

# Good. Safe. Yellow.

Catalogue 2019  
Valid from February 2019

**Klingspor**  
Abrasive Technology



# 5

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

# 1893

Klingspor was founded as a family owned business.

More than

# five hundred

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

# 300 million

euros in sales during the past year.

Over

# 50 thousand

items in our product range.

Every day Klingspor produces:

## 110,000

abrasive mop discs.

## 350,000

cutting-off wheels and grinding discs.

# One hundred thousand square metres

of coated abrasives.

# 2,900

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



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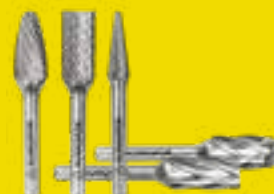
**Strips/sheets/discs**

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

# The product groups at a glance

With this catalogue, Klingspor makes it quick and easy to select the products you need from our huge range of top quality abrasives. The 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 burrs

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.



## 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

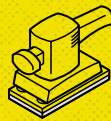
Product overview



Hand sanding



Hand block



Orbital sander



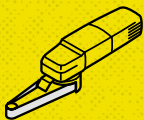
Random orbital sander



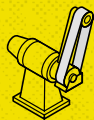
Delta sander



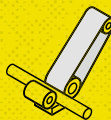
Portable belt sander



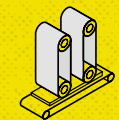
Hand tool belt grinder



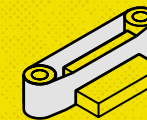
Back stand grinding machine



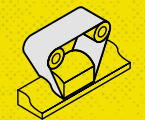
Centreless finishing machine



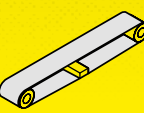
Through-feed grinding machine



Edge sanding machine



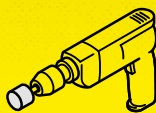
Contour finishing machine



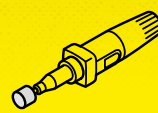
Pad / stroke sanding machine



Wide belt finishing machine



Drilling machine



Die grinder



Satin finishing machine



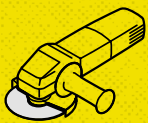
Floor standing grinder

# General information

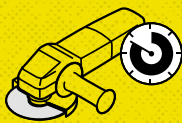
Product overview



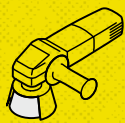
General information



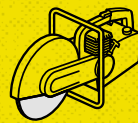
Angle grinder



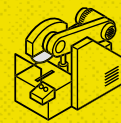
Variable speed angle grinder



Angle grinder with cup grinding wheel



Petrol powered cutter



Stationary cutting machine ≤ 5kW



Chop saw



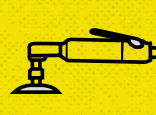
Drilling machine



Joint cutter



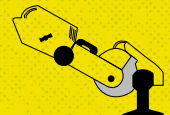
Lifting beam with mottling points



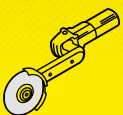
Right angle die grinder



Flexible shaft grinder



Petrol powered cutter with clamping device



Fillet weld grinder

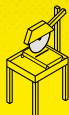
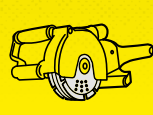


Table saw



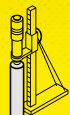
Joint router



Stationary cutting machine > 5kW



Parquet sander



Drill stand



# Product guide

Coated abrasives

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

## 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



				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
<i>PS 8 A</i>	●	K	✓	180-2500										118
<i>PS 8 C</i>	●	K	✓	60-150										118
<i>PS 11 A</i>	●	K	✓	220-2000										120
<i>PS 11 C</i>	●	K	✓	60-400, 600, 1000										119 142
<i>PS 20 F</i>	●	K		60-240, 320, 400				53		84				
<i>PS 21 F</i>	●	K		40, 60-320, 400				53		84				
<i>PS 22 F ACT</i>	●	K		40, 60-400	20			53		85		124		
<i>PS 22 N</i>	○	K		24, 40, 60-240, 320, 400	21									
<i>PS 24 F ACT</i>	●	K		80, 120-800				54		85				
<i>PS 27 DW</i>	○	K		180-320, 400-600				54		86				
<i>PS 28 F</i>	○	K		40-220				54		86				
<i>PS 29 F ACT</i>	○	K		40-320, 400	25			55		87				
<i>PS 30 D</i>	○	K		40, 60-240, 320	21							124	121	
<i>PL 31 B</i>	○	L		40-320, 400	22							125	121	
<i>PS 33 B</i>	○	K		150-320, 400-600	24									123
<i>PS 33 C</i>	○	K		40, 60-120	23									122
<i>PS 38 G ACT</i>	●	K		80-180						88				
<i>PS 61 F</i>	●	K		40, 60, 80, 120-320, 400				56		88				
<i>PS 729 F</i>		K		180, 240, 320				56		89				
<i>FP 73 W</i>	○	K		80-180, 240, 320, 400, 600-1500				57						
<i>PS 73 BW</i>	○	K		150-1500									123	
<i>PS 73 BWF</i>	○	K		180, 240, 320, 400, 600	26									
<i>PS 73 CWF</i>	○	K		120	25									
<i>PS 19 EK</i>	●	K		36, 40, 60-220, 320, 400, 600								126		143
<i>PS 21 FK</i>	●	K		40, 60-180, 240, 320, 400										143
<i>PS 22 K</i>	○	K		24, 40, 60-240, 320, 400								126		144
<i>PS 33 BK</i>	○	K		150-320, 400-600								128		150
<i>PS 33 CK</i>	○	K		40, 60-120								127		148
<i>CS 411 XK</i>	●	K		24, 40, 60, 80, 120										158
<i>PS 61 FK</i>	●	K		40, 60, 80, 120-180, 240, 280										151
<i>FP 73 WK</i>	○	K		80-180, 240, 320, 400, 600-1500								129		152
<i>PS 73 BWK</i>	○	K		150-1500										154
<i>PS 73 CWK</i>	○	K		40, 60-120										153

● = close ○ = semi-open ○ = open

### Bonding agent

K Resin  
L Glue

# Product guide

Coated abrasives

Type	Properties	Backing	Grain type
<b>CS 308 Y</b>		Y-polyester	Aluminium oxide
<b>LS 309 J</b>		J-cotton	Aluminium oxide
<b>LS 309 JF</b>		JF-cotton	Aluminium oxide
<b>LS 309 X</b>		X-cotton	Aluminium oxide
<b>LS 309 XH</b>		X-cotton	Aluminium oxide
<b>CS 310 X</b>		X-cotton	Aluminium oxide
<b>CS 310 XF</b>		XF-cotton	Aluminium oxide
<b>CS 311 Y ACT</b>	ANTISTATIC	Y-polyester	Aluminium oxide
<b>LS 312 JF</b>		JF-cotton	Aluminium oxide
<b>LS 313 JF</b>	Multibond	JF-cotton	Aluminium oxide
<b>LS 314 JF</b>		JF-cotton	Aluminium oxide
<b>LS 318 JF ACT</b>	ANTISTATIC	JF-cotton, SUPERFLEX	Aluminium oxide
<b>CS 320 Y</b>	Waterproof	Y-polyester	SiC
<b>CS 321 X</b>	Waterproof	X-cotton	SiC
<b>CS 322 X</b>	Waterproof	X-cotton	Cork
<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-cloth	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>CS 710 XF</b>		XF-cotton	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

Abrasive cloth

## Cloth

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## Paper

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# Product guide

Coated abrasives



				Page										
Type	Coating	Bonding agent	Waterproof	Available grits	Rolls	File belts	Belts for handheld grinders	Short and long belts	Spirabands	Wide belts	Fibre discs	Strips	Sheets	Discs
CS 308 Y	●	K		40, 60-180, 240				58		90				
LS 309 J	●	K		60-500				59						
LS 309 JF	●	K		60-400, 600, 800	27			60						
LS 309 X	●	K		40-360	27	46		58						
LS 309 XH	●	K		40-180, 240			51							
CS 310 X	●	K		16-24, 36-320, 400-600				60	76	90				
CS 310 XF	●	K		40-280		46								
CS 311 Y ACT	○	K		36-220				61		91				
LS 312 JF	●	K		60-320, 400				62						
LS 313 JF	●	K		80-240, 320, 400				62						
LS 314 JF	●	K		100, 120, 180, 320				63						
LS 318 JF ACT	○	K		80-180, 240, 320, 400				63						
CS 320 Y	●	K	✓	24, 40, 60-120, 180				63		91				
CS 321 X	●	K	✓	80-320, 400, 500, 800				64		92				
CS 322 X	●	K	✓	Polishing fineness				64						
CS 325 Y		K	✓	80, 120, 180, 240, 320, 400, 600, 800, 1200				64						
CS 326 Y		K	✓	60, 80, 120, 180, 240, 320, 400, 600, 800				65		92				
CS 329 JF		K		120, 180, 240				65						
CS 329 Y		K		80, 120, 180, 240, 320, 400, 600				65		93				
CS 330 X	●	K	✓	220, 400, 600, 800				66		93				
CS 333 JF	●	K		120-180, 240-320				67						
CS 333 X	●	K		24, 36, 40, 60-150, 240				66						
CS 333 XF	●	K		60-100, 240, 280				66						
CS 336 Y	○	K		36, 40, 50						94				
CS 341 X	●	K	✓	60-320, 400, 500, 600				67		94				
KL 361 JF	●	K		30, 40-600	28							134	131	
KL 371 X	●	L		30-320, 400									132	
KL 385 JF	●	K		40-320, 400, 600	31								133	
CS 409 Y	●	K		36-120				67		95				
CS 410 X	●	K		40, 60-180				68						
CS 411 X	●	K		24, 36-80, 120				68						
CS 411 Y	●	K	✓	24, 36-120		47		69		95				
CS 412 Y	●	K	✓	24, 36-180, 240				70		96				
CS 416 Y	○	K	✓	24, 36-120				70						
CS 420 Y		K	✓	120, 180, 240, 320, 400				71						
CS 451 X	●	K		40, 60, 80					77					
GX 533 JF	●	K		80-180, 240-400, 600				71						
CS 538 Z ACT	●	K		36-180						96				
CS 631 XF	○	K		60-120				71						
CS 710 XF	●	K		80-180, 240		48		72						
GX 712 JF	●	K		60-320, 400				72						
CS 811 Y ACT	●	K	✓	24, 36-80				73						
CS 910 Y ACT	●	K		24, 36-80				73						
CS 912 Y ACT	●	K	✓	36-180		49		73		97				
CS 931 JF	○	K		80-120, 180, 240-320, 400				74						
GX 931 JF	○	K		60-150, 280				74						

● = close ○ = semi-open ○ = open

### Bonding agent

K Resin  
L Glue



# Product guide

Coated abrasives

	Type	Properties	Backing	Grain type
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>AN 400</b>	Waterproof	Abrasive screen	Aluminium oxide
	<b>NRO 400</b>		Non-woven web	Aluminium oxide
	<b>NRO 500</b>		Non-woven web	SiC
	<b>NPA 400</b>		Non-woven web	Aluminium oxide
	<b>NPA 500</b>		Non-woven web	SiC
	<b>SV 484</b>		Non-woven web with polyester lining	Aluminium oxide
	<b>NDS 400 K</b>	Waterproof	Non-woven web with polyester lining	Aluminium oxide / SiC
	<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>FD 500</b>	Waterproof	Foam core	Aluminium oxide / SiC
	<b>SK 500</b>	Abrasive hand block, flexible, waterproof	Sponge	Aluminium oxide
	<b>SK 700 A</b>	Abrasive hand block, waterproof	Sponge	Aluminium oxide
	<b>SW 501</b>	Abrasive sponge, waterproof	Sponge	Aluminium oxide
<b>SW 502</b>	Abrasive sponge, waterproof	Sponge	SiC	
<b>SW 510</b>	Abrasive sponge, waterproof	Sponge	Aluminium oxide	
<b>SW 512</b>	Abrasive sponge, waterproof	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



