55.16</b>	5
150	180	⊗ GLS1	100	147095	<b>55.16</b>	5
150	220	⊗ GLS1	100	149794	<b>55.65</b>	5
150	240	⊗ GLS1	100	147094	<b>55.65</b>	5
150	320	⊗ GLS1	100	147096	<b>55.65</b>	5
150	400	⊗ GLS1	100	147097	<b>55.65</b>	5
150	60	⊗ GLS2	100	147226	<b>67.47</b>	5
150	80	⊗ GLS2	100	143132	<b>59.86</b>	5
150	100	⊗ GLS2	100	143133	<b>55.16</b>	5
150	120	⊗ GLS2	100	147225	<b>55.16</b>	5
150	150	⊗ GLS2	100	148377	<b>55.16</b>	5
150	180	⊗ GLS2	100	147224	<b>55.16</b>	5
150	240	⊗ GLS2	100	147280	<b>55.65</b>	5
150	320	⊗ GLS2	100	147721	<b>55.65</b>	5
150	40	⊗ GLS3	100	147647	<b>83.43</b>	5
150	60	⊗ GLS3	100	147124	<b>67.47</b>	5
150	80	⊗ GLS3	100	146946	<b>59.86</b>	5
150	100	⊗ GLS3	100	143694	<b>55.16</b>	5
150	120	⊗ GLS3	100	146947	<b>55.16</b>	5
150	150	⊗ GLS3	100	149151	<b>55.16</b>	5
150	180	⊗ GLS3	100	146948	<b>55.16</b>	5
150	220	⊗ GLS3	100	149255	<b>55.65</b>	5
150	240	⊗ GLS3	100	146907	<b>55.65</b>	5
150	320	⊗ GLS3	100	147126	<b>55.65</b>	5
150	400	⊗ GLS3	100	147125	<b>55.65</b>	5
150	40	⊗ GLS51	100	310531	<b>83.43</b>	5
150	60	⊗ GLS51	100	301874	<b>67.47</b>	5
150	80	⊗ GLS51	100	301925	<b>59.86</b>	5
150	100	⊗ GLS51	100	301926	<b>55.16</b>	5
150	120	⊗ GLS51	100	301927	<b>55.16</b>	5
150	150	⊗ GLS51	100	301928	<b>55.16</b>	5
150	180	⊗ GLS51	100	304084	<b>55.16</b>	5
150	220	⊗ GLS51	100	301929	<b>55.65</b>	5
150	240	⊗ GLS51	100	304815	<b>55.65</b>	5
150	320	⊗ GLS51	100	301930	<b>55.65</b>	5
150	400	⊗ GLS51	100	310898	<b>55.65</b>	5
225	40	○ 0	50	223162	<b>174.15</b>	5
225	60	○ 0	50	210124	<b>139.32</b>	5
225	80	○ 0	50	210129	<b>123.12</b>	5
225	100	○ 0	50	224731	<b>112.59</b>	5
225	120	○ 0	50	210130	<b>112.59</b>	5
225	40	⊗ GLS52	50	302042	<b>174.15</b>	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# 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	Price/100 pcs. £	Discount group
225	60	☉ GLS52	50	302043	<b>139.32</b>	5
225	80	☉ GLS52	50	302044	<b>123.12</b>	5
225	100	☉ GLS52	50	302045	<b>112.59</b>	5
225	120	☉ GLS52	50	302046	<b>112.59</b>	5
225	220	☉ GLS52	50	302049	<b>114.21</b>	5

Abrasive paper, self-fastening

## PS 61 FK



### 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	Price/100 pcs. £	Discount group
125	60	○ 0	50	322468	<b>106.92</b>	5
125	80	○ 0	50	321597	<b>93.96</b>	5
125	120	○ 0	50	322469	<b>86.67</b>	5
125	150	○ 0	50	322470	<b>86.67</b>	5
125	180	○ 0	50	322471	<b>86.67</b>	5
150	60	○ 0	50	322036	<b>143.37</b>	5
150	80	○ 0	50	321325	<b>125.55</b>	5
150	120	○ 0	50	322472	<b>115.02</b>	5
150	150	○ 0	50	322473	<b>115.02</b>	5
150	180	○ 0	50	321797	<b>115.02</b>	5

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# Discs with film backing, self-fastening

Coated abrasives

Abrasive film, actively 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
150	80	⊗ GLS47	100	320641	<b>81.81</b>	5
150	100	⊗ GLS47	100	320642	<b>74.84</b>	5
150	120	⊗ GLS47	100	320643	<b>74.84</b>	5
150	150	⊗ GLS47	100	320644	<b>74.84</b>	5
150	180	⊗ GLS47	100	320725	<b>74.84</b>	5
150	240	⊗ GLS47	100	320726	<b>75.49</b>	5
150	320	⊗ GLS47	100	320727	<b>75.49</b>	5
150	400	⊗ GLS47	100	320728	<b>75.49</b>	5
150	500	⊗ GLS47	100	320735	<b>75.49</b>	5
150	600	⊗ GLS47	100	320729	<b>75.49</b>	5
150	800	⊗ GLS47	100	320730	<b>75.49</b>	5
150	1000	⊗ GLS47	100	320731	<b>75.49</b>	5
150	1200	⊗ GLS47	100	320732	<b>75.49</b>	5
150	1500	⊗ GLS47	100	320733	<b>75.49</b>	5

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, actively 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	Price/100 pcs. £	Discount group
150	40	○ 0	100	301231	89.91	5
150	60	○ 0	100	301232	72.58	5
150	80	○ 0	100	301233	64.23	5
150	100	○ 0	100	301234	59.05	5
150	120	○ 0	100	301235	59.05	5
150	150	○ 0	100	301236	59.05	5
150	180	○ 0	100	301237	59.05	5
150	220	○ 0	100	301238	59.54	5
150	240	○ 0	100	301239	59.54	5
150	320	○ 0	100	301240	59.54	5
150	400	○ 0	100	301241	59.54	5
150	500	○ 0	100	301937	59.54	5
150	800	○ 0	100	301886	59.54	5
150	1000	○ 0	100	301891	59.54	5
150	40	⊗ GLS1	100	301205	89.91	5
150	60	⊗ GLS1	100	301206	72.58	5
150	80	⊗ GLS1	100	301207	64.23	5
150	100	⊗ GLS1	100	301208	59.05	5
150	120	⊗ GLS1	100	301209	59.05	5
150	150	⊗ GLS1	100	301210	59.05	5
150	180	⊗ GLS1	100	301211	59.05	5
150	220	⊗ GLS1	100	301212	59.54	5
150	240	⊗ GLS1	100	301213	59.54	5
150	320	⊗ GLS1	100	301214	59.54	5
150	400	⊗ GLS1	100	301215	59.54	5
150	500	⊗ GLS1	100	301216	59.54	5
150	600	⊗ GLS1	100	301217	59.54	5
150	800	⊗ GLS1	100	301890	59.54	5
150	40	⊗ GLS3	100	301218	89.91	5
150	60	⊗ GLS3	100	301219	72.58	5
150	80	⊗ GLS3	100	301220	64.23	5
150	100	⊗ GLS3	100	301221	59.05	5
150	120	⊗ GLS3	100	301222	59.05	5
150	150	⊗ GLS3	100	301223	59.05	5

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.

# 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	Price/100 pcs. £	Discount group
150	180	⊙ GLS3	100	301224	<b>59.05</b>	5
150	220	⊙ GLS3	100	301225	<b>59.54</b>	5
150	240	⊙ GLS3	100	301226	<b>59.54</b>	5
150	320	⊙ GLS3	100	301227	<b>59.54</b>	5
150	400	⊙ GLS3	100	301228	<b>59.54</b>	5
150	500	⊙ GLS3	100	301229	<b>59.54</b>	5
150	600	⊙ GLS3	100	301230	<b>59.54</b>	5
150	800	⊙ GLS3	100	301889	<b>59.54</b>	5
150	40	⊙ GLS47	100	301810	<b>89.91</b>	5
150	60	⊙ GLS47	100	301811	<b>72.58</b>	5
150	80	⊙ GLS47	100	301812	<b>64.23</b>	5
150	100	⊙ GLS47	100	301813	<b>59.05</b>	5
150	120	⊙ GLS47	100	301814	<b>59.05</b>	5
150	150	⊙ GLS47	100	301855	<b>59.05</b>	5
150	180	⊙ GLS47	100	301856	<b>59.05</b>	5
150	220	⊙ GLS47	100	301857	<b>59.54</b>	5
150	240	⊙ GLS47	100	301858	<b>59.54</b>	5
150	320	⊙ GLS47	100	301859	<b>59.54</b>	5
150	400	⊙ GLS47	100	301860	<b>59.54</b>	5
150	500	⊙ GLS47	100	301861	<b>59.54</b>	5
150	600	⊙ GLS47	100	301862	<b>59.54</b>	5
150	80	⊙ GLS51	100	310524	<b>64.23</b>	5
150	100	⊙ GLS51	100	309470	<b>59.05</b>	5
150	120	⊙ GLS51	100	310478	<b>59.05</b>	5
150	150	⊙ GLS51	100	310479	<b>59.05</b>	5
150	180	⊙ GLS51	100	310525	<b>59.05</b>	5
150	220	⊙ GLS51	100	310526	<b>59.54</b>	5
150	240	⊙ GLS51	100	309093	<b>59.54</b>	5
150	320	⊙ GLS51	100	309094	<b>59.54</b>	5
150	400	⊙ GLS51	100	310527	<b>59.54</b>	5

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 132. Please see Applications Guide on page 109, 132 - 133.**

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	Price/piece £	Discount group
115	M 10	1	70432	9.59	14
115	M 14	1	70433	9.59	14
115	8 mm	1	6874	6.46	14
125	M 14	1	70434	10.59	14
125	8 mm	1	70435	8.05	14
150	M 14	1	70436	16.32	14
180	M 14	1	73066	19.25	14

Multihole 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 netlike and diverse multihole patterns - Compatible with all standard orbital sanders

Diameter in mm	Mounting	Density	Packing unit/pcs.	Cat. number	Price/piece £	Discount group
150	M 8 / 5/16", spacer discs, Festool adaptor	soft	1	320488	31.60	14
150	M 8 / 5/16", spacer discs, Festool adaptor	medium	1	320489	31.60	14
150	M 8 / 5/16", spacer discs, Festool adaptor	hard	1	320587	31.60	14

Recommended prices.

## Backing pads / Self-fastening support

Multihole 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 netlike and diverse multihole patterns - Self-fastening backing pad compatible with BOSCH GEX-150 series

Diameter in mm	Mounting	Density	Packing unit/pcs.	Cat. number	Price/piece £	Discount group
150	M 8	medium	1	320490	<b>31.60</b>	14

Self-fastening support/backing/coating

### CS 396 Y



**NEW**



#### Properties

Engaging elements	Mushroom heads
Thickness	1,5 mm
Temperature range	-30° to +80°

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

All sizes and minimum purchasing quantities available on request

Recommended prices.

Non-woven web disc

## 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	Price/100 pcs. £	Discount group
115	80	coarse	10	104134	<b>387.41</b>	7
115	100	medium	10	104135	<b>370.84</b>	7
115	180	medium	10	104138	<b>370.84</b>	7
115	280	very fine	10	104139	<b>370.84</b>	7
125	80	coarse	10	104136	<b>507.57</b>	7
125	100	medium	10	104137	<b>482.71</b>	7
125	180	medium	10	104140	<b>482.71</b>	7
125	280	very fine	10	104141	<b>482.71</b>	7

Recommended prices. **Other grits/grades and sizes available on request.**  
**Please observe:** Please see Applications Guide on page 109.

## 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 behaviour - 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	Price/100 pcs. £	Discount group
115	60	coarse	brown	10	258430	<b>641.97</b>	7
115	120	medium	red	10	258431	<b>542.88</b>	7
115	180	very fine	blue	10	258432	<b>542.88</b>	7
125	60	coarse	brown	10	258433	<b>747.53</b>	7
125	120	medium	red	10	258434	<b>618.27</b>	7
125	180	very fine	blue	10	258445	<b>618.27</b>	7

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	Price/piece £	Discount group
115	M 14	1	164100	<b>16.32</b>	14
125	M 14	1	208275	<b>17.34</b>	14

Recommended prices. Other grits/grades and sizes available on request.  
Please observe: Please see Applications Guide on page 109.



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



# Quick Change Discs

## About the product







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

## Applications:

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

## Advantages:

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

Coated abrasive	Type	Grain	Coating	Characteristics	Page
	<b>QMC/QRC 412</b>	Aluminium oxide	●	The versatile disc for coarse and intermediate grinding on metal	<b>154, 158</b>
	<b>QMC/QRC 411</b>	Zirconia alumina	●	High stock removal rate for rough grinding and deburring of stainless steel and steel	<b>155, 158</b>
	<b>QMC/QRC 409</b>	Zirconia alumina	●	Extremely high stock removal rate and long service life for stainless steel and high alloy steels with multibond for cool grinding	<b>155, 159</b>
	<b>QMC/QRC 910</b>	Ceramic aluminium oxide	●	Extremely sharp ceramic grain for highest aggressivity and multibond for cool grinding	<b>156, 160</b>
	<b>QMC/QRC 400</b>	Aluminium oxide		Soft non-woven web disc for finishing and cleaning work	<b>156, 160</b>
	<b>QMC/QRC 800</b>	Aluminium oxide		Firm surface conditioning disc for cleaning and light deburring work, blending and processing of grinding marks	<b>157, 161</b>

# 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
38	36	100	295174	<b>105.24</b>	6
38	60	100	295177	<b>98.65</b>	6
38	80	100	295178	<b>94.81</b>	6
38	120	100	295180	<b>93.89</b>	6
50	36	100	295196	<b>113.17</b>	6
50	40	100	295197	<b>109.16</b>	6
50	50	100	295198	<b>107.07</b>	6
50	60	100	295199	<b>106.08</b>	6
50	80	100	295200	<b>101.99</b>	6
50	100	100	295201	<b>100.98</b>	6
50	120	100	295202	<b>100.98</b>	6
50	180	100	295204	<b>100.98</b>	6
50	240	100	295205	<b>100.98</b>	6
50	320	100	295206	<b>100.98</b>	6
76	60	50	295221	<b>159.07</b>	6
76	80	50	295222	<b>152.98</b>	6
76	100	50	295223	<b>151.48</b>	6
76	120	50	295224	<b>151.48</b>	6
76	180	50	295226	<b>151.48</b>	6

Backing pad see page 157

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 152. Please see Applications Guide on page 151 - 153.**

# 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 behaviour due to self-sharpening alumina zirconia - High removal rate on steel and stainless steel

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
50	36	100	295300	<b>143.50</b>	6
50	40	100	295301	<b>138.36</b>	6
50	60	100	295303	<b>134.50</b>	6
50	80	100	295304	<b>129.36</b>	6
50	120	100	295305	<b>127.97</b>	6
76	36	50	295312	<b>215.30</b>	6
76	60	50	295315	<b>201.75</b>	6
76	80	50	295316	<b>193.93</b>	6

Backing pad see page 157

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 aluminium

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
50	36	100	295334	<b>175.92</b>	6
50	40	100	295335	<b>169.55</b>	6
50	60	100	295337	<b>164.79</b>	6
50	80	100	295338	<b>158.42</b>	6
50	120	100	295339	<b>156.91</b>	6

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 152. Please see Applications Guide on page 151 - 153.

# Quick Change Discs

## Quick Metal Connect

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	Price/100 pcs. £	Discount group
38	60	100	295359	<b>171.91</b>	6
38	80	100	295360	<b>165.30</b>	6
50	36	100	295366	<b>197.32</b>	6
50	40	100	295367	<b>190.26</b>	6
50	50	100	295368	<b>186.68</b>	6
50	60	100	295369	<b>184.89</b>	6
50	80	100	295370	<b>177.84</b>	6

Backing pad see page 157

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	Price/100 pcs. £	Discount group
50	medium	50	295392	<b>166.09</b>	7
50	fine	50	295393	<b>156.11</b>	7
50	very fine	50	295394	<b>152.85</b>	7

Backing pad see page 157

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 152. Please see Applications Guide on page 151 - 153.

# Quick Change Discs

Quick Metal Connect



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	Price/100 pcs. £	Discount group
50	coarse	50	295410	<b>159.94</b>	7
50	medium	50	295411	<b>152.29</b>	7
50	very fine	50	295412	<b>140.12</b>	7
76	coarse	25	295416	<b>239.88</b>	7
76	medium	25	295417	<b>228.43</b>	7
76	very fine	25	295418	<b>210.15</b>	7

Backing pad see page 157

Backing pad

## QMC 555



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

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
25 x 6	soft	grey	30,000 rpm	1	300056	<b>11.85</b>	14
25 x 6	medium	blue	30,000 rpm	1	295422	<b>11.52</b>	14
38 x 6	soft	grey	30,000 rpm	1	300058	<b>12.12</b>	14
38 x 6	medium	blue	30,000 rpm	1	295424	<b>11.90</b>	14
38 x 6	firm	red	30,000 rpm	1	300059	<b>13.19</b>	14
50 x 6	soft	grey	30,000 rpm	1	300060	<b>12.97</b>	14
50 x 6	medium	blue	30,000 rpm	1	295426	<b>12.97</b>	14
50 x 6	firm	red	30,000 rpm	1	295427	<b>14.07</b>	14
76 x 6	soft	grey	20,000 rpm	1	300061	<b>13.76</b>	14
76 x 6	medium	blue	20,000 rpm	1	295430	<b>13.76</b>	14
76 x 6	firm	red	20,000 rpm	1	295431	<b>15.95</b>	14

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 152. Please see Applications Guide on page 151 - 153.

# Quick Change Discs

Quick Roll Connect

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	Price/100 pcs. £	Discount group
50	36	100	295207	<b>118.41</b>	6
50	40	100	295208	<b>114.21</b>	6
50	60	100	295210	<b>110.98</b>	6
50	80	100	295211	<b>106.70</b>	6
50	120	100	295213	<b>105.66</b>	6
76	36	50	295229	<b>177.69</b>	6
76	60	50	295232	<b>166.42</b>	6
76	80	50	295233	<b>160.06</b>	6
76	120	50	295235	<b>158.48</b>	6

Backing pad see page 161

Quick Change Disc

## QRC 411



### Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

### Applications

Stainless steel	●
Metals	●

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
50	36	100	295306	<b>149.79</b>	6
50	40	100	295307	<b>144.43</b>	6
50	60	100	295309	<b>140.41</b>	6
50	80	100	295310	<b>135.04</b>	6

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 152. Please see Applications Guide on page 151 - 153.

Continuation →

# Quick Change Discs

Quick Roll Connect



→ Continuation of QRC 411, Quick Change Disc

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
50	120	100	295311	<b>133.59</b>	6
76	36	50	295318	<b>224.75</b>	6
76	60	50	295321	<b>210.60</b>	6
76	80	50	295322	<b>202.45</b>	6

Backing pad see page 161

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 aluminium

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pcs. £	Discount group
50	36	100	295340	<b>183.76</b>	6
50	60	100	295343	<b>172.13</b>	6
50	80	100	295344	<b>165.47</b>	6

Backing pad see page 161

Recommended prices. Other grits and sizes available on request.

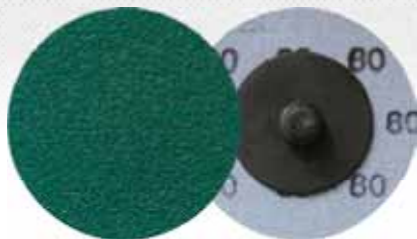
Please observe: Minimum order quantities for made to order items see page 152. Please see Applications Guide on page 151 - 153.

# Quick Change Discs

Quick Roll Connect

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	Price/100 pcs. £	Discount group
50	40	100	295372	<b>195.19</b>	6
50	60	100	295374	<b>189.68</b>	6
50	80	100	295375	<b>182.44</b>	6

Backing pad see page 161

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 161

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 152. Please see Applications Guide on page 151 - 153.**

# Quick Change Discs

Quick Roll Connect



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	Price/100 pcs. £	Discount group
50	coarse	50	295413	<b>166.45</b>	7
50	medium	50	295414	<b>158.48</b>	7
50	very fine	50	295415	<b>145.82</b>	7
76	coarse	25	295419	<b>249.63</b>	7
76	medium	25	295420	<b>237.72</b>	7

Backing pad see page 161

Backing pad

## QRC 555



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

Diameter x Shaft in mm	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
25 x 6	medium	blue	30,000 rpm	1	295423	<b>11.52</b>	14
38 x 6	medium	blue	30,000 rpm	1	295425	<b>11.90</b>	14
50 x 6	medium	blue	30,000 rpm	1	295428	<b>12.97</b>	14
50 x 6	firm	red	30,000 rpm	1	295429	<b>14.07</b>	14
76 x 6	medium	blue	20,000 rpm	1	295432	<b>13.76</b>	14
76 x 6	firm	red	20,000 rpm	1	295433	<b>15.95</b>	14

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 152. Please see Applications Guide on page 151 - 153.



# 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 grinders	Automatic grinders	Floor stand grinders
SM 611	168, 177	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	
SM 611 W	170	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	
SM 611 H	170	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	
MM 630	172	●	○		○		○	○				●	●	●	●	○	●	●	●			
MM 650	171	●	●	○	○	○	○	●		○		●	●	●	●	○	●		●		●	
WSM 617	173	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●	○					●
FSR 618	174	●	○	●	●	●	●	●	●	●	○	○	○	○	○	○	●			●	●	
NCW 600	175, 177	●	●	●	●	●	●	●	●	●						○	●		●			
NFW 600	175, 178	●	●	●	●	●	●	●	●	●												

● = 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**

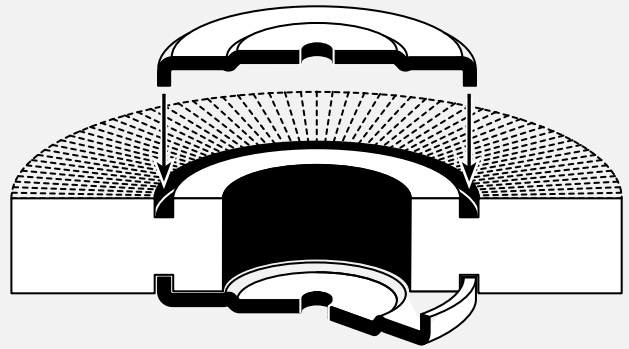
This abrasive mop wheel is equipped with a Ø 25.4 mm mounting bore hole and can be mounted to a machine without the use of a mounting plate.

#### **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
<b>SM 611</b> <b>SM 611 W</b>	100–165	20 pieces
	200–300	10 pieces
	350–410	4 pieces
<b>NFW 600 /</b> <b>NCW 600</b>	100–165	20 pieces
	200–300	10 pieces
	350–410	4 pieces

Product	Diameter in mm	Minimum order quantities
<b>FSR 618</b>	165	20 pieces
	200–300	10 pieces
	350–400	4 pieces
<b>MM 650</b>	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 belt 40 grit**  
short distinctive line pattern, rough surface, high contrast finish



**Abrasive mop wheel 40 grit**  
long continuous line pattern, minimum depression, smooth finish

## Common profilings

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

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



# Abrasive mop wheels

## Applications guide

### Selection of the correct mop diameter

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

**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 workpiece.

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

#### Maximum RPM:

Klingspor SM 611 abrasive mop wheels are certified for widths of  $\leq 100$  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

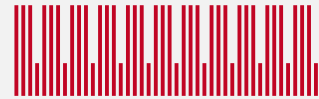
Another way to influence the grinding result is packet assembling. During packet assembling an intermediate layer is stamped between the cloth flaps. This creates space between the individual flaps, which influences the grinding behaviour of the wheel. The higher the ratio of grinding flaps to intermediate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

The standard abrasive mop wheel is manufactured without packet assembling.

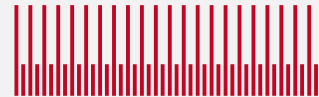
Exception: Starting at a diameter of  $\geq 250$  mm, a width of  $\geq 50$  mm, and a grit size of 220 and finer, abrasive mop wheels are manufactured with a packet assembly ratio of 5:1.



5:1



3:1



1:1

## Factors influencing the grinding result

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

Influencing factor		Grinding result		
		Stock removal*	Surface finish	Service life
Cutting rate	high	increases	finer	shorter
	low	decreases	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 are 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 a dust mask



Use ear muffs



Wear safety gloves to protect hands



Observe safety instructions



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			Price/pc. £		Discount group						
100 x 30					40		9,500 rpm		5				12000			15.85		9						
100 x 30					60		9,500 rpm		5				12002			15.85		9						
100 x 30					80		9,500 rpm		5				12003			18.00		9						
100 x 30					120		9,500 rpm		5				12005			18.00		9						
100 x 30					180		9,500 rpm		5				12007			19.19		9						
140 x 50					40		6,800 rpm		3				12060			25.71		9						
140 x 50					60		6,800 rpm		3				12062			25.71		9						
140 x 50					80		6,800 rpm		3				12063			29.82		9						
140 x 50					120		6,800 rpm		3				12065			29.91		9						
165 x 25					40		5,800 rpm		5				12075			21.61		9						
165 x 25					60		5,800 rpm		5				12077			21.61		9						
165 x 25					80		5,800 rpm		5				12078			23.63		9						
165 x 25					100		5,800 rpm		5				12079			23.63		9						
165 x 25					120		5,800 rpm		5				12080			23.63		9						
165 x 25					150		5,800 rpm		5				12081			27.73		9						
165 x 25					180		5,800 rpm		5				12082			27.73		9						
165 x 25					240		5,800 rpm		5				12084			30.57		9						
165 x 30					40		5,800 rpm		5				12090			25.71		9						
165 x 30					60		5,800 rpm		5				12092			25.71		9						
165 x 30					80		5,800 rpm		5				12093			28.39		9						
165 x 30					120		5,800 rpm		5				12095			28.39		9						
165 x 30					180		5,800 rpm		5				12097			32.74		9						
165 x 50					40		5,800 rpm		3				12105			32.67		9						
165 x 50					50		5,800 rpm		3				12106			32.67		9						
165 x 50					60		5,800 rpm		3				12107			32.67		9						
165 x 50					80		5,800 rpm		3				12108			39.11		9						
165 x 50					100		5,800 rpm		3				12109			39.11		9						
165 x 50					120		5,800 rpm		3				12110			39.11		9						
165 x 50					150		5,800 rpm		3				12111			44.65		9						
165 x 50					180		5,800 rpm		3				12112			44.65		9						
165 x 50					240		5,800 rpm		3				12114			50.00		9						
165 x 50					320		5,800 rpm		3				12116			50.00		9						
200 x 25					120		4,800 rpm		5				12140			41.89		9						
200 x 50					40		4,800 rpm		3				12165			54.53		9						

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.

# Abrasive mop wheels

## Abrasive mop



→ Continuation of SM 611, Abrasive mop

Diameter x Width in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
200 x 50	60	4,800 rpm	3	12167	<b>54.53</b>	9
200 x 50	80	4,800 rpm	3	12168	<b>65.50</b>	9
200 x 50	120	4,800 rpm	3	12170	<b>65.50</b>	9
250 x 25	60	3,800 rpm	2	12197	<b>50.67</b>	9
250 x 25	80	3,800 rpm	2	12198	<b>64.33</b>	9
250 x 25	120	3,800 rpm	2	12200	<b>64.33</b>	9
250 x 30	60	3,800 rpm	2	12212	<b>62.91</b>	9
250 x 30	80	3,800 rpm	2	12213	<b>74.97</b>	9
250 x 30	240	3,800 rpm	2	12219	<b>95.49</b>	9
250 x 50	40	3,800 rpm	1	12225	<b>89.62</b>	9
250 x 50	60	3,800 rpm	1	12227	<b>89.62</b>	9
250 x 50	80	3,800 rpm	1	12228	<b>104.71</b>	9
250 x 50	120	3,800 rpm	1	12230	<b>104.71</b>	9
250 x 50	180	3,800 rpm	1	12232	<b>121.45</b>	9
250 x 50	220	3,800 rpm	1	12233	<b>121.45</b>	9
250 x 50	240	3,800 rpm	1	12234	<b>135.70</b>	9
250 x 50	320	3,800 rpm	1	12236	<b>135.70</b>	9
300 x 50	40	3,200 rpm	1	12285	<b>123.96</b>	9
300 x 50	60	3,200 rpm	1	12287	<b>123.96</b>	9
300 x 50	80	3,200 rpm	1	12288	<b>141.56</b>	9
300 x 50	120	3,200 rpm	1	12290	<b>141.56</b>	9
300 x 50	180	3,200 rpm	1	12292	<b>167.52</b>	9
300 x 50	240	3,200 rpm	1	12294	<b>196.00</b>	9
300 x 50	320	3,200 rpm	1	12296	<b>196.00</b>	9

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	Mounting plate dimension Outside Ø x Bore in mm	Max. enlargement of bore Ø in mm	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 + 140	55 x 10	20	2	14821	<b>3.15</b>	14
165	79 x 12	40	2	14823	<b>4.01</b>	14
200 + 250	121 x 14	50	2	14824	<b>7.61</b>	14
300	155 x 20	50	2	14826	<b>11.66</b>	14
350	195 x 25	80	2	14827	<b>38.54</b>	14
380 + 410	221 x 25,4	80	2	14829	<b>53.01</b>	14

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.