				Page											
Type	Coating	Bonding agent	Waterproof	Available grits	Rolls	File belts	Belts for handheld grinders	Short and long belts	Spirabands	Wide belts	Fibre discs	Strips	Sheets	Discs	
Fibre discs	CS 561	●	K		16-240, 320						102				
	FS 764 ACT	●	K		24, 36, 40-80, 120						104				
	CS 565	●	K		24, 36-100						105				
	CS 570	●	K		24, 36-120						106				
	FS 964 ACT	●	K		24, 36-80, 120						107				
	FS 966 ACT	●	K		24, 36-60, 80, 120						108				
AN 400	○	K	✓	80-800								130		155	
Non-woven web	NRO 400		K		medium, fine, very fine	35									
	NRO 500		K		medium, ultra fine	36									
	NPA 400		K		coarse, medium, very fine							135			
	NPA 500		K		medium, ultra fine, without grain							135			
	SV 484		K		coarse, medium, very fine									160	
	NDS 400 K		K	✓	very fine, ultra fine									160	
	NDS 800		K		coarse, medium, very fine									161	
	NBF 800		K	✓	coarse, medium, very fine	49									
	NBS 800		K	✓	coarse, medium, very fine			75							
	FD 500	●	K	✓	1000, 1500, 2000, 3000										156
	SK 500	●	K	✓	60, 80, 100, 120, 180, 220, 280							137			
	SK 700 A	●	K	✓	60, 80, 100, 120							137			
	SW 501	●	K	✓	120, 220							138			
SW 502	●	K	✓	120, 220							139				
SW 510	●	K	✓	100, 180, 220, 320							138				
SW 512	●	K	✓	120, 180, 220, 320							139				

● = close   ● = semi-open   ○ = open

## Bonding agent

K Resin  
L Glue

# Rolls



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	25
	<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>LS 309 X</b>	Aluminium oxide	X-cotton	●	Multi-purpose abrasive cloth for metal and wood processing, good price-performance ratio	27
	<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	27
	<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 deburring work on metals	28
Wood, Varnish	<b>NRO 500</b>	SiC	Non-woven web	–	Excellently suited to smoothing, cleaning and surface finishing	36
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</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	24
	<b>PS 33 C</b>	Aluminium oxide	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 BWF</b>	Aluminium oxide	B-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	26
	<b>PS 73 CWF</b>	Aluminium oxide	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
Metals	<b>LS 309 X</b>	Aluminium oxide	X-cotton	●	Multi-purpose abrasive cloth for metal and wood processing, good price-performance ratio	27
	<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	28, 30
	<b>KL 385 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible universal abrasive cloth for the metal processing industry, good price-performance ratio	31, 32
	<b>NRO 400</b>	Aluminium oxide	Non-woven web	–	Perfectly suited for light deburring, cleaning and surface refinement, also suited for stainless steel	35

● = close ○ = semi-open ○ = open

Type	Grit range
<b>PS 22 F ACT</b>	40–150
<b>PS 28 F</b>	60–150
<b>PS 29 F ACT</b>	60–150
<b>CS 308 Y</b>	40–80, 120
<b>LS 309 X</b>	40–360
<b>LS 309 J</b>	60–320
<b>LS 309 JF</b>	60–400
<b>CS 310 X</b>	24–400
<b>CS 310 XF</b>	40–280
<b>LS 312 JF</b>	60–320, 400
<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

Paper	
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>
Cloth	
X	Cloth, heavy
J	Cloth, light
JF	Cloth, light, highly flexible
Y	Cloth, heavy, high strength
XF	Cloth, heavy, flexible

## Minimum order quantities for made to order items

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



**All other grit sizes, widths and lengths require at least one full jumbo roll to be taken. Please inquire about quantities.**

# Rolls with paper backing

Coated abrasives

Abrasive paper

## PS 22 F ACT



### Properties

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

### Applications:

Wood	●	NF metals	○
Metals	○		
Plastic	○		
Steel	○		

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

### Available grits:

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

Other grits and sizes available on request.

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



# Rolls with paper backing

Coated abrasives



Rolls

Abrasive paper

## PS 22 N



### Properties

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

### Applications:

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

**Advantages:** Universal product for hand sanding and 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																					
115 x 50000	40	1	244611																					
115 x 50000	60	1	244612																					
115 x 50000	80	1	244613																					
115 x 50000	100	1	244614																					
115 x 50000	120	1	244615																					
115 x 50000	150	1	244616																					
115 x 50000	180	1	244599																					
115 x 50000	240	1	244597																					

Abrasive paper

## PS 30 D



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	○

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Width x Length in mm	Grit	Packing unit/pcs.	Cat. number																					
115 x 4500	40	10	174094																					
115 x 4500	60	10	174095																					
115 x 4500	80	10	174096																					
115 x 4500	100	10	174097																					
115 x 4500	120	10	174098																					

Other grits and sizes available on request.

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

Continuation →

# Rolls with paper backing

## Coated abrasives

→ Continuation of PS 30 D, Abrasive paper

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

Finishing paper

### PL 31 B



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	◐

**Advantages:** Product with optimal price-performance ratio - Optimized wear properties for hand sanding and 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
95 x 50000	40	1	3279
95 x 50000	60	1	3281
95 x 50000	80	1	3282
95 x 50000	100	1	3191
95 x 50000	120	1	3192
95 x 50000	180	1	3194
95 x 50000	240	1	3196
110 x 50000	40	1	3287
110 x 50000	60	1	3289
110 x 50000	80	1	3290
110 x 50000	100	1	3213
110 x 50000	120	1	3214
110 x 50000	150	1	3215
110 x 50000	180	1	3216
110 x 50000	220	1	3217
110 x 50000	240	1	3218
110 x 50000	280	1	3219
110 x 50000	320	1	3220
110 x 50000	400	1	3222

Other grits and sizes available on request.

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

Continuation →

# Rolls with paper backing

Coated abrasives



Rolls

→ Continuation of PL 31 B, Finishing paper

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
115 x 50000	40	1	3291
115 x 50000	60	1	3293
115 x 50000	80	1	3294
115 x 50000	100	1	3224
115 x 50000	120	1	3225
115 x 50000	150	1	3226
115 x 50000	180	1	3227
115 x 50000	220	1	3228
115 x 50000	240	1	3229
115 x 50000	280	1	3230
115 x 50000	320	1	3231
115 x 50000	400	1	3233

Abrasive paper

## PS 33 C



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Very high removal rate - Minimal clogging due to active abrasive substances - Longer service life - Good tear resistance and flexibility

Available grits:

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

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

Other grits and sizes available on request.

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

# Rolls with paper backing

Coated abrasives

Abrasive paper

## PS 33 B



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Very high removal rate - Minimal clogging due to active abrasive substances - Longer service life - Good tear resistance and flexibility

### Available grits:

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

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

Other grits and sizes available on request.

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



# Rolls with paper backing

Coated abrasives



Abrasive paper, ANTISTATIC

## PS 29 FACT



### Properties

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

### Applications:

Wood	●
Paint/Varnish/Filler	⓪

**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
110 x 50000	80	1	307878
110 x 50000	100	1	307879
110 x 50000	120	1	307880
110 x 50000	150	1	307881
110 x 50000	180	1	307882
115 x 50000	60	1	307884
115 x 50000	80	1	302592
115 x 50000	100	1	307885
115 x 50000	120	1	302591
115 x 50000	150	1	307886

Abrasive paper with foam backing

## PS 73 CWF



### Properties

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

### Applications:

Wood	●
Paint/Varnish/Filler	●
Plastic	●

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

### Available grits:

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

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

Other grits and sizes available on request.

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

# Rolls with paper backing

Coated abrasives

Abrasive paper with foam backing

## PS 73 BWF



### Properties

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

### Applications:

Wood	●
Paint/Varnish/Filler	●
Plastic	●

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

### Available grits:

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

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

Other grits and sizes available on request.

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

# Rolls with cloth backing

Coated abrasives



Abrasive cloth

## LS 309 X



### Properties

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

### Applications:

Metals	●
Wood	●

**Advantages:** High-quality universal abrasive cloth for diverse applications in metal and 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

Other grits and sizes available on request.

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

# Rolls with cloth backing

Coated abrasives

Abrasive cloth

## LS 309 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
25 x 50000	40	1	3769
25 x 50000	60	1	3771
25 x 50000	80	1	3772
25 x 50000	100	1	3773
25 x 50000	120	1	3774
25 x 50000	150	1	3775
25 x 50000	180	1	3776
25 x 50000	220	1	3777
25 x 50000	240	1	3778
25 x 50000	320	1	3780
25 x 50000	400	1	3782
25 x 50000	600	1	64825
30 x 50000	60	1	3787

Other grits and sizes available on request.

Continuation →

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



# Rolls with cloth backing

Coated abrasives



Rolls

→ Continuation of KL 361 JF, Abrasive cloth, brown

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

Other grits and sizes available on request.

Continuation →

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

# Rolls with cloth backing

## Coated abrasives

→ Continuation of KL 361 JF, Abrasive cloth, brown

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

Abrasive cloth, brown

### KL 361 JF



#### Properties

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

#### Applications:

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

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

Available grits:

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

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

Other grits and sizes available on request.

Continuation →

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

# Rolls with cloth backing

Coated abrasives



Rolls

→ Continuation of KL 361 JF, Abrasive cloth, brown

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

Abrasive cloth, brown

## KL 385 JF



### Properties

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

### Applications:

Metals	●
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
25 x 50000	60	1	218196
25 x 50000	80	1	218197
25 x 50000	100	1	218198
25 x 50000	120	1	218199
40 x 50000	40	1	218077
40 x 50000	60	1	218079

Other grits and sizes available on request.

Continuation →

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

# Rolls with cloth backing

## Coated abrasives

→ Continuation of KL 385 JF, Abrasive cloth, brown

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

Abrasive cloth, brown

### KL 385 JF



#### Properties

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

#### Applications:

Metals	●	Wood	⓪
NF metals	●		
Stainless steel	⓪		
Plastic	⓪		

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

Available grits:

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

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

Other grits and sizes available on request.

Continuation →

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

# Rolls with cloth backing

Coated abrasives



→ Continuation of KL 385 JF, Abrasive cloth, brown

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

ROLL-BOX

## ROLL-BOX



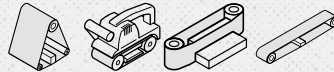
**Advantages:** Handy and saves storage of economy rolls - Abrasive tears off cleanly and easily - Quick and simple replacement of rolls - For 5 rolls with a width of 50 mm each - For set-up or attachment to the wall

**Abrasives not included**

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

Graphite coated canvas

## CS 395 X



### Properties

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



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

**No self-fastening support**

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

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

## Self-fastening support

Self-fastening support

### CS 396 Y



#### 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
Grain	Aluminium oxide

### Applications:

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

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

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

Information regarding grit range see chart on page 36.

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

# Rolls, non-woven web

Coated abrasives

Non-woven web roll

## NRO 500



### Properties

Bonding agent	Resin
Grain	SiC

### Applications:

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

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

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

Grit	120 - 150	180 - 220	240 - 320	800 - 1000
Grade	medium	fine	very fine	ultra fine
Klingspor non-woven web rolls	medium SiC - black			
	medium A - maroon			
		fine A - maroon		
			very fine GP - dark green	
			very fine A - maroon	
				ultra fine SiC - grey

Aggressiveness decreasing

Other grits and sizes available on request.  
Please observe: Please see Applications Guide on page 19.

# Notes



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A large grid of small dots for taking notes.



# Abrasive belts



## About the product

### Applications guide

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

Application	Type	Grain	Backing	Coating	Characteristics	Page
Steel	<b>LS 309 J</b>	Aluminium oxide	J-cotton	●	Flexible abrasive cloth for processing slightly profiled workpieces, high stock removal rate, particularly suited for metal	59
	<b>LS 309 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible abrasive cloth for highly profiled workpieces for the manufacture of fine surfaces in metal and woodworking	60
	<b>LS 309 X</b>	Aluminium oxide	X-cotton	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	46, 58
	<b>LS 309 XH</b>	Aluminium oxide	X-cotton	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	51
	<b>CS 310 X</b>	Aluminium oxide	X-cotton	●	Abrasive cloth for metal and woodworking with stable cloth backing, for heavy duty with particularly long service life	60, 76, 77, 90
	<b>CS 341 X</b>	Aluminium oxide	X-cotton waterproof	●	Waterproof abrasive cloth for wet grinding on steel and stainless steel, particularly suited for centreless and surface grinding	67, 94
	<b>CS 308 Y</b>	Aluminium oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	58, 90
Stainless steel	<b>PS 61 F</b>	Ceramic aluminium oxide	F-paper	●	Close coating, tear resistant backing and continuously self-sharpening ceramic grain, the perfect product for users with highest demands on service life, high stock removal rate and process reliability, for the processing of stainless steel surfaces	56, 88
	<b>LS 312 JF</b>	Aluminium oxide	JF-cotton	●	Highly versatile and flexible premium product for stainless steel components such as fixtures, fittings and surgical instruments	62
	<b>LS 313 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible high quality product for stainless steel shaped parts, additional multibond for cool grinding and long service life	62
	<b>CS 931 JF</b>	Ceramic aluminium oxide	JF-cotton	⦿	Special product with highly flexible backing for use on stainless steel and high alloy steels. Continuously aggressive abrasive performance with a long service life due to semi-open coated self-sharpening ceramic grit. Multibond for cool grinding with no discolouration	74
	<b>GX 931 JF</b>	Ceramic aluminium oxide	JF-blended cloth	⦿	Special highly flexible tear resistant polyester / cotton backed product for stainless steel and high alloy steels; ideal for robot applications. Micro-crystalline ceramic grit with multibond for "cool grinding" and continuously aggressive abrasive performance	74
	<b>GX 712 JF</b>	Aluminium oxide	JF-blended cloth	●	High performance belt with highly flexible, but nonetheless equipped with extremely tear resistant blended cloth backing, tempered aluminium oxide and coated materials	72
	<b>CS 329 JF</b>	Aluminium 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	65
	<b>CS 631 XF</b>	Ceramic aluminium oxide	XF-cotton	⦿	Flexible highly efficient belt for best grinding performance, long service life through self-sharpening ceramic grain for rough and intermediate grinding of contours, profiles and fittings, with multibond for cool grinding	71
	<b>CS 410 X</b>	Aluminium oxide	X-cotton	●	Abrasive material with stable cloth backing, multibond for long service life, especially suited for stainless steel processing	68
	<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	68
	<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	47, 69, 95
	<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	70
	<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	67, 95

● = close   ⦿ = semi-open   ○ = open

Continuation →



# Abrasive belts

## Applications guide

Application	Type	Grain	Backing	Coating	Characteristics	Page
Stainless steel	<b>CS 912 Y ACT</b>	Ceramic aluminium oxide	Y-polyester	●	Extremely tear resistant high performance belt with self-sharpening ceramic grain for high stock removal efficiency and long service life for processing high alloy steels	<b>49, 73, 97</b>
	<b>CS 910 Y ACT</b>	Ceramic aluminium oxide	Y-polyester	●	Extremely tear resistant high performance belt with self-sharpening ceramic grain for high stock removal efficiency and long service life for processing high alloy steels, multibond for cool grinding	<b>73</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>66, 93</b>
	<b>CS 326 Y</b>	Aluminium 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>65, 92</b>
	<b>CS 329 Y</b>	Aluminium 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>65, 93</b>
	<b>CS 420 Y</b>	Aluminium oxide agglomerate	Y-polyester		Special product with cylindrical-shaped structured abrasive grain for the centreless finishing of stainless steel. Very long service life and uniform scratch pattern	<b>71</b>
	<b>CS 325 Y</b>	SiC agglomerate	Y-polyester		Long life belt with very long service life and constant surface finish for centreless finishing	<b>64</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>73</b>
	<b>NBF 800</b>	Aluminium oxide	Non-woven web with polyester insert		Special product for working metal and stainless steel surfaces with a tool belt grinder. Very long service life, no premature clogging, high edge stability, tear resistant belt joint	<b>49</b>
<b>NBS 800</b>	Aluminium oxide	Non-woven web with polyester insert		Structure as for NBF 800, though for handheld machines with larger pulleys and stationary belt sanders	<b>75</b>	
Steel / Stainless steel	<b>PS 20 F</b>	Aluminium oxide	F-paper	●	Close coating and heavy, tear resistant backing for high stock removal rate and a long service life for metalworking	<b>53, 84</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>53, 84</b>
	<b>PS 729 F</b>	Aluminium oxide agglomerate	F-paper		Long life belt for dry grinding applications, for a constant surface quality for pre-grinding until finishing. Specially developed for coil and sheet grinding with intermediate contact pressure	<b>56, 89</b>
	<b>CS 412 Y</b>	Aluminium oxide	Y-polyester	●	Sturdy and highly tear resistant polyester backing for coarse and intermediate grinding on metal	<b>70, 96</b>
	<b>CS 310 XF</b>	Aluminium oxide	XF-cotton	●	Flexible abrasive cloth for profiled metal formed parts, standard quality for use with hand tool belt grinders	<b>46</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>68</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>47, 69, 95</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>70</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>66, 93</b>
	<b>CS 710 XF</b>	Aluminium oxide	XF-cotton	●	Flexible abrasive belt with hardened aluminium oxide grains for working on surfaces and moulded parts.	<b>48, 72</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>73</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>67</b>
	<b>CS 333 XF</b>	SiC	XF-cotton	●	Flexible abrasive belt for metal shaped parts, particularly for NF metals	<b>66</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>71</b>
	<b>GX 712 JF</b>	Aluminium oxide	JF-blended cloth	●	High performance belt with highly flexible, but nonetheless equipped with extremely tear resistant blended cloth backing, tempered aluminium oxide and coated materials	<b>72</b>
	<b>LS 314 JF</b>	Aluminium oxide	JF-cotton	●	Flexible abrasive belt with hardened aluminium oxide grains for working on surfaces and moulded parts.	<b>63</b>
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. Advanced Coating Technology (ACT) and antistatic properties prevent premature clogging	<b>53, 85</b>
	<b>PS 28 F</b>	Aluminium 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>54, 86</b>
	<b>PS 29 F ACT</b>	Aluminium oxide	F-paper	○	Abrasive belt with outstanding service life. Open coating, antistatic properties as well as Advanced Coating Technology (ACT) prevent premature clogging. The abrasive paper is particularly suitable for processing soft and high resin woods	<b>55, 87</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>88</b>

● = close ○ = semi-open ○ = open

Continuation →



# Abrasive belts

Applications guide



Application	Type	Grain	Backing	Coating	Characteristics	Page
Wood	<b>LS 309 X</b>	Aluminium oxide	X-cloth	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	<b>46, 58</b>
	<b>LS 309 XH</b>	Aluminium oxide	X-cloth	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	<b>51</b>
	<b>CS 311 Y ACT</b>	Aluminium 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>61, 91</b>
	<b>CS 308 Y</b>	Aluminium oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	<b>58, 90</b>
	<b>LS 318 JF ACT</b>	Aluminium oxide	JF-cloth	○	Highly flexible J-Flex backing for intermediate sanding and finishing of highly profiled and curved wooden parts. Advanced Coating Technology (ACT) and antistatic properties prevent premature clogging	<b>63</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>96</b>
	<b>CS 336 Y</b>	SiC	Y-polyester	●	Special product for calibrating and grinding of chipboard	<b>94</b>
Paint / Varnish / Filler	<b>PS 24 F ACT</b>	SiC	F-paper	●	Close coating, a stable backing with hard silicon carbide grit for painted and coated surfaces in the timber and especially the furniture industry	<b>54, 85</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>54, 86</b>
	<b>FP 73 W</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>57</b>
Plastic	<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>71</b>
Glass	<b>CS 322 X</b>	(Cork)	X-cloth waterproof		Special belt for polishing glass	<b>64</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>66</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>63, 91</b>
	<b>CS 321 X</b>	SiC	X-cloth	●	Special belt for wet and dry grinding of glass, ceramic and plastic	<b>64, 92</b>

● = close   ● = semi-open   ○ = open

Belts

## 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

Width	Minimum order quantities
6 – 13 mm	20 pieces
14 – 30 mm	10 pieces

## Minimum order quantities NBS 800

Width	Minimum order quantities
31 – 75 mm	5 pieces
76 – 320 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.

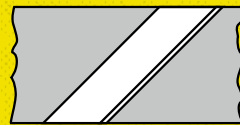
**If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.**



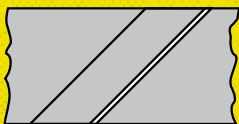
**Type 1**  
Diagonal cut, glued overlapped.



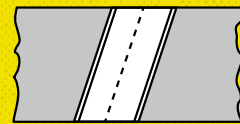
**Type 5**  
Overlapping glued joint. Grit zone is completely ground off. Preferred joint for wood finishes with flat contact elements.



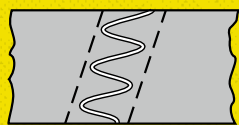
**Type 2**  
Diagonal cut, glued overlapped. Grain tips are completely removed from the overlap to provide for a smoother running belt.



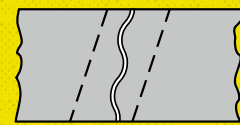
**Type 6 G**  
Diagonal cut, butt joint with cloth-reinforced foil glued on grit side. Grit zone is completely ground off. Use on machines with planar contact elements.



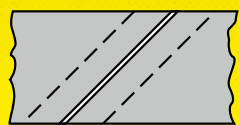
**Type 3 G**  
Zig zag joint, with cloth-reinforced foil backing, impact-free working at very sensitive parts, in particular glass.



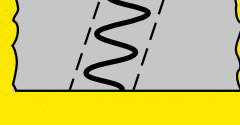
**Type 7 G**  
Sine joint, with cloth-reinforced foil backing, impact-free working at very sensitive parts, for demanding requirements.



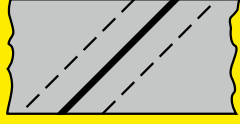
**Type 4 G**  
Diagonal cut. Butt joint with cloth-reinforced foil backing. Also suitable for working on unsupported belts, for demanding requirements.



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



**Type 4 W**  
Bevel cut, butt joint, fabric-reinforced film and bonding on the face side. Special joint for non-woven file belts, product type NBF 800.



**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.**

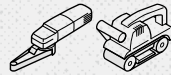
# Short belts for hand held machines

Coated abrasives



Abrasive cloth

## LS 309 XH



### Properties

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

### Applications:

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

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

### Available grits:

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

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

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Short belts for hand held machines

## Coated abrasives

→ Continuation of LS 309 XH, Abrasive cloth

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

More short belts for hand held machines see belts

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with paper backing

Coated abrasives



Abrasive paper

## PS 20 F



### Properties

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

### Applications:

Metals	●
NF metals	●
Stainless steel	●
Steel	⦿

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper

## PS 21 F



### Properties

Bonding agent	Resin
Grain	Zirconia alumin./ Al. oxide
Coating	Close
Backing	F-paper

### Applications:

Stainless steel	●
Metals	●
Steel	●

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

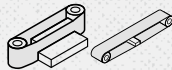
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

## PS 22 F ACT



### Properties

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

### Applications:

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

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

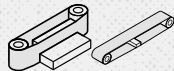
Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# 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, ANTISTATIC

## PS 27 DW



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Open
Backing	D-paper

### Applications:

Paint/Varnish/Filler	●
Aluminium	●
Plastic	◐

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

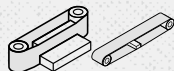
### Available grits:

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

All sizes and minimum purchasing quantities available on request

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.