# 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		Price/pc. £		Discount group									
165 x 25 x 25,4						40	5,800 rpm		5		221597		21.61		9									
165 x 25 x 25,4						60	5,800 rpm		5		221596		21.61		9									
165 x 25 x 25,4						80	5,800 rpm		5		221595		23.63		9									
165 x 25 x 25,4						120	5,800 rpm		5		221593		23.63		9									
165 x 25 x 25,4						180	5,800 rpm		5		221591		27.73		9									

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		Price/pc. £		Discount group								
165 x 25 x 13					40		5,800 rpm		5			10030		22.38		9								
165 x 25 x 13					60		5,800 rpm		5			10005		22.38		9								
165 x 25 x 13					80		5,800 rpm		5			10004		24.46		9								
165 x 25 x 13					120		5,800 rpm		5			10006		24.46		9								
165 x 25 x 13					240		5,800 rpm		5			10027		36.44		9								
165 x 50 x 13					40		5,800 rpm		3			10022		33.83		9								
165 x 50 x 13					60		5,800 rpm		3			10017		38.85		9								

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.

# 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	Price/pc. £	Discount group
165 x 50 x 13	80	5,800 rpm	3	10018	<b>40.49</b>	9
165 x 50 x 13	120	5,800 rpm	3	15990	<b>46.49</b>	9
165 x 50 x 13	180	5,800 rpm	3	10014	<b>53.07</b>	9
165 x 50 x 13	240	5,800 rpm	3	10009	<b>59.57</b>	9

Abrasive mop

### MM 650



#### Properties

Bonding agent Resin	
Grain	Aluminium oxide

#### Applications

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Width in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
250 x 50	80	2,300 rpm	2	2750	<b>98.67</b>	9
250 x 50	100	2,300 rpm	2	2486	<b>98.67</b>	9
250 x 50	120	2,300 rpm	2	2485	<b>98.67</b>	9
250 x 50	150	2,300 rpm	2	2483	<b>115.63</b>	9
250 x 50	180	2,300 rpm	2	2482	<b>115.63</b>	9
250 x 100	80	2,300 rpm	1	10210	<b>184.25</b>	9
250 x 100	120	2,300 rpm	1	2740	<b>184.24</b>	9
250 x 100	150	2,300 rpm	1	2741	<b>223.56</b>	9
250 x 100	180	2,300 rpm	1	2742	<b>223.56</b>	9

Use only with mounting plate SMD 612!

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.

# 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	Price/pc. £	Discount group
250	79 x 12	40	2	14823	<b>4.01</b>	14

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	Price/pc. £	Discount group
180 x 25 x 6	80	4,200 rpm	2	262630	<b>32.10</b>	9
180 x 25 x 6	120	4,200 rpm	2	262631	<b>32.10</b>	9
180 x 25 x 6	180	4,200 rpm	2	262632	<b>32.10</b>	9
180 x 50 x 6	80	4,200 rpm	2	262634	<b>38.99</b>	9
180 x 50 x 6	120	4,200 rpm	2	262635	<b>38.99</b>	9
180 x 50 x 6	180	4,200 rpm	2	262636	<b>38.99</b>	9

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.

# 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	Price/pc. £	Discount group
115 x 20	40	M 14	80 m/s	13,300 rpm	2	277014	<b>25.44</b>	9
115 x 20	60	M 14	80 m/s	13,300 rpm	2	277015	<b>25.44</b>	9
115 x 20	80	M 14	80 m/s	13,300 rpm	2	277016	<b>26.96</b>	9
115 x 20	120	M 14	80 m/s	13,300 rpm	2	277017	<b>26.96</b>	9
125 x 20	40	M 14	80 m/s	12,200 rpm	2	277018	<b>26.96</b>	9
125 x 20	60	M 14	80 m/s	12,200 rpm	2	277019	<b>26.96</b>	9
125 x 20	80	M 14	80 m/s	12,200 rpm	2	277020	<b>28.59</b>	9
125 x 20	120	M 14	80 m/s	12,200 rpm	2	277021	<b>28.59</b>	9



**The all-round abrasive mop wheel for the angle grinder**

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

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.**

# 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	Price/pc. £	Discount group																	
165 x 14		40	5,800 rpm	10	10187	<b>37.70</b>	9																	
165 x 14		60	5,800 rpm	10	5830	<b>37.70</b>	9																	
165 x 14		80	5,800 rpm	10	5831	<b>37.70</b>	9																	
165 x 14		120	5,800 rpm	10	73994	<b>37.70</b>	9																	
165 x 14		150	5,800 rpm	10	25998	<b>37.70</b>	9																	
165 x 14		220	5,800 rpm	10	26033	<b>37.70</b>	9																	

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.**

# 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	Price/pc. £	Discount group
165 x 50	80	coarse	3,700 rpm	3	258909	<b>73.05</b>	9
165 x 50	100	medium	3,700 rpm	3	258910	<b>73.05</b>	9
165 x 50	150	medium	3,700 rpm	3	258911	<b>73.05</b>	9
165 x 50	180	very fine	3,700 rpm	3	258912	<b>73.05</b>	9
200 x 50	80	coarse	3,050 rpm	2	258913	<b>128.14</b>	9
200 x 50	100	medium	3,050 rpm	2	258914	<b>128.14</b>	9
200 x 50	150	medium	3,050 rpm	2	258915	<b>128.14</b>	9

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	Price/pc. £	Discount group
165 x 50	coarse	3,700 rpm	3	258898	<b>69.64</b>	9
165 x 50	medium	3,700 rpm	3	258899	<b>69.64</b>	9
165 x 50	very fine	3,700 rpm	3	258900	<b>69.64</b>	9
200 x 50	coarse	3,050 rpm	2	258901	<b>128.97</b>	9
200 x 50	medium	3,050 rpm	2	258902	<b>128.97</b>	9
200 x 50	very fine	3,050 rpm	2	258903	<b>128.97</b>	9

Use only with mounting plate SMD 612!

Recommended prices. Other grits/grades and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.

## 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	Price/pc. £	Discount group
165	79 x 12	40	2	14823	<b>4.01</b>	14
200	121 x 14	50	2	14824	<b>7.61</b>	14

Recommended prices.

# 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	Price/pc. £	Discount group
100 x 50 x 19	40	3,700 rpm	3	60868	22.62	9
100 x 50 x 19	60	3,700 rpm	3	60899	22.62	9
100 x 50 x 19	80	3,700 rpm	3	60943	24.80	9
100 x 50 x 19	120	3,700 rpm	3	61045	24.80	9
100 x 100 x 19	40	3,700 rpm	1	83167	43.13	9
100 x 100 x 19	60	3,700 rpm	1	7325	43.13	9
100 x 100 x 19	80	3,700 rpm	1	7326	47.25	9
100 x 100 x 19	120	3,700 rpm	1	93076	47.25	9
100 x 100 x 19	180	3,700 rpm	1	93021	51.51	9
100 x 100 x 19	240	3,700 rpm	1	104999	58.46	9

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	Price/pc. £	Discount group
100 x 50 x 19	80	coarse	3,700 rpm	3	259896	46.85	9
100 x 50 x 19	100	medium	3,700 rpm	3	259897	46.85	9
100 x 50 x 19	150	medium	3,700 rpm	3	259898	46.85	9
100 x 50 x 19	180	very fine	3,700 rpm	3	259899	46.85	9
100 x 100 x 19	80	coarse	3,700 rpm	1	258905	66.12	9

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.

# 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	Price/pc. £	Discount group
100 x 100 x 19	100	medium	3,700 rpm	1	258906	<b>66.12</b>	9
100 x 100 x 19	150	medium	3,700 rpm	1	258907	<b>66.12</b>	9
100 x 100 x 19	180	very fine	3,700 rpm	1	258908	<b>66.12</b>	9
110 x 100 x 19	80	coarse	3,300 rpm	1	320246	<b>74.21</b>	9
110 x 100 x 19	100	medium	3,300 rpm	1	320247	<b>74.21</b>	9
110 x 100 x 19	150	medium	3,300 rpm	1	320248	<b>74.21</b>	9
110 x 100 x 19	180	very fine	3,300 rpm	1	320249	<b>74.21</b>	9

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 matt or satin finish

Diameter x Width x Bore in mm	Grade	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 x 50 x 19	coarse	3,700 rpm	3	259853	<b>41.63</b>	9
100 x 50 x 19	medium	3,700 rpm	3	259854	<b>41.63</b>	9
100 x 50 x 19	very fine	3,700 rpm	3	259895	<b>41.63</b>	9
100 x 100 x 19	coarse	3,700 rpm	1	258895	<b>64.38</b>	9
100 x 100 x 19	medium	3,700 rpm	1	258896	<b>64.38</b>	9
100 x 100 x 19	very fine	3,700 rpm	1	258897	<b>64.38</b>	9
110 x 100 x 19	coarse	3,300 rpm	1	320253	<b>75.26</b>	9
110 x 100 x 19	medium	3,300 rpm	1	320254	<b>75.26</b>	9
110 x 100 x 19	very fine	3,300 rpm	1	320255	<b>75.26</b>	9

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 165. Please see Applications Guide on page 163 - 167.



# Small abrasive mops

## About the product

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

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

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

## Application examples

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

Type	Material applications															Machine applications			Page
	Metal	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	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	●	●	●	182
KM 615	●	●	●	●	●	●	●	●	●	●			○	○		●	●	●	186
KMT 614	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	●	●	●	187
NCS 600	●	●	●	●	●	●	●	●	●	●					○	●	●	●	187
NFS 600	●	●	●	●	●	●	●	●	●	●						●	●	●	188

● = main application    ○ = possible application

● = main application ○ = possible application

## Minimum order quantities for made to order items

Product	Grit	Minimum order quantities
<b>KM 613</b>	40–320	250 pieces
	from 360	500 pieces
<b>KM 615</b>	40–180	250 pieces

Product	Grit	Minimum order quantities
<b>KMT 614</b>	40–320	250 pieces
	from 360	500 pieces
Product	Diameter in mm	Minimum order quantities
<b>NCS 600/ NFS 600</b>	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 workpiece temperature load
- ▶ can result in tool failure

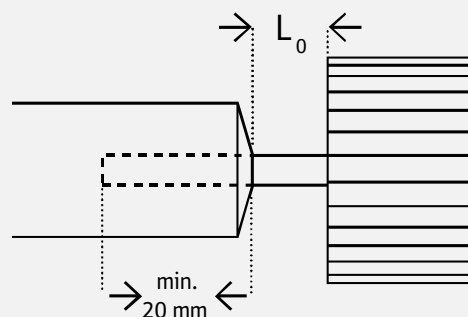
### Surface finish:

- ▶ The wear of the outer edge of the grinding flaps results in the presentation of new sharp abrasive grain, which results in a uniform surface finish
- ▶ The surface roughness decreases through an increase in the cutting rate
- ▶ An increase in the tool / grinding pressure results in a coarser surface 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 <sub>0</sub> = 0 mm	L <sub>0</sub> = 10 mm	L <sub>0</sub> = 20 mm
10	≤ 15	40	76,300	55,000	35,000
15	≤ 25	40	50,500	37,000	28,000
20	≤ 20	40	38,150	28,600	21,900
25	≤ 15	40	30,500	22,900	17,500
30	≤ 15	40	25,400	19,000	14,600
40	≤ 20	40	19,000	14,300	10,900
50	≤ 30	40	15,200	11,400	8,700
60	≤ 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 L<sub>0</sub> (please refer to the table above)

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

# Small abrasive mops

## Abrasive mops

Small abrasive mop

### KM 613



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications

Stainless steel	●
Metals	●
Wood	○
Plastic	○



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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Height x Shaft in mm					Grit	Max. RPM		Packing unit/pcs.			Cat. number			Price/pc. £			Discount group							
10 x 10 x 3					40	76,300 rpm		10			327992			3.65			9							
10 x 10 x 3					60	76,300 rpm		10			327993			3.65			9							
10 x 10 x 3					80	76,300 rpm		10			327994			3.65			9							
10 x 10 x 3					120	76,300 rpm		10			327995			3.65			9							
10 x 10 x 3					180	76,300 rpm		10			327997			3.65			9							
10 x 10 x 3					240	76,300 rpm		10			327998			3.65			9							
10 x 10 x 3					320	76,300 rpm		10			327999			3.65			9							
20 x 10 x 3					40	38,150 rpm		25			325947			3.10			9							
20 x 10 x 3					60	38,150 rpm		25			325948			3.10			9							
20 x 10 x 3					80	38,150 rpm		25			305324			3.10			9							
20 x 10 x 3					120	38,150 rpm		25			307342			3.11			9							
20 x 10 x 3					180	38,150 rpm		25			305888			3.11			9							
20 x 10 x 3					240	38,150 rpm		25			307343			3.11			9							
20 x 10 x 3					320	38,150 rpm		25			307344			3.11			9							
20 x 10 x 6					40	38,150 rpm		25			284729			3.10			9							
20 x 10 x 6					60	38,150 rpm		25			284730			3.10			9							
20 x 10 x 6					80	38,150 rpm		25			284731			3.10			9							
20 x 10 x 6					120	38,150 rpm		25			284732			3.11			9							
20 x 10 x 6					180	38,150 rpm		25			284733			3.11			9							
20 x 10 x 6					240	38,150 rpm		25			284734			3.11			9							
20 x 10 x 6					320	38,150 rpm		25			284735			3.11			9							
20 x 15 x 6					40	38,150 rpm		25			284736			3.15			9							
20 x 15 x 6					60	38,150 rpm		25			284737			3.15			9							
20 x 15 x 6					80	38,150 rpm		25			284738			3.15			9							
20 x 15 x 6					120	38,150 rpm		25			284739			3.17			9							
20 x 15 x 6					180	38,150 rpm		25			284740			3.17			9							
20 x 15 x 6					240	38,150 rpm		25			284741			3.18			9							
20 x 20 x 6					40	38,150 rpm		25			284743			3.21			9							
20 x 20 x 6					60	38,150 rpm		25			284744			3.21			9							
20 x 20 x 6					80	38,150 rpm		25			284745			3.21			9							
20 x 20 x 6					120	38,150 rpm		25			284746			3.22			9							
20 x 20 x 6					180	38,150 rpm		25			284747			3.22			9							
20 x 20 x 6					240	38,150 rpm		25			284748			3.24			9							
20 x 20 x 6					320	38,150 rpm		25			284749			3.24			9							

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 180. Please see Applications Guide on page 180 - 181.

Continuation →

# Small abrasive mops

## Abrasive mops



→ Continuation of KM 613, Small abrasive mop

Diameter x Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
25 x 10 x 6	40	30,500 rpm	10	253816	<b>3.13</b>	9
25 x 10 x 6	60	30,500 rpm	10	253591	<b>3.13</b>	9
25 x 10 x 6	80	30,500 rpm	10	253592	<b>3.13</b>	9
25 x 10 x 6	120	30,500 rpm	10	253593	<b>3.14</b>	9
25 x 10 x 6	150	30,500 rpm	10	253594	<b>3.14</b>	9
25 x 10 x 6	240	30,500 rpm	10	253605	<b>3.17</b>	9
25 x 15 x 6	40	30,500 rpm	10	253817	<b>3.33</b>	9
25 x 15 x 6	60	30,500 rpm	10	250985	<b>3.33</b>	9
25 x 15 x 6	80	30,500 rpm	10	237496	<b>3.33</b>	9
25 x 15 x 6	120	30,500 rpm	10	253606	<b>3.34</b>	9
25 x 15 x 6	150	30,500 rpm	10	253607	<b>3.34</b>	9
25 x 15 x 6	240	30,500 rpm	10	253608	<b>3.36</b>	9
30 x 5 x 3	60	25,400 rpm	10	12781	<b>3.14</b>	9
30 x 5 x 3	80	25,400 rpm	10	12782	<b>3.14</b>	9
30 x 5 x 3	120	25,400 rpm	10	12784	<b>3.15</b>	9
30 x 5 x 3	240	25,400 rpm	10	12787	<b>3.17</b>	9
30 x 5 x 6	60	25,400 rpm	10	12790	<b>3.14</b>	9
30 x 5 x 6	80	25,400 rpm	10	12791	<b>3.14</b>	9
30 x 5 x 6	120	25,400 rpm	10	12793	<b>3.15</b>	9
30 x 5 x 6	150	25,400 rpm	10	12794	<b>3.15</b>	9
30 x 5 x 6	240	25,400 rpm	10	12796	<b>3.17</b>	9
30 x 10 x 3	60	25,400 rpm	10	12808	<b>3.21</b>	9
30 x 10 x 3	80	25,400 rpm	10	12809	<b>3.21</b>	9
30 x 10 x 3	120	25,400 rpm	10	12811	<b>3.24</b>	9
30 x 10 x 3	240	25,400 rpm	10	12814	<b>3.25</b>	9
30 x 10 x 6	40	25,400 rpm	10	12816	<b>3.21</b>	9
30 x 10 x 6	60	25,400 rpm	10	12817	<b>3.21</b>	9
30 x 10 x 6	80	25,400 rpm	10	12818	<b>3.21</b>	9
30 x 10 x 6	100	25,400 rpm	10	12819	<b>3.24</b>	9
30 x 10 x 6	120	25,400 rpm	10	12820	<b>3.24</b>	9
30 x 10 x 6	150	25,400 rpm	10	12821	<b>3.24</b>	9
30 x 10 x 6	180	25,400 rpm	10	12822	<b>3.24</b>	9
30 x 10 x 6	240	25,400 rpm	10	12823	<b>3.25</b>	9
30 x 10 x 6	320	25,400 rpm	10	12824	<b>3.25</b>	9
30 x 15 x 6	40	25,400 rpm	10	12843	<b>3.53</b>	9
30 x 15 x 6	60	25,400 rpm	10	12844	<b>3.53</b>	9
30 x 15 x 6	80	25,400 rpm	10	12845	<b>3.53</b>	9
30 x 15 x 6	100	25,400 rpm	10	12846	<b>3.55</b>	9
30 x 15 x 6	120	25,400 rpm	10	12847	<b>3.55</b>	9
30 x 15 x 6	150	25,400 rpm	10	12848	<b>3.55</b>	9
30 x 15 x 6	180	25,400 rpm	10	12849	<b>3.55</b>	9
30 x 15 x 6	240	25,400 rpm	10	12850	<b>3.56</b>	9
30 x 15 x 6	320	25,400 rpm	10	12851	<b>3.56</b>	9
40 x 10 x 6	40	19,000 rpm	10	12870	<b>3.53</b>	9
40 x 10 x 6	60	19,000 rpm	10	12871	<b>3.53</b>	9
40 x 10 x 6	80	19,000 rpm	10	12872	<b>3.53</b>	9
40 x 10 x 6	120	19,000 rpm	10	12874	<b>3.55</b>	9
40 x 10 x 6	150	19,000 rpm	10	12875	<b>3.55</b>	9
40 x 10 x 6	240	19,000 rpm	10	12877	<b>3.56</b>	9
40 x 15 x 6	40	19,000 rpm	10	12906	<b>3.61</b>	9
40 x 15 x 6	60	19,000 rpm	10	12907	<b>3.61</b>	9

Continuation →

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 180. Please see Applications Guide on page 180 - 181.**

# Small abrasive mops

## Abrasive mops

→ Continuation of KM 613, Small abrasive mop

Diameter x Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
40 x 15 x 6	80	19,000 rpm	10	12908	<b>3.61</b>	9
40 x 15 x 6	100	19,000 rpm	10	12909	<b>3.65</b>	9
40 x 15 x 6	120	19,000 rpm	10	12910	<b>3.65</b>	9
40 x 15 x 6	150	19,000 rpm	10	12911	<b>3.65</b>	9
40 x 15 x 6	180	19,000 rpm	10	12912	<b>3.65</b>	9
40 x 15 x 6	240	19,000 rpm	10	12913	<b>3.65</b>	9
40 x 15 x 6	320	19,000 rpm	10	12914	<b>3.65</b>	9
40 x 20 x 6	40	19,000 rpm	10	12942	<b>3.79</b>	9
40 x 20 x 6	60	19,000 rpm	10	12943	<b>3.79</b>	9
40 x 20 x 6	80	19,000 rpm	10	12944	<b>3.79</b>	9
40 x 20 x 6	100	19,000 rpm	10	12945	<b>3.80</b>	9
40 x 20 x 6	120	19,000 rpm	10	12946	<b>3.80</b>	9
40 x 20 x 6	150	19,000 rpm	10	12947	<b>3.80</b>	9
40 x 20 x 6	180	19,000 rpm	10	12948	<b>3.80</b>	9
40 x 20 x 6	240	19,000 rpm	10	12949	<b>3.83</b>	9
40 x 20 x 6	320	19,000 rpm	10	12950	<b>3.83</b>	9
50 x 5 x 6	60	15,200 rpm	10	135235	<b>5.70</b>	9
50 x 5 x 6	80	15,200 rpm	10	136451	<b>5.70</b>	9
50 x 5 x 6	120	15,200 rpm	10	251778	<b>5.73</b>	9
50 x 5 x 6	150	15,200 rpm	10	149046	<b>5.73</b>	9
50 x 5 x 6	240	15,200 rpm	10	149047	<b>5.77</b>	9
50 x 10 x 6	40	15,200 rpm	10	12960	<b>3.45</b>	9
50 x 10 x 6	60	15,200 rpm	10	12961	<b>3.45</b>	9
50 x 10 x 6	80	15,200 rpm	10	12962	<b>3.45</b>	9
50 x 10 x 6	120	15,200 rpm	10	12964	<b>3.48</b>	9
50 x 10 x 6	150	15,200 rpm	10	12965	<b>3.48</b>	9
50 x 10 x 6	240	15,200 rpm	10	12967	<b>3.51</b>	9
50 x 15 x 6	40	15,200 rpm	10	12978	<b>3.97</b>	9
50 x 15 x 6	60	15,200 rpm	10	12979	<b>3.97</b>	9
50 x 15 x 6	80	15,200 rpm	10	12980	<b>3.97</b>	9
50 x 15 x 6	120	15,200 rpm	10	12982	<b>3.98</b>	9
50 x 15 x 6	150	15,200 rpm	10	12983	<b>3.98</b>	9
50 x 15 x 6	240	15,200 rpm	10	12985	<b>4.02</b>	9
50 x 20 x 6	40	15,200 rpm	10	12996	<b>4.29</b>	9
50 x 20 x 6	60	15,200 rpm	10	12997	<b>4.29</b>	9
50 x 20 x 6	80	15,200 rpm	10	12998	<b>4.29</b>	9
50 x 20 x 6	100	15,200 rpm	10	12999	<b>4.30</b>	9
50 x 20 x 6	120	15,200 rpm	10	13000	<b>4.30</b>	9
50 x 20 x 6	150	15,200 rpm	10	13001	<b>4.30</b>	9
50 x 20 x 6	180	15,200 rpm	10	13002	<b>4.30</b>	9
50 x 20 x 6	240	15,200 rpm	10	13003	<b>4.33</b>	9
50 x 20 x 6	320	15,200 rpm	10	13004	<b>4.33</b>	9
50 x 30 x 6	40	15,200 rpm	10	61282	<b>4.81</b>	9
50 x 30 x 6	60	15,200 rpm	10	61299	<b>4.81</b>	9
50 x 30 x 6	80	15,200 rpm	10	61319	<b>4.81</b>	9
50 x 30 x 6	100	15,200 rpm	10	61333	<b>4.83</b>	9
50 x 30 x 6	120	15,200 rpm	10	61350	<b>4.83</b>	9
50 x 30 x 6	150	15,200 rpm	10	71015	<b>4.83</b>	9
50 x 30 x 6	180	15,200 rpm	10	61371	<b>4.83</b>	9
50 x 30 x 6	240	15,200 rpm	10	71017	<b>4.86</b>	9
50 x 30 x 6	320	15,200 rpm	10	61389	<b>4.86</b>	9

Continuation →

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 180. Please see Applications Guide on page 180 - 181.**

# Small abrasive mops

## Abrasive mops



→ Continuation of KM 613, Small abrasive mop

Diameter x Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
60 x 15 x 6	40	12,700 rpm	10	13014	4.20	9
60 x 15 x 6	60	12,700 rpm	10	13015	4.20	9
60 x 15 x 6	80	12,700 rpm	10	13016	4.20	9
60 x 15 x 6	120	12,700 rpm	10	13018	4.21	9
60 x 15 x 6	150	12,700 rpm	10	13019	4.21	9
60 x 15 x 6	240	12,700 rpm	10	13021	4.22	9
60 x 20 x 6	40	12,700 rpm	10	13032	4.74	9
60 x 20 x 6	60	12,700 rpm	10	13033	4.74	9
60 x 20 x 6	80	12,700 rpm	10	13034	4.74	9
60 x 20 x 6	120	12,700 rpm	10	13036	4.74	9
60 x 20 x 6	150	12,700 rpm	10	13037	4.74	9
60 x 20 x 6	180	12,700 rpm	10	13038	4.74	9
60 x 20 x 6	240	12,700 rpm	10	13039	4.78	9
60 x 30 x 6	40	12,700 rpm	10	13050	5.04	9
60 x 30 x 6	60	12,700 rpm	10	13051	5.04	9
60 x 30 x 6	80	12,700 rpm	10	13052	5.04	9
60 x 30 x 6	100	12,700 rpm	10	13053	5.06	9
60 x 30 x 6	120	12,700 rpm	10	13054	5.06	9
60 x 30 x 6	150	12,700 rpm	10	13055	5.06	9
60 x 30 x 6	180	12,700 rpm	10	13056	5.06	9
60 x 30 x 6	240	12,700 rpm	10	13057	5.08	9
60 x 30 x 6	320	12,700 rpm	10	13058	5.08	9
60 x 40 x 6	40	12,700 rpm	10	13068	6.23	9
60 x 40 x 6	60	12,700 rpm	10	13069	6.23	9
60 x 40 x 6	80	12,700 rpm	10	13070	6.23	9
60 x 40 x 6	100	12,700 rpm	10	13071	6.25	9
60 x 40 x 6	120	12,700 rpm	10	13072	6.25	9
60 x 40 x 6	150	12,700 rpm	10	13073	6.25	9
60 x 40 x 6	240	12,700 rpm	10	13075	6.28	9
60 x 50 x 6	40	12,700 rpm	10	13086	7.11	9
60 x 50 x 6	60	12,700 rpm	10	13087	7.11	9
60 x 50 x 6	80	12,700 rpm	10	13088	7.11	9
60 x 50 x 6	120	12,700 rpm	10	13090	7.16	9
60 x 50 x 6	180	12,700 rpm	10	13092	7.16	9
60 x 50 x 6	240	12,700 rpm	10	13093	7.19	9
60 x 50 x 6	320	12,700 rpm	10	13094	7.19	9
80 x 15 x 6	40	9,500 rpm	10	13104	5.16	9
80 x 15 x 6	60	9,500 rpm	10	13105	5.16	9
80 x 15 x 6	80	9,500 rpm	10	13106	5.16	9
80 x 15 x 6	120	9,500 rpm	10	13108	5.17	9
80 x 15 x 6	150	9,500 rpm	10	13109	5.17	9
80 x 15 x 6	240	9,500 rpm	10	13111	5.20	9
80 x 20 x 6	40	9,500 rpm	10	13122	5.71	9
80 x 20 x 6	60	9,500 rpm	10	13123	5.71	9
80 x 20 x 6	80	9,500 rpm	10	13124	5.71	9
80 x 20 x 6	120	9,500 rpm	10	13126	5.75	9
80 x 30 x 6	40	9,500 rpm	10	13140	7.28	9
80 x 30 x 6	60	9,500 rpm	10	13141	7.28	9
80 x 30 x 6	80	9,500 rpm	10	13142	7.28	9
80 x 30 x 6	100	9,500 rpm	10	13143	7.32	9
80 x 30 x 6	120	9,500 rpm	10	13144	7.32	9

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 180. Please see Applications Guide on page 180 - 181.

# Small abrasive mops

## Abrasive mops

→ Continuation of KM 613, Small abrasive mop

Diameter x Height x Shaft in mm	Grit	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
80 x 30 x 6	150	9,500 rpm	10	13145	<b>7.32</b>	9
80 x 30 x 6	240	9,500 rpm	10	13147	<b>7.36</b>	9
80 x 30 x 6	320	9,500 rpm	10	13148	<b>7.36</b>	9
80 x 40 x 6	40	9,500 rpm	10	13158	<b>8.96</b>	9
80 x 40 x 6	60	9,500 rpm	10	13159	<b>8.96</b>	9
80 x 40 x 6	80	9,500 rpm	10	13160	<b>8.96</b>	9
80 x 40 x 6	120	9,500 rpm	10	13162	<b>8.99</b>	9
80 x 50 x 6	40	8,400 rpm	10	13176	<b>10.10</b>	9
80 x 50 x 6	60	8,400 rpm	10	13177	<b>10.10</b>	9
80 x 50 x 6	80	8,400 rpm	10	13178	<b>10.10</b>	9
80 x 50 x 6	100	8,400 rpm	10	13179	<b>10.15</b>	9
80 x 50 x 6	120	8,400 rpm	10	13180	<b>10.15</b>	9
80 x 50 x 6	150	8,400 rpm	10	13181	<b>10.15</b>	9
80 x 50 x 6	240	8,400 rpm	10	13183	<b>10.21</b>	9
80 x 50 x 6	320	8,400 rpm	10	13184	<b>10.21</b>	9

Small abrasive mop

### KM 615



#### Properties

Bonding agent Resin  
Grain Aluminium oxide

#### Applications

Stainless steel ●



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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Height x Shaft in mm					Grit	Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group										
30 x 10 x 6					60	25,400 rpm		10		253615		3.79		9										
30 x 10 x 6					80	25,400 rpm		10		253620		3.79		9										
30 x 10 x 6					120	25,400 rpm		10		253610		3.80		9										
40 x 20 x 6					60	19,000 rpm		10		253616		4.47		9										
40 x 20 x 6					80	19,000 rpm		10		253621		4.47		9										
40 x 20 x 6					120	19,000 rpm		10		253611		4.48		9										
50 x 20 x 6					60	15,200 rpm		10		253617		5.03		9										
50 x 20 x 6					80	15,200 rpm		10		253622		5.03		9										
50 x 20 x 6					120	15,200 rpm		10		253612		5.06		9										
60 x 30 x 6					60	12,700 rpm		10		253618		5.91		9										
60 x 30 x 6					80	12,700 rpm		10		253623		5.91		9										
60 x 30 x 6					120	12,700 rpm		10		253613		5.94		9										
80 x 40 x 6					60	9,500 rpm		10		253619		10.49		9										
80 x 40 x 6					80	9,500 rpm		10		253624		10.49		9										
80 x 40 x 6					120	9,500 rpm		10		253614		10.53		9										

Recommended prices. **Other grits and sizes available on request.**

**Please observe: Minimum order quantities for made to order items see page 180. Please see Applications Guide on page 180 - 181.**

# Small abrasive mops

## Abrasive mops



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	Price/pc. £	Discount group
60 x 40 x 6	40	10,200 rpm	10	13194	<b>8.98</b>	9
60 x 40 x 6	60	10,200 rpm	10	13195	<b>8.98</b>	9
60 x 40 x 6	80	10,200 rpm	10	13196	<b>8.98</b>	9
60 x 40 x 6	120	10,200 rpm	10	13198	<b>9.02</b>	9

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	Price/pc. £	Discount group
50 x 30 x 6	60	coarse	12,200 rpm	10	258932	<b>10.52</b>	9
50 x 30 x 6	100	medium	12,200 rpm	10	258933	<b>10.52</b>	9
50 x 30 x 6	150	medium	12,200 rpm	10	258934	<b>10.52</b>	9
50 x 30 x 6	240	very fine	12,200 rpm	10	258935	<b>10.52</b>	9
60 x 30 x 6	60	coarse	10,000 rpm	10	258936	<b>12.87</b>	9
60 x 30 x 6	100	medium	10,000 rpm	10	258937	<b>12.87</b>	9
60 x 30 x 6	150	medium	10,000 rpm	10	258938	<b>12.87</b>	9
60 x 30 x 6	240	very fine	10,000 rpm	10	258939	<b>12.87</b>	9
60 x 50 x 6	60	coarse	10,000 rpm	10	258940	<b>15.31</b>	9
60 x 50 x 6	100	medium	10,000 rpm	10	258941	<b>15.31</b>	9
60 x 50 x 6	150	medium	10,000 rpm	10	258942	<b>15.31</b>	9

Continuation →

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 180. Please see Applications Guide on page 180 - 181.

# Small abrasive mops

## Abrasive mops

→ Continuation of NCS 600, Abrasive mop

Diameter x Height x Shaft in mm	Grit	Grade	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
60 x 50 x 6	240	very fine	10,000 rpm	10	258943	<b>15.31</b>	9
80 x 50 x 6	60	coarse	7,600 rpm	10	258944	<b>19.29</b>	9
80 x 50 x 6	100	medium	7,600 rpm	10	258945	<b>19.29</b>	9
80 x 50 x 6	150	medium	7,600 rpm	10	258946	<b>19.29</b>	9
80 x 50 x 6	240	very fine	7,600 rpm	10	258947	<b>19.29</b>	9
100 x 50 x 6	60	coarse	6,000 rpm	4	258948	<b>34.29</b>	9
100 x 50 x 6	100	medium	6,000 rpm	4	258949	<b>34.29</b>	9
100 x 50 x 6	150	medium	6,000 rpm	4	258950	<b>34.29</b>	9
100 x 50 x 6	240	very fine	6,000 rpm	4	258951	<b>34.29</b>	9

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	Price/pc. £	Discount group
50 x 30 x 6	coarse	12,200 rpm	10	258917	<b>11.60</b>	9
50 x 30 x 6	medium	12,200 rpm	10	258918	<b>11.60</b>	9
50 x 30 x 6	very fine	12,200 rpm	10	258919	<b>11.60</b>	9
60 x 30 x 6	coarse	10,000 rpm	10	258920	<b>14.07</b>	9
60 x 30 x 6	medium	10,000 rpm	10	258921	<b>14.07</b>	9
60 x 30 x 6	very fine	10,000 rpm	10	258922	<b>14.07</b>	9
60 x 50 x 6	coarse	10,000 rpm	10	258923	<b>16.72</b>	9
60 x 50 x 6	medium	10,000 rpm	10	258924	<b>16.72</b>	9
60 x 50 x 6	very fine	10,000 rpm	10	258925	<b>16.72</b>	9
80 x 50 x 6	coarse	7,600 rpm	10	258926	<b>20.89</b>	9
80 x 50 x 6	medium	7,600 rpm	10	258927	<b>20.89</b>	9
80 x 50 x 6	very fine	7,600 rpm	10	258928	<b>20.89</b>	9
100 x 50 x 6	coarse	6,000 rpm	4	258929	<b>35.00</b>	9
100 x 50 x 6	medium	6,000 rpm	4	258930	<b>35.00</b>	9
100 x 50 x 6	very fine	6,000 rpm	4	258931	<b>35.00</b>	9

Recommended prices. Other grits and sizes available on request.

Please observe: Minimum order quantities for made to order items see page 180. Please see Applications Guide on page 180 - 181.





# Abrasive mop discs

## About the product

Since their market launch, the Klingspor abrasive mop disc has successfully taken the place of the grinding disc in many areas of surface finishing.

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

Klingspor abrasive mop discs are made of zirconia alumina, ceramic, or aluminium oxide coated flaps fastened to glass fibre-reinforced or plastic backing plates.

The even arrangement of the flaps guarantees high flexibility, constant high grinding performance and low vibrations.

## Minimum order quantities for made to order items

Diameter	Min. order quantities
up to 180 mm	320 pieces

Application	Material						
	Metal universal / steel		Stainless steel (INOX), high alloy stainless steel		Aluminium, NF-metals		Paint, varnishes, plastics, wood
	Type	Design	Type	Design	Type	Design	Type
Finish grinding	<i>SMT 324 EXTRA</i>	flat	<i>SMT 628 SUPRA</i>	flat			
	<i>SMT 325 EXTRA</i>	flat	<i>SMT 925 SPECIAL</i>	flat			
	<i>SMT 628 SUPRA</i>	flat	<i>SMT 645 SUPRA</i>	flat			
	<i>SMT 925 SPECIAL</i>	flat	<i>SMT 688 SPECIAL</i>	flat			
	<i>SMT 645 SUPRA</i>	flat	<i>SMT 636 SUPRA</i>	flat	<i>SMT 636 SUPRA</i>	flat	
	<i>SMT 688 SPECIAL</i>	flat	<i>SMT 996 SPECIAL</i>	flat			
Welded seam work			<i>SMT 800 SPECIAL</i>	convex			
	<i>SMT 324 EXTRA</i>	convex	<i>SMT 624 SUPRA</i>	convex	<i>SMT 314 EXTRA</i>	convex	
	<i>SMT 325 EXTRA</i>	convex	<i>SMT 626 SUPRA</i>	convex	<i>SMT 636 SUPRA</i>	convex	
	<i>SMT 624 SUPRA</i>	convex	<i>SMT 636 SUPRA</i>	convex			
	<i>SMT 626 SUPRA</i>	convex	<i>SMT 996 SPECIAL</i>	convex			
	<i>SMT 926 SPECIAL</i>	convex					
	<i>SMT 850 plus SPECIAL</i>	convex					
Edge work; bevelling	<i>SMT 924 SPECIAL</i>	convex					
	<i>SMT 324 EXTRA</i>	convex	<i>SMT 624 SUPRA</i>	convex	<i>SMT 314 EXTRA</i>	convex	
	<i>SMT 325 EXTRA</i>	convex	<i>SMT 626 SUPRA</i>	convex			
	<i>SMT 624 SUPRA</i>	convex	<i>SMT 314 EXTRA</i>	convex			
	<i>SMT 626 SUPRA</i>	convex	<i>SMT 636 SUPRA</i>	convex	<i>SMT 636 SUPRA</i>	convex	
	<i>SMT 314 EXTRA</i>	convex	<i>SMT 926 SPECIAL</i>	convex			
	<i>SMT 926 SPECIAL</i>	convex	<i>SMT 996 SPECIAL</i>	convex			
Concave fillet weld work	<i>SMT 924 SPECIAL</i>	convex					
	<i>SMT 688 SPECIAL</i>	flat	<i>SMT 688 SPECIAL</i>	flat			
Rust and varnish removal			<i>MFV 600 SPECIAL</i>				
	<i>SMT 800 SPECIAL</i>	convex	<i>SMT 800 SPECIAL</i>	convex	<i>SMT 800 SPECIAL</i>	convex	
	<i>NCD 200 SPECIAL</i>		<i>NCD 200 SPECIAL</i>		<i>NCD 200 SPECIAL</i>		<i>NCD 200 SPECIAL</i>
Heat tinting and oxide film removal	<i>PW 2000</i>		<i>PW 2000</i>		<i>PW 2000</i>		<i>PW 2000</i>
			<i>SMT 800 SPECIAL</i>	convex	<i>SMT 800 SPECIAL</i>	convex	
			<i>NCD 200 SPECIAL</i>		<i>NCD 200 SPECIAL</i>		
			<i>PW 2000</i>		<i>PW 2000</i>		

# Abrasive mop discs

## Applications guide

### 1. Red bar

Label indicates the max. peripheral speed of 80 m/s

### 2. Safety recommendations

oSa label

### 3. Dimensions

Product dimensions in 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

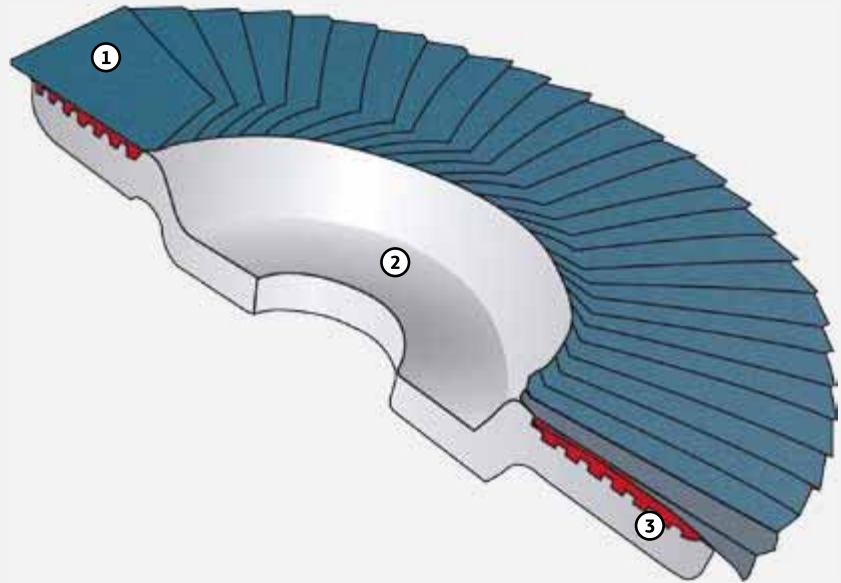
Klingspor has developed special coated abrasives for its abrasive mop discs. The grinding tool is perfect for use with high speed angle grinders (80 m/s) and corresponding applications. This ensures top grinding performance and long service life.

### 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.

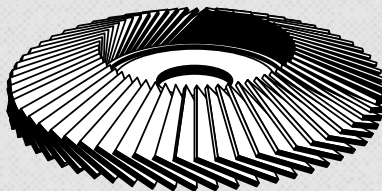
### 3. Glue

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.

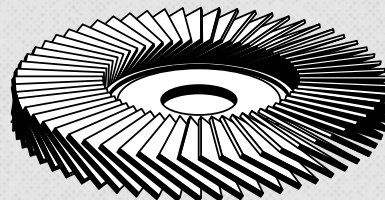


## Form

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



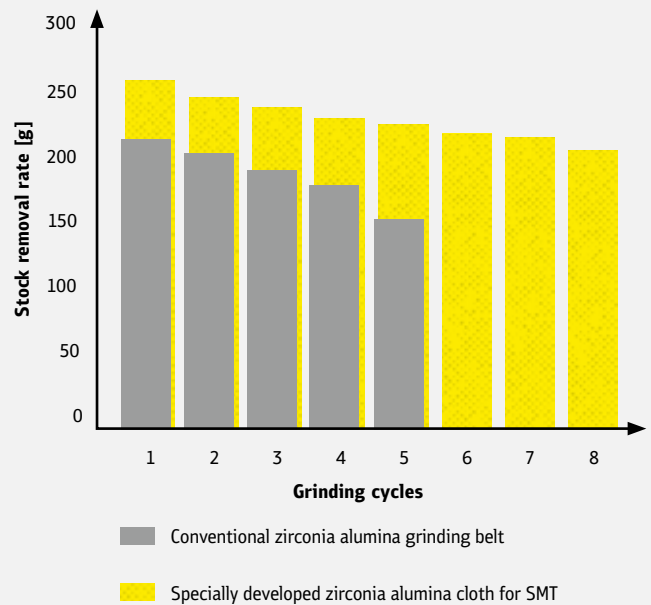
# Abrasive mop discs

## Applications guide

### Coated abrasives

Compared to belt applications the coated abrasives for abrasive mop discs withstand much higher loads. On the one hand, the cutting speed of abrasive mop discs is 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, cotton cloth, good stock removal with angle grinders of all performance classes

#### 3. Zirconia alumina + Multibond

Self-sharpening zirconia alumina grit, cotton backing, especially for cool grinding on stainless steel

#### 4. Aluminium oxide cloth

Durable grit aluminium oxide, cotton cloth, for use with metal and NF-metals

#### 5. Ceramic aluminium oxide + Multibond

Ceramic high performance grit, robust polyester backing high performance for stainless steel work, cool grinding on stainless steel surfaces

#### 6. Ceramic aluminium oxide

Ceramic high performance grit, robust polyester backing, high performance for steel work



### The safe use of Klingspor abrasives

Klingspor abrasive mop discs are manufactured according to the oSa and EN13743 standards, this ensures the highest level of user safety.



Wear safety goggles or glasses to protect the eyes



Wear safety gloves to protect hands



Wear a dust mask



Observe safety instructions



Use ear muffs



Do not use for wet grinding



Correctly mounted














Incorrectly mounted

# Abrasive mop discs

Applications guide



## 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 (6°)		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 discs

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

**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		Price/pc. £		Discount group									
115 x 22,23				36	80 m/s		13,300 rpm		10		322808		4.16		10									
115 x 22,23				40	80 m/s		13,300 rpm		10		322809		4.16		10									
115 x 22,23				60	80 m/s		13,300 rpm		10		322811		4.16		10									
115 x 22,23				80	80 m/s		13,300 rpm		10		322812		4.16		10									
115 x 22,23				120	80 m/s		13,300 rpm		10		322813		4.16		10									
125 x 22,23				36	80 m/s		12,200 rpm		10		322814		4.90		10									
125 x 22,23				40	80 m/s		12,200 rpm		10		322815		4.90		10									
125 x 22,23				60	80 m/s		12,200 rpm		10		322817		4.90		10									
125 x 22,23				80	80 m/s		12,200 rpm		10		322818		4.90		10									
125 x 22,23				120	80 m/s		12,200 rpm		10		322819		4.90		10									
180 x 22,23				36	80 m/s		8,500 rpm		10		322820		9.55		10									
180 x 22,23				40	80 m/s		8,500 rpm		10		322821		9.55		10									
180 x 22,23				60	80 m/s		8,500 rpm		10		322822		9.55		10									
180 x 22,23				80	80 m/s		8,500 rpm		10		322823		9.55		10									

Recommended prices.

**Please observe:** Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

Abrasive mop disc

## SMT 324 EXTRA



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













Applications	
Stainless steel	●
Steel	●



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		Price/pc. £		Discount group										
115 x 22,23			40	80 m/s		13,300 rpm		10		321509		4.37		10										
115 x 22,23			60	80 m/s		13,300 rpm		10		321511		4.37		10										
115 x 22,23			80	80 m/s		13,300 rpm		10		321513		4.37		10										
115 x 22,23			40	80 m/s		13,300 rpm		10		321645		4.37		10										
115 x 22,23			60	80 m/s		13,300 rpm		10		321647		4.37		10										
115 x 22,23			80	80 m/s		13,300 rpm		10		321649		4.37		10										
125 x 22,23			40	80 m/s		12,200 rpm		10		321510		5.15		10										
125 x 22,23			60	80 m/s		12,200 rpm		10		321512		5.15		10										
125 x 22,23			80	80 m/s		12,200 rpm		10		321514		5.15		10										
125 x 22,23			40	80 m/s		12,200 rpm		10		321646		5.15		10										
125 x 22,23			60	80 m/s		12,200 rpm		10		321648		5.15		10										
125 x 22,23			80	80 m/s		12,200 rpm		10		321650		5.15		10										

Recommended prices.

Please observe: Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

## Abrasive mop discs

Abrasive mop disc

# SMT 325

## EXTRA



**Quality** EXTRA

**Aggression** ■■■■■■□

**Service life** ■■■■■■□

**Applications**

Stainless steel ●

Steel ●



**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
Diameter x Bore in mm		Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group										
115 x 22,23			40	80 m/s		13,300 rpm		10		321659		4.16		10										
115 x 22,23			60	80 m/s		13,300 rpm		10		321661		4.16		10										
115 x 22,23			80	80 m/s		13,300 rpm		10		321663		4.16		10										
115 x 22,23			40	80 m/s		13,300 rpm		10		321653		4.16		10										
115 x 22,23			60	80 m/s		13,300 rpm		10		321655		4.16		10										
115 x 22,23			80	80 m/s		13,300 rpm		10		321657		4.16		10										
125 x 22,23			40	80 m/s		12,200 rpm		10		321660		4.92		10										
125 x 22,23			60	80 m/s		12,200 rpm		10		321662		4.92		10										
125 x 22,23			80	80 m/s		12,200 rpm		10		321664		4.92		10										
125 x 22,23			40	80 m/s		12,200 rpm		10		321654		4.92		10										
125 x 22,23			60	80 m/s		12,200 rpm		10		321656		4.92		10										
125 x 22,23			80	80 m/s		12,200 rpm		10		321658		4.92		10										

Recommended prices.

**Please observe:** Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.



## Abrasive mop discs

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

**Advantages:** Especially suitable for surface grinding of steel and stainless steel - Optimal removal rate when used on high power angle grinders - Aggressive stock removal rate and comfortable grinding behaviour

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm		Form		Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group									
115 x 22,23				36	80 m/s		13,300 rpm		10		322789		5.22		10									
115 x 22,23				40	80 m/s		13,300 rpm		10		322790		5.22		10									
115 x 22,23				60	80 m/s		13,300 rpm		10		322792		5.22		10									
115 x 22,23				80	80 m/s		13,300 rpm		10		322793		5.22		10									
115 x 22,23				120	80 m/s		13,300 rpm		10		322794		5.22		10									
125 x 22,23				36	80 m/s		12,200 rpm		10		322795		6.16		10									
125 x 22,23				40	80 m/s		12,200 rpm		10		322796		6.16		10									
125 x 22,23				60	80 m/s		12,200 rpm		10		322798		6.16		10									
125 x 22,23				80	80 m/s		12,200 rpm		10		322799		6.16		10									
125 x 22,23				120	80 m/s		12,200 rpm		10		322800		6.16		10									
180 x 22,23				36	80 m/s		8,500 rpm		10		322802		12.00		10									
180 x 22,23				40	80 m/s		8,500 rpm		10		322803		12.00		10									
180 x 22,23				60	80 m/s		8,500 rpm		10		322805		12.00		10									
180 x 22,23				80	80 m/s		8,500 rpm		10		322806		12.00		10									

Recommended prices.

**Please observe:** Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

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
Diameter x Bore in mm		Form		Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group									
100 x 16				40	80 m/s		15,300 rpm		10		321700		4.96		10									
100 x 16				60	80 m/s		15,300 rpm		10		321681		4.96		10									
100 x 16				80	80 m/s		15,300 rpm		10		321682		4.96		10									
115 x 22,23				36	80 m/s		13,300 rpm		10		321686		5.17		10									
115 x 22,23				40	80 m/s		13,300 rpm		10		321689		5.17		10									
115 x 22,23				50	80 m/s		13,300 rpm		10		321692		5.17		10									
115 x 22,23				60	80 m/s		13,300 rpm		10		321694		5.17		10									
115 x 22,23				80	80 m/s		13,300 rpm		10		321697		5.17		10									
115 x 22,23				120	80 m/s		13,300 rpm		10		321683		5.17		10									
125 x 22,23				36	80 m/s		12,200 rpm		10		321687		6.09		10									
125 x 22,23				40	80 m/s		12,200 rpm		10		321690		6.09		10									
125 x 22,23				50	80 m/s		12,200 rpm		10		321693		6.09		10									
125 x 22,23				60	80 m/s		12,200 rpm		10		321695		6.09		10									
125 x 22,23				80	80 m/s		12,200 rpm		10		321698		6.09		10									
125 x 22,23				120	80 m/s		12,200 rpm		10		321684		6.09		10									
180 x 22,23				36	80 m/s		8,500 rpm		10		321688		11.87		10									
180 x 22,23				40	80 m/s		8,500 rpm		10		321691		11.87		10									
180 x 22,23				60	80 m/s		8,500 rpm		10		321696		11.87		10									
180 x 22,23				80	80 m/s		8,500 rpm		10		321699		11.87		10									

Recommended prices.

**Please observe:** Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

## Abrasive mop discs

Abrasive mop disc, multibond

### SMT 636

#### SUPRA



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








Applications	
Stainless steel	●



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

**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		Price/pc. £		Discount group									
115 x 22,23				40	80 m/s		13,300 rpm		10		322826		7.23		10									
115 x 22,23				60	80 m/s		13,300 rpm		10		322827		7.23		10									
115 x 22,23				80	80 m/s		13,300 rpm		10		322828		7.23		10									
125 x 22,23				40	80 m/s		12,200 rpm		10		322831		8.53		10									
125 x 22,23				60	80 m/s		12,200 rpm		10		322832		8.53		10									
125 x 22,23				80	80 m/s		12,200 rpm		10		322833		8.53		10									
180 x 22,23				40	80 m/s		8,500 rpm		10		322836		16.62		10									

Abrasive mop disc

### SMT 645

#### SUPRA



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

Applications	
Stainless steel	●
Steel	●



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

**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		Price/pc. £		Discount group			
115 x 22,23				40	80 m/s				13,300 rpm				10				278590		7.06		10			
115 x 22,23				60	80 m/s				13,300 rpm				10				278591		7.06		10			
115 x 22,23				80	80 m/s				13,300 rpm				10				278592		7.06		10			

Recommended prices.

Please observe: Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

Abrasive mop disc

## SMT 924 SPECIAL



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







Applications	
Stainless steel	●
Steel	●



Properties	
Backing plate	Glass fibre
Design	Convex 6°
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
Diameter x Bore in mm		Form		Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group									
115 x 22,23				40	80 m/s		13,300 rpm		10		322862		8.14		10									
115 x 22,23				60	80 m/s		13,300 rpm		10		322863		8.14		10									
115 x 22,23				80	80 m/s		13,300 rpm		10		322864		8.14		10									
125 x 22,23				40	80 m/s		12,200 rpm		10		322867		9.61		10									
125 x 22,23				60	80 m/s		12,200 rpm		10		322868		9.61		10									
125 x 22,23				80	80 m/s		12,200 rpm		10		322869		9.61		10									

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
Diameter x Bore in mm		Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group										
115 x 22,23			36	80 m/s		13,300 rpm		10		321713		8.23		10										
115 x 22,23			40	80 m/s		13,300 rpm		10		321714		8.23		10										
115 x 22,23			60	80 m/s		13,300 rpm		10		321715		8.23		10										
115 x 22,23			80	80 m/s		13,300 rpm		10		321716		8.23		10										
115 x 22,23			36	80 m/s		13,300 rpm		10		321668		8.23		10										
115 x 22,23			40	80 m/s		13,300 rpm		10		321670		8.23		10										
115 x 22,23			60	80 m/s		13,300 rpm		10		321674		8.23		10										

Recommended prices.

Continuation →

Please observe: Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

## Abrasive mop discs

### → 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	Price/pc. £	Discount group
115 x 22,23		80	80 m/s	13,300 rpm	10	321677	<b>8.23</b>	10
125 x 22,23		36	80 m/s	12,200 rpm	10	321718	<b>9.71</b>	10
125 x 22,23		40	80 m/s	12,200 rpm	10	321719	<b>9.71</b>	10
125 x 22,23		60	80 m/s	12,200 rpm	10	321720	<b>9.71</b>	10
125 x 22,23		80	80 m/s	12,200 rpm	10	321721	<b>9.71</b>	10
125 x 22,23		40	80 m/s	12,200 rpm	10	321671	<b>9.71</b>	10
125 x 22,23		60	80 m/s	12,200 rpm	10	321675	<b>9.71</b>	10
125 x 22,23		80	80 m/s	12,200 rpm	10	321678	<b>9.71</b>	10
180 x 22,23		24	80 m/s	8,500 rpm	5	321667	<b>18.93</b>	10
180 x 22,23		36	80 m/s	8,500 rpm	5	321669	<b>18.93</b>	10
180 x 22,23		40	80 m/s	8,500 rpm	5	321672	<b>18.93</b>	10
180 x 22,23		60	80 m/s	8,500 rpm	5	321676	<b>18.93</b>	10

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

**Advantages:** Maximum removal rate and service life - Especially suitable for rough work on steel and stainless steel - Optimal removal rate when used on high power angle grinders under increased grinding pressure

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm		Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group										
115 x 22,23			40	80 m/s		13,300 rpm		10		321703		7.34		10										
115 x 22,23			60	80 m/s		13,300 rpm		10		321706		7.34		10										
115 x 22,23			80	80 m/s		13,300 rpm		10		321708		7.34		10										
125 x 22,23			40	80 m/s		12,200 rpm		10		321704		8.67		10										
125 x 22,23			60	80 m/s		12,200 rpm		10		321707		8.67		10										
125 x 22,23			80	80 m/s		12,200 rpm		10		321709		8.67		10										
180 x 22,23			40	80 m/s		8,500 rpm		10		321705		16.89		10										
180 x 22,23			60	80 m/s		8,500 rpm		10		321711		16.89		10										
180 x 22,23			80	80 m/s		8,500 rpm		10		321712		16.89		10										

Recommended prices.

Please observe: Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

Abrasive mop disc, multibond

## SMT 996 SPECIAL



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







Applications	
Stainless steel	●



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
Diameter x Bore in mm		Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group										
115 x 22,23			40	80 m/s		13,300 rpm		10		322849		8.09		10										
115 x 22,23			60	80 m/s		13,300 rpm		10		322850		8.09		10										
115 x 22,23			80	80 m/s		13,300 rpm		10		322851		8.09		10										
125 x 22,23			40	80 m/s		12,200 rpm		10		322852		9.55		10										
125 x 22,23			60	80 m/s		12,200 rpm		10		322853		9.55		10										
125 x 22,23			80	80 m/s		12,200 rpm		10		322854		9.55		10										

Abrasive mop disc, Corner grinder

## SMT 688 SPECIAL



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

Applications	
Stainless steel	●
Steel	●



Properties	
Backing plate	Glass fibre
Design	flat
Grain	Zirconia alumina

**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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

All sizes and minimum purchasing quantities available on request

Recommended prices.

Please observe: Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

## Abrasive mop discs

Abrasive mop disc

### SMT 800 SPECIAL



Quality *SPECIAL*



#### Applications

Stainless steel	●
Steel	●

#### Properties

Backing plate	Glass fibre
Design	Convex 12°



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

Diameter x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	coarse	brown	80 m/s	13,300 rpm	5	278495	<b>14.17</b>	10
115 x 22,23	medium	maroon	80 m/s	13,300 rpm	5	278496	<b>14.17</b>	10
115 x 22,23	very fine	blue	80 m/s	13,300 rpm	5	278497	<b>14.17</b>	10
125 x 22,23	coarse	brown	80 m/s	12,200 rpm	5	278498	<b>16.72</b>	10
125 x 22,23	medium	maroon	80 m/s	12,200 rpm	5	278499	<b>16.72</b>	10
125 x 22,23	very fine	blue	80 m/s	12,200 rpm	5	278500	<b>16.72</b>	10

Combi-Abrasive mop disc

### SMT 850 plus SPECIAL



Quality *SPECIAL*



#### Applications

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

#### Properties

Backing plate	Glass fibre
Design	Convex 12°



**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	Price/pc. £	Discount group
115 x 22,23	60	coarse	brown	80 m/s	13,300 rpm	7,000 rpm	5	312556	<b>20.60</b>	10
115 x 22,23	80	medium	maroon	80 m/s	13,300 rpm	7,000 rpm	5	312557	<b>20.60</b>	10
115 x 22,23	120	very fine	blue	80 m/s	13,300 rpm	7,000 rpm	5	312558	<b>20.60</b>	10
125 x 22,23	60	coarse	brown	80 m/s	12,200 rpm	6,400 rpm	5	312559	<b>24.31</b>	10
125 x 22,23	80	medium	maroon	80 m/s	12,200 rpm	6,400 rpm	5	312560	<b>24.31</b>	10
125 x 22,23	120	very fine	blue	80 m/s	12,200 rpm	6,400 rpm	5	312561	<b>24.31</b>	10

Recommended prices.

**Please observe:** Minimum order quantities for made to order items see page 191. Please see Applications Guide on page 191 - 195.