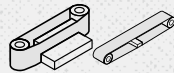
# Belts with paper backing

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 belt for general woodworking, especially softwood - Reduced clogging and longer service life due to ACT recipe and antistatic properties

### Available grits:

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
150 x 2000	80	F5	10	307797
150 x 2000	100	F5	10	307798
150 x 2000	120	F5	10	307799
150 x 2170	80	F5	10	307800
150 x 2170	120	F5	10	307801
150 x 2250	60	F5	10	307802
150 x 2250	80	F5	10	307803
150 x 2250	100	F5	10	307804
150 x 2250	120	F5	10	307805
150 x 2250	150	F5	10	307806
150 x 2280	80	F5	10	307807
150 x 2280	100	F5	10	307808
150 x 2280	120	F5	10	307809
150 x 2600	80	F5	10	307811
150 x 2600	100	F5	10	307812
150 x 2600	120	F5	10	307813
150 x 3000	80	F5	10	307814
150 x 3000	100	F5	10	307815
150 x 3000	120	F5	10	307816
150 x 6800	80	F2	10	307821
150 x 6800	100	F2	10	307822
150 x 6800	120	F2	10	307823
150 x 6880	80	F2	10	307824
150 x 6880	100	F2	10	307825
150 x 6880	120	F2	10	307826
150 x 7100	60	F2	10	307828
150 x 7100	80	F2	10	307829
150 x 7100	100	F2	10	307830
150 x 7100	120	F2	10	307831
150 x 7100	150	F2	10	307832
150 x 7200	80	F2	10	307833
150 x 7200	100	F2	10	307834
150 x 7200	120	F2	10	307835
150 x 7500	80	F2	10	307837
150 x 7500	100	F2	10	307838
150 x 7500	120	F2	10	307839
150 x 7800	80	F2	10	307840

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with paper backing

Coated abrasives

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

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
150 x 7800	100	F2	10	307841
150 x 7800	120	F2	10	307842
150 x 7800	150	F2	10	307843
200 x 1600	80	F5	10	307844
200 x 1600	100	F5	10	307845
200 x 1600	120	F5	10	307846
200 x 3000	80	F5	10	307847
200 x 3000	100	F5	10	307848
200 x 3000	120	F5	10	307849
200 x 3000	150	F5	10	307850

Abrasive paper

## PS 61 F



### Properties

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

### Applications:

Stainless steel	●
Steel	●
Wood	○

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

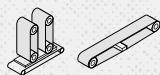
Available grits:

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

Abrasive paper, KULEX

## PS 729 F



### 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with film backing

Coated abrasives



Abrasive film, active coated

## FP 73 W



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Plastic	●

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

### Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

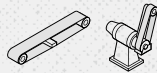
Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# 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

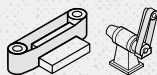
### Available grits:

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
50 x 1020	40	F5	10	36837
50 x 1020	60	F5	25	38075
50 x 1020	80	F5	25	39401
50 x 1020	100	F5	25	40832
50 x 1020	120	F5	25	42020
50 x 2000	40	F4G	10	4502
50 x 2000	60	F4G	25	4531
50 x 2000	80	F4G	25	4548
75 x 2000	40	F4G	10	36923
75 x 2000	60	F4G	10	38198
75 x 2000	80	F4G	10	39556
100 x 800	60	F5	10	38286
100 x 800	80	F5	10	39659
100 x 800	120	F5	10	137024
100 x 860	60	F5	10	38895
100 x 860	80	F5	10	40425
100 x 860	100	F5	10	41621
100 x 860	120	F5	10	42678

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with cloth backing

Coated abrasives

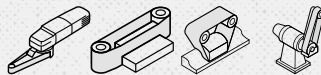


→ Continuation of LS 309 X, Abrasive cloth

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

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

Other grits and sizes available on request.

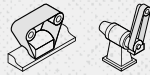
Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with cloth backing

Coated abrasives

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

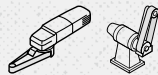
### Available grits:

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

Abrasive cloth

## CS 310 X



### Properties

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

### Applications:

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

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

### Available grits:

16 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
25 x 1065	60	F4G	10	244635
25 x 1065	80	F4G	10	244634
50 x 1020	40	F5	10	47753
50 x 1020	60	F5	25	48549
50 x 1020	80	F5	25	49300
50 x 2000	40	F4G	10	4587
50 x 2000	60	F4G	25	4590
50 x 2000	80	F4G	25	4591
50 x 2000	120	F4G	25	4593
75 x 2000	36	F4G	10	4594
75 x 2000	40	F4G	10	4595
75 x 2000	60	F4G	25	4596
75 x 2000	80	F4G	25	49399
75 x 2000	120	F4G	25	50652
75 x 2000	180	F4G	25	51222
75 x 2000	240	F4G	25	51470
100 x 920	60	F5	10	48717
100 x 920	80	F5	10	49454

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.



# Belts with cloth backing

Coated abrasives

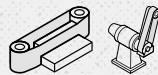


→ Continuation of CS 310 X, Abrasive cloth

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number
100 x 920	100	F5	10	50136
150 x 2000	36	F4G	10	47492
150 x 2000	40	F4G	10	47921
150 x 2000	60	F4G	10	48821
150 x 2000	80	F4G	10	49581
150 x 2000	120	F4G	10	50767
200 x 550	24	F7G	10	170543
200 x 550	40	F7G	10	97832
200 x 550	60	F7G	10	105992
200 x 550	80	F7G	10	123929
200 x 550	120	F7G	10	123931
200 x 750	24	F7G	10	47101
200 x 750	36	F7G	10	47561
200 x 750	40	F7G	10	48028
200 x 750	60	F7G	10	48970
200 x 750	80	F7G	10	49764
200 x 750	100	F7G	10	50340
200 x 750	120	F7G	10	50872

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with cloth backing

Coated abrasives

Abrasive cloth

## LS 312 JF



### Properties

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

### Applications:

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

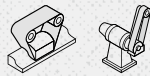
**Advantages:** Outstanding removal rate and service life due to active abrasive substances - Very good adaptation to radiuses and contours due to highly flexible cotton backing

### 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																			
300 x 3500		100	F1	10	79849																			
300 x 3500		150	F1	10	247873																			
300 x 3500		180	F1	10	81518																			
300 x 3500		280	F1	10	79850																			
300 x 3500		320	F1	10	83657																			
300 x 3500		400	F1	10	81147																			

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with cloth backing

Coated abrasives



Abrasive cloth

## LS 314 JF



**NEW**

### Properties

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

### Applications:

Metals	●
Plastic	●
NF metals	●

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth ANTISTATIC, SUPERFLEX

## LS 318 JF ACT



### Properties

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

### Applications:

Wood	●
------	---

**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 due to the ACT recipe

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

## CS 320 Y



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	Y-polyester

### Applications:

Glass/Stone	●
Mineral based materials	●
Plastic	●

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

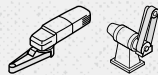
Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# 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

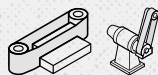
Available grits:

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:

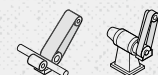
Glass/Stone	●
-------------	---

**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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

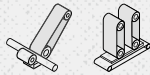
# Belts with cloth backing

Coated abrasives



Abrasive cloth, KULEX

## CS 326 Y



### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Backing	Y-polyester

### Applications:

Stainless steel	●
Steel	●

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

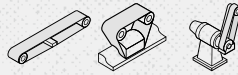
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, KULEX

## CS 329 JF



### Properties

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

### Applications:

Stainless steel	●
Steel	●

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

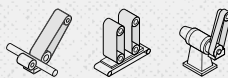
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, KULEX

## CS 329 Y



### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Backing	Y-polyester

### Applications:

Stainless steel	●
Steel	●

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

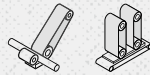


# Belts with cloth backing

Coated abrasives

Abrasive cloth, waterproof

## CS 330 X



### Properties

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

### Applications:

Stainless steel	●
Steel	●

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

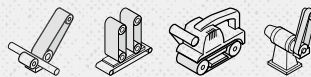
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## CS 333 X



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	X-cotton

### Applications:

Glass/Stone	●
Plastic	●
Metals	●

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

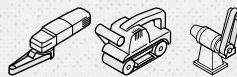
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## CS 333 XF



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	XF-cotton

### Applications:

Metals	●
NF metals	●
Plastic	●

**Advantages:** Long service life and high abrasive performance - Top product for robot grinding of brass fittings - Optimal combination of flexibility and tear resistance

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.



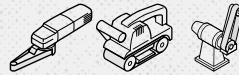
# Belts with cloth backing

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

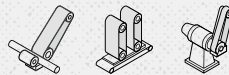
Available grits:

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

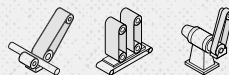
Available grits:

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

Other grits and sizes available on request.

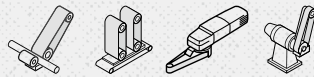
Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with cloth backing

Coated abrasives

Abrasive cloth, multibond

## CS 410 X



### Properties

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

### Applications:

Stainless steel	●
NF metals	●

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

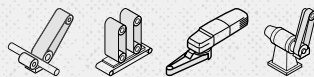
### Available grits:

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

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

Abrasive cloth

## CS 411 X



### Properties

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

### Applications:

Stainless steel	●
Steel	●
Metals	●

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

### Available grits:

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

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

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with cloth backing

Coated abrasives

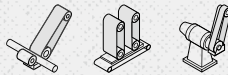


→ Continuation of CS 411 X, Abrasive cloth

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

Abrasive cloth, waterproof

## CS 411 Y



### Properties

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

### Applications:

Stainless steel	●
Steel	●
Metals	●

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

Available grits:

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

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

Other grits and sizes available on request.

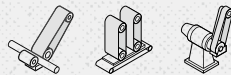
Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

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

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

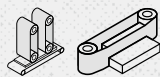
### Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

## CS 416 Y



### Properties

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

### Applications:

Stainless steel	●
Plastic	●
NF metals	ⓘ

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

### Available grits:

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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# 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

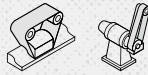
Available grits:

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.



# Belts with cloth backing

Coated abrasives

Abrasive cloth

## CS 710 XF

**NEW**



### Properties

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

### Applications:

Steel	●
Stainless steel	●
NF metals	●

**Advantages:** Machine grinding of molded parts and weld seams in trade and industry - Flexible, yet tear-resistant backing - Abrasive belt with hardened and tempered aluminium oxide

### Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## GX 712 JF



### Properties

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

### Applications:

NF metals	●
Stainless steel	●
Steel	●
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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.



# Belts with cloth backing

Coated abrasives



Abrasive cloth, waterproof

## CS 811 Y ACT



### Properties

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

### Applications:

Die-cast aluminium	●
Stainless steel	●
Steel	●

**Advantages:** High aggressiveness and abrasive performance - Developed for applications under high stress - Especially good grain adhesion and service life due to 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	●
Titanium/Alloy	●

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

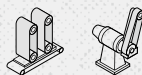
### Available grits:

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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Belts with cloth backing

Coated abrasives

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 semiopen 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

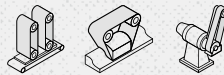
### Available grits:

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

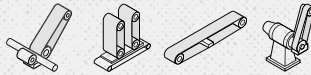
All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

Non-woven web belt

## NBS 800



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications:

Stainless steel	●
NF metals	●
Metals	○

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

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

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

Other grades and sizes available on request.

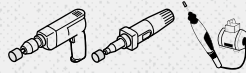
Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Abrasive sleeves

Coated abrasives

Abrasive cloth

## CS 310 X



### Properties

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

### Applications:

Metals	●
Plastic	○

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

### Available grits:

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

Diameter x Height in mm	Grit	Packing unit/pcs.	Cat. number
10 x 20	80	50	11555
10 x 20	150	50	11554
13 x 25	50	50	28188
13 x 25	80	50	11558
15 x 30	50	50	11568
15 x 30	80	50	11567
15 x 30	150	50	11566
22 x 20	50	50	11571
22 x 20	80	50	11570
22 x 20	150	50	11569
30 x 20	50	50	11574
30 x 20	80	50	11573
30 x 20	150	50	11572
30 x 30	50	50	11577
30 x 30	80	50	11576
30 x 30	150	50	11575
45 x 30	50	50	11580
45 x 30	80	50	11579
45 x 30	150	50	11578
60 x 30	50	25	11583
60 x 30	80	25	11582
60 x 30	150	25	11581
75 x 30	50	25	11586
75 x 30	80	25	11585
75 x 30	150	25	11584

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

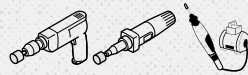
# Abrasive sleeves

Coated abrasives



Abrasive cloth

## CS 310 X



### Properties

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

### Applications:

Metals	●
Plastic	⊙

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

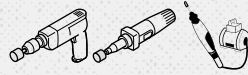
Available grits:

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

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

Abrasive cloth, multibond

## CS 451 X



### Properties

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

### Applications:

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

Available grits:

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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 38-45.

# Rubber drums

Rubber drums

## GK 555



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

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

Rubber drums

## GK 555 A



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

Diameter 1 x Diameter 2 x Height x Shaft in mm	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
22 x 29 x 30 x 6	30 m/s	19100 rpm	1	14855
22 x 36 x 60 x 6	30 m/s	15900 rpm	1	14856



# Notes



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A large grid of small dots for taking notes, consisting of approximately 30 columns and 40 rows of dots.

# Wide belts

Applications guide

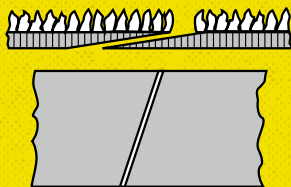
## Belt joints for wide belts

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.

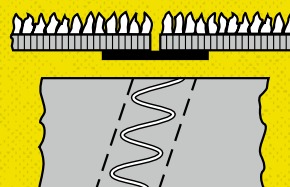
The following illustrations show the usual types of joint. The available types of joint are listed in the product charts on the following product pages.

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.

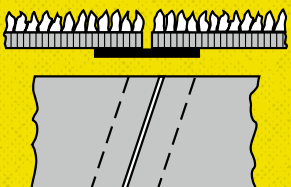
**If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.**



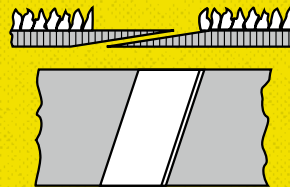
**Form 1**  
Overlapping glued joint. Standard joint for wide belts with paper backing.



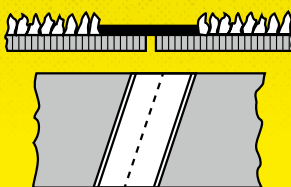
**Form 3 G**  
Zig zag joint, with foil backing for finishing surfaces that must be of the highest quality using wide belts with cloth backing.



**Form 4 G**  
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 6 G**  
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		Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm			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	Super RRF/RRL 311/313, Super RLF 311/313, Super MRL 311/313	1120/1370	1900	
	CMOWKS	900/1100/1300	2500		SWO 313 RRF	1370	2620
Biesse	Levia 95	970	1900	SWT 113 K	970	1900	
	Levia 110	1120	2150	SWT 142 RK, SWT 124 MK, SWT 124 RC, SWT 134 RCC, SWT 134 RRK	1120	1900	
	Levia 110R	1115	2620	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	
	Levia 135, Levia 135R 2, Levia 135R 3	1370	2150	SWT 515 C	1370	2150	
	Levia 210, Levia 220	970	1900	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	
	Levia 310, Levia 320, Levia 330	1120/1370	2150	SWT 700	1350/1650	2620/3250	
	Regal 135 2, Regal 135 3, Regal 520, Regal 530	1370	2620	SWT 900	1350/1650/2200	2620/3250	
Regal 320, Regal 330	1120/1370	2620	Vega 111, Vega 211 C-E, Vega 311	1120	2150		
Boere	B, Kombi, Sandonomic C, Sandonomic KC	610/810/910/1010/1110/1310	1900	Vega 113, Vega 213 C-E, Vega 313	1370	2150	
	Elite B	610/910/1100/1310	1900	Libra 1 (TC 95, RR 95, RT 95, RTC 95)	970	2200	
	Elite B/T	610/910	1900	Libra 2 (TC 110, RR 110, RT 110, RTC 110)	1120	2200	
	Elite B/T	1110/1310/1660	2620	Libra 3 (110 RRT, 110 RRR, 110 RRTC)	1120	2200	
	Elite-LAC K, Elite-LAC KK	1100/1300	2620	Libra 4/2 (RR 135, RT 135, RTC 135, TCTC 135, TCT 135, TT 135)	1380	2620	
	Elite-T	610/910/1110/1310	1900	Libra 4/3 (RRR 135, RRT 135, RTCTC 135, RRTC 135, RTT 135, RTCT 135)	1380	2620	
	Elite TP	910/1110/1310	1900	Libra 6 (RT 115, RR 115, RT 135, RR 135)	1180/1380	2620	
	Merite C, Merite KC	1010	1900	Libra 10	970	1525	
	MT C, MT KS/KK, MT KKS/KKK	410/610/940	1525	Libra 30 (RTC 95, TC 110, RTC 110)	970/1115	1900	
	Sandrite C, Sandrite KC	1110/1310	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	
Büftering	Select C, Select K, Select KC, Select KK, Select KS, Select KKC, Select KKK, Select KKS, Select CB, Select KSB	910/1110/1310	1900	Libra 50 (RR 135, RTC 135, RRR 135, RRTC 135)	1370	2620	
	Select +plus+	1370	2620	Libra 60 (RR135, RTC 135, RRR 135, RRTC 135)	1370	2620	
	AF 2, AF 3	1110/1360	2620	LEV 95 RT/RR/R+T	970	1900	
	AL-E	1360	2620	LEV 115 RT/RR/R+T	1180	1900	
	AWS 2, AWS 3, AWS Combi	1110/1360	1900	A, A1, AK, AF, AKF, AW1	1180/1380	2620	
	Optimat SBC 111/113/Classic, Optimat SBC 211/312/Classic, Optimat SBC 311/313/Classic	1120/1370	1900	K, KA, KB, KH, KK, KP, KBA, KBH, KHV, KKA, KKH, KKP, KPH	1350/1650	2620/3250	
	Optimat SBC 213/QC/Classic, Optimat SBC 313/QCE/Classic, Optimat SBC 313/RQE/Classic	1370	1900/2620	Elite CK, C/400, CT, CC, C/CK, CK/T	1150/1350	2620	
	E-Line 111, E-Line 211, E-Line 311	1120	1900	S, SA, SP	1150/1350	2620	
	E-Line 113, E-Line 213, E-Line 313	1370	1900	S4	1380/1680	4600	
	ECO 1100, ECO 2 K, ECO 2 KC, ECO 2 KK, ECO 2 C-E, ECO 2 K-E	1120	1900	SN	1380/1680	2620/3250	
	PRO 111, PRO 211	1120	1900	SH	1380	2620/3250	
	SBO 109	970	1900	SK (Serie 4)	1150	2200	
	SCO 213 CC, SCO 213 CH, SCO 213 QC, SCO 213 QH	1370	2620	SK (Serie 5, Serie 6)	1380	2620	
	SGO 109 K	970	1900	K (Serie 7)	350-1650	2620/3250	
	SGO 211 K, SGO 211 RK, SGO 211 MK, SGO 311 RKK	1120	1900	K (Serie 8)	1350-2200	2620/3250	
	SKO 111 C	1120	1900	K (Serie 9)	1650-3000	3250/4600	
	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					

Wide Belts

# Wide belts

Applications guide

## Wide belt machines

Manufacturer	Type	Abrasive belt size		Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm			Width in mm	Length in mm
DMC	Chronosand	1115/1315	2620	Holzmann	SPB 300R, SPB 300C, SPB 300RR, SPB 300RC	320	1900
	Eurosand L	1115/1370	2620		SPB 400R, SPB 400C, SPB 400RR, SPB 400RC	420	1900
	Mastersand 110, Mastersand 135	1115/1370	2620		SPB 430R, SPB 430C	450	1600
	Polisand	1130/1330	2200/2620		SPB 630R, SPB 630C	650	1600
	System 1350 RK	1370	2620		SPB 630R, SPB 630 RR, SPB 630RC	650	1900/2200
	System T2 1350, System T3 1350, System T5 1350, System T7 1350	1370	2620		SPB 910R, SPB 910C, SPB 910RC, SPB 910RR	930	1900/2200
	System BT44 1350	1370	2620		RP 950B	980	1900
	System BT22 2200	2220	2620		RRP 650 B	680	1900
	System T10	1370	2620		RRP 1000B	1030	2200
	Technosand K	1115/1370	2620		Aerostat	1130/1330	2200
	Technosand L	1115	2620	Aerostat I 1K	1050/1130/1350	1900	
	Topsand 2000	1370/1670/1920/2270	3250	Aerostat I 2 RS	1050/1130	1900	
	Unisand 2000	1370	2620	Aerostat II 2 RS, Aerostat II 2 RK, Aerostat 2 KS, Aerostat 2 KK	1130/1350	1900	
	Unisand K	1115/1370	2620	Compact 1K	1050	1900	
Linea Unisand K	1115/1370	1900	Compact 2 RS, Compact 2 RK	1050/1130	1900		
EMC	Explorer	670/970/1120	1900	MT 2/1100	1150	1900	
	Explorer Super	670/970/1120	2200	Primo, Triplex, Magiq, Topiq	1120/1350	2000	
	Giant	1370	2620	Enorm DUO 1100	1120	1900	
	Under-Top	1120	1900	Duplex	670/1120/1350/1620	2000	
	Venus	1120/1370	2200	Premium, Brilliant, Technic	420/670/1120/1350/1620/1920/2220	2000	
	Venus Super	1120/1370	2620	Alpha, Alphatronic	1120/1380	2150	
Ernst	820 (SIMPLEX, DUPLEX, KOMBI)	1400	2150	Comet 1	1120/1380	1900	
	Economic 520 (SIMPLEX, DUPLEX)	1400	2620	Comet 2, Comet 3	1100/1360	1900	
	LKKB(B)/K, LKB(B)/K, KBB/K	1400	2620/3150	Delta	1400	2150	
	EG 3 M/1400	1400	1540	Deltatronic	1120/1380	2150	
	EM 5N 900	900	1540	Euro	1120/1380	1900	
	EM 3N 1400, EGM 3M 1400	1400	1690	Euro 95 WS	970	1900	
	510, 530, 810, 830, 850	1400	2620	Lambda, Lambda KSE 2	1360	2620	
Felder	FW 650	670	1900	Megatronic	1120/1380	1900	
	FW 950 classic	970	1700	Omega, Omegatronic	1120/1380	2150	
	FW 952	970	1900	RSK-0	1120	1900	
	FW 1100, FW 1102	1110	1900	CSB-400	430	1600	
Format 4 (Felder Group)	finish 1102, finish 1302	1110/1310	2200	CSB-600, CSB-900, SCSB-1100, SCSB-1300	630/930/1130/1330	1900	
	Giant 1350	1350	4550	CSB-1600, CSB-1950	1630/1980	2620	
Griggio	GC65, GC95, GC110	670/970/1120	2150	CSB 2-600, CSB 2-900, SCSB 2-1100, SCSB 2-1300	630/930/1130/1330	1900	
	GI 1000 RR/RRT, GI 1300 RR/RRT	1120/1370	2620	CSB 2-1050, CSB 2-1300, CSB 2-1600, CSB 2-1950	1080/1330/1630/1980	2620	
Heesemann	MFA 10	1400	2620/3250	CSB 3-600, CSB 3-900, SCSB 3-1100, SCSB 3-1300	630/930/1130/1330	1900	
	EH 31.11	1120	1900	CSB 3-1050, CSB 3-1300, CSB 3-1600, CSB 3-1950	1080/1330/1630/1980	2620	
	EH 51.11, EH 52.11	1120	2150	KCSB-U	930/1130/1330	1900	
	EH 51.13, 52.13	1370	2150	SA 2100 W, SA 2100 C, SA 2100 K	600/900/1100/1350	1900	
	FBA 8	700/1400	2620	SA 2200 WW, SA 2200 WS, SA 2200 WC	600/900/1100/1350	1900	
	KSA 4	1350	3250	SA 2200 WK, SA 2200 WG	1100/1350	1900	
	KSA 8	1650/2050/2350/2650	2620/3250	SA 2200 KG	1100	1900	
	LSM 4-U, LSM 8	1350	2620/3250	SA 2300 WWW, SA 2300 WWS	600/900/1100	1900	
	LSM 6, KSM 8	1350	2620	SA 3100 W, SA 3100 C, SA 3100 K	900/1100/1350	1900	
	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				