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	Price/pc. £	Discount group
150 x 6 x 22	coarse	red	47 m/s	6,000 rpm	22 m/s	2,800 rpm	5	311867	<b>44.18</b>	7
150 x 6 x 22	medium	grey	47 m/s	6,000 rpm	22 m/s	2,800 rpm	5	311868	<b>41.85</b>	7
150 x 6 x 22	fine	blue	47 m/s	6,000 rpm	22 m/s	2,800 rpm	5	311869	<b>39.59</b>	7
150 x 6 x 22	very fine	green	37 m/s	4,700 rpm	22 m/s	2,800 rpm	5	311870	<b>37.33</b>	7

Cleaning wheel

## NCD 200





### Applications

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

### Properties

Bonding agent Resin
Design Flat

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

Diameter x Bore in mm	Form	Grain	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23		SiC	63 m/s	10,450 rpm	5	259043	<b>12.77</b>	7
125 x 22,23		SiC	63 m/s	9,600 rpm	5	259044	<b>14.08</b>	7

Recommended prices.

**Please observe:** Please see Applications Guide on page 191 - 195.

## 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	Price/pc. £	Discount group
100 x 13 x 13	40 m/s	7,600 rpm	10	194625	<b>11.38</b>	7
150 x 13 x 13	40 m/s	5,000 rpm	10	194626	<b>19.03</b>	7
200 x 13 x 13	40 m/s	3,700 rpm	10	241380	<b>25.93</b>	7

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	Price/pc. £	Discount group
6	1 wheel Ø 100 - Ø 200	24/40/49 x 13 mm	1	194629	<b>16.48</b>	14
8	1-2 wheels Ø 100 - Ø 200	40/49/75 x 13 mm	1	194632	<b>18.84</b>	14

Recommended prices.

**Please observe:** Please see Applications Guide on page 191 - 195.



A large rectangular area filled with a light gray dot grid pattern, intended for taking notes.





# Kronenflex® cutting-off wheels and grinding discs

## About the product

As the inventor of the high speed cutting-off wheel, it is only natural that we strive to continually develop and improve our Kronenflex® products.

Kronenflex® cutting-off wheels and grinding discs feature an optimal combination of bonding agent and grain type for high aggressiveness, outstanding service life and consistently high quality. They comply with the highest safety standards, including the oSa regulations and the European safety standard EN 12413.

As a result of continuous innovations and the development of special products for diverse requirements, our Kronenflex® products offer the optimal solution for all standard materials and applications.

## Typical materials for these products

- ▶ Steel
- ▶ Stainless steel
- ▶ Construction steel
- ▶ NF-metals
- ▶ Cast materials
- ▶ 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	220
Small cutting-off wheels	227
1,6–1,9 mm	228
2,0–3,2 mm	232
Large cutting-off wheels	240

## Kronenflex® grinding discs

Kronenflex® grinding discs	Page
Grinding discs	251

# Kronenflex® cutting-off wheels and grinding discs

## 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

Optimised products for different applications. Excellent service life and cutting performance.



### SPECIAL

High performance products for special applications. Highest service life and cutting performance in the respective material application area.

# Kronenflex® cutting-off wheels and grinding discs

## Application guides



### 1. Label and cover sheet

The label includes all of the important information on the product, manufacturer and information on the proper use of the grinding tool

### 2. Mixture

**The grit:** Today all grit types are only produced synthetically. Only grit produced synthetically can ensure continuously high wear and cutting disc quality.

**Resins and fillers:** Additional, important components for cutting and grinding discs are resins, (in liquid and dry form), and fillers. These components are key in determining the disc properties, such as stability, stock removal rate, shear strength and can be adjusted to meet the needs of the specific application .



### 3. Metal ring

Provides information on the expiry date of the disc.

### 4. Glass fibre

Glass fibre is a reinforcing layer to ensure stability and increases the safety of the cutting-off wheel. The number and strength of the glass fibre layers is dependent upon disc type and application.

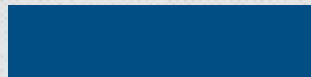
The higher the potential lateral load on a cutting-off disc (it is greater during free cutting than during stationary cutting), the more glass fibre that the cutting disc must contain, or the contained glass fibre must be more stable. Particularly thin material is used for thin cutting discs (0.8 mm 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 wheels and grinding discs

## Application guides



Quarter	
V 01	January-March
V 04	April-June
V 07	July-September
V 10	October-December

## Safety and storage

The shelf life of cutting-off wheels and grinding discs is primarily determined by their moisture content. Cutting-off wheels and grinding discs that are subjected to increased humidity after they were manufactured lose their original service life. 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 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 workpiece hardens or not. Overheating results in the disc “glazing” and the cutting properties are negatively affected. In this case, the hardness of the bond should be decreased and a softer cutting-off wheel should be used.

### ...for grinding discs

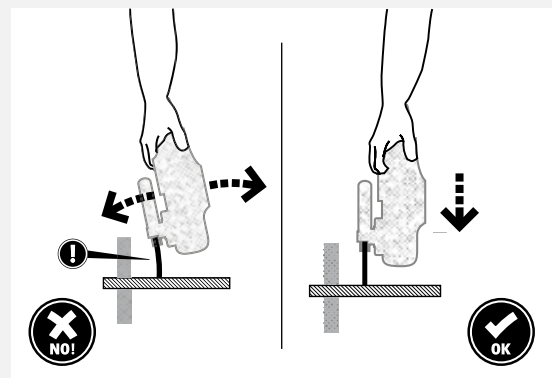
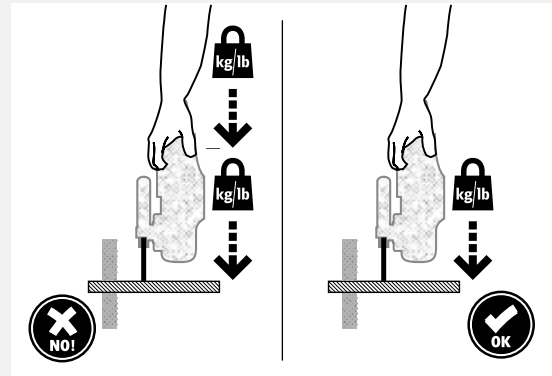
The rule of thumb also applies to grinding discs: the harder the material, the softer the grinding disc bond. In addition, the application plays a decisive role. Corner grinding and the grinding of burrs and sharp edges can cause grit to be removed from the bond. We suggest the selection of a hard bond. 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 wheels and grinding discs

## Application guides

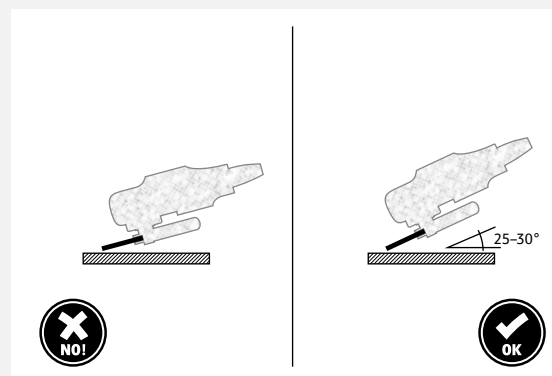
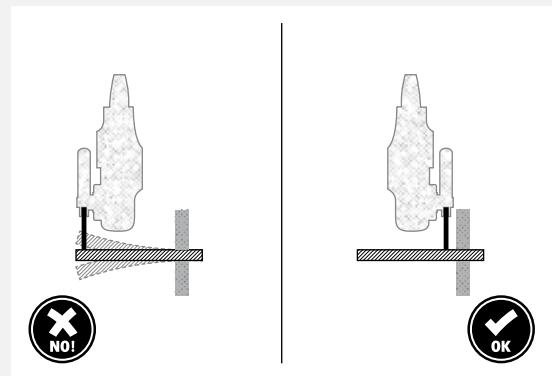
### Correct application/techniques for cutting-off

Pressure may only be placed on the cutting-off wheel from a radial direction. This is the only way to avoid wobbling, buckling and disc breakage, especially when applying a high level of cutting pressure. The workpiece that is to be cut-off should be properly affixed to the workbench to ensure that the disc does not slide off to the side. In addition, we recommend that the material is affixed as close to the cutting site as possible to ensure that it does not vibrate, flutter or slip to the side.



### Correct application/techniques for grinding

Grinding discs work best at 35 degree angle to the workpiece. This angle provides the best stock removal to disc wear ratio. If possible, always select this angle. When grinding and the angle is below 15° a very thin edge which levels off is formed around the circumference of the disc. Even minimal changes to the angle can result in a situation in which the grinding pressure can no longer be absorbed resulting in the grinding disc slipping to the side. Valuable grit is not used and an imbalance is created that results in having to replace the disc prematurely.



## The correct mount

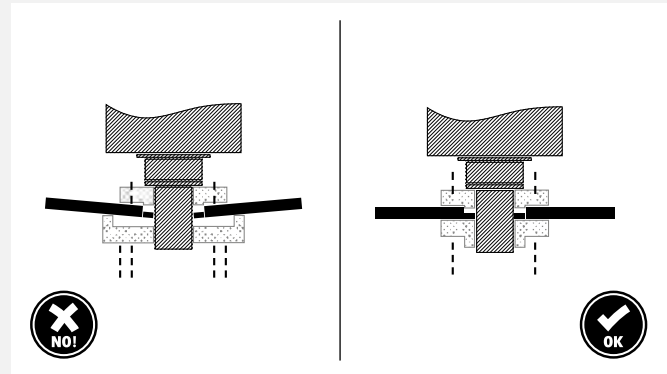
### ... for better power transmission

Cutting-off wheels and grinding discs are mounted to the machine with side flanges. The flange elements are responsible for transferring power to the disc. For reasons of safety it is extremely important that defective or incorrect flanges are not used.

### ... and for more safety

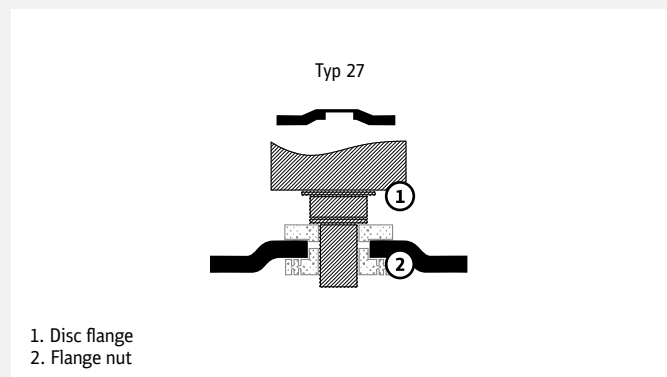
The use of wheel flange FL 76 provides increased lateral stability and user control, specifically when using thin cutting-off wheels with a flat form and diameter of 180 mm and 230 mm.

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.



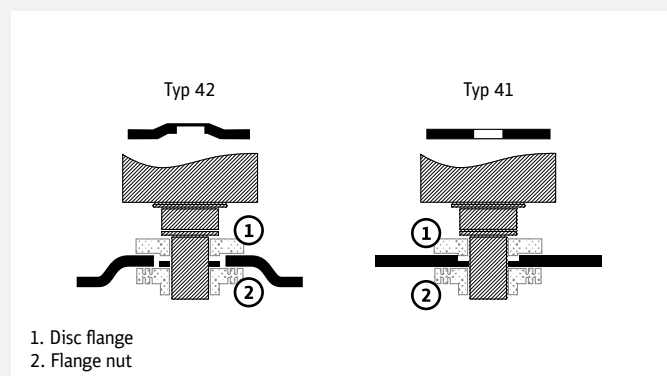
## Depressed centre grinding discs

4 - 10 mm thickness



## Flat and depressed centre cutting-off wheels

0.8 - 4 mm thickness



# Kronenflex® cutting-off wheels and grinding discs

## Application guides

### Recognise and avoid errors

	Issue	Possible cause	Solution
Cutting-off 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!
		Material is not properly affixed	Mount the material closer to the cutting site
	Disc periphery is frayed	Disc periphery is burned	Select a softer bond, decrease grinding pressure
		Material is not properly affixed	Mount the material closer to the cutting site
	Disc jumps	Wheel flange is dirty or worn out	Clean wheel flange or replace wheel flange
		Bearing is defective	Replace machine or replace bearing
		Bore dimension and mount do not match	Use proper bore dimension or use a reducer ring
	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 / incorrect	Replace / clean mounting flange / check dimensions
	Disc wobbles	Use a new disc

## The safe use of Klingspor abrasives

Klingspor Kronenflex 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 a 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	Copper	Brass	Zinc die-casting	Cast iron	Page
<b>A 60 EXTRA</b>	1,0	●	○	○	●	○	○	○	○	○	○	○	○	221
<b>A 660 R SUPRA</b>	1,0	●	●	●	●	○	○	○	○	○	○	○	○	223
<b>A 60 TZ SPECIAL INOX</b>	1,0	●	●	●	●	●	●	○	○	○	○	●	○	223
<b>A 960 TZ SPECIAL</b>	1,0	●	●	●	●	●	●	○	○	○	○	●	○	224
<b>A 980 TZ SPECIAL</b>	0,8	●	●	●	●	●	●	●	○	○	○	○	○	221
<b>A 60 N SUPRA</b>	1,0	○	○	○	○	○	○	●	●	●	●	○	○	226
<b>K 960 TX SPECIAL</b>	1,0	●	●	●	●	●	●	○	○	○	○	●	●	225
<b>Z 960 TX SPECIAL</b>	1,0	●	●	●	●	●	●	○	○	○	○	●	○	225
<b>A 660 R SUPRA Small cutting-off wheel</b>	1,0–1,6	●	●	●	○	○	○	○	○	○	○	○	○	227

● = 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

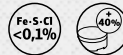


# Kronenflex® cutting-off wheels 0,8 – 1,0 mm for handheld machines



Cutting-off wheel INOX

## A 980 TZ SPECIAL



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

**Advantages:** Free of iron, sulphur and chlorine - Very short cutting times - Very precise and clean cuts - Low thermal load - Minimal burr formation, minimising finish-machining - 25 pieces delivered in the Kronenflex® 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	Price/pc. £	Discount group
115 x 0,8 x 22,23		80 m/s	13,300 rpm	25	322182	<b>2.43</b>	11
125 x 0,8 x 22,23		80 m/s	12,200 rpm	25	322183	<b>2.78</b>	11

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	Price/pc. £	Discount group
115 x 1 x 22,23		80 m/s	13,300 rpm	25	262936	<b>1.73</b>	11
125 x 1 x 22,23		80 m/s	12,200 rpm	25	262937	<b>1.97</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 220.

# Kronenflex® cutting-off wheels 0,8 – 1,0 mm for handheld 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	Price/tin £	Discount group
125 x 1 x 22,23		80 m/s	12,200 rpm	10 discs	310500	<b>25.15</b>	11

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	Price/tin £	Discount group
125 x 1 x 22,23		80 m/s	12,200 rpm	5 tins with 10 discs	312031	<b>26.56</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 220.

# Kronenflex® cutting-off wheels 0,8 – 1,0 mm for handheld machines



Cutting-off wheel INOX

## A 660 R SUPRA



**NEW**

Quality *SUPRA*

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

Applications

Stainless steel	●
Steel	●

**Advantages:** Minimal burr formation - Low thermal load - Highest 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	Price/pc. £	Discount group
115 x 1 x 22,23	—	80 m/s	13,300 rpm	25	328905	<b>2.05</b>	11
125 x 1 x 22,23	—	80 m/s	12,200 rpm	25	328906	<b>2.36</b>	11

Cutting-off wheel

## A 60 TZ SPECIAL



Quality *SPECIAL*

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

Applications

Stainless steel	●
NF metals	●
Steel	○

**Advantages:** Free of iron, sulphur and chlorine - Short cutting times - Minimal burr formation - Low thermal load

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 x 1 x 16	—	80 m/s	15,300 rpm	25	202402	<b>2.38</b>	11
115 x 1 x 22,23	—	80 m/s	13,300 rpm	25	202400	<b>2.43</b>	11
115 x 1 x 22,23	—	80 m/s	13,300 rpm	25	233741	<b>2.43</b>	11
125 x 1 x 22,23	—	80 m/s	12,200 rpm	25	202401	<b>2.76</b>	11
125 x 1 x 22,23	—	80 m/s	12,200 rpm	25	233742	<b>2.76</b>	11

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 220.

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

for handheld machines

Cutting-off wheel

## A 60 TZ SPECIAL



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

Applications	
Stainless steel	●
NF metals	●
Steel	○

**Advantages:** Free of iron, sulphur and chlorine - Fast cutting - Minimal burr formation - Low thermal load - 10 pieces in a tin with viewing window

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/Tin	Cat. number	Price/tin £	Discount group
115 x 1 x 22,23	■■■■	80 m/s	13,300 rpm	10 discs	310503	<b>29.54</b>	11
125 x 1 x 22,23	■■■■	80 m/s	12,200 rpm	10 discs	310504	<b>33.62</b>	11

Minimum order quantity = 5 tins

Cutting-off wheel INOX

## A 960 TZ SPECIAL



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

Applications	
Stainless steel	●
Steel	●

**Advantages:** Free of iron, sulphur and chlorine - Short cutting times and long service life - Low thermal load - Low burr formation - optimised bonding for considerably longer service life - For diverse applications - 25 pieces delivered in the Kronenflex® 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	Price/pc. £	Discount group
115 x 1 x 22,23	■■■■	80 m/s	13,300 rpm	25	322180	<b>2.63</b>	11
125 x 1 x 22,23	■■■■	80 m/s	12,200 rpm	25	322181	<b>3.02</b>	11

Recommended prices.

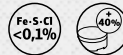
**Please observe:** Please see Applications Guide on page 211 - 219, 220.

# Kronenflex® cutting-off wheels 0,8 – 1,0 mm for handheld machines



Ceramic cutting-off wheel

## K 960 TX SPECIAL



NEW

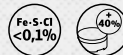
Quality	SPECIAL	Applications
Bond	■■■■■■■■	Stainless steel ●
Aggression	■■■■■■■■	Steel ●
Service life	■■■■■■■■	High alloy steel ●

**Advantages:** Free of iron, sulfur and chlorine - Outstanding performance in daily use - Highest cutting performance, even with low grinding pressure - 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	Price/pc. £	Discount group
115 x 1 x 22,23	■■■■	80 m/s	13,300 rpm	25	328885	3.64	11
125 x 1 x 22,23	■■■■	80 m/s	12,200 rpm	25	328886	4.21	11

Cutting-off wheel INOX

## Z 960 TX SPECIAL



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

**Advantages:** Free of iron, sulphur and chlorine - Ideal for tough/hard materials such as titanium and high alloy steels - Short cutting times and long service life due to self-sharpening zirconia alumina - Low thermal load - Low burr formation - 25 pieces delivered in the Kronenflex® 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	Price/pc. £	Discount group
115 x 1 x 22,23	■■■■	80 m/s	13,300 rpm	25	322184	2.98	11
125 x 1 x 22,23	■■■■	80 m/s	12,200 rpm	25	322185	3.43	11

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 220.

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

for handheld machines

Cutting-off wheel

## A 60 N

### SUPRA



Quality

SUPRA

Bond



Aggression



Service life



Applications

Aluminium



Steel



**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	Price/pc. £	Discount group
115 x 1 x 22,23		80 m/s	13,300 rpm	25	264297	<b>2.39</b>	11
125 x 1 x 22,23		80 m/s	12,200 rpm	25	264298	<b>2.76</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 220.

# Kronenflex® small cutting-off wheels for handheld machines



Small cutting-off wheel

NEW

## A 660 R SUPRA



Quality SUPRA

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

Applications

Steel	●
Stainless steel	○

**Advantages:** Minimal burr formation - For universal use in hard-to-reach areas - For cutting tins, profiles and solid materials

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
50 x 1 x 6	—	100 m/s	38,200 rpm	100	329096	1.48	11
50 x 1 x 10	—	100 m/s	38,200 rpm	100	329097	1.48	11
76 x 1 x 6	—	100 m/s	25,200 rpm	100	329098	1.60	11
76 x 1 x 10	—	100 m/s	25,200 rpm	100	329099	1.60	11
76 x 1,6 x 6	—	100 m/s	25,200 rpm	100	329100	1.60	11
76 x 1,6 x 10	—	100 m/s	25,200 rpm	100	329101	1.60	11
100 x 1 x 6	—	100 m/s	19,000 rpm	25	329102	1.70	11
100 x 1 x 10	—	100 m/s	19,000 rpm	25	329103	1.70	11

Fixing spindle

## Fixing spindle



**Advantages:** Secure clamping of the small cutting-off wheel A 660 R Supra

Mounting	Thread diameter	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
6 mm	6 mm	1	2790	7.44	14
10 mm	6 mm	1	2789	8.44	14

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 220.

# Kronenflex® cutting-off wheels

## 1.6 – 1.9 mm

### About the product

Klingspor Kronenflex® cutting-off wheels with a disc thickness of 1.6 to 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	
<b>A 46 EXTRA</b>	1,6	●	○	○	●	○	○	○	○	○	○	○	229
<b>A 46 R SUPRA</b>	1,6	●	●	○	●	○	○	○	○	○	○	○	229
<b>A 46 TZ SPECIAL INOX</b>	1,6–1,9	●	●	●	●	●	●	○	○	○	○	●	230

● = main application    ○ = possible applications

# Kronenflex® cutting-off wheels 1,6 – 1,9 mm for handheld machines



Cutting-off wheel

## A 46 EXTRA



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

**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	Price/pc. £	Discount group
115 x 1,6 x 22,23	—	80 m/s	13,300 rpm	25	263247	<b>1.71</b>	11
125 x 1,6 x 22,23	—	80 m/s	12,200 rpm	25	263248	<b>1.95</b>	11

Cutting-off wheel INOX

## A 46 R SUPRA



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

**Advantages:** Minimal burr formation - Optimised service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
125 x 1,6 x 22,23	—	80 m/s	12,200 rpm	25	222954	<b>2.19</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 228.

# Kronenflex® cutting-off wheels 1,6 – 1,9 mm for handheld machines

Cutting-off wheel INOX

## A 46 TZ SPECIAL



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

**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	Price/pc. £	Discount group
100 x 1,6 x 16	—	80 m/s	15,300 rpm	25	194071	<b>2.21</b>	11
115 x 1,6 x 22,23	—	80 m/s	13,300 rpm	25	187170	<b>2.26</b>	11
115 x 1,6 x 22,23	—	80 m/s	13,300 rpm	25	235378	<b>2.26</b>	11
125 x 1,6 x 22,23	—	80 m/s	12,200 rpm	25	187171	<b>2.57</b>	11
125 x 1,6 x 22,23	—	80 m/s	12,200 rpm	25	235379	<b>2.57</b>	11
150 x 1,6 x 22,23	—	80 m/s	10,200 rpm	25	241472	<b>3.17</b>	11
180 x 1,6 x 22,23	—	80 m/s	8,500 rpm	25	221161	<b>3.43</b>	11
230 x 1,9 x 22,23	—	80 m/s	6,600 rpm	25	224084	<b>4.41</b>	11
230 x 1,9 x 22,23	—	80 m/s	6,600 rpm	25	265044	<b>4.41</b>	11

Wheel flange

## FL 76



**Advantages:** Use of the wheel flange increases lateral stability with thin cutting-off wheels having a flat form and diameters of 180 and 230 mm

Diameter	Suitable for	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
76	A 46 TZ	1	236130	<b>61.27</b>	14

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 228.



A large rectangular area with a light gray dot grid pattern, intended for taking notes.

# Kronenflex® cutting-off wheels

## 2.0 – 3.2 mm

### About the product

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

This is 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	Copper	Brass	Zinc die-casting	Cast iron	Stone / concrete	Page
A 24 EXTRA	2,0–3,2	●	○	●	○	○	○	○	○	○	○	○	○		233
A 24 R SUPRA	2,5–3,0	●	●	●	○	○	○					○	○		234
A 24 N SUPRA INOX	2,5–3,0	○	●	○	●	●	●	○	○	○	○				235
A 36 R SUPRA INOX	2,0–2,5	○	○	●	●	●	●		○	○	○				235
A 36 TZ SPECIAL INOX	2,0	○	○	●	●	●	●						○		236
A 24 R/36 SPECIAL INOX	2,5–3,0	○	○	●	●	●	●								237
A 24 TZ SPECIAL	2,5–3,0	○		○	●	●	●						○		236
A 46 N SUPRA	2,5–3,0							●	●	●	●	○			237
A 24 S SUPRA	3,0	○											●		238
C 24 EXTRA	2,5–3,0													●	238
C 24 R SUPRA	2,5–3,0												○	●	239

● = main application ○ = possible applications

# Kronenflex® cutting-off wheels 2,0 – 3,2 mm for handheld machines



Cutting-off wheel

## A 24 EXTRA



Quality

EXTRA

Applications

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

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	Price/pc. £	Discount group
100 x 2,5 x 16		80 m/s	15,300 rpm	25	188998	<b>1.37</b>	11
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	242137	<b>1.39</b>	11
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	188461	<b>1.39</b>	11
115 x 3,2 x 22,23		80 m/s	13,300 rpm	25	209014	<b>1.65</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	242138	<b>1.57</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	188463	<b>1.57</b>	11
125 x 3,2 x 22,23		80 m/s	12,200 rpm	25	209016	<b>1.90</b>	11
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	235375	<b>1.91</b>	11
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	235374	<b>1.91</b>	11
180 x 2 x 22,23		80 m/s	8,500 rpm	25	286455	<b>2.10</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13490	<b>2.10</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	189000	<b>2.10</b>	11
230 x 2 x 22,23		80 m/s	6,600 rpm	25	286456	<b>3.02</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13492	<b>3.02</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	189002	<b>3.02</b>	11

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 232.

# Kronenflex® cutting-off wheels 2,0 – 3,2 mm for handheld machines

Cutting-off wheel

## A 24 R SUPRA



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

**Advantages:** Optimised combination for use on steel - Can be used on stainless steel - Good cutting properties

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 x 2,5 x 16		80 m/s	15,300 rpm	25	13754	<b>1.66</b>	11
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	13297	<b>1.69</b>	11
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	13466	<b>1.69</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	13295	<b>1.95</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	13738	<b>1.95</b>	11
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	6667	<b>2.39</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13456	<b>2.59</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13470	<b>2.59</b>	11
180 x 3,5 x 22,23		80 m/s	8,500 rpm	25	13474	<b>3.23</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13464	<b>3.71</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13478	<b>3.71</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 232.

# Kronenflex® cutting-off wheels 2,0 – 3,2 mm for handheld 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	Price/pc. £	Discount group
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	3020	<b>1.83</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	2951	<b>2.09</b>	11
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	235377	<b>2.53</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13455	<b>2.78</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13469	<b>2.78</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13463	<b>3.97</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13477	<b>3.97</b>	11

Cutting-off wheel INOX

## A 36 R SUPRA



Quality SUPRA

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

Applications

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

**Advantages:** Excellent cutting performance - Optimised aggression and service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 2 x 22,23		80 m/s	13,300 rpm	25	123208	<b>1.86</b>	11
125 x 2 x 22,23		80 m/s	12,200 rpm	25	126849	<b>2.16</b>	11
150 x 2 x 22,23		80 m/s	10,200 rpm	25	251752	<b>2.63</b>	11
180 x 2,5 x 22,23		80 m/s	8,500 rpm	25	123209	<b>2.85</b>	11
230 x 2,5 x 22,23		80 m/s	6,600 rpm	25	123833	<b>4.10</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 232.

# Kronenflex® cutting-off wheels 2,0 – 3,2 mm for handheld machines

Cutting-off wheel INOX

## A 36 TZ SPECIAL



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

**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	Price/pc. £	Discount group
115 x 2 x 22,23	■■■■	80 m/s	13,300 rpm	25	136549	<b>2.26</b>	11
125 x 2 x 22,23	■■■■	80 m/s	12,200 rpm	25	136550	<b>2.60</b>	11
180 x 2 x 22,23	■■■■	80 m/s	8,500 rpm	25	136551	<b>3.46</b>	11
230 x 2 x 22,23	■■■■	80 m/s	6,600 rpm	25	136552	<b>4.95</b>	11

Cutting-off wheel INOX

## A 24 TZ SPECIAL



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

**Advantages:** Optimised combination for use on stainless steel - Excellent performance

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 2,5 x 22,23	■■■■	80 m/s	13,300 rpm	25	136554	<b>2.42</b>	11
125 x 2,5 x 22,23	■■■■	80 m/s	12,200 rpm	25	136555	<b>2.78</b>	11
180 x 3 x 22,23	■■■■	80 m/s	8,500 rpm	25	136558	<b>3.70</b>	11
230 x 3 x 22,23	■■■■	80 m/s	6,600 rpm	25	136559	<b>5.32</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 232.

# Kronenflex® cutting-off wheels 2,0 – 3,2 mm for handheld 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, sulphur and chlorine

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 x 2,5 x 16		80 m/s	15,300 rpm	25	60533	<b>1.78</b>	11
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	60534	<b>1.79</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	2825	<b>2.08</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	60537	<b>2.75</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	60061	<b>3.95</b>	11

Cutting-off wheel

## A 46 N SUPRA



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

Applications
Aluminium ●

**Advantages:** Special combination prevents smearing and clogging - Optimised 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	Price/pc. £	Discount group
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	170707	<b>2.32</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	170708	<b>2.70</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	170709	<b>3.56</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	170710	<b>5.11</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 232.

# Kronenflex® cutting-off wheels 2,0 – 3,2 mm for handheld machines

Cutting-off wheel

## A 24 S SUPRA



Quality	SUPRA		Applications	
Bond	■ ■ ■ ■ ■ ■ ■ ■	■	Castings	●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	■	Steel	○
Service life	■ ■ ■ ■ ■ ■ ■ ■	■		

**Advantages:** Optimised 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	Price/pc. £	Discount group
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13462	<b>4.02</b>	11

Cutting-off wheel

## C 24 EXTRA



Quality	EXTRA		Applications	
Bond	■ ■ ■ ■ ■ ■ ■ ■	■	Stone/Concrete	●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	■		
Service life	■ ■ ■ ■ ■ ■ ■ ■	■		

**Advantages:** Universal cutting-off wheel for all mineral materials - Wide application range due to sharp, coarse SiC grit

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 x 2,5 x 16		80 m/s	15,300 rpm	25	188999	<b>1.39</b>	11
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	242143	<b>1.40</b>	11
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	188462	<b>1.40</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	242144	<b>1.59</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	188464	<b>1.59</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13489	<b>2.12</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	189001	<b>2.12</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13491	<b>3.06</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	189003	<b>3.06</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 232.