# Wide belts

Applications guide



## Wide belt machines

Manufacturer	Type	Abrasive belt size		Manufacturer	Type	Abrasive belt size			
		Width in mm	Length in mm			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	Klingspor	Sandya 5	1115	1900		
	SA 3100 W, SA 3100 C, SA 3100 K	900/1100/1350	1900		Sandya 5 S, Sandya 600, Sandya 75	1115/1370	2150		
	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		Sandya 10/2, Sandya 10/3	1115/1320	2150		
	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		Sandya 10S, Sandya 15S, Sandya 16S	1115/1370	2620		
	SA 3400 WWWW, SA 3400 WWWS, SA 3400 WWWC	900/1100/1350	1900		Sandya 20, Sandya 9S	1115/1370	2620		
	SA 4100 W	1100/1350	2620		Sandya 30 CS	1315	2300		
	SA 4200 WW, SA 4200 WS, SA 4200 PW, SA 4200 WG, SA 4200 DW	1100/1350	2620		Sandya 30 CLK, Sandya 7	1115	2150		
	SA 4300 WWW, SA 4300 WWS, SA 4300 PWS, SA 4300 WWG, SA 4300 DWG, SA 4300 DKG	1100/1350	2620		Sandya 30 CL	1315	2150		
	SA 4400 WWWW, SA 4400 WWWS, SA 4400 WWKG	1100/1350	2620		Sandya 30/2, Sandya 30/3	930/1115/1315	2620		
	SCSB	630/930/1130/1330	1900		Sandya 40	1370	2620		
	SCSB2	630/930/1130/1330	1900		Sandya 50	1115/1315	1900		
	SCSB3	630/930/1130/1330	1900		Sandya 60	1115	2620		
	Timesavers-Grindingmaster 2000 Serie	600/900/1100/1350	1900		Sandya L90	915	2150		
	Timesavers-Grindingmaster 2100 Serie	600/900/1100/1350	1900		Sandya 90 CLX4G, Sandya 30 RRT130	1315	2620		
	Timesavers-Grindingmaster 2200 Serie	900/1100	1900		Sandya Win	640	1525		
	Timesavers-Grindingmaster 2200 Serie	1300	2620		Tagliabue	EuroSander 1350	1350 – 1400	2620/3250	
	Timesavers-Grindingmaster 3100 Serie	600/900	1525			EuroSander 1700	1650 – 1730	2620/3250	
	Timesavers-Sandingmaster 3300 Serie	900/1100/1350	1900/2150/2620			TAG	1400	2620/3250	
	Timesavers-Grindingmaster 4100 Serie	600/900/1350	1900			TAG E	1400	2620	
	Timesavers-Grindingmaster 4200 Serie	600/900/1350	1900			TAG EU	1400	2620/3250	
	Speedsander	930	1525			TAG L	430/630/830	2620	
	137-1HDMW	940	1525			Viet	Challenge 111/113, Challenge 211/213, Challenge 221/223, Challenge 321/323, Challenge 331/333	1130/1380	2620
	137-1HD60	940	1525				Challenge 111AK, Challenge 211A, Challenge 211AK, Challenge 221AK, Challenge 221A	1130	2200
	137-1HPM	940	1905		Challenge 221B/223B		1130/1380	2620	
	143-1HD60	1090	1525		Rita 3/CC, Rita 4/CC		1400	3250	
	CL 63TS, CL 110, CL 130	640/1115/1315	2150		S1, S2		1130/1380	2200/2620	
	Sandya CL 110M	1115	2150		S3		1130/1380/1630	2620	
	CS92, CS110, CS130	930/1115/1315	2300		S4		1380	3250	
	Sandya Uno (CC, CS, CCS, RR, RCS)	930	1525		S211, S219		1000	1900	
	Sandya 1K, Sandya 1S	970	1525		Valeria 1, 2, 3		1400	3250	
Sandya 3	970	1900	Weber	KSF	1120/1370/1620		2150/2620		
Sandya 3 S, Sandya 300	970/1115	1900		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 zirconia alumina - Optimal recipe for rough grinding and finish grinding of stainless steel

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.



# 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.

# Wide belts with paper backing

Coated abrasives

Abrasive paper, ANTISTATIC

## PS 27 DW



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Open
Backing	D-paper

### Applications:

Paint/Varnish/Filler	●
Aluminium	●
Plastic	○

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

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 - 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
1120 x 1900	60	F1	10	321842
1120 x 1900	80	F1	10	321843
1120 x 1900	120	F1	10	321845
1120 x 1900	150	F1	10	321846
1350 x 2620	60	F1	10	320413
1350 x 2620	80	F1	10	320414
1350 x 2620	150	F1	10	320417

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.

# Wide belts with paper backing

Coated abrasives

Abrasive paper, ANTISTATIC

## PS 38 G ACT



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	G-paper

### Applications:

Wood based materials	●
Wood	●
Composite materials	●
Mineral based materials	●

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.

# Wide belts with paper backing

Coated abrasives



Abrasive paper, KULEX

## PS 729 F



### 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 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.

# Wide belts with cloth backing

Coated abrasives

Abrasive cloth

## CS 308 Y



### Properties

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

### Applications:

Wood	●	Plastic	⓪
NF metals	●		
Stainless steel	●		
Steel	●		

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

## CS 310 X



### Properties

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

### Applications:

Metals	●	Plastic	⓪
Steel	●		
Stainless steel	●		
Wood	⓪		

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

Available grits:

16 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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.



# 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	⓪

**Advantages:** Specially developed for calibration grinding of wood - Reduced clogging and longer service life due to ACT recipe and antistatic properties

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

## CS 320 Y



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	Y-polyester

### Applications:

Mineral based materials	●
Plastic	●

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.

# 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 dry grinding

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 41. Please see Applications Guide on page 39-41, 80-83.

# 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>102</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 Advanced Coating Technology	<b>104</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>105</b>
	<b>FS 964 ACT</b>	Ceramic aluminium oxide	Fibre	●	Premium fibre disc with micro-crystalline, self-sharpening ceramic grit delivering superior aggressiveness and removal on construction steel and high alloy steels. Outstanding grit adhesion and service life thanks to Advanced Coating Technology	<b>107</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>106</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>108</b>

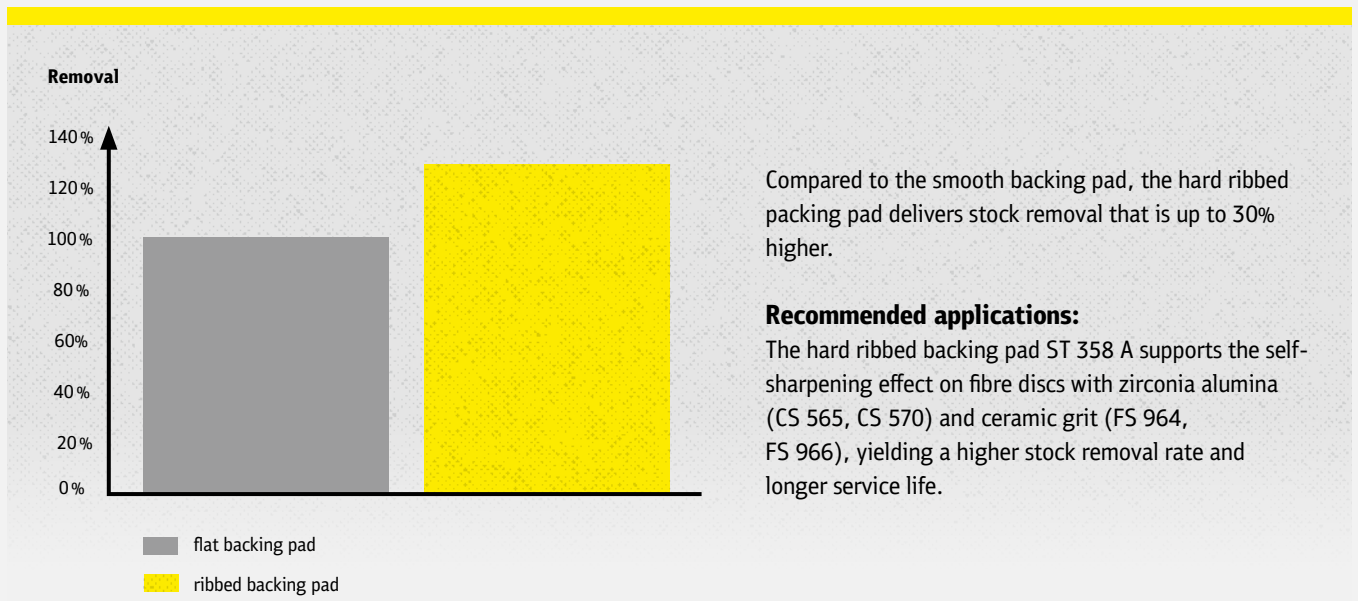
● = close   ● = semi-open   ○ = open

# Fibre discs

Applications guide

## Technical information about the backing pad

The right backing pad		
<b>Product</b>	 <b>ST 358</b>	 <b>ST 358 A</b>
<b>Backing pad form</b>	Medium hard, flat	Hard, ribbed
<b>Benefit</b>	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
<b>Application</b>	Finish grinding (grit 50 and finer), edge rounding, contour grinding, surface grinding	Rough grinding (up to grit 40 and coarser), chamfering, deburring work, welded seam work



### The safe use of Klingspor abrasives

Klingspor fibre discs have been tested according to the guidelines of the oSa directives and are guaranteed to comply with European safety standard EN 12413

-  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
-  Only permitted with a backing pad
-  Do not use if damaged