# Kronenflex® cutting-off wheels 2,0 – 3,2 mm for handheld machines



Cutting-off wheel

## C 24 R SUPRA



Quality

SUPRA

Applications

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

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	Price/pc. £	Discount group
115 x 2,5 x 22,23		80 m/s	13,300 rpm	25	13465	<b>1.80</b>	11
125 x 2,5 x 22,23		80 m/s	12,200 rpm	25	13739	<b>2.04</b>	11
150 x 2,5 x 22,23		80 m/s	10,200 rpm	25	6668	<b>2.49</b>	11
180 x 3 x 22,23		80 m/s	8,500 rpm	25	13453	<b>2.74</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13461	<b>3.93</b>	11
230 x 3 x 22,23		80 m/s	6,600 rpm	25	13475	<b>3.93</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 232.

# 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. These products are 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	Copper	Brass	Zinc die-casting	Cast iron	Stone / concrete	Asphalt	Bench chop saws	Handheld machines 80m/s	Handheld machines 100m/s	Stationary < 5KW	
<b>A 24 EXTRA</b>	3,5	●	○	●	○	○	○						○				●			243
<b>C 24 EXTRA</b>	3,5												○	●	○		●			243
<b>A 24 R SUPRA</b>	3,0–4,5	●	●	●	○	○	○						○						●	247
<b>A 24 N SUPRA INOX</b>	3,5	○	●	●	●	●	●	○	○	○	○	○							●	247
<b>A 24 R SPECIAL</b>	3,5–4,0	●	●	●	●	●	●						○				●			244
<b>T 24 AX SPECIAL</b>	3,5–4,0	●	●															●		246
<b>C 24 RA SPECIAL</b>	3,5–4,0													○	●		●			245
<b>C 24 RT SPECIAL</b>	3,5													●			●			245
<b>C 24 RT/ 34 SPECIAL</b>	3,5	●											○	○			●			244
<b>A 30 N SPECIAL</b>	2,5–3,5	●	○	○	○	○	○	○	○	○	○	○	○			●				248

● = 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 handheld 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 handheld machines.

The bore diameter of a large cutting-off wheel does not indicate if it is a wheel that can be used with a stationary machine or if it is a wheel that can be used with a handheld machine.

A binding overview regarding which Klingspor wheel type is to be used with which machine type is provided in the table below.

Type	ø [mm]	Thickness [mm]	Bore ø [mm]	Machines	Safety	
					Max. operating speed	Application type (EN12413)
<b>A 24 EXTRA</b>	300	3,5	20/22,23	general handheld machines (petrol, electric, high frequency))	80 m/s	freehand cutting
<b>C 24 EXTRA</b>	300	3,5	20/22,23		80 m/s	
<b>A 24 R SUPRA</b>	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	>3 KW
	400	4,5	25,4/32/40		100 m/s	>3 KW
<b>A 24 N SUPRA</b>	350	3,5	25,4		100 m/s	>3 KW
<b>A 24 R/06 SUPRA</b>	400	4	25,4		100 m/s	>5 KW
<b>A 24 R SPECIAL</b>	300	3,5	20/22, 23/25,4	general handheld machines (petrol, electric, high frequency)	80 m/s	freehand cutting
	350	4	20/22, 23/25,4		80 m/s	
<b>T 24 AX SPECIAL</b>	300	3,5	22,23	general handheld machines (petrol, electric, high frequency, hydraulic) with a clamping device	100 m/s	stationary guided cutting
	350	4	22,23/25,4		100 m/s	
	400	4,5	25,4		100 m/s	
<b>C 24 RA SPECIAL</b>	300	3,5	20	general handheld machines, joint cutters (petrol, electric, high frequency)	80 m/s	freehand cutting
	350	4	20/25,4		80 m/s	
<b>A 30 N SPECIAL</b>	300	2,5	25,4	transportable bench chop saws, chop saws	80 m/s	<3 KW
	350	3	25,4		80 m/s	<3 KW
	400	3,5	25,4		80 m/s	<3 KW
<b>C 24 RT SPECIAL</b>	300	3,5	20	general handheld machines (petrol, electric, high frequency)	80 m/s	freehand cutting
<b>C 24 RT/34 SPECIAL</b>	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

Applications

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

Metals	●
--------	---

**Advantages:** Standard wheel with outstanding price-performance ratio - For universal use in metalworking - For use on gas powered freehand machines with a cutting speed of 80 m/s

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288221	<b>7.48</b>	11
300 x 3,5 x 22,23	—	80 m/s	5,100 rpm	10	288222	<b>7.48</b>	11

Cutting-off wheel

## C 24 EXTRA



Quality

EXTRA

Applications

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

Stone/Concrete	●
----------------	---

**Advantages:** Optimal for all mineral materials due to sharp, coarse SiC grit - For use on gas powered freehand machines with a cutting speed of 80 m/s

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288223	<b>7.58</b>	11
300 x 3,5 x 22,23	—	80 m/s	5,100 rpm	10	288224	<b>7.58</b>	11

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 240 - 242.

# 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 - Optimised combination for use on steel - Can be also used on stainless steel - For use on gas powered freehand machines with a cutting speed of 80 m/s

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288245	<b>9.34</b>	11
300 x 3,5 x 22,23	—	80 m/s	5,100 rpm	10	288246	<b>9.34</b>	11
300 x 3,5 x 25,4	—	80 m/s	5,100 rpm	10	288247	<b>9.34</b>	11
350 x 4 x 20	—	80 m/s	4,400 rpm	10	288248	<b>13.97</b>	11
350 x 4 x 22,23	—	80 m/s	4,400 rpm	10	288249	<b>13.97</b>	11
350 x 4 x 25,4	—	80 m/s	4,400 rpm	10	288250	<b>13.97</b>	11

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 - Optimal performance due to sharp, coarse SiC grain - For use on gas powered freehand machines with a cutting speed of 80 m/s

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288256	<b>6.58</b>	11

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 240 - 242.

# 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 freehand machines with a cutting speed of 80 m/s

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288251	<b>9.28</b>	11
350 x 4 x 20	—	80 m/s	4,400 rpm	10	288252	<b>13.86</b>	11
350 x 4 x 25,4	—	80 m/s	4,400 rpm	10	288253	<b>13.86</b>	11

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 freehand machines with a cutting speed of 80 m/s

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 3,5 x 20	—	80 m/s	5,100 rpm	10	288254	<b>7.37</b>	11

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 240 - 242.

# 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 aluminum 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	Price/pc. £	Discount group
300 x 3,5 x 22,23	—	100 m/s	6,400 rpm	10	314012	<b>16.42</b>	11
350 x 4 x 22,23	—	100 m/s	5,500 rpm	10	314013	<b>24.54</b>	11
350 x 4 x 25,4	—	100 m/s	5,500 rpm	10	314014	<b>24.54</b>	11
400 x 4 x 25,4	—	100 m/s	4,800 rpm	10	314035	<b>29.38</b>	11

Cutting-off wheel

## A 24 SX SPECIAL



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

Applications
Steel ●

**Advantages:** Cutting-off wheel for railway rails, with blotter - Very fast cutting - For use on petrol driven 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	Price/pc. £	Discount group
350 x 4 x 25,4	—	100 m/s	5,500 rpm	10	247994	<b>22.00</b>	11

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 240 - 242.

# Kronenflex® large cutting-off wheels

for stationary cutting



Cutting-off wheel

## A 24 R SUPRA



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

**Advantages:** Optimised combination for use on steel - Can be used on stainless steel - Good cutting properties - Optimal for stationary 3 - 5 kW cutting-off machines

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
250 x 3 x 32	—	100 m/s	7,600 rpm	10	2465	<b>7.04</b>	11
300 x 3 x 22,23	—	100 m/s	6,400 rpm	10	71365	<b>8.80</b>	11
300 x 3 x 25,4	—	100 m/s	6,400 rpm	10	6793	<b>8.80</b>	11
300 x 3 x 30	—	100 m/s	6,400 rpm	10	13524	<b>8.80</b>	11
300 x 3 x 32	—	100 m/s	6,400 rpm	10	6807	<b>8.80</b>	11
350 x 3,5 x 25,4	—	100 m/s	5,500 rpm	10	13528	<b>12.58</b>	11
350 x 3,5 x 32	—	100 m/s	5,500 rpm	10	13536	<b>12.58</b>	11
400 x 4,5 x 25,4	—	100 m/s	4,800 rpm	10	292933	<b>16.91</b>	11
400 x 4,5 x 32	—	100 m/s	4,800 rpm	10	292932	<b>16.91</b>	11
400 x 4,5 x 40	—	100 m/s	4,800 rpm	10	296567	<b>16.91</b>	11

Cutting-off wheel INOX

## A 24 N SUPRA



Quality	SUPRA	Applications
Bond	■ ■ ■ ■ ■ ■ ■ ■	Stainless steel ●
Aggression	■ ■ ■ ■ ■ ■ ■ ■	Steel ○
Service life	■ ■ ■ ■ ■ ■ ■ ■	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	Price/pc. £	Discount group
350 x 3,5 x 25,4	—	100 m/s	5,500 rpm	10	13527	<b>18.95</b>	11

Recommended prices.

Please observe: Please see Applications Guide on page 211 - 219, 240 - 242.

# 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	Price/pc. £	Discount group
300 x 2,5 x 25,4	— — — —	80 m/s	5,100 rpm	10	119627	<b>6.79</b>	11
350 x 3 x 25,4	— — — —	80 m/s	4,400 rpm	10	119628	<b>8.82</b>	11
400 x 3,5 x 25,4	— — — —	80 m/s	3,800 rpm	10	119629	<b>12.70</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 240 - 242.

## Notes



## Cutting-off wheels



# 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	Copper	Brass	Zinc die-casting	Cast iron	Stone / concrete	Page
A 24 EXTRA	6,0–8,0	●	○	○	○	○	○					○	○		252
A 24 EXTRA T	6,0–8,0	●	○	○	○	○	○						○		252
A 24 R SUPRA	4,0–10	●	●	●	○	○	○						○		253
A 24 R/01 SPECIAL	4,0	●	●	●	○	○	○								253
A 24 N SUPRA INOX	6,0–8,0	○	●	○	●	●	●								254
A 24 R/36 SPECIAL	6,0	○	○	○	●	●	●								254
A 46 N SUPRA	6,0–8,0							●	○	○	○	○			255
A 46 VZ SPECIAL	2,0	○	○	●	●	●	●					○			255
A 624 T SUPRA	6,0	●	●	●	●	○	○					○	●		256
AC 24 R SUPRA	8,0												●		256
A 24 TX SPECIAL	6	○	○	○	○	○	○						●		257
C 24 R SUPRA	6												○	●	257
A 16 R SUPRA	55	●											○		258
A 30 R SUPRA	55	●													258
C 16 R SUPRA	55												○	●	259
C 30 R SUPRA	55												○	●	259

● = main application ○ = possible applications

# Kronenflex® grinding discs for handheld 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 metalworking - Excellent results on all standard angle grinders

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 x 6 x 16		80 m/s	15,300 rpm	10	189004	<b>2.41</b>	11
115 x 6 x 22,23		80 m/s	13,300 rpm	10	188465	<b>2.46</b>	11
125 x 6 x 22,23		80 m/s	12,200 rpm	10	188466	<b>2.82</b>	11
150 x 6 x 22,23		80 m/s	10,200 rpm	10	235371	<b>3.43</b>	11
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13444	<b>3.68</b>	11
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13446	<b>4.79</b>	11
230 x 6 x 22,23		80 m/s	6,600 rpm	10	13447	<b>5.53</b>	11
230 x 8 x 22,23		80 m/s	6,600 rpm	10	13448	<b>7.18</b>	11

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	Price/pc. £	Discount group
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13794	<b>3.69</b>	11
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13445	<b>4.79</b>	11
230 x 6 x 22,23		80 m/s	6,600 rpm	10	277571	<b>6.32</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 251.















Grinding disc

## A 24 R SUPRA



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

**Advantages:** With optimised recipe for use on steel - Also suitable for use on stainless steel - Large product range

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 x 4 x 16		80 m/s	15,300 rpm	10	13400	<b>2.42</b>	11
100 x 6 x 16		80 m/s	15,300 rpm	10	6578	<b>2.70</b>	11
115 x 4 x 22,23		80 m/s	13,300 rpm	10	13746	<b>2.50</b>	11
115 x 6 x 22,23		80 m/s	13,300 rpm	10	13401	<b>2.75</b>	11
125 x 4 x 22,23		80 m/s	12,200 rpm	10	240831	<b>2.86</b>	11
125 x 6 x 22,23		80 m/s	12,200 rpm	10	13402	<b>3.18</b>	11
150 x 6 x 22,23		80 m/s	10,200 rpm	10	13403	<b>3.87</b>	11
180 x 4 x 22,23		80 m/s	8,500 rpm	10	13408	<b>3.74</b>	11
180 x 7 x 22,23		80 m/s	8,500 rpm	10	13413	<b>4.54</b>	11
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13418	<b>5.36</b>	11
180 x 10 x 22,23		80 m/s	8,500 rpm	10	13423	<b>6.81</b>	11
230 x 4 x 22,23		80 m/s	6,600 rpm	10	13428	<b>6.56</b>	11
230 x 6 x 22,23		80 m/s	6,600 rpm	10	13433	<b>7.30</b>	11
230 x 8 x 22,23		80 m/s	6,600 rpm	10	13438	<b>9.48</b>	11



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	Price/pc. £	Discount group
125 x 4 x 22,23		80 m/s	12,200 rpm	10	130825	<b>3.05</b>	11
180 x 4 x 22,23		80 m/s	8,500 rpm	10	13756	<b>3.99</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 251.

# Kronenflex® grinding discs

for handheld 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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 6 x 22,23		80 m/s	13,300 rpm	10	2923	<b>3.09</b>	11
125 x 6 x 22,23		80 m/s	12,200 rpm	10	2922	<b>3.54</b>	11
180 x 4 x 22,23		80 m/s	8,500 rpm	10	13407	<b>4.16</b>	11
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13412	<b>5.08</b>	11
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13417	<b>6.02</b>	11
230 x 6 x 22,23		80 m/s	6,600 rpm	10	13432	<b>8.16</b>	11

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, sulphur and chlorine - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 6 x 22,23		80 m/s	13,300 rpm	10	2488	<b>2.98</b>	11
125 x 6 x 22,23		80 m/s	12,200 rpm	10	2830	<b>3.41</b>	11
180 x 6 x 22,23		80 m/s	8,500 rpm	10	2463	<b>4.90</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 251.

Grinding disc

## A 46 N SUPRA



**Quality**





SUPRA

**Applications**

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

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	Price/pc. £	Discount group
115 x 6 x 22,23		80 m/s	13,300 rpm	10	6622	<b>3.07</b>	11
125 x 6 x 22,23		80 m/s	12,200 rpm	10	2226	<b>3.53</b>	11
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13410	<b>5.05</b>	11
180 x 8 x 22,23		80 m/s	8,500 rpm	10	13415	<b>5.99</b>	11

Thin cutting-off wheel & grinding disc

## A 46 VZ SPECIAL



**Quality**



SPECIAL

**Applications**

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

Stainless steel	●
NF metals	●
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	Price/pc. £	Discount group
115 x 2 x 22,23		80 m/s	13,300 rpm	25	298176	<b>2.86</b>	11
125 x 2 x 22,23		80 m/s	12,200 rpm	25	298177	<b>3.18</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 251.

# Kronenflex® grinding discs

for handheld machines

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 aluminum oxide

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
230 x 8 x 22,23		80 m/s	6,600 rpm	10	252871	10.59	11

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	Price/pc. £	Discount group
115 x 6 x 22,23		80 m/s	13,300 rpm	10	325215	3.42	11
125 x 6 x 22,23		80 m/s	12,200 rpm	10	325216	3.96	11
180 x 6 x 22,23		80 m/s	8,500 rpm	10	325217	5.66	11
230 x 6 x 22,23		80 m/s	6,600 rpm	10	325218	9.10	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 251.



Grinding disc

## A 24 TX SPECIAL



Quality	SPECIAL	Applications
Bond	■■■■■■■□	Castings ●
Aggression	■■■□□□□	Stainless steel ○
Service life	■■■■■■■□	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	Price/pc. £	Discount group
125 x 6 x 22,23		80 m/s	12,200 rpm	10	231251	<b>4.32</b>	11
230 x 6 x 22,23		80 m/s	6,600 rpm	10	231254	<b>9.93</b>	11




Grinding disc

## C 24 R SUPRA



Quality	SUPRA	Applications
Bond	■■■□□□□	Stone/Concrete ●
Aggression	■■■■□□□	Castings ○
Service life	■■■■□□□	

**Advantages:** Ideal for use on stone and mineral materials - High removal rate due to sharp, coarse SiC grain

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 6 x 22,23		80 m/s	13,300 rpm	10	6664	<b>2.89</b>	11
125 x 6 x 22,23		80 m/s	12,200 rpm	10	6665	<b>3.32</b>	11
180 x 6 x 22,23		80 m/s	8,500 rpm	10	13409	<b>4.75</b>	11

Recommended prices.

**Please observe:** Please see Applications Guide on page 211 - 219, 251.

# Kronenflex® cup grinding wheels

for handheld machines

Cup grinding wheel

## A 16 R

### SUPRA



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

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

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
110 x 55 x 22,23		50 m/s	8,600 rpm	6	13729	29.66	11

Cup grinding wheel

## A 30 R

### SUPRA



Quality	SUPRA					Applications
Bond	■	■	■	■	□	Steel ●
Aggression	■	■	■	■	□	
Service life	■	■	■	■	□	

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

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
110 x 55 x 22,23		50 m/s	8,600 rpm	6	13728	29.66	11

Recommended prices.

**Please observe: Use only on angle grinders with cup grinding wheel guard!**

**Please see Applications Guide on page 251.**

# Kronenflex® cup grinding wheels for handheld 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 - Optimised aggressiveness due to sharp, coarse SiC grain

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
110 x 55 x 22,23		50 m/s	8,600 rpm	6	13727	30.59	11

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	Price/pc. £	Discount group
110 x 55 x 22,23		50 m/s	8,600 rpm	6	13726	30.59	11

Recommended prices.







**Please observe: Use only on angle grinders with cup grinding wheel guard!**  
**Please see Applications Guide on page 251.**



# Diamond tools



Remain in full control of all processes: staying true to this motto, Klingspor managed to rise to be one of the world's first manufacturers of grinding and cutting tools. The company is now applying their extensive experience in research and development and manufacturing, their global network of distributors and their highly efficient service and logistics structure to their diamond tools.

Product	Machine	Application - Material	Type	Page
Diamond cutting blades	 Angle grinder	Universal	<b>DT 300 U EXTRA</b>	266
			<b>DT 300 UT EXTRA</b>	266
			<b>DT 600 U SUPRA</b>	267
			<b>DT 900 U SPECIAL</b>	267
			<b>DT 900 UD SPECIAL</b>	268
			<b>DT 900 UT SPECIAL</b>	268
		Concrete	<b>DT 900 B SPECIAL</b>	269
		Clinker	<b>DT 900 K SPECIAL</b>	269
		Granite	<b>DT 600 G SUPRA</b>	270
			<b>DT 900 G SPECIAL</b>	270
		Tiles	<b>DT 300 F EXTRA</b>	271
			<b>DT 600 F SUPRA</b>	271
		Mortar rake	<b>DT 900 FT SPECIAL</b>	272
			<b>DN 600 U SUPRA</b>	272
		Cup grinding wheel	<b>DS 300 B EXTRA</b>	273
			<b>DS 600 B SUPRA</b>	273
	 Wall chaser	Universal	<b>DT 300 U EXTRA</b>	274
			<b>DT 600 U SUPRA</b>	274
	 Petrol powered cutter	Universal	<b>DT 300 U EXTRA</b>	275
			<b>DT 600 U SUPRA</b>	275
		Asphalt	<b>DT 602 A SUPRA</b>	276
		Concrete	<b>DT 900 B SPECIAL</b>	276
	 Table saw	Universal	<b>DT 300 U EXTRA</b>	277
			<b>DT 600 U SUPRA</b>	277
			<b>DT 900 U SPECIAL</b>	278
		Clinker	<b>DT 900 K SPECIAL</b>	279
		Tiles	<b>DT 300 F EXTRA</b>	280
Drill bits	 Joint cutter	Refractory brick	<b>DT 600 F SUPRA</b>	280
			<b>DT 900 R SPECIAL</b>	281
		Asphalt	<b>DT 602 A SUPRA</b>	282
			<b>DT 902 A SPECIAL</b>	282
			<b>DT 910 A SPECIAL</b>	283
		Concrete	<b>DT 602 B SUPRA</b>	283
			<b>DT 902 B SPECIAL</b>	284
			<b>DT 910 B SPECIAL</b>	284
			<b>DK 612 B SUPRA</b>	285
			<b>DK 654 B SUPRA</b>	286
	 Drilling machine	Concrete	<b>DE 600 B SUPRA</b>	287
			<b>DR 912 B SPECIAL</b>	288
			<b>DO 900 B SPECIAL</b>	289
			<b>DD 600 U SUPRA</b>	290
			<b>DK 600 F SUPRA</b>	290
			<b>DB 600 F SUPRA</b>	291
			<b>ADS 200</b>	291
			<b>ABH 80</b>	292

# Diamond tools

## Applications guide

### The three product lines

The right tool for every application: Klingspor diamond tools are available in three product lines that are colour-coded to provide the user with a quick overview of the most important materials for which the tools are suitable.



#### **SPECIAL**

Product line 900 – High performance tools offering outstanding cutting performance and service life. For users who need their tools to perform at peak output and reliability even if subjected to the most punishing applications.



#### **SUPRA**

Product line 600 – Professional tools with an exceptional price-performance ratio. For users who require diamond tools that deliver reliable and powerful performance every day.

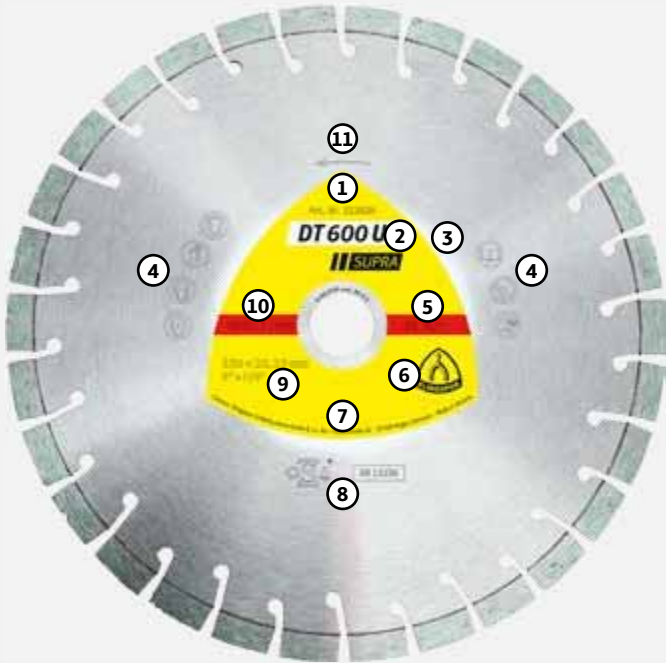


#### **EXTRA**

Product line 300 – Brand name quality at an affordable price. For users who expect their tools to meet professional standards, but do not need to use them continuously.



- 1. Klingspor Cat. No.
- 2. Product group / type
- 3. Applications
- 4. Safety pictograms
- 5. Max. operating speed
- 6. Klingspor logo



- 7. Information about the manufacturer
- 8. Safety standard
- 9. Dimensions in mm and inches
- 10. Max. RPM
- 11. Rotational direction

**Colour-coding system of the Klingspor® diamond tools**



**Asphalt**  
Black



**Tiles**  
Green



**Stone/Fireproof**  
Blue

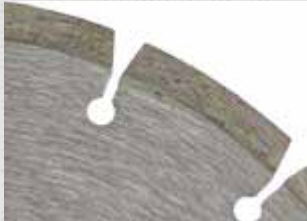


**Concrete**  
Red



**Universal**  
White

### Types of segments



1.

#### Standard gullet

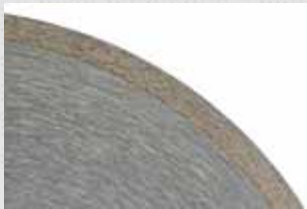
- ▶ rapid feed rate
- ▶ exceptional cutting properties



2.

#### Turbo continuous rim

- ▶ exceptionally smooth operation
- ▶ clean cutting edges



3.

#### Continuous rim

- ▶ clean cutting edges
- ▶ work with superior precision
- ▶ short cutting times



4.

#### Turbo segments

- ▶ exceptionally smooth operation
- ▶ clean cutting edges
- ▶ fast cutting speed
- ▶ long service life



5.

#### Short segments

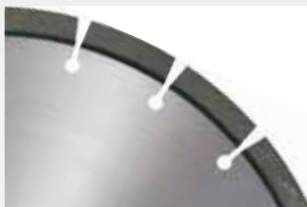
- ▶ first-rate cutting performance
- ▶ clean cutting edges



6.

#### Wide gullet

- ▶ high feed rate



7.

#### Narrow gullet

- ▶ clean cut
- ▶ exceptionally smooth operation thanks to narrow segment spacings



8.

#### Hammer segments

- ▶ prevent rear grinding
- ▶ prevent segments tearing off
- ▶ optimal protection thanks to segments soldered in

## Number of revolutions

Diamond tools made by Klingspor are high performance products and have been engineered to reach their highest level of performance at a level immediately below their maximum peripheral surface speeds. The maximum permissible values for motor speed and operating speed are indicated on every diamond blade. The table

below contains all permissible maximum speeds as a function of the diameter and the maximum permissible operating speed of the diamond tools.

		Maximum operating speed [m/s]									
Ø [mm]		30	35	40	45	50	55	60	70	80	100
	200	2.865	3.342	3.820	4.297	4.775	5.252	5.730	6.685	7.640	
	230	2.491	2.906	3.322	3.737	4.152	4.567	4.982	5.813	6.643	
	250	2.292	2.674	3.056	3.438	3.820	4.202	4.584	5.348	6.112	
	300	1.910	2.228	2.547	2.865	3.183	3.502	3.820	4.456	5.093	6.360
	350	1.637	1.910	2.183	2.456	2.728	3.001	3.274	3.820	4.366	5.450
	400	1.432	1.671	1.910	2.149	2.387	2.626	2.865	3.342	3.820	4.770
	450	1.273	1.485	1.698	1.910	2.122	2.334	2.547	2.971	3.395	4.240
	500	1.146	1.337	1.528	1.719	1.910	2.101	2.292	2.674	3.056	3.810
	550	1.042	1.215	1.389	1.563	1.736	1.910	2.084	2.431	2.778	
	600	955	1.114	1.273	1.432	1.592	1.751	1.910	2.228	2.547	

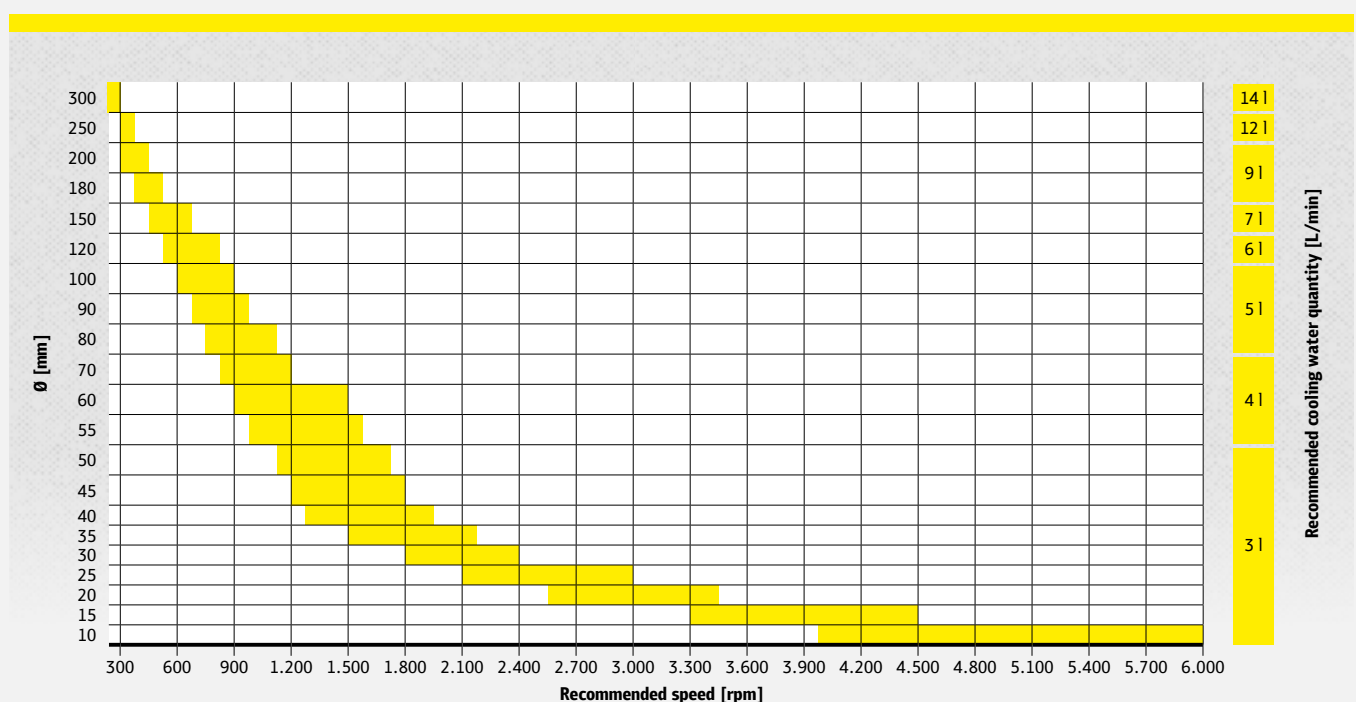
## Motor speeds and cooling water quantity

### The recommended speed range

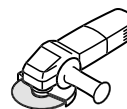
The chart illustrates the ideal speed range for drill bits as a function of the diameter and the maximum permissible operating speed.

### Recommended cooling water quantity

Drill bits require cooling with water regardless of the material on which they are used. Refer to the right side of the table for the recommended quantity of cooling water.



# Diamond cutting blades for angle grinders



Universal

Diamond cutting blade

## DT 300 U EXTRA



### Properties

Design	Sintered
Segmentation	Standard
Aggression	■■■■□□□□
Service life	■■■■□□□□

### Applications

Construction materials	●
Concrete, universal	●

**Advantages:** Product for universal use on general construction material - Excellent cutting performance - Great price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	8 / 37 / 1,6 / 7	1	325345	<b>8.47</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	9 / 36 / 1,6 / 7	1	325346	<b>9.45</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	13 / 38 / 2 / 7	1	325347	<b>15.10</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	16 / 40 / 2,3 / 7	1	325348	<b>18.89</b>	12

Universal

Diamond cutting blade

## DT 300 UT EXTRA



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■□□□□
Service life	■■■■□□□□

### Applications

Construction materials	●
Concrete, universal	●

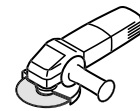
**Advantages:** Suitable for a various range of applications - Excellent cutting performance - Great price-performance ratio - Turbo segments for clean and nick-free edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	CR / CR / 1,9 / 7	1	325353	<b>8.86</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	CR / CR / 1,9 / 7	1	325354	<b>9.84</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	CR / CR / 2,2 / 7	1	325355	<b>15.68</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	CR / CR / 2,5 / 7	1	325356	<b>19.58</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for angle grinders



Universal

Diamond cutting blade

## DT 600 U SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

### Applications

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●



• Short segments

**Advantages:** Suitable for a various range of applications - First-rate cutting performance - Exceptional service life thanks to the use of premium grade raw materials and diamonds - Clean cutting edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
100 x 16	80 m/s	15,300 rpm	Angle grinder	11 / 20 / 2,4 / 9	1	325025	<b>15.10</b>	12
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	13 / 20 / 2,4 / 9	1	322630	<b>16.95</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	15 / 20 / 2,4 / 9	1	322631	<b>18.89</b>	12
150 x 22,23	80 m/s	10,200 rpm	Angle grinder	18 / 20 / 2,4 / 9	1	322632	<b>24.54</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	22 / 20 / 2,6 / 9	1	322633	<b>30.19</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	30 / 20 / 2,6 / 9	1	322634	<b>37.69</b>	12

Universal

Diamond cutting blade

## DT 900 U SPECIAL



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■

### Applications

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●
Hard stone	●



• Turbo segments  
• Titanium-coated diamonds

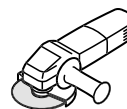
**Advantages:** Ultra fast cutting speed on almost any hard material thanks to specially designed turbo segments - Further increased service life thanks to titanium-coated diamonds even on reinforced concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	8 / 33 / 2,4 / 12	1	325206	<b>28.77</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	9 / 33 / 2,4 / 12	1	325209	<b>32.02</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	11 / 42 / 2,6 / 12	1	325028	<b>51.23</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	15 / 42 / 2,6 / 12	1	325045	<b>64.04</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for angle grinders



Universal

Diamond cutting blade

## DT 900 UD SPECIAL



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■■■
Service life	■■■■■■■■

### Applications

Cured concrete, reinforced	●
Concrete, universal	●
Construction materials	●
Chalky sandstone	●
Hard stone	○



- Turbo segments
- Titanium-coated diamonds
- Denso core

**Advantages:** Ultra fast cutting speed thanks to specially designed turbo segments - Low vibration denso core for efficient noise reduction - Extended service life thanks to titanium-coated diamonds, suitable for use on almost any hard material

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	15 / 42 / 2,6 / 12	1	325210	<b>65.85</b>	12

Universal

Diamond cutting blade

## DT 900 UT SPECIAL



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■■■■□
Service life	■■■■■■■□

### Applications

Concrete, universal	●
Roof tiles	●
Construction materials	●



- Wave-shaped core

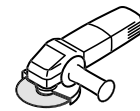
**Advantages:** Wave-shaped steel core - Use on construction material - Clean cutting edges - High aggressiveness

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	CR / CR / 2,2 / 10	1	325364	<b>18.70</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	CR / CR / 2,2 / 10	1	325365	<b>20.75</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	CR / CR / 2,5 / 10	1	325366	<b>33.21</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	CR / CR / 2,5 / 10	1	325367	<b>41.49</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for angle grinders



Concrete

Diamond cutting blade

## DT 900 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■
Service life	■■■■■■■

### Applications

Cured concrete, reinforced	●
Concrete, universal	●
Chalky sandstone	⓪
Construction materials	⓪



• Titanium-coated diamonds

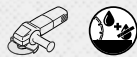
**Advantages:** Titanium-coated diamonds for first-rate cutting performance – Fast cutting speed even on reinforced concrete - Unrivalled service life - Designed for professional applications on concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	8 / 33 / 2,4 / 12	1	325205	<b>29.63</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	9 / 33 / 2,4 / 12	1	325208	<b>32.98</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	11 / 42 / 2,4 / 12	1	325027	<b>52.76</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	15 / 42 / 2,6 / 12	1	325034	<b>65.85</b>	12

Clinker

Diamond cutting blade

## DT 900 K SPECIAL



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■□□
Service life	■■■■■■□□

### Applications

Clinker	●
Concrete products	⓪
Construction materials	⓪

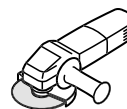
**Advantages:** Exceptional cutting performance - Outstanding service life - Narrow gullet for smooth cutting and clean cutting edges - Particularly well suited for clinker of all degrees of hardness

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	8 / 33 / 2,4 / 12	1	325204	<b>21.23</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	9 / 33 / 2,4 / 12	1	325207	<b>23.57</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	11 / 42 / 2,6 / 12	1	325026	<b>37.69</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	15 / 42 / 2,6 / 12	1	325033	<b>47.14</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for angle grinders



Granite

Diamond cutting blade

## DT 600 G SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications

Granite	●
Terrazzo	●

**Advantages:** High stock removal rate - Excellent service life - Clean cutting - Great price-performance ratio - Suitable for all types of granite

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	13 / 20 / 2,4 / 9	1	325030	<b>23.76</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	15 / 20 / 2,4 / 9	1	325032	<b>26.39</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	22 / 20 / 2,6 / 9	1	325096	<b>42.27</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	30 / 20 / 2,6 / 9	1	325162	<b>52.79</b>	12

Granite

Diamond cutting blade

## DT 900 G SPECIAL



### Properties

Design	Laser welded
Segmentation	Special segment
Aggression	■■■■■■■■■
Service life	■■■■■■■■■

### Applications

Granite	●
Porphyry, quartzite	●
Terrazzo	●



- Conical segments
- Titanium-coated diamonds
- Denenso core

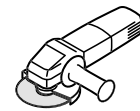
**Advantages:** Outstanding cutting properties thanks to particularly narrow spacing of the tapered segments - Low vibration denenso core for efficient noise reduction - Smooth and quiet cutting with clean cutting edges - Long service life - Also the perfect choice for all types of granite including porphyry and quartzite

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	12 / 28 / 2,5 / 12	1	325029	<b>43.20</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	13 / 28 / 2,5 / 12	1	325031	<b>47.98</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	18 / 28 / 2,8 / 12	1	325049	<b>76.85</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	24 / 28 / 2,8 / 12	1	325115	<b>95.58</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for angle grinders



Tiles

Diamond cutting blade

## DT 300 F EXTRA



### Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■□□□□
Service life	■■■■□□□□

### Applications

Tiles	●
Stove tiles	●

**Advantages:** Clean edges when used for cutting tiles - Attractively priced quality wheel

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	CR / CR / 1,6 / 7	1	325357	<b>7.60</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	CR / CR / 1,6 / 7	1	325358	<b>8.47</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	CR / CR / 1,6 / 7	1	325359	<b>13.54</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	CR / CR / 1,9 / 7	1	325360	<b>16.95</b>	12

Tiles

Diamond cutting blade

## DT 600 F SUPRA



### Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■■□□□
Service life	■■■■■□□□

### Applications

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

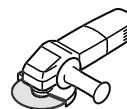
**Advantages:** Professional wheel for tiles and feldspar - For high-precision working - Short cutting off times - Clean edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	CR / CR / 1,6 / 7	1	325368	<b>11.01</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	CR / CR / 1,6 / 7	1	325369	<b>12.27</b>	12
150 x 22,23	80 m/s	10,200 rpm	Angle grinder	CR / CR / 1,6 / 7	1	325370	<b>15.97</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	CR / CR / 1,6 / 7	1	325371	<b>19.58</b>	12
230 x 22,23	80 m/s	6,600 rpm	Angle grinder	CR / CR / 1,9 / 7	1	325372	<b>24.54</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for angle grinders



Stoneware

Diamond cutting blade

## DT 900 FT SPECIAL



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■■■■
Service life	■■■■■■■□

### Applications

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●
Granite	●

**Advantages:** 1.4 mm thin professional blade for extremely demanding applications - Work results of superior quality - Continuous rim with turbo segments - Clean and nick-free edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	CR / CR / 1,4 / 7	1	325392	<b>20.36</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	CR / CR / 1,4 / 7	1	325393	<b>22.60</b>	12

Mortar joints

Diamond cutting blade

## DN 600 U SUPRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□

### Applications

Screed joints	●
Plaster	●
Aerated concrete	●

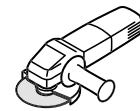
**Advantages:** Special broaching wheel with robust design for removing mortar from bricks, natural stones and clinker facades - Specially designed hammer segments - Optimum protection of the steel core

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	9 / 33 / 4,5 / 7	1	325380	<b>50.85</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	10 / 33 / 4,5 / 7	1	325381	<b>56.49</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 261 - 265.

# Diamond cup grinding wheels for angle grinders



Concrete

Diamond cup grinding wheel

## DS 300 B EXTRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ □ □

### Applications

Concrete	●
Screed	●
Construction materials	●

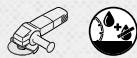
**Advantages:** Double row cup grinding wheel with outstanding stock removal performance - High aggressiveness at low force requirements - Exceptional price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	20 / 7 / 5,5	1	325361	<b>32.21</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	20 / 7 / 5,5	1	325362	<b>39.38</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	24 / 7 / 5,5	1	325363	<b>57.25</b>	12

Concrete

Diamond cup grinding wheel

## DS 600 B SUPRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ ■ □

### Applications

Concrete	●
Screed	●
Construction materials	●

**Advantages:** Double row cup grinding wheel for machining concrete and abrasive materials - Efficient dust extraction - Aggressive grinding performance - Long service life

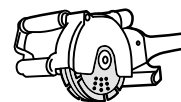
Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Angle grinder	18 / 8,5 / 5	1	325377	<b>50.85</b>	12
125 x 22,23	80 m/s	12,200 rpm	Angle grinder	18 / 8,5 / 5	1	325378	<b>62.13</b>	12
180 x 22,23	80 m/s	8,500 rpm	Angle grinder	24 / 8,5 / 5	1	325379	<b>90.32</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

Diamond cutting tools

# Diamond cutting blades for wall chaser



Universal

Diamond cutting blade

## DT 300 U EXTRA



### Properties

Design	Sintered
Segmentation	Standard
Aggression	■ ■ ■ □ □ □ □
Service life	■ ■ ■ □ □ □ □

### Applications

Concrete, universal	●
Construction materials	●

**Advantages:** Product for universal use on general construction material - Excellent cutting performance - Great price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Wall chaser	8 / 37 / 1,6 / 7	1	325345	<b>8.47</b>	12
125 x 22,23	80 m/s	12,200 rpm	Wall chaser	9 / 36 / 1,6 / 7	1	325346	<b>9.45</b>	12

Universal

Diamond cutting blade

## DT 600 U SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

### Applications

Cured concrete, reinforced	●
Concrete, universal	●
Construction materials	●
Chalky sandstone	●

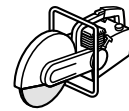
**Advantages:** Exceptional cutting performance - Long service life thanks to the use of premium-grade raw materials and diamonds - Clean cutting edges - Suitable for a various range of applications

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115 x 22,23	80 m/s	13,300 rpm	Wall chaser	13 / 20 / 2,4 / 9	1	322630	<b>16.95</b>	12
125 x 22,23	80 m/s	12,200 rpm	Wall chaser	15 / 20 / 2,4 / 9	1	322631	<b>18.89</b>	12
140 x 22,23	80 m/s	11,000 rpm	Wall chaser	17 / 20 / 2,4 / 9	1	325046	<b>22.60</b>	12
150 x 22,23	80 m/s	10,200 rpm	Wall chaser	18 / 20 / 2,4 / 9	1	322632	<b>24.54</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for petrol powered cutters



Universal

Diamond cutting blade

## DT 300 U EXTRA



### Properties

Design	Sintered
Segmentation	Standard
Aggression	■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■

### Applications

Construction materials	●
------------------------	---

**Advantages:** Product for universal use on general construction material - Excellent cutting performance - Great price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 20	100 m/s	6,400 rpm	Petr. pow. cutter	17 / 50 / 2,8 / 7	1	326831	<b>35.84</b>	12

Universal

Diamond cutting blade

## DT 600 U SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■

### Applications

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●



• Short segments

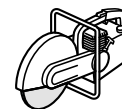
**Advantages:** High cutting performance - Long service life thanks to the use of premium-grade raw materials and diamonds - Clean cutting edges - Effortless cutting thanks to short serrated segments

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 20	100 m/s	6,400 rpm	Petr. pow. cutter	32 / 24 / 2,8 / 10	1	325183	<b>71.68</b>	12
300 x 25,4	100 m/s	6,400 rpm	Petr. pow. cutter	32 / 24 / 2,8 / 10	1	325184	<b>71.68</b>	12
350 x 20	100 m/s	5,500 rpm	Petr. pow. cutter	37 / 24 / 3 / 10	1	325194	<b>90.58</b>	12
350 x 25,4	100 m/s	5,500 rpm	Petr. pow. cutter	37 / 24 / 3 / 10	1	325195	<b>90.58</b>	12
400 x 20	100 m/s	4,800 rpm	Petr. pow. cutter	43 / 24 / 3,2 / 10	1	325197	<b>120.77</b>	12
400 x 25,4	100 m/s	4,800 rpm	Petr. pow. cutter	43 / 24 / 3,2 / 10	1	325198	<b>120.77</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for petrol powered cutters



Asphalt

Diamond cutting blade

## DT 602 A SUPRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□
Service life	■■■■■□□□

### Applications

Asphalt	●
Sandstone	●

**Advantages:** First-rate cutting performance - Long service life - Protective segments to guard the blade - Great price-performance ratio - Specially engineered for applications on asphalt - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 20	100 m/s	6,400 rpm	Petr. pow. cutter		18 / 40 / 2,8 / 10	1	327025	<b>86.00</b>	12
350 x 20	100 m/s	5,500 rpm	Petr. pow. cutter		21 / 40 / 3,2 / 10	1	327026	<b>108.69</b>	12
400 x 20	100 m/s	4,800 rpm	Petr. pow. cutter		24 / 40 / 3,4 / 10	1	327027	<b>144.93</b>	12

Concrete

Diamond cutting blade

## DT 900 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■■
Service life	■■■■■■■

### Applications

Cured concrete, reinforced	●
Concrete, universal	●
Construction materials	●
Chalky sandstone	●



- Turbo segments
- Titanium-coated diamonds

**Advantages:** High performance blade with ultra high cutting speed thanks to turbo segments - Specially engineered for effortless cutting through concrete - Further increased service life thanks to titanium-coated diamonds

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 20	100 m/s	6,400 rpm	Petr. pow. cutter	21 / 40 / 2,8 / 12	1	325078	<b>98.56</b>	12
300 x 25,4	100 m/s	6,400 rpm	Petr. pow. cutter	21 / 40 / 2,8 / 12	1	325079	<b>98.56</b>	12
350 x 20	100 m/s	5,500 rpm	Petr. pow. cutter	21 / 40 / 3 / 12	1	325080	<b>113.17</b>	12
350 x 25,4	100 m/s	5,500 rpm	Petr. pow. cutter	21 / 40 / 3 / 12	1	325081	<b>113.17</b>	12
400 x 20	100 m/s	4,800 rpm	Petr. pow. cutter	24 / 40 / 3,2 / 12	1	325113	<b>150.96</b>	12
400 x 25,4	100 m/s	4,800 rpm	Petr. pow. cutter	24 / 40 / 3,2 / 12	1	325114	<b>150.96</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for table saws



Universal

Diamond cutting blade

## DT 300 U EXTRA



### Properties

Design	Sintered
Segmentation	Standard
Aggression	■ ■ ■ □ □ □ □
Service life	■ ■ ■ □ □ □ □

### Applications

Construction materials	●
------------------------	---



**Advantages:** Suitable for a various range of applications - Excellent cutting performance - Great price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Table saw	17 / 50 / 2,8 / 7	1	325349	<b>35.84</b>	12
300 x 30	100 m/s	6,400 rpm	Table saw	17 / 50 / 2,8 / 7	1	325351	<b>35.84</b>	12
350 x 25,4	100 m/s	5,500 rpm	Table saw	20 / 50 / 2,8 / 7	1	325350	<b>45.29</b>	12
350 x 30	100 m/s	5,500 rpm	Table saw	20 / 50 / 2,8 / 7	1	325352	<b>45.29</b>	12

Universal

Diamond cutting blade

## DT 600 U SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

### Applications

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●



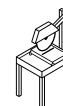
**Advantages:** Universal tool for construction material with good cutting properties - High cutting speed thanks to short segment design - Long service life thanks to the use of premium grade raw materials and diamonds

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Table saw	32 / 24 / 2,8 / 10	1	325184	<b>71.68</b>	12
300 x 30	100 m/s	6,400 rpm	Table saw	32 / 24 / 2,8 / 10	1	325185	<b>71.68</b>	12
350 x 25,4	100 m/s	5,500 rpm	Table saw	37 / 24 / 3 / 10	1	325195	<b>90.58</b>	12
350 x 30	100 m/s	5,500 rpm	Table saw	37 / 24 / 3 / 10	1	325196	<b>90.58</b>	12
400 x 25,4	100 m/s	4,800 rpm	Table saw	43 / 24 / 3,2 / 10	1	325198	<b>120.77</b>	12
400 x 30	100 m/s	4,800 rpm	Table saw	43 / 24 / 3,2 / 10	1	325199	<b>120.77</b>	12
450 x 25,4	100 m/s	4,300 rpm	Table saw	48 / 24 / 3,6 / 10	1	325201	<b>150.96</b>	12
450 x 30	100 m/s	4,300 rpm	Table saw	48 / 24 / 3,6 / 10	1	325200	<b>150.96</b>	12
500 x 25,4	100 m/s	3,900 rpm	Table saw	54 / 24 / 3,6 / 10	1	325203	<b>181.16</b>	12
500 x 30	100 m/s	3,900 rpm	Table saw	54 / 24 / 3,6 / 10	1	325202	<b>181.16</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for table saws



Universal

Diamond cutting blade

## DT 900 U SPECIAL



### Properties

Design	Laser welded
Segmentation	Narrow/wide gullet
Aggression	■■■■■■■■
Service life	■■■■■■■■

### Applications

Construction materials	●	Granite	●
Concrete, universal	●		
Cured concrete, reinforced	●		
Chalky sandstone	●		

**Advantages:** Suitable for a wide range of applications - Ultra fast cutting speed - Special segment bond for long service life and clean cuts - Engineered for professional use

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Table saw		18 / 40 / 2,8 / 10	1	325053	<b>89.60</b>	12
300 x 30	100 m/s	6,400 rpm	Table saw		18 / 40 / 2,8 / 10	1	325052	<b>89.60</b>	12
300 x 25,4	100 m/s	6,400 rpm	Table saw		21 / 40 / 2,8 / 10	1	325067	<b>98.56</b>	12
300 x 30	100 m/s	6,400 rpm	Table saw		21 / 40 / 2,8 / 10	1	325066	<b>98.56</b>	12
350 x 25,4	100 m/s	5,500 rpm	Table saw		21 / 40 / 3 / 10	1	325085	<b>113.17</b>	12
350 x 30	100 m/s	5,500 rpm	Table saw		21 / 40 / 3 / 10	1	325084	<b>113.17</b>	12
350 x 25,4	100 m/s	5,500 rpm	Table saw		24 / 40 / 3 / 10	1	325100	<b>124.57</b>	12
350 x 30	100 m/s	5,500 rpm	Table saw		24 / 40 / 3 / 10	1	325099	<b>124.57</b>	12
400 x 25,4	100 m/s	4,800 rpm	Table saw		24 / 40 / 3,2 / 10	1	325117	<b>150.96</b>	12
400 x 30	100 m/s	4,800 rpm	Table saw		24 / 40 / 3,2 / 10	1	325116	<b>150.96</b>	12
400 x 25,4	100 m/s	4,800 rpm	Table saw		28 / 40 / 3,2 / 10	1	325141	<b>166.06</b>	12
400 x 30	100 m/s	4,800 rpm	Table saw		28 / 40 / 3,2 / 10	1	325140	<b>166.06</b>	12
450 x 25,4	100 m/s	4,300 rpm	Table saw		26 / 40 / 3,6 / 10	1	325133	<b>188.66</b>	12
450 x 30	100 m/s	4,300 rpm	Table saw		26 / 40 / 3,6 / 10	1	325132	<b>188.66</b>	12
450 x 25,4	100 m/s	4,300 rpm	Table saw		32 / 40 / 3,6 / 10	1	325176	<b>207.55</b>	12
450 x 30	100 m/s	4,300 rpm	Table saw		32 / 40 / 3,6 / 10	1	325175	<b>207.55</b>	12
500 x 25,4	100 m/s	3,900 rpm	Table saw		30 / 40 / 3,7 / 10	1	325164	<b>226.45</b>	12
500 x 30	100 m/s	3,900 rpm	Table saw		30 / 40 / 3,7 / 10	1	325163	<b>226.45</b>	12
500 x 25,4	100 m/s	3,900 rpm	Table saw		36 / 40 / 3,7 / 10	1	325155	<b>249.04</b>	12
500 x 30	100 m/s	3,900 rpm	Table saw		36 / 40 / 3,7 / 10	1	325154	<b>249.04</b>	12

Recommended prices.

**Please observe: Please see Applications Guide on page 261 - 265.**

Diamond cutting blade

## DT 900 K SPECIAL











### Properties

Design	Laser welded
Segmentation	Narrow/wide gullet
Aggression	■■■■■■■
Service life	■■■■■■■□

### Applications

Clinker	●
Concrete products	●
Construction materials	○

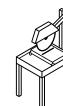
**Advantages:** Exceptional cutting performance - Outstanding service life - Narrow gullet for smooth cutting and clean cutting edges - Particularly well suited for clinker of all degrees of hardness

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Table saw		18 / 40 / 2,8 / 10	1	325051	<b>89.60</b>	12
300 x 30	100 m/s	6,400 rpm	Table saw		18 / 40 / 2,8 / 10	1	325050	<b>89.60</b>	12
300 x 25,4	100 m/s	6,400 rpm	Table saw		21 / 40 / 2,8 / 10	1	325065	<b>98.56</b>	12
300 x 30	100 m/s	6,400 rpm	Table saw		21 / 40 / 2,8 / 10	1	325064	<b>98.56</b>	12
350 x 25,4	100 m/s	5,500 rpm	Table saw		21 / 40 / 3 / 10	1	325083	<b>113.17</b>	12
350 x 30	100 m/s	5,500 rpm	Table saw		21 / 40 / 3 / 10	1	325082	<b>113.17</b>	12
350 x 25,4	100 m/s	5,500 rpm	Table saw		24 / 40 / 3 / 10	1	325098	<b>124.57</b>	12
350 x 30	100 m/s	5,500 rpm	Table saw		24 / 40 / 3 / 10	1	325097	<b>124.57</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for table saws



Tiles

Diamond cutting blade

## DT 300 F EXTRA



### Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications

Tiles	●
Stove tiles	●

**Advantages:** Standard tool for clean and nick-free edges - Good price-performance ratio - Reduced bore 25.4/30

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
200 x 25,4/30	80 m/s	7,600 rpm	Table saw	CR / CR / 1,6 / 7	1	325454	<b>16.17</b>	12

Tiles

Diamond cutting blade

## DT 600 F SUPRA



### Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

**Advantages:** Professional wheel for tiles and feldspar - Continuous rim for clean and nick-free edges - Reduced bore 25.4/30

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
180 x 25,4/30	80 m/s	8,500 rpm	Table saw	CR / CR / 1,6 / 7	1	325455	<b>19.58</b>	12
200 x 25,4/30	80 m/s	7,600 rpm	Table saw	CR / CR / 1,9 / 7	1	325373	<b>23.28</b>	12
250 x 25,4/30	80 m/s	6,100 rpm	Table saw	CR / CR / 1,9 / 7	1	325374	<b>36.82</b>	12
300 x 25,4/30	100 m/s	6,400 rpm	Table saw	CR / CR / 2 / 7	1	325375	<b>46.65</b>	12
350 x 25,4/30	100 m/s	5,500 rpm	Table saw	CR / CR / 2 / 7	1	325376	<b>58.83</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for table saws



Firebrick

Diamond cutting blade

## DT 900 R SPECIAL



### Properties

Design	Laser welded
Segmentation	Narrow/wide gullet
Aggression	■■■■■■■■
Service life	■■■■■■■■

### Applications

Firebrick	●
Refractory brick, universal	●

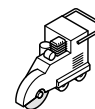
**Advantages:** High performance blade, specially engineered for firebrick and refractory brick - Ultra fast cutting speed - Outstanding service life - Clean cut

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Table saw		18 / 40 / 2,8 / 10	1	325055	<b>178.73</b>	12
300 x 30	100 m/s	6,400 rpm	Table saw		18 / 40 / 2,8 / 10	1	325054	<b>178.73</b>	12
300 x 25,4	100 m/s	6,400 rpm	Table saw		21 / 40 / 2,8 / 10	1	325069	<b>196.89</b>	12
300 x 30	100 m/s	6,400 rpm	Table saw		21 / 40 / 2,8 / 10	1	325068	<b>196.89</b>	12
350 x 25,4	100 m/s	5,500 rpm	Table saw		21 / 40 / 3 / 10	1	325087	<b>225.57</b>	12
350 x 30	100 m/s	5,500 rpm	Table saw		21 / 40 / 3 / 10	1	325086	<b>225.57</b>	12
350 x 25,4	100 m/s	5,500 rpm	Table saw		24 / 40 / 3 / 10	1	325102	<b>248.51</b>	12
350 x 30	100 m/s	5,500 rpm	Table saw		24 / 40 / 3 / 10	1	325101	<b>248.51</b>	12
400 x 25,4	100 m/s	4,800 rpm	Table saw		24 / 40 / 3,2 / 10	1	325119	<b>301.08</b>	12
400 x 30	100 m/s	4,800 rpm	Table saw		24 / 40 / 3,2 / 10	1	325118	<b>301.08</b>	12
400 x 25,4	100 m/s	4,800 rpm	Table saw		28 / 40 / 3,2 / 10	1	325143	<b>331.66</b>	12
400 x 30	100 m/s	4,800 rpm	Table saw		28 / 40 / 3,2 / 10	1	325142	<b>331.66</b>	12
450 x 25,4	100 m/s	4,300 rpm	Table saw		26 / 40 / 3,6 / 10	1	325135	<b>376.59</b>	12
450 x 30	100 m/s	4,300 rpm	Table saw		26 / 40 / 3,6 / 10	1	325134	<b>376.59</b>	12
450 x 25,4	100 m/s	4,300 rpm	Table saw		32 / 40 / 3,6 / 10	1	325178	<b>413.86</b>	12
450 x 30	100 m/s	4,300 rpm	Table saw		32 / 40 / 3,6 / 10	1	325177	<b>413.86</b>	12
500 x 25,4	100 m/s	3,900 rpm	Table saw		30 / 40 / 3,7 / 10	1	325166	<b>452.09</b>	12
500 x 30	100 m/s	3,900 rpm	Table saw		30 / 40 / 3,7 / 10	1	325165	<b>452.09</b>	12
500 x 25,4	100 m/s	3,900 rpm	Table saw		36 / 40 / 3,7 / 10	1	325157	<b>497.02</b>	12
500 x 30	100 m/s	3,900 rpm	Table saw		36 / 40 / 3,7 / 10	1	325156	<b>497.02</b>	12

Recommended prices.