# Fibre discs

Applications guide



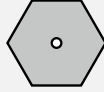
## Hole pattern for fibre discs



10 = round hole



30 = star-shaped hole

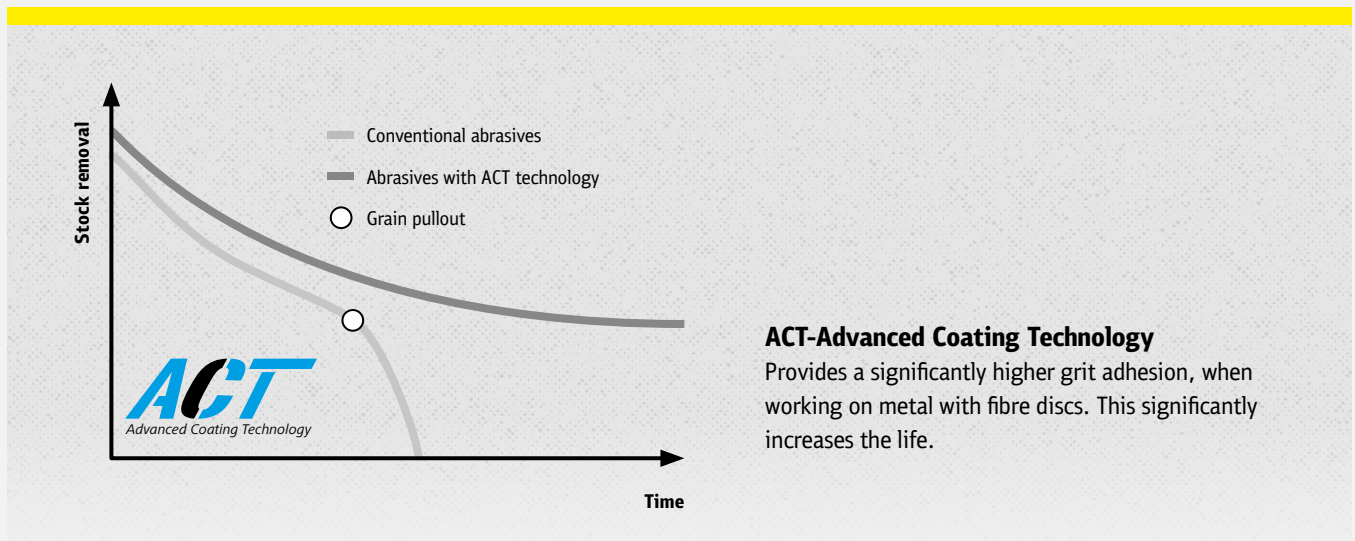


Additional special cutting shapes are available on request. Please ask for more information.



## Minimum order quantities for made to order items

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



# Fibre discs

## Coated abrasives

Abrasive fibre disc

### CS 561



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

#### Applications:

Steel	●	Stainless steel	⓪
NF metals	●	Wood	⓪
Metals	●		
Plastic	⓪		

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 101. Please see Applications Guide on page 99-101.

Continuation →



# Fibre discs

## Coated abrasives



→ Continuation of CS 561, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125 x 22	24	⊙ 10	25	66358
125 x 22	36	⊙ 10	25	66364
125 x 22	40	⊙ 10	25	66366
125 x 22	50	⊙ 10	25	66371
125 x 22	60	⊙ 10	25	66376
125 x 22	80	⊙ 10	25	70439
125 x 22	100	⊙ 10	25	66379
125 x 22	120	⊙ 10	25	66383
125 x 22	16	⊗ 30	25	11009
125 x 22	24	⊗ 30	25	11010
125 x 22	30	⊗ 30	25	11011
125 x 22	36	⊗ 30	25	11012
125 x 22	40	⊗ 30	25	11013
125 x 22	50	⊗ 30	25	11014
125 x 22	60	⊗ 30	25	11015
125 x 22	80	⊗ 30	25	11016
125 x 22	100	⊗ 30	25	11017
125 x 22	120	⊗ 30	25	11018
125 x 22	150	⊗ 30	25	11019
125 x 22	180	⊗ 30	25	11020
125 x 22	220	⊗ 30	25	11021
125 x 22	240	⊗ 30	25	11022
125 x 22	320	⊗ 30	25	11024
150 x 22	24	⊗ 30	25	11042
150 x 22	36	⊗ 30	25	11044
150 x 22	40	⊗ 30	25	11045
150 x 22	60	⊗ 30	25	11047
150 x 22	80	⊗ 30	25	11048
150 x 22	120	⊗ 30	25	11050
180 x 22	16	⊙ 10	25	66443
180 x 22	24	⊙ 10	25	66451
180 x 22	36	⊙ 10	25	66459
180 x 22	40	⊙ 10	25	70447
180 x 22	50	⊙ 10	25	70448
180 x 22	60	⊙ 10	25	70449
180 x 22	80	⊙ 10	25	66465
180 x 22	100	⊙ 10	25	66469
180 x 22	120	⊙ 10	25	66472
180 x 22	16	⊗ 30	25	11057
180 x 22	24	⊗ 30	25	11058
180 x 22	36	⊗ 30	25	11060
180 x 22	40	⊗ 30	25	11061
180 x 22	50	⊗ 30	25	11062
180 x 22	60	⊗ 30	25	11063
180 x 22	80	⊗ 30	25	11064
180 x 22	100	⊗ 30	25	11065
180 x 22	120	⊗ 30	25	11066
180 x 22	180	⊗ 30	25	11068
180 x 22	240	⊗ 30	25	11070
180 x 22	320	⊗ 30	25	11072
235 x 22	24	⊙ 10	25	66497

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 101. Please see Applications Guide on page 99-101.

# Fibre discs

## Coated abrasives

→ Continuation of CS 561, Abrasive fibre disc

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
235 x 22	36	⊙ 10	25	66502
235 x 22	40	⊙ 10	25	66504
235 x 22	60	⊙ 10	25	66511
235 x 22	80	⊙ 10	25	66514

Dispenser see page 110 / Backing pads see page 109

Abrasive fibre disc

## FS 764 ACT



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

### Applications:

Steel	●	NF metals	⓪
Stainless steel	●	Wood	⓪
Metals	●		
Plastic	⓪		

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

Dispenser see page 110 / Backing pads see page 109

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 101. Please see Applications Guide on page 99-101.

Abrasive fibre disc

# CS 565



**Properties**

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

**Applications:**

Stainless steel	●
Steel	●
Metals	●



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

**Available grits:**

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
100 x 16	36	⊙ 10	25	23680
100 x 16	60	⊙ 10	25	84604
100 x 16	80	⊙ 10	25	188678
115 x 22	24	⊙ 10	25	93409
115 x 22	36	⊙ 10	25	65698
115 x 22	40	⊙ 10	25	242800
115 x 22	50	⊙ 10	25	85517
115 x 22	60	⊙ 10	25	65700
115 x 22	80	⊙ 10	25	65701
115 x 22	24	⊗ 30	25	95335
115 x 22	36	⊗ 30	25	6686
115 x 22	40	⊗ 30	25	242801
115 x 22	50	⊗ 30	25	92066
115 x 22	60	⊗ 30	25	6687
115 x 22	80	⊗ 30	25	6688
115 x 22	100	⊗ 30	25	204609
125 x 22	36	⊙ 10	25	65681
125 x 22	40	⊙ 10	25	242802
125 x 22	60	⊙ 10	25	65707
125 x 22	80	⊙ 10	25	23001
125 x 22	24	⊗ 30	25	97643
125 x 22	36	⊗ 30	25	6620
125 x 22	40	⊗ 30	25	242803
125 x 22	50	⊗ 30	25	93054
125 x 22	60	⊗ 30	25	6721
125 x 22	80	⊗ 30	25	23005
125 x 22	100	⊗ 30	25	204611
180 x 22	36	⊙ 10	25	65702
180 x 22	60	⊙ 10	25	65705
180 x 22	80	⊙ 10	25	65706
180 x 22	24	⊗ 30	25	95993
180 x 22	36	⊗ 30	25	65703

**Continuation →**

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 101. Please see Applications Guide on page 99-101.

# Fibre discs

## Coated abrasives

→ Continuation of CS 565, Abrasive fibre disc

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

Dispenser see page 110 / Backing pads see page 109

Abrasive fibre disc, multibond

## CS 570



### Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

### Applications:

Stainless steel	●
Aluminium	●
NF metals	●



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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
100 x 16	36	⊙ 10	25	204823
100 x 16	60	⊙ 10	25	204825
100 x 16	80	⊙ 10	25	204826
100 x 16	120	⊙ 10	25	204828
115 x 22	36	⊙ 10	25	204797
115 x 22	60	⊙ 10	25	204799
115 x 22	80	⊙ 10	25	204800
115 x 22	120	⊙ 10	25	204802
115 x 22	24	⊗ 30	25	204085
115 x 22	36	⊗ 30	25	204086
115 x 22	40	⊗ 30	25	250258
115 x 22	50	⊗ 30	25	204087
115 x 22	60	⊗ 30	25	204088
115 x 22	80	⊗ 30	25	204089
115 x 22	100	⊗ 30	25	204090
115 x 22	120	⊗ 30	25	204091
125 x 22	36	⊙ 10	25	204806
125 x 22	60	⊙ 10	25	204811
125 x 22	80	⊙ 10	25	204812
125 x 22	120	⊙ 10	25	204814
125 x 22	24	⊗ 30	25	204092
125 x 22	36	⊗ 30	25	204093
125 x 22	40	⊗ 30	25	250259
125 x 22	50	⊗ 30	25	204094
125 x 22	60	⊗ 30	25	204095
125 x 22	80	⊗ 30	25	204096

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 101. Please see Applications Guide on page 99-101.

# Fibre discs

## Coated abrasives



→ Continuation of CS 570 ,Abrasive fibre disc, multibond

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
125 x 22	100	⊗ 30	25	204097
125 x 22	120	⊗ 30	25	204098
180 x 22	24	⊗ 30	25	204099
180 x 22	36	⊗ 30	25	204100
180 x 22	40	⊗ 30	25	250260
180 x 22	60	⊗ 30	25	204102
180 x 22	80	⊗ 30	25	204103
180 x 22	120	⊗ 30	25	204105

Dispenser see page 110 / Backing pads see page 109

Abrasive fibre disc

## FS 964 ACT



### Properties

Bonding agent Resin	
Grain	Ceramic Al. oxide
Coating	Close

### Applications:

Steel	●
Stainless steel	●

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
115 x 22	24	⊗ 30	25	330478
115 x 22	36	⊗ 30	25	330498
115 x 22	40	⊗ 30	25	330482
115 x 22	50	⊗ 30	25	330480
115 x 22	60	⊗ 30	25	330479
115 x 22	80	⊗ 30	25	330481
115 x 22	120	⊗ 30	25	330483
125 x 22	24	⊗ 30	25	330484
125 x 22	36	⊗ 30	25	330485
125 x 22	40	⊗ 30	25	330486
125 x 22	50	⊗ 30	25	330488
125 x 22	60	⊗ 30	25	330487
125 x 22	80	⊗ 30	25	330490
125 x 22	120	⊗ 30	25	330491
180 x 22	24	⊗ 30	25	330489
180 x 22	36	⊗ 30	25	330492
180 x 22	40	⊗ 30	25	330493
180 x 22	50	⊗ 30	25	330494
180 x 22	60	⊗ 30	25	330495
180 x 22	80	⊗ 30	25	330496

Dispenser see page 110 / Backing pads see page 109

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 101. Please see Applications Guide on page 99-101.