**Please observe: Please see Applications Guide on page 261 - 265.**

# Diamond cutting blades for joint cutters



Asphalt

Diamond cutting blade

## DT 602 A SUPRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□
Service life	■■■■■□□□

### Applications

Asphalt	●
Sandstone	●



• Protective segments

**Advantages:** First-rate cutting performance - Protective segments to guard the blade - Great price-performance ratio - Specially engineered for applications on asphalt - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Joint cutter		18 / 40 / 2,8 / 10	1	325060	<b>86.00</b>	12
350 x 25,4	100 m/s	5,500 rpm	Joint cutter		21 / 40 / 3,2 / 10	1	325092	<b>108.69</b>	12
400 x 25,4	100 m/s	4,800 rpm	Joint cutter		24 / 40 / 3,4 / 10	1	325124	<b>144.93</b>	12
450 x 25,4	100 m/s	4,300 rpm	Joint cutter		25 / 40 / 3,7 / 10	1	325128	<b>181.16</b>	12
500 x 25,4	100 m/s	3,900 rpm	Joint cutter		30 / 40 / 3,7 / 10	1	325171	<b>217.39</b>	12

Asphalt

Diamond cutting blade

## DT 902 A SPECIAL



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■■■
Service life	■■■■■■■□

### Applications

Asphalt	●
Sandstone	●
Green concrete	●
Screed	●



• Protective segments

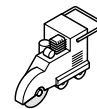
**Advantages:** High cutting performance - 12 mm high segments - Protective segments to guard the blade

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Joint cutter		18 / 40 / 2,8 / 12	1	325062	<b>121.39</b>	12
350 x 25,4	100 m/s	5,500 rpm	Joint cutter		21 / 40 / 3,2 / 12	1	325094	<b>153.88</b>	12
400 x 25,4	100 m/s	4,800 rpm	Joint cutter		24 / 40 / 3,4 / 12	1	325126	<b>204.54</b>	12
450 x 25,4	100 m/s	4,300 rpm	Joint cutter		25 / 40 / 3,7 / 12	1	325130	<b>256.15</b>	12
500 x 25,4	100 m/s	3,900 rpm	Joint cutter		30 / 40 / 3,7 / 12	1	325173	<b>306.81</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for joint cutters



Asphalt

Diamond cutting blade

## DT 910 A SPECIAL



• Protective segments

### Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ ■ ■ ■

### Applications

Asphalt	●
Sandstone	●
Green concrete	●
Screed	●

**Advantages:** Good cutting performance - 12 mm high segments - Protective segments to guard the blade - Exceptional service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Joint cutter		21 / 40 / 2,8 / 12	1	325077	<b>149.10</b>	12
350 x 25,4	100 m/s	5,500 rpm	Joint cutter		24 / 40 / 3,2 / 12	1	325110	<b>189.25</b>	12
400 x 25,4	100 m/s	4,800 rpm	Joint cutter		28 / 40 / 3,4 / 12	1	325147	<b>251.38</b>	12
450 x 25,4	100 m/s	4,300 rpm	Joint cutter		30 / 40 / 3,7 / 12	1	325161	<b>314.46</b>	12
500 x 25,4	100 m/s	3,900 rpm	Joint cutter		35 / 40 / 3,7 / 12	1	325189	<b>377.54</b>	12

Concrete

Diamond cutting blade

## DT 602 B SUPRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ □ □ □

### Applications

Cured concrete	●
Cured concrete, reinforced	●

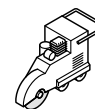
**Advantages:** First-rate cutting performance - Fast cutting speed - Particularly well suited for concrete with medium reinforcement - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Joint cutter		18 / 40 / 2,8 / 9	1	325056	<b>78.66</b>	12
350 x 25,4	100 m/s	5,500 rpm	Joint cutter		21 / 40 / 3,2 / 9	1	325088	<b>99.40</b>	12
400 x 25,4	100 m/s	4,800 rpm	Joint cutter		24 / 40 / 3,4 / 9	1	325120	<b>132.86</b>	12
450 x 25,4	100 m/s	4,300 rpm	Joint cutter		26 / 40 / 3,7 / 9	1	325136	<b>165.35</b>	12
500 x 25,4	100 m/s	3,900 rpm	Joint cutter		30 / 40 / 3,7 / 9	1	325167	<b>198.81</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

# Diamond cutting blades for joint cutters



Concrete

Diamond cutting blade

## DT 902 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■■■
Service life	■■■■■■■□

### Applications

Cured concrete	●
Cured concrete, reinforced	●

**Advantages:** First-rate cutting performance - Ultra fast cutting speed - Also suitable for concrete with strong reinforcement

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Joint cutter		18 / 40 / 2,8 / 11	1	325058	<b>107.05</b>	12
350 x 25,4	100 m/s	5,500 rpm	Joint cutter		21 / 40 / 3,2 / 11	1	325090	<b>135.72</b>	12
400 x 25,4	100 m/s	4,800 rpm	Joint cutter		24 / 40 / 3,4 / 11	1	325122	<b>180.65</b>	12
450 x 25,4	100 m/s	4,300 rpm	Joint cutter		26 / 40 / 3,7 / 11	1	325138	<b>225.57</b>	12
500 x 25,4	100 m/s	3,900 rpm	Joint cutter		30 / 40 / 3,7 / 11	1	325169	<b>271.45</b>	12

Concrete

Diamond cutting blade

## DT 910 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■□
Service life	■■■■■■■

### Applications

Cured concrete	●
Cured concrete, reinforced	●

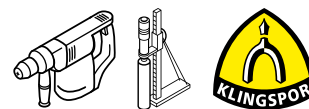
**Advantages:** First-rate cutting performance - High cutting speed - Exceptional service life - Also suitable for concrete with strong reinforcement

Diameter x Bore in mm	Max. operating speed	Max. RPM	Machines	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
300 x 25,4	100 m/s	6,400 rpm	Joint cutter		21 / 40 / 2,8 / 11	1	325073	<b>133.81</b>	12
350 x 25,4	100 m/s	5,500 rpm	Joint cutter		24 / 40 / 3,2 / 11	1	325106	<b>169.18</b>	12
400 x 25,4	100 m/s	4,800 rpm	Joint cutter		28 / 40 / 3,4 / 11	1	325146	<b>225.57</b>	12
450 x 25,4	100 m/s	4,300 rpm	Joint cutter		32 / 40 / 3,7 / 11	1	325182	<b>281.96</b>	12
500 x 25,4	100 m/s	3,900 rpm	Joint cutter		36 / 40 / 3,7 / 11	1	325193	<b>338.35</b>	12

Recommended prices.

Please observe: Please see Applications Guide on page 261 - 265.

# Drill bits with 1/2" connection



Concrete

1/2" drill bit

## DK 612 B SUPRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□
Service life	■■■■■□

### Applications

Concrete, universal ●



10 mm high roof-shaped segments

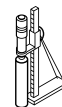
**Advantages:** Drill bits for universal applications - High cutting speed and service life - Can be used on electric drilling machines - For replacement segments, see DE 600 B

Diameter in mm	Connection in inches	Effective length in mm	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
51	1/2"	300	Drilling machine	5 / 24 / 2,5 / 10	1	325720	<b>98.52</b>	12
56	1/2"	300	Drilling machine	5 / 24 / 2,5 / 10	1	325721	<b>100.09</b>	12
61	1/2"	300	Drilling machine	5 / 24 / 2,5 / 10	1	325722	<b>106.08</b>	12
71	1/2"	300	Drilling machine	7 / 24 / 2,5 / 10	1	325724	<b>116.69</b>	12
81	1/2"	300	Drilling machine	8 / 24 / 2,5 / 10	1	325755	<b>133.38</b>	12
91	1/2"	300	Drilling machine	9 / 24 / 2,5 / 10	1	325756	<b>142.52</b>	12
101	1/2"	300	Drilling machine	9 / 24 / 2,5 / 10	1	325757	<b>151.56</b>	12
111	1/2"	300	Drilling machine	10 / 24 / 2,5 / 10	1	325758	<b>166.78</b>	12
121	1/2"	300	Drilling machine	10 / 24 / 2,5 / 10	1	325759	<b>181.91</b>	12
131	1/2"	300	Drilling machine	10 / 24 / 2,5 / 10	1	325761	<b>216.77</b>	12
141	1/2"	300	Drilling machine	11 / 24 / 2,5 / 10	1	325762	<b>222.86</b>	12
151	1/2"	300	Drilling machine	12 / 24 / 2,5 / 10	1	325763	<b>242.51</b>	12
161	1/2"	300	Drilling machine	12 / 24 / 2,5 / 10	1	325764	<b>257.73</b>	12
171	1/2"	300	Drilling machine	12 / 24 / 2,5 / 10	1	325765	<b>268.34</b>	12
181	1/2"	300	Drilling machine	13 / 24 / 2,5 / 10	1	325766	<b>287.99</b>	12
201	1/2"	300	Drilling machine	15 / 24 / 2,5 / 10	1	325768	<b>333.46</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 265.

## Drill bits with 1 1/4" connection



Concrete

1 1/4" drill bit

**DK 654 B**  
**SUPRA**



11 mm high roof-shaped segments

### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□
Service life	■■■■■□

### Applications

Concrete, universal ●

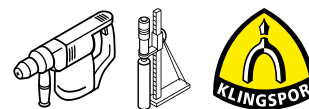
**Advantages:** Drill bits for universal applications - Very fast cutting - Long service life - Roof-shaped segments - Can be used on electric and hydraulic machines - For replacement segments, see DE 600 B

Diameter in mm	Connection in inches	Effective length in mm	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
52	1 1/4"	450	Drilling machine	5 / 24 / 3,5 / 11	1	325769	<b>103.72</b>	12
56	1 1/4"	450	Drilling machine	5 / 24 / 3,5 / 11	1	325770	<b>105.29</b>	12
61	1 1/4"	450	Drilling machine	5 / 24 / 3,5 / 11	1	325771	<b>111.68</b>	12
62	1 1/4"	450	Drilling machine	5 / 24 / 3,5 / 11	1	325772	<b>113.25</b>	12
66	1 1/4"	450	Drilling machine	5 / 24 / 3,5 / 11	1	325773	<b>118.06</b>	12
72	1 1/4"	450	Drilling machine	6 / 24 / 3,5 / 11	1	325774	<b>124.45</b>	12
82	1 1/4"	450	Drilling machine	7 / 24 / 3,5 / 11	1	325775	<b>143.60</b>	12
92	1 1/4"	450	Drilling machine	8 / 24 / 3,5 / 11	1	325776	<b>151.56</b>	12
102	1 1/4"	450	Drilling machine	9 / 24 / 3,5 / 11	1	325777	<b>159.61</b>	12
112	1 1/4"	450	Drilling machine	10 / 24 / 4 / 11	1	325778	<b>183.48</b>	12
122	1 1/4"	450	Drilling machine	10 / 24 / 4 / 11	1	325779	<b>207.44</b>	12
132	1 1/4"	450	Drilling machine	10 / 24 / 4 / 11	1	325781	<b>231.41</b>	12
142	1 1/4"	450	Drilling machine	11 / 24 / 4 / 11	1	325782	<b>239.37</b>	12
152	1 1/4"	450	Drilling machine	12 / 24 / 4 / 11	1	325783	<b>260.09</b>	12
162	1 1/4"	450	Drilling machine	13 / 24 / 4 / 11	1	325784	<b>276.00</b>	12
172	1 1/4"	450	Drilling machine	13 / 24 / 4 / 11	1	325785	<b>292.01</b>	12
182	1 1/4"	450	Drilling machine	14 / 24 / 4 / 11	1	325786	<b>315.98</b>	12
202	1 1/4"	450	Drilling machine	15 / 24 / 4,5 / 11	1	325787	<b>359.00</b>	12
225	1 1/4"	450	Drilling machine	16 / 24 / 4,5 / 11	1	325788	<b>438.76</b>	12
250	1 1/4"	450	Drilling machine	17 / 24 / 4,5 / 11	1	325789	<b>454.77</b>	12
300	1 1/4"	450	Drilling machine	22 / 20 / 5 / 11	1	325790	<b>566.44</b>	12

Recommended prices.

**Please observe: Please see Applications Guide on page 265.**

# Drill bit segments for DK 654 and DK 612



Concrete

Individual segment

## DE 600 B SUPRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□
Service life	■■■■■□

### Applications

Concrete, universal ●



11 mm high roof-shaped segments

**Advantages:** Single, roof-shaped segments for a fast first cut - Replacement segments for DK 612 B and DK 654 drill bits

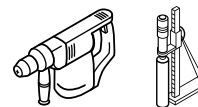
Length in mm	Machines	Segment in mm Length / Width / Height / Radius	Ø from - to	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
20	Drilling machine	20 / 5 / 11 / G	from 272 mm	30	325839	<b>7.66</b>	12
24	Drilling machine	24 / 3,5 / 11 / 30	56 - 62	30	325833	<b>7.07</b>	12
24	Drilling machine	24 / 3,5 / 11 / 40	72 - 87	30	325834	<b>7.07</b>	12
24	Drilling machine	24 / 3,5 / 11 / 50	92 - 112	30	325835	<b>7.01</b>	12
24	Drilling machine	24 / 4 / 11 / 60	107 - 142	30	325836	<b>7.60</b>	12
24	Drilling machine	24 / 4 / 11 / 80	142 - 182	30	325837	<b>7.60</b>	12
24	Drilling machine	24 / 4 / 11 / 100	182 - 272	30	325838	<b>7.60</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 265.

Diamond cutting tools

# Drill bits with ring segments, 1/2" connection



Concrete

1/2" ring drill bit

## DR 912 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■■
Service life	■■■■■■■■

### Applications

Concrete, universal	●
---------------------	---

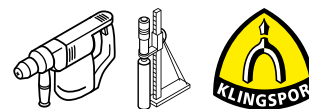
**Advantages:** Fast cutting - Long service life on reinforced concrete - Thin segment up to 50 mm - Suitable for drill stand or handheld drilling

Diameter in mm	Connection in inches	Effective length in mm	Machines	Segment in mm Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
8	1/2"	300	Drilling machine	2 / 10	1	325791	<b>61.88</b>	12
10	1/2"	300	Drilling machine	2 / 10	1	325792	<b>63.16</b>	12
12	1/2"	300	Drilling machine	2 / 10	1	325793	<b>65.81</b>	12
14	1/2"	300	Drilling machine	2 / 10	1	325794	<b>71.11</b>	12
15	1/2"	300	Drilling machine	2,5 / 10	1	325795	<b>75.04</b>	12
16	1/2"	300	Drilling machine	2,5 / 10	1	325796	<b>76.32</b>	12
18	1/2"	300	Drilling machine	2,5 / 10	1	325797	<b>78.97</b>	12
20	1/2"	300	Drilling machine	2,5 / 10	1	325798	<b>81.62</b>	12
22	1/2"	300	Drilling machine	2,5 / 10	1	325799	<b>89.48</b>	12
24	1/2"	300	Drilling machine	2,5 / 10	1	325800	<b>90.85</b>	12
25	1/2"	300	Drilling machine	2,5 / 10	1	325801	<b>92.13</b>	12
26	1/2"	300	Drilling machine	2,5 / 10	1	325802	<b>97.44</b>	12
28	1/2"	300	Drilling machine	2,5 / 10	1	325803	<b>100.09</b>	12
30	1/2"	300	Drilling machine	2,5 / 10	1	325804	<b>105.29</b>	12
32	1/2"	300	Drilling machine	2,5 / 10	1	325805	<b>121.11</b>	12
35	1/2"	300	Drilling machine	3 / 10	1	325806	<b>131.62</b>	12
40	1/2"	300	Drilling machine	3 / 10	1	325807	<b>139.57</b>	12
42	1/2"	300	Drilling machine	3,5 / 10	1	325808	<b>155.29</b>	12
52	1/2"	300	Drilling machine	3,5 / 10	1	325811	<b>171.10</b>	12

Recommended prices.

**Please observe: Please see Applications Guide on page 265.**

# Ring segments for drill bits DR 912 B



Concrete

Ring segment

## DO 900 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■■
Service life	■■■■■■■■

### Applications

Concrete, universal	●
---------------------	---

**Advantages:** Replacement ring segment for DR 912 B drill bit

Diameter in mm	Machines	Segment in mm Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
8	Drilling machine	2 / 10	10	325812	<b>22.59</b>	12
10	Drilling machine	2 / 10	10	325813	<b>23.08</b>	12
12	Drilling machine	2 / 10	10	325814	<b>24.06</b>	12
14	Drilling machine	2 / 10	10	325815	<b>26.03</b>	12
15	Drilling machine	2,5 / 10	10	325816	<b>27.40</b>	12
16	Drilling machine	2,5 / 10	10	325817	<b>27.89</b>	12
18	Drilling machine	2,5 / 10	10	325818	<b>28.88</b>	12
20	Drilling machine	2,5 / 10	5	325819	<b>29.86</b>	12
22	Drilling machine	2,5 / 10	5	325820	<b>34.67</b>	12
24	Drilling machine	2,5 / 10	5	325821	<b>35.65</b>	12
25	Drilling machine	2,5 / 10	5	325822	<b>37.52</b>	12
26	Drilling machine	2,5 / 10	5	325823	<b>38.50</b>	12
28	Drilling machine	2,5 / 10	5	325824	<b>41.45</b>	12
30	Drilling machine	2,5 / 10	3	325825	<b>43.32</b>	12
32	Drilling machine	2,5 / 10	3	325826	<b>46.26</b>	12
35	Drilling machine	3 / 10	3	325827	<b>52.94</b>	12
40	Drilling machine	3 / 10	3	325828	<b>57.75</b>	12
42	Drilling machine	3,5 / 10	3	325829	<b>65.51</b>	12
52	Drilling machine	3,5 / 10	3	325832	<b>81.82</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 265.

## Core cutters and dry drill bits for stoneware

Universal

Core cutter for switch boxes

### DD 600 U SUPRA



#### Properties

Design	Laser welded
Edge	Segmented
Aggression	■■■■■□□□
Service life	■■■■■■■□

#### Applications

Masonry/Brickwork	●
Construction materials	●
Chalky sandstone	●

**Advantages:** For machining soft and medium-hard materials such as brick, clinker and firebrick

Diameter in mm	Mounting	Machines	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
68	M 16	Drilling machine	3 / 24 / 3,5 / 7	1	325390	<b>42.82</b>	12
82	M 16	Drilling machine	4 / 24 / 3,5 / 7	1	325391	<b>51.37</b>	12

Stoneware

Dry drill bit

### DK 600 F SUPRA



#### Properties

Design	vacuum-brazed
Edge	Closed

#### Applications

Stoneware	●
Tiles	●
Stove tiles	●

**Advantages:** Dry drill bit for all Standard angle grinders - Suitable for the hardest of tiles, masonry and stoneware - Freehand centering - Precise and accurate drilling - Clean edges, precise holes - No splitting, cracking or chipping - No water needed

Diameter in mm	Mounting	Machines	Effective length in mm	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
26	M 14	Angle grinder	45	1	325385	<b>45.08</b>	12
38	M 14	Angle grinder	45	1	325386	<b>63.35</b>	12
58	M 14	Angle grinder	35	1	325387	<b>82.80</b>	12
65	M 14	Angle grinder	35	1	325388	<b>88.89</b>	12
70	M 14	Angle grinder	35	1	325389	<b>92.52</b>	12

Recommended prices.

**Please observe:** Please see Applications Guide on page 265.

Diamond drill

# DB 600 F SUPRA

**Properties**

Design	Vacuum-brazed
Edge	Closed
Aggression	■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ ■ □

**Applications**

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

**Advantages:** Dry cutting drill bit for drilling with pinpoint accuracy on hard materials such as fine stoneware, granite floor tiles and stove tiles - Clean edges - Precise holes - No bursting, cracking, or splintering - Integrated cooling wax - No water required - Excellent price-performance ratio

Diameter in mm	Mounting	Machines	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
6	1/4"	Drilling machine	1	325382	<b>28.58</b>	12
8	1/4"	Drilling machine	1	325527	<b>31.43</b>	12
10	1/4"	Drilling machine	1	325383	<b>34.28</b>	12
12	1/4"	Drilling machine	1	325384	<b>39.98</b>	12
14	1/4"	Drilling machine	1	325528	<b>45.67</b>	12

Adapter kit

# ADS 200



**Advantages:** SDS / hexagon adapter with 8 mm centre bit for article DD 600 U

Size in mm	Suitable for	Mounting	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
115	DD 600 U	hexagon	1 set	236442	<b>24.03</b>	14
115	DD 600 U	SDS	1 set	236588	<b>37.23</b>	14

Recommended prices.

**Please observe:** Please see Applications Guide on page 265.

# Accessory for drilling machines

Hole starting aid

## ABH 80



**Advantages:** Hole starting aid for professional diamond dry drill DB 600 F

Size in mm	Suitable for	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
55	DB 600 F	1	313807	72.06	14

Recommended prices.  
Please observe: Please see Applications Guide on page 265.

## Notes



## Diamond cutting tools



**Schleifix**  
Schleifpapier  
60

# 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)	up to 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	<i>RFS 651 bond E</i>			●	●									296
	<i>RFM 652 bond E</i>				●									296
	<i>RFR 654 bond Z/E</i>	●	●	●	●	○	○	○	●			○	○	298
Sand Flex	<i>SFM 656 bond W</i>			●										297
	<i>SFK 655 block</i>	●	●	●	●	●	●	●	●	●	●	●	●	297

● = 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		Price/pc. £		Discount group										
40 x 15 x 6		60	E	16 m/s		7,800 rpm		10		14006		7.96		13										
40 x 15 x 6		120	E	16 m/s		7,800 rpm		10		14007		7.96		13										
40 x 15 x 6		240	E	16 m/s		7,800 rpm		10		14008		7.96		13										
50 x 10 x 6		240	E	16 m/s		6,100 rpm		10		14012		7.96		13										
60 x 30 x 6		60	E	16 m/s		5,000 rpm		10		14030		11.62		13										
60 x 30 x 6		120	E	16 m/s		5,000 rpm		10		14031		11.62		13										
60 x 30 x 6		240	E	16 m/s		5,000 rpm		10		14032		11.62		13										

R-Flex mottling points

### RFM 652



#### Properties

Bonding agent	Plastic
Grain	SiC

#### Applications

Aluminium	●
NF metals	●

**Advantages:** Produces a satin surface scratch pattern - Soft abrasion due to elastic structure - Can be used until completely worn down - Available in two executions: with flattened shaft for simple and secure clamping (standard execution, stock items) and with full length round shaft (made to order items)

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Height x Shaft in mm					Grit	Bonding agent	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group							
30 x 30 x 6					60	E	8 m/s		5,000 rpm		10		14033		12.67		13							
30 x 30 x 6					120	E	8 m/s		5,000 rpm		10		14034		12.67		13							
40 x 30 x 6					120	E	8 m/s		3,900 rpm		10		14036		13.22		13							
50 x 30 x 6					60	E	8 m/s		3,000 rpm		10		14037		13.71		13							
50 x 30 x 6					120	E	8 m/s		3,000 rpm		10		14038		13.71		13							

Recommended prices.

Please observe: Please see Applications Guide on page 295.

# 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 in two executions: with flattened shaft for simple and secure clamping (standard execution, stock items) and with full length round shaft (made to order items)

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Height x Shaft in mm		Grit	Bonding agent	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/pc. £		Discount group										
30 x 30 x 6		60	W	5 m/s		3,100 rpm		10		13856		12.80		13										
30 x 30 x 6		120	W	5 m/s		3,100 rpm		10		13857		12.80		13										
40 x 30 x 6		60	W	5 m/s		2,400 rpm		10		13859		13.35		13										
40 x 30 x 6		120	W	5 m/s		2,400 rpm		10		13860		13.35		13										
50 x 30 x 6		60	W	5 m/s		1,900 rpm		10		13862		13.85		13										
50 x 30 x 6		120	W	5 m/s		1,900 rpm		10		13863		13.85		13										
60 x 30 x 6		60	W	5 m/s		1,500 rpm		10		13865		14.47		13										
60 x 30 x 6		120	W	5 m/s		1,500 rpm		10		13866		14.47		13										

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		Price/pc. £		Discount group								
80 x 50 x 20									30	18 pcs. in display		13800		4.19		13								
80 x 50 x 20									60	18 pcs. in display		13801		4.19		13								
80 x 50 x 20									120	18 pcs. in display		13802		4.19		13								
80 x 50 x 20									240	18 pcs. in display		13803		4.19		13								

Continuation →

Recommended prices.

Please observe: Please see Applications Guide on page 295.

# 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	Price/pc. £	Discount group
150 x 80 x 20	30	1	13804	<b>12.47</b>	13
150 x 80 x 20	60	1	13805	<b>12.47</b>	13
150 x 80 x 20	120	1	63231	<b>12.47</b>	13
150 x 80 x 20	240	1	13807	<b>12.47</b>	13

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	Price/pc. £	Discount group
80 x 50 x 20	60, 120, 240	1	72129	<b>75.96</b>	13

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

Recommended prices.

Please observe: Please see Applications Guide on page 295.



A large grid of small squares, resembling graph paper, covering the majority of the page below the header and above the footer.



# 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	304
HF 100 B	Cylinder with endcut	305
HF 100 C	Ball nosed cylinder	306
HF 100 D	Ball	307
HF 100 E	Oval	307
HF 100 F	Ball nosed cone	308
HF 100 G	Tree	308
HF 100 H	Flame	309
HF 100 J	Counter sink 60 degrees	309
HF 100 K	Counter sink 90 degrees	310
HF 100 L	Ball nosed tree	310
HF 100 M	Cone	311
HF 100 N	Inverted cone	311
HF 100	Set, 40 carbide burrs	312
HF 100	Set, 5 carbide burrs	312

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	Copper	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

# Carbide burrs

## Applications guide

### 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 Cuts

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



### 3 Cuts aluminium

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



### 6 Cuts mega seller

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



**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	Price/pc. £	Discount group
3	14	38	3	2	5	295475	<b>7.93</b>	14
3	14	38	3	6	5	295482	<b>7.93</b>	14
6,3	12,7	45	3	6	5	295506	<b>13.01</b>	14
6	18	50	6	2	1	295521	<b>13.58</b>	14
12,7	25	70	6	2	1	295602	<b>29.83</b>	14
6	18	50	6	3	1	295525	<b>17.02</b>	14
9,6	19	64	6	3	1	295563	<b>23.94</b>	14
12,7	25	70	6	3	1	295604	<b>37.34</b>	14
6	18	50	6	6	1	295531	<b>13.58</b>	14
8	19	64	6	6	1	295552	<b>17.77</b>	14
9,6	19	64	6	6	1	295568	<b>19.11</b>	14
12,7	19	64	6	6	1	295594	<b>29.21</b>	14
12,7	25	70	6	6	1	295609	<b>29.83</b>	14
16	25	70	6	6	1	295621	<b>37.59</b>	14

Recommended prices.

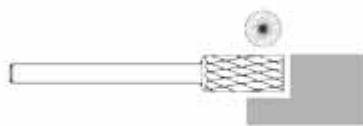
**Please observe: Please see Applications Guide on page 301 - 303.**

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	Price/pc. £	Discount group
3	14	38	3	2	5	295476	<b>8.72</b>	14
3	14	38	3	6	5	295483	<b>8.72</b>	14
6,3	12,7	45	3	6	5	295507	<b>14.30</b>	14
6	18	50	6	2	1	295522	<b>14.94</b>	14
12,7	25	70	6	2	1	295603	<b>32.79</b>	14
6	18	50	6	3	1	295526	<b>18.74</b>	14
9,6	19	64	6	3	1	295564	<b>26.34</b>	14
12,7	25	70	6	3	1	295605	<b>41.08</b>	14
6	18	50	6	6	1	295532	<b>14.94</b>	14
8	19	64	6	6	1	295553	<b>19.55</b>	14
9,6	19	64	6	6	1	295569	<b>21.00</b>	14
12,7	19	64	6	6	1	295595	<b>32.10</b>	14
12,7	25	70	6	6	1	295610	<b>32.79</b>	14
16	25	70	6	6	1	295622	<b>41.34</b>	14

Recommended prices.

**Please observe:** Please see Applications Guide on page 301 - 303.

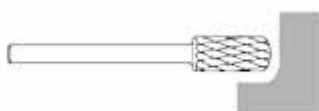
# Carbide burrs

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	Price/pc. £	Discount group
3	14	38	3	2	5	295649	<b>7.93</b>	14
3	14	38	3	6	5	295654	<b>7.93</b>	14
6,3	12,7	45	3	6	5	295673	<b>13.01</b>	14
6	18	50	6	2	1	295686	<b>15.82</b>	14
12,7	25	70	6	2	1	295747	<b>33.42</b>	14
6	18	50	6	3	1	295688	<b>19.80</b>	14
9,6	19	64	6	3	1	295725	<b>26.67</b>	14
12,7	25	70	6	3	1	295750	<b>41.90</b>	14
6	18	50	6	6	1	295694	<b>15.82</b>	14
8	19	64	6	6	1	295713	<b>19.36</b>	14
9,6	19	64	6	6	1	295727	<b>21.28</b>	14
12,7	19	64	6	6	1	295741	<b>32.98</b>	14
12,7	25	70	6	6	1	295753	<b>33.42</b>	14
16	25	70	6	6	1	295763	<b>42.07</b>	14

Recommended prices.

**Please observe: Please see Applications Guide on page 301 - 303.**

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	Price/pc. £	Discount group
3	2,5	38	3	2	5	295778	<b>7.93</b>	14
3	2,5	38	3	6	5	295784	<b>7.93</b>	14
4	3,4	38	3	6	5	295798	<b>19.11</b>	14
6	4,7	50	6	2	1	295815	<b>14.54</b>	14
12,7	11	56	6	2	1	295856	<b>23.56</b>	14
9,6	8	54	6	3	1	300054	<b>21.85</b>	14
12,7	11	56	6	3	1	295857	<b>29.51</b>	14
6	4,7	50	6	6	1	295819	<b>14.54</b>	14
8	6	52	6	6	1	295831	<b>15.61</b>	14
9,6	8	54	6	6	1	295843	<b>17.46</b>	14
12,7	11	56	6	6	1	295859	<b>23.56</b>	14
16	14	59	6	6	1	295868	<b>29.21</b>	14

Carbide burr

## HF 100 E



**Properties:** Drop-shaped burr - Designation in accordance with DIN 8032: TRE

**Advantages:** For milling out fillet welds - Suitable for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
8	15	60	6	6	1	295909	<b>19.44</b>	14
9,6	16	60	6	6	1	295916	<b>21.28</b>	14
12,7	22	67	6	6	1	295925	<b>31.16</b>	14

Recommended prices.

**Please observe:** Please see Applications Guide on page 301 - 303.

## Carbide burrs

Carbide burr

### HF 100 F



**Properties:** Semi-circular burr - Designation in accordance with DIN 8032: RBF

**Advantages:** Well suited for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
3	14	38	3	2	5	295946	<b>7.93</b>	14
3	14	38	3	6	5	295951	<b>7.93</b>	14
9,6	19	64	6	3	1	295985	<b>26.07</b>	14
12,7	25	70	6	3	1	296007	<b>38.59</b>	14
6	18	50	6	6	1	295971	<b>16.50</b>	14
8	20	65	6	6	1	295978	<b>19.44</b>	14
9,6	19	64	6	6	1	295987	<b>20.80</b>	14
12,7	25	70	6	6	1	296010	<b>30.78</b>	14
16	25	70	6	6	1	296020	<b>42.51</b>	14

Carbide burr

### HF 100 G



**Properties:** Pointed arch-shaped burr with flattened tip - Designation in accordance with DIN 8032: SPG

**Advantages:** Ideal for chamfering - For deburring bore holes



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
3	14	38	3	2	5	296043	<b>7.93</b>	14
3	14	38	3	6	5	296047	<b>7.93</b>	14
6,3	12,7	45	3	6	5	296055	<b>13.01</b>	14
6	18	50	6	2	1	296058	<b>16.50</b>	14
6	18	50	6	6	1	296062	<b>16.50</b>	14

Continuation →

Recommended prices.

**Please observe:** Please see Applications Guide on page 301 - 303.

→ Continuation of HF 100 G, Carbide burr

Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
8	19	64	6	6	1	296066	<b>20.07</b>	14
9,6	19	64	6	6	1	296074	<b>22.21</b>	14
12,7	19	64	6	6	1	296079	<b>30.19</b>	14
12,7	25	70	6	6	1	296086	<b>30.19</b>	14

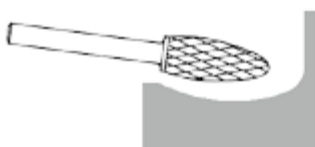
Carbide burr

## HF 100 H



**Properties:** Flame-shaped burr - No designation in accordance with DIN 8032

**Advantages:** Well suited for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
3	6	38	3	6	5	296106	<b>7.93</b>	14
12,7	32	77	6	2	1	297076	<b>44.58</b>	14
6	14	50	6	6	1	300046	<b>16.49</b>	14
8	19	64	6	6	1	296193	<b>21.84</b>	14
9,6	19	65	6	6	1	297074	<b>37.93</b>	14
12,7	32	77	6	6	1	296194	<b>44.58</b>	14

Carbide burr

## HF 100 J



**Properties:** Conical burr - 60° angle - Designation in accordance with DIN 8032: KSJ

**Advantages:** Suitable for chamfering or bevelling



All sizes and minimum purchasing quantities available on request

Recommended prices.

**Please observe:** Please see Applications Guide on page 301 - 303.

## 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 bevelling



All sizes and minimum purchasing quantities available on request

Carbide burr

### HF 100 L



**Properties:** Conical round-nosed burr - Designation in accordance with DIN 8032: KEL

**Advantages:** For difficult-to-access areas



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
3	14	38	3	6	5	296199	<b>7.93</b>	14
9,6	30	76	6	3	1	300055	<b>33.34</b>	14
12,7	32	77	6	3	1	297470	<b>45.50</b>	14
6	18	50	6	6	1	296200	<b>16.88</b>	14
8	25,4	70	6	6	1	296205	<b>22.16</b>	14
9,6	30	76	6	6	1	296201	<b>26.62</b>	14
12,7	32	77	6	6	1	296192	<b>32.51</b>	14

Recommended prices.

**Please observe: Please see Applications Guide on page 301 - 303.**

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	Price/pc. £	Discount group
3	11	38	3	2	5	296204	<b>7.93</b>	14
3	11	38	3	6	5	296114	<b>7.93</b>	14
6	20	50	6	2	1	296133	<b>16.88</b>	14
12,7	22	71	6	2	1	296145	<b>33.39</b>	14
6	20	50	6	6	1	296136	<b>16.88</b>	14
8	18	64	6	6	1	300052	<b>24.65</b>	14
9,6	16	64	6	6	1	296144	<b>26.67</b>	14
12,7	22	71	6	6	1	296148	<b>33.39</b>	14

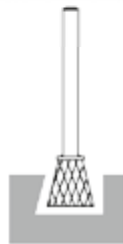
Carbide burr

## HF 100 N



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

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



All sizes and minimum purchasing quantities available on request

Recommended prices.

**Please observe:** Please see Applications Guide on page 301 - 303.

## 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	Cut	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
165 x 310 x 245	6	1	300627	<b>980.94</b>	14

Carbide burr

### HF 100 Set



**Properties:** 5 piece burr set, cut 6, in lockable Klingspor screw box - Contents: 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

Size in mm	Cut	Packing unit/pcs.	Cat. number	Price/pc. £	Discount group
70 x 100	6	1	314620	<b>155.28</b>	14

Recommended prices.

**Please observe:** Please see Applications Guide on page 301 - 303.

## Notes



## Carbide burrs



# 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	●		●		●				●	●	●						316
CS 310 XF	●	●			●	●						●					316
LS 309 XH			○	●	●	●							●				317
CS 561	●	○		○	●	●	○							●			318
PS 11			●			○	●	○	●								319
PL 31 B			●	●	○						●						319
PL 31 B			●	●	○				●								320
KL 371 X					●	●			●								321
PS 22 K	○		○	●	●		○				●						321
PS 22 K		○	○	●	●		○								●		322
PS 22 K		○	○	●	●		○									●	322
A 60 TZ	○	●				●									●		322

● = main application ○ = possible application

## D.I.Y. range

Finishing paper

### PL 31 B D.I.Y. Packs



#### Properties

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

#### Applications

Paint/Varnish/Filler	●
Wood	●
Metals	○

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Width x Length in mm	Content	Minimum order	Cat. number	Price/assortment £	Discount group
115 x 5000	1 x Grit 40	5 assortments	241817	<b>9.53</b>	1
115 x 5000	1 x Grit 60	5 assortments	241818	<b>8.16</b>	1
115 x 5000	1 x Grit 80	5 assortments	241819	<b>7.56</b>	1
115 x 5000	1 x Grit 120	5 assortments	241820	<b>7.18</b>	1
115 x 5000	1 x Grit 180	5 assortments	241821	<b>7.18</b>	1

Packing unit (Minimum order quantity) = 5 rolls

File belt, abrasive cloth

### CS 310 XF D.I.Y. Packs



#### Properties

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

#### Applications

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	Price/assortment £	Discount group
13 x 457	3 x Grit 40	F4G	6 assortments	248820	<b>2.48</b>	4
13 x 457	3 x Grit 60	F4G	6 assortments	248821	<b>2.40</b>	4
13 x 457	3 x Grit 120	F4G	6 assortments	248822	<b>2.35</b>	4

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

Recommended prices. Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 315.

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	Price/assortment £	Discount group
65 x 410	3 x Grit 40	F5	6 assortments	7000	4.71	4
65 x 410	3 x Grit 60	F5	6 assortments	7001	4.44	4
65 x 410	3 x Grit 80	F5	6 assortments	7002	4.33	4
65 x 410	3 x Grit 120	F5	6 assortments	7004	4.23	4
75 x 457	3 x Grit 40	F5	6 assortments	9189	5.24	4
75 x 457	3 x Grit 60	F5	6 assortments	9176	4.92	4
75 x 457	3 x Grit 80	F5	6 assortments	9172	4.76	4
75 x 457	3 x Grit 100	F5	6 assortments	9171	4.65	4
75 x 457	3 x Grit 120	F5	6 assortments	7138	4.65	4
75 x 480	3 x Grit 40	F5	6 assortments	7006	5.35	4
75 x 480	3 x Grit 60	F5	6 assortments	7007	5.03	4
75 x 480	3 x Grit 80	F5	6 assortments	7008	4.87	4
75 x 480	3 x Grit 120	F5	6 assortments	7010	4.76	4
75 x 533	3 x Grit 40	F5	6 assortments	7018	5.67	4
75 x 533	3 x Grit 60	F5	6 assortments	7019	5.30	4
75 x 533	3 x Grit 80	F5	6 assortments	7020	5.08	4
75 x 533	3 x Grit 100	F5	6 assortments	7021	4.97	4
75 x 533	3 x Grit 120	F5	6 assortments	7022	4.97	4
75 x 533	3 x Grit 150	F5	6 assortments	7023	4.97	4
75 x 533	3 x Grit 180	F5	6 assortments	7077	4.97	4
100 x 560	3 x Grit 40	F5	6 assortments	7036	6.98	4
100 x 560	3 x Grit 60	F5	6 assortments	7037	6.50	4
100 x 560	3 x Grit 80	F5	6 assortments	7038	6.23	4
100 x 560	3 x Grit 100	F5	6 assortments	7039	6.04	4
100 x 560	3 x Grit 120	F5	6 assortments	7040	6.04	4
100 x 610	3 x Grit 40	F5	6 assortments	7080	7.35	4
100 x 610	3 x Grit 60	F5	6 assortments	7081	6.77	4
100 x 610	3 x Grit 80	F5	6 assortments	7082	6.50	4
100 x 610	3 x Grit 100	F5	6 assortments	7083	6.34	4
100 x 610	3 x Grit 120	F5	6 assortments	7084	6.34	4
105 x 620	3 x Grit 40	F5	6 assortments	7030	7.89	4
105 x 620	3 x Grit 60	F5	6 assortments	7031	7.30	4
105 x 620	3 x Grit 80	F5	6 assortments	7032	6.98	4
105 x 620	3 x Grit 120	F5	6 assortments	7034	6.82	4

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

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Please see Applications Guide on page 315.

## 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
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter x Hole in mm	Content	Hole pattern	Minimum order	Cat. number	Price/100 assortment £	Discount group
115 x 22	5 x Grit 24	⊗ 30	5 assortments	255905	<b>390.15</b>	8
115 x 22	5 x Grit 40	⊗ 30	5 assortments	255906	<b>333.46</b>	8
115 x 22	5 x Grit 60	⊗ 30	5 assortments	255907	<b>295.11</b>	8
115 x 22	5 x Grit 80	⊗ 30	5 assortments	255908	<b>288.44</b>	8
115 x 22	5 x Grit 120	⊗ 30	5 assortments	255909	<b>288.44</b>	8
125 x 22	5 x Grit 24	⊗ 30	5 assortments	255910	<b>446.83</b>	8
125 x 22	5 x Grit 40	⊗ 30	5 assortments	255911	<b>380.14</b>	8
125 x 22	5 x Grit 60	⊗ 30	5 assortments	255912	<b>336.79</b>	8
125 x 22	5 x Grit 80	⊗ 30	5 assortments	255913	<b>328.46</b>	8
125 x 22	5 x Grit 120	⊗ 30	5 assortments	255914	<b>328.46</b>	8

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

Recommended prices. **Other grits and sizes available on request.**

**Please observe:** Please see Applications Guide on page 315.

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

Width x Length in mm	Content	Minimum order	Cat. number	Price/100 assortment £	Discount group
230 x 280	5 x Grit 120	5 assortments	241787	<b>409.23</b>	5
230 x 280	5 x Grit 180	5 assortments	241789	<b>372.73</b>	5
230 x 280	5 x Grit 240	5 assortments	241790	<b>372.73</b>	5
230 x 280	5 x Grit 400	5 assortments	241791	<b>372.73</b>	5

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

Finishing paper

## PL 31 B

### D.I.Y. Packs

**Properties**

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




**Applications**

Paint/Varnish/Filler	●
Wood	●
Metals	○

**Advantages:** Product with optimal price-performance ratio - Optimised wear properties for hand grinding and handheld 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	Hole pattern	Minimum order	Cat. number	Price/100 assortment £	Discount group
93 x 230	10 x Grit 40		5 assortments	241732	<b>447.67</b>	5
93 x 230	10 x Grit 60		5 assortments	241733	<b>401.87</b>	5
93 x 230	10 x Grit 80		5 assortments	241734	<b>379.70</b>	5
93 x 230	10 x Grit 120		5 assortments	241735	<b>366.41</b>	5
93 x 230	10 x Grit 180		5 assortments	241736	<b>366.41</b>	5
93 x 230	40/80/120 Set		5 assortments	241738	<b>338.11</b>	5
93 x 230	10 x Grit 40	 GL 9	5 assortments	241725	<b>573.25</b>	5
93 x 230	10 x Grit 60	 GL 9	5 assortments	241726	<b>527.45</b>	5
93 x 230	10 x Grit 80	 GL 9	5 assortments	241727	<b>505.29</b>	5

Continuation →

Recommended prices. **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 315.**

## 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	Price/100 assortment £	Discount group
93 x 230	10 x Grit 120	 GL 9	5 assortments	241728	<b>491.99</b>	5
93 x 230	10 x Grit 180	 GL 9	5 assortments	241729	<b>491.99</b>	5
93 x 230	10 x Grit 240	 GL 9	5 assortments	241730	<b>493.47</b>	5
93 x 230	40/80/120 Set	 GL 9	5 assortments	241731	<b>566.22</b>	5
115 x 280	10 x Grit 40		5 assortments	241678	<b>574.73</b>	5
115 x 280	10 x Grit 60		5 assortments	241679	<b>506.76</b>	5
115 x 280	10 x Grit 80		5 assortments	241680	<b>474.26</b>	5
115 x 280	10 x Grit 120		5 assortments	241681	<b>455.05</b>	5
115 x 280	10 x Grit 180		5 assortments	241682	<b>455.05</b>	5
115 x 280	40/80/120 Set		5 assortments	241684	<b>449.74</b>	5
115 x 280	10 x Grit 40	 GL 1	5 assortments	241670	<b>688.49</b>	5
115 x 280	10 x Grit 60	 GL 1	5 assortments	241671	<b>620.53</b>	5
115 x 280	10 x Grit 80	 GL 1	5 assortments	241673	<b>588.02</b>	5
115 x 280	10 x Grit 120	 GL 1	5 assortments	241674	<b>568.82</b>	5
115 x 280	10 x Grit 180	 GL 1	5 assortments	241675	<b>568.82</b>	5
115 x 280	10 x Grit 240	 GL 1	5 assortments	241676	<b>570.29</b>	5
115 x 280	40/80/120 Set	 GL 1	5 assortments	241677	<b>623.99</b>	5

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 - Optimised wear properties for hand grinding and handheld 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	Price/100 assortment £	Discount group
230 x 280	5 x Grit 40	5 assortments	241776	<b>552.40</b>	5
230 x 280	5 x Grit 60	5 assortments	241777	<b>467.83</b>	5
230 x 280	5 x Grit 80	5 assortments	241778	<b>430.04</b>	5
230 x 280	5 x Grit 120	5 assortments	241779	<b>404.85</b>	5
230 x 280	5 x Grit 240	5 assortments	241780	<b>406.65</b>	5

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

Recommended prices. **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 315.**

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

Width x Length in mm	Content	Minimum order	Cat. number	Price/100 assortment £	Discount group
230 x 280	5 x Grit 40	5 assortments	241781	<b>795.59</b>	6
230 x 280	5 x Grit 60	5 assortments	241783	<b>707.19</b>	6
230 x 280	5 x Grit 80	5 assortments	241784	<b>669.31</b>	6
230 x 280	5 x Grit 120	5 assortments	241785	<b>644.05</b>	6
230 x 280	5 x Grit 240	5 assortments	241786	<b>650.37</b>	6

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 - Uniform 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	Price/100 assortment £	Discount group
115 x 230	10 x Grit 40	 GL 15	5 assortments	241663	<b>1,074.68</b>	5
115 x 230	10 x Grit 60	 GL 15	5 assortments	241664	<b>875.15</b>	5
115 x 230	10 x Grit 80	 GL 15	5 assortments	241665	<b>780.44</b>	5
115 x 230	10 x Grit 120	 GL 15	5 assortments	241666	<b>722.35</b>	5
115 x 230	10 x Grit 180	 GL 15	5 assortments	241667	<b>722.35</b>	5
115 x 230	40/80/120 Set	 GL 15	5 assortments	241669	<b>771.19</b>	5

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

Recommended prices. **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 315.**

## 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 - Uniform surface scratch pattern - Available in many grit sizes and dimensions

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Content	Hole pattern	Minimum order	Cat. number	Price/100 assortment £	Discount group
115	5 x Grit 40	○ 0	5 assortments	278805	<b>321.23</b>	5
115	5 x Grit 60	○ 0	5 assortments	278806	<b>268.86</b>	5
115	5 x Grit 80	○ 0	5 assortments	278807	<b>243.69</b>	5
115	5 x Grit 120	○ 0	5 assortments	278808	<b>227.58</b>	5
115	5 x Grit 180	○ 0	5 assortments	278809	<b>227.58</b>	5
115	5 x Grit 40	⊗ GLS 4	5 assortments	243219	<b>329.28</b>	5
115	5 x Grit 60	⊗ GLS 4	5 assortments	241608	<b>276.92</b>	5
115	5 x Grit 80	⊗ GLS 4	5 assortments	243220	<b>251.74</b>	5
115	5 x Grit 120	⊗ GLS 4	5 assortments	241610	<b>235.63</b>	5
115	5 x Grit 180	⊗ GLS 4	5 assortments	241611	<b>235.63</b>	5
125	5 x Grit 40	○ 0	5 assortments	278810	<b>360.50</b>	5
125	5 x Grit 60	○ 0	5 assortments	278811	<b>299.07</b>	5
125	5 x Grit 80	○ 0	5 assortments	278812	<b>269.87</b>	5
125	5 x Grit 120	○ 0	5 assortments	278813	<b>250.74</b>	5
125	5 x Grit 180	○ 0	5 assortments	278814	<b>250.74</b>	5
125	5 x Grit 40	⊗ GLS 5	5 assortments	241614	<b>368.55</b>	5
125	5 x Grit 60	⊗ GLS 5	5 assortments	241625	<b>307.13</b>	5
125	5 x Grit 80	⊗ GLS 5	5 assortments	241626	<b>277.93</b>	5
125	5 x Grit 120	⊗ GLS 5	5 assortments	241627	<b>258.79</b>	5
125	5 x Grit 180	⊗ GLS 5	5 assortments	241628	<b>258.79</b>	5
125	40/80/120 Set	⊗ GLS 5	5 assortments	241630	<b>334.28</b>	5
150	5 x Grit 40	⊗ GLS 3	5 assortments	241649	<b>480.33</b>	5
150	5 x Grit 60	⊗ GLS 3	5 assortments	241650	<b>392.72</b>	5
150	5 x Grit 80	⊗ GLS 3	5 assortments	241651	<b>351.43</b>	5
150	5 x Grit 120	⊗ GLS 3	5 assortments	241652	<b>326.26</b>	5
150	5 x Grit 180	⊗ GLS 3	5 assortments	241653	<b>326.26</b>	5
150	5 x Grit 40	⊗ GLS 51	5 assortments	319068	<b>480.33</b>	5
150	5 x Grit 60	⊗ GLS 51	5 assortments	319069	<b>392.72</b>	5
150	5 x Grit 80	⊗ GLS 51	5 assortments	319070	<b>351.43</b>	5
150	5 x Grit 120	⊗ GLS 51	5 assortments	319071	<b>326.26</b>	5
150	5 x Grit 180	⊗ GLS 51	5 assortments	319073	<b>326.26</b>	5
150	40/80/120 Set	⊗ GLS 51	5 assortments	319072	<b>512.00</b>	5

Packing unit (Minimum order quantity) = 5 assortments or 30 pieces

Recommended prices. **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 315.**

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 - Uniform surface scratch pattern - Available in many grit sizes and dimensions

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------

Diameter in mm	Content	Hole pattern	Minimum order	Cat. number	Price/100 assortment £	Discount group
96	5 x Grit 40	△ GLS 15	5 assortments	241656	<b>253.76</b>	5
96	5 x Grit 60	△ GLS 15	5 assortments	241657	<b>215.49</b>	5
96	5 x Grit 80	△ GLS 15	5 assortments	241658	<b>197.37</b>	5
96	5 x Grit 120	△ GLS 15	5 assortments	241659	<b>186.29</b>	5
96	5 x Grit 180	△ GLS 15	5 assortments	241660	<b>186.29</b>	5
96	40/80/120 Set	△ GLS 15	5 assortments	241662	<b>257.52</b>	5

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, sulphur and chlorine - Short cutting times - Minimal burr formation - Low thermal load

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Minimum order	Cat. number	Price/assortment £	Discount group
115 x 1 x 22,23	—	80 m/s	13,300 rpm	1 assortment	257875	<b>18.92</b>	11
125 x 1 x 22,23	—	80 m/s	12,200 rpm	1 assortment	257876	<b>21.74</b>	11

Packing unit (Minimum order quantity) = 1 assortment of 10 cutting-off wheels

Recommended prices. **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 315.**

# 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 or jewellery.
- ▶ Prevent accidental start up of the machine before mounting or changing an abrasive product. Isolate machines from their power source where necessary.
- ▶ Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted before starting the machine.
- ▶ Always use gloves and suitable clothing where the workpiece or machine is handheld. For gloves, a minimum protection level of EN 388 Category 2 is recommended.
- ▶ After switching off the machine, ensure the product has come to rest before leaving the machine unattended.

#### Injury caused by product breakage

- ▶ Always handle abrasives with great care, they are easily damaged. Examine all products for defects or damage before use.
- ▶ Store abrasives in dry, frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected and supported to prevent damage and distortion.
- ▶ Coated abrasives 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 handheld or manually-guided grinding



Not permitted for wet grinding



Not permitted for face grinding



Do not use if damaged



Only permitted with a backing 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.

# Conditions of Sale

These general conditions apply to all quotations and contracts of sale for and on behalf of Klingspor Abrasives Limited (hereinafter referred to as Klingspor).

## Headings

- 1 All headings are for guidance only and do not form part of these Conditions of Sale.

## Alterations

- 2 All prices, multipliers and quantity discounts are subject to alteration without notice.

## Terms and Prices

- 3.1 Payment will be due not later than the end of the month following the month of Klingspor's invoice, but Klingspor may at any time require payment in advance of delivery.
- 3.2 Prices are exclusive of V.A.T. and are subject to change without notice.
- 3.3 If the order value exceeds the value for free transportation the cost of the transport will be paid by Klingspor.
- 3.4 All orders are accepted subject to a 'minimum carriage free order value'. Below this the transport costs are chargeable to the customer.
- 3.5 Any orders accepted below the 'minimum order values' will attract an administration charge in addition to the transport charge in 3.4 above.
- 3.6 'Minimum carriage free order values' and 'minimum order values' are subject to alteration without notice.
- 3.7 Klingspor reserves the right to claim interest at the rate of 4% per annum above the minimum base rate for the time being of Barclays Bank plc calculated on a daily basis on all sums due to Klingspor and unpaid from the date upon which payment is due under these Conditions of Sale until the date upon which payment is made including periods both before and after any Court judgement.
- 3.8 All debt collection charges incurred by Klingspor, including costs of collection agencies will be charged to the customer.
- 3.9 Samples and specimen products are only delivered against payment, unless the parties have otherwise agreed in writing with Klingspor.
- 3.10 The price quoted for goods may be increased by Klingspor if Klingspor suffers any increase in the cost of labour, materials and transport between the date of accepting an order placed by the Customer and the date of delivery of the goods concerned.

## Quantity Variation

- 4 Due to the nature of the manufacturing process both Klingspor and the Customer will make an allowance to each other of a reasonable variation in the quantity of goods supplied for each order.

## Delivery Date, Risk and Cancellation

- 5.1 Any date given for delivery by Klingspor is to be considered as an approximate estimate and cannot be guaranteed.
- 5.2 If Klingspor is compelled to cancel any contract or part contract the liability of the Customer to make payment for any goods which are delivered shall be unaffected.
- 5.3 All risk in the goods shall pass to the Customer on completion of delivery.

## Quality and Suitability and Exclusion of Liability

- 6.1 The Customer will at all times determine the suitability of Klingspor's goods for its intended use and the Customer will not rely upon any representations made by or on behalf of Klingspor.
- 6.2 Klingspor warrants all its goods to be free of defects and within manufacturing tolerance. The Customer will accept slight imperfections in colour and appearance. All defects, damages or shortages must be notified by the Customer within seven days of receipt of goods. Thereafter liability will only be accepted in respect of latent defects.
- 6.3 The decision of Klingspor about any alleged defect will be final and conclusive.
- 6.4 If goods supplied or processed by Klingspor are found to be defective Klingspor undertakes at its option to replace the same or refund to the Customer the price of the goods provided always that the liability of Klingspor will in no circumstance exceed the cost of replacement or the price paid by the Customer for the goods.
- 6.5 All warranties and conditions whatsoever, whether express or implied by statute or common law, are excluded and Klingspor will not be liable for any loss or damage from the supply of goods or from their use including any defect or failure in performance howsoever caused or occasioned except any liability which may arise from any act of negligence on the part of Klingspor which causes injury or death.

### **Returns**

- 7 Klingspor will not accept the return of any goods sold without its prior agreement. Goods which have been sold to a Customer's size requirement will not be returnable in any event. Any goods which are authorised to be returned will remain at the risk of the Customer during transportation. If any goods are returned with the agreement of Klingspor a re-stocking charge of 15% plus V.A.T. will be applied and will be invoiced on receipt of the goods.

### **Title Retention**

- 8 The risk in the goods will pass to the Customer upon delivery but Klingspor will remain the legal owner of the goods until such time as the Customer has paid in full the price of the goods and has met all other indebtedness of the Customer to Klingspor. The Customer acknowledges that until the ownership in the goods is transferred the Customer will be in possession of the goods solely as bailee for Klingspor and if so required the Customer will store the goods separately from the Customer's own goods and in such a fashion as to be readily identifiable to Klingspor.

### **Reservation of Copyright and Patent**

- 9 The design method of construction and content of all literature packaging and all other goods remains the property of Klingspor and the sale of any goods shall not give to the purchaser any implied licence to do any act which would otherwise constitute a breach of such industrial property rights.

### **English Law to Apply**

- 10 These Conditions of Sale are subject to and will be construed in accordance with English Law.

### **Klingspor Abrasives Limited**

**4/14 © Klingspor Abrasives Ltd 2014**

**E. & O.E.**



Grid of dots for notes

## Notes



# Safety

## Klingspor products are marked with the oSa label



### What does oSa mean?

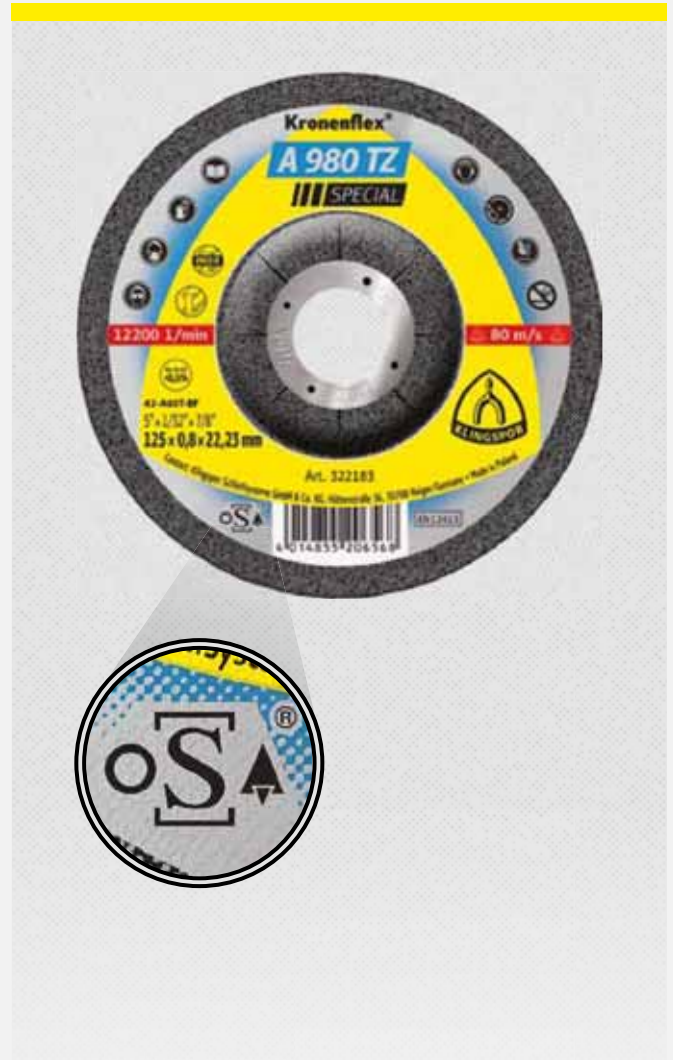
In a host of applications grinding and cutting require very high peripheral speeds from the rotating abrasive product. These products must therefore be particularly safe so as to stand up to the extreme mechanical and thermal stress.

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**  
Velyki Mosty, Ukrajina

**Klingspor Inc.**  
Stoney Creek, Ontario, Canada

**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**  
Dubai, United Arab Emirates

**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

**Klingspor Abrasives Limited**

Dukeries Business Centre  
31-33 Retford Road  
Worksop  
Notts  
S80 2PU

Tel: 01909 712 310  
Fax: 01909 712 420  
Email: [sales@klingspor.co.uk](mailto:sales@klingspor.co.uk)

**[www.klingspor.co.uk](http://www.klingspor.co.uk)**