# Fibre discs

## Coated abrasives

Abrasive fibre disc, multibond

### FS 966 ACT



#### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close

#### Applications:

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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
115 x 22	36	⊗ 30	25	316490
115 x 22	40	⊗ 30	25	316491
115 x 22	50	⊗ 30	25	318504
115 x 22	60	⊗ 30	25	316492
115 x 22	80	⊗ 30	25	316493
115 x 22	120	⊗ 30	25	324237
125 x 22	24	⊗ 30	25	318305
125 x 22	36	⊗ 30	25	316494
125 x 22	40	⊗ 30	25	316495
125 x 22	60	⊗ 30	25	316496
125 x 22	80	⊗ 30	25	316497
125 x 22	120	⊗ 30	25	324239
180 x 22	24	⊗ 30	25	318352
180 x 22	36	⊗ 30	25	316498
180 x 22	40	⊗ 30	25	316499
180 x 22	60	⊗ 30	25	316501
180 x 22	80	⊗ 30	25	316502
180 x 22	120	⊗ 30	25	324238

Dispenser see page 110 / Backing pads see page 109

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 101. Please see Applications Guide on page 99-101.



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

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

Backing pad

## ST 358 A



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

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

# Dispenser for fibre discs

Dispenser for fibre discs

## FS 555



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

**Fibre discs not included**

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



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A large grid of small dots for taking notes.





# Strips/Sheets/Discs

## About the product

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

Application	Type	Grain	Backing	Coating	Characteristics	Page
Stainless steel	<b>NPA 400</b>	Aluminium oxide	Non-woven web		Grinding fleece, suited to deburring, cleaning and surface finishing	<b>135</b>
	<b>NDS 800</b>	Aluminium oxide	Non-woven web with polyester insert		Premium non-woven web disc with extra strong edges for demanding applications. Suited to rough cleaning work, deburring and working on weld seams	<b>161</b>
	<b>SV 484</b>	Aluminium oxide	Non-woven web with polyester insert		Standard non-woven web disc, superb value for money for finishing surfaces, slightly contoured surfaces	<b>160</b>
Steel / Stainless Steel	<b>PS 21 FK</b>	Zirconia alumina	F-paper	●	Premium self-fastening disc for finish grinding stainless steel and other metal surfaces using hand-operated machines. Ultra high level of aggressiveness and outstanding service life thanks to self-sharpening zirconia alumina. Exceptional stability and excellent edge strength on the perimeter thanks to strong F-paper backing	<b>143</b>
	<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>151</b>
	<b>NDS 400 K</b>	Aluminium oxide / SiC	Non-woven web		Non-woven disc for work on ultra-fine surfaces. The velour back lining makes the disc suitable for use on self-fastening backing pads.	<b>160</b>
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>131, 134</b>
	<b>KL 371 X</b>	Aluminium oxide	X-cotton	●	Economical universal product for surface grinding in metal processing	<b>132</b>
	<b>KL 385 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible universal product for the metal processing industry, good price-performance ratio	<b>133</b>
	<b>CS 411 XK</b>	Zirconia alumina	X-cotton	●	Product for universal use during the processing of metal and stainless steel that offers a robust, tear-resistant cloth-reinforced backing, unrivalled versatility and a high level of aggressiveness and grinding performance during rough grinding applications on steel and stainless steel	<b>158</b>
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. Advanced Coating Technology (ACT) and antistatic properties prevent premature clogging	<b>124</b>
	<b>PS 22 K</b>	Aluminium oxide	E-paper	○	Abrasive paper with semi-open coating and exceptional machining performance to create a uniform scratch pattern when processing wood and metal	<b>126, 144, 145</b>
	<b>PS 30 D</b>	Aluminium oxide	D-paper	○	Economical abrasive paper for versatile applications in the processing of wood and paint	<b>121, 124</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>126, 143</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>121, 125</b>
Paint / Varnish / Filler	<b>PS 33 B</b>	Aluminium oxide	B-paper	○	High quality abrasive paper, especially suited for paint, varnish and filler	<b>123</b>
	<b>PS 33 BK</b>	Aluminium oxide	B-paper	○	High quality grinding disc for outstanding results - especially on paint, varnish and filler	<b>128, 150</b>
	<b>PS 33 C</b>	Aluminium oxide	C-paper	○	High quality abrasive paper, especially suited for paint, varnish and filler	<b>122</b>
	<b>PS 33 CK</b>	Aluminium oxide	C-paper	○	High quality grinding disc for outstanding results - especially on paint, varnish and filler	<b>127, 148, 149</b>
	<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>123</b>
	<b>PS 73 BWK</b>	Aluminium oxide	B-paper	○	High quality grinding disc for outstanding results - especially on paint, varnish and filler - with a long service life thanks to added active agent coating	<b>154</b>
	<b>PS 73 CWK</b>	Aluminium oxide	C-paper	○	High quality grinding disc for outstanding results - especially on paint, varnish and filler - with a long service life thanks to added active agent coating	<b>153</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>126, 143</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>129, 152</b>
	<b>PS 11 A</b>	SiC	A-paper	●	High quality, highly flexible, waterproof abrasive paper for working on paint, varnish and filler especially in the car repair sector	<b>120</b>
	<b>PS 11 C</b>	SiC	C-paper	●	High quality, highly flexible, waterproof abrasive paper for working on paint, varnish and filler especially in the car repair sector	<b>119, 142</b>
	<b>PS 8 A</b>	SiC	A-paper	●	Very flexible, waterproof abrasive paper for processing paint, varnish and filler predominantly in the sector of car repair and body paint	<b>118</b>
	<b>PS 8 C</b>	SiC	C-paper	●	Very flexible, waterproof abrasive paper for processing paint, varnish and filler predominantly in the sector of car repair and body paint	<b>118</b>

● = close ○ = semi-open ○ = open

### 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>

### Cloth

X	Cloth, heavy
J	Cloth, light
JF	Cloth, light, highly flexible

### Properties

K	Self-fastening
W	Coated with active agent

Continuation →

# Strips/Sheets/Discs

## Applications guide

Application	Type	Grain	Backing	Coating	Characteristics	Page
Paint / Varnish / Filler	<b>NPA 500</b>		Non-woven web		Grinding fleece, excellently suited to deburring, cleaning and surface finishing	<b>135</b>
	<b>FD 500</b>	Aluminium oxide / SiC	Foam core		Foam-coated disc for finish grinding. Superior flexibility and adaptability on contours and profiles	<b>156</b>
	<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>137</b>
	<b>SK 700 A</b>	Aluminium oxide	Sponge	●	Suitable for flat or upright use on all four sides; the angled edge (approx. 45°) makes it an exceptional choice for narrow, tapering workpiece contours. Excellent contouring and pressure distribution thanks to flexible foam core. Robust, washable and reusable	<b>137</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>138</b>
	<b>SW 502</b>	SiC	Sponge	●	Structure like SW 501, though with more aggressive SiC grit	<b>139</b>
	<b>SW 510</b>	Aluminium oxide	Sponge	●	Thin, ultra flexible sanding sponge for particularly hard-to-reach areas such as indentations, profiles and edges - Tight foam structure, allowing for exceptionally uniform pressure distribution and an extra fine finish - No bending, no creases - Can be used wet and dry	<b>138</b>
Paint / Varnish / Filler / Plastic	<b>SW 512</b>	SiC	Sponge	●	Structure like SW 510, but including sharp-edged silicon carbide grit	<b>139</b>
Composites, gel coats, paints and coatings, plaster and plaster- board, wood fillers and varnish	<b>AN 400</b>	Aluminium oxide	Abrasive screen	●	Effective high extraction dust removal thanks to open grid structure	<b>130, 155</b>

● = close ○ = semi-open ○ = open

## 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 non-woven web
- ▶ 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	Minimum order quantities
<b>Sheets</b>	230 × 280 mm	250 pieces
	70 × 450 mm	500 pieces
<b>Strips</b>	115 × 140 mm	1,000 pieces
	93 × 230 mm	500 pieces
	115 × 280 mm	500 pieces
<b>Sheets exceeding 230 x 280 mm</b>	Minimum quantities on request	
<b>Large sheets</b>	1400 × 1540 mm	10 pieces

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

Other sizes available on request.

## 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
<b>AEG powertools</b>	FS 2	80 × 133	GL 18	self-fastening
	VS/E 230, VSS/E 260	93 × 180	GL 17	self-fastening
	VSSE 260, VSS 260	93 × 230	GL 9	for clamping
	FDS 140	115 × 140	GL 38	for clamping
	FDS 140	115 × 140	GL 39	self-fastening
	VSS 20, VSSE 230, VS 280, VSE 280, VSSE 280	115 × 230	GL 16	self-fastening
	VSS 20, VSSE 20, VS 280, VSSE 280	115 × 280	plain	for clamping
	VSS/E 20, VS/E 280, VSSE 280	115 × 280	GL 11	for clamping
<b>Atlas Copco</b>	VS 11	80 × 133	GL 18	self-fastening
	VSS 20, VSSE 20	115 × 230	GL 16	self-fastening
	VSS 20, VSSE 20	115 × 280	GL 11	self-fastening
	LS030 H070-3, LS030 S070-3	93 × 180	plain	for clamping
	LS031 H070-3, LS031 S070-3, LS032 H070-3, LS032 S070-3	93 × 180	GL 3	for clamping
<b>Black &amp; Decker</b>	P 63-01	80 × 133	GL 18	self-fastening
	KA 330 EKA	90 × 190	GL 4	self-fastening
	KA 175, KA 186, KA 186 E	93 × 180	GL 17	self-fastening
	KA 320 EKA	93 × 190	GL 4	self-fastening
	KA 320 EKA, KA 300	93 × 230	GL 3	for clamping
	BD 175, BD 180 E, DN 41 AE, DN 180 E, KA 185, KA 185 E, KC 185 E	93 × 230	GL 9	for clamping
	KC 962, VB 135 A, CD 400, BN 41 AE	93 × 230	GL 9	for clamping
	KA 185, KA 185 E	93 × 230	plain	for clamping
	KA 273	115 × 230	GL 16	self-fastening
	P 63-03, P 63-04, P 63-05, BD 273, SR 410	115 × 280	plain	for clamping
	P 63-03, P 63-04, P 63-05, KA 273, SR 410 E, BD 273, DN 41, BD 175, BD 180E	115 × 280	GL 11	for clamping
	VB 135A, DN 180E, KA 185E, KC 962, DN 49, DN 273, VB 250 E, KA274EKA	115 × 280	GL 11	for clamping

Continuation →

# Strips/Sheets/Discs

## Applications guide

Manufacturer	Type	Size in mm	Hole pattern	Design
<b>Bosch</b>	PSS 240 A, PSS 240 AE, GSS 16 A	80 × 133	GL 18	self-fastening
	GSS 23 AE, GSS 230 A, GSS 230 AE, PSS 22, PSS 23, PSS 23 AE	93 × 180	GL 17	self-fastening
	PSS 23 A, PSS 180, PSS 240, PSS 180 A, PSS 240 A, PSS 240 AE	93 × 180	GL 17	self-fastening
	GSS 230 AVE Professional	93 × 185	GL 10	self-fastening
	PSS 250 AE, PSS 200 A	93 × 190	GL 10	self-fastening
	PSS 240 A, PSS 240 AE, GSS 23, GSS 23 AE, GSS 230 AE, GSS 230 AVE Professional	93 × 230	GL 9	for clamping
	PSS 22, PSS 23 A, PSS 230, PSS 23, PSS 23 AE, PSS 250 AE,	93 × 230	GL 9	for clamping
	GSS 23, GSS 23 AE, GSS 230 AE, PSS 22, PSS 23, PSS 23 A, PSS 23 AE, PSS 230	93 × 230	plain	for clamping
	GSS 140 A	115 × 107	GL 37	self-fastening
	1289 D	115 × 115	plain	self-fastening
	GSS 140 A	115 × 140	GL 38	for clamping
	GSS 28/A, GSS 280 A/AE, PSS 28 AE/280 AE, PSS 300 AE, GSS 280 AVE Professional	115 × 230	GL 16	self-fastening
	GSS 28, PSS 28 AE, PSS 280 AE, GSS 280 AE	115 × 280	plain	for clamping
	GSS 28, PSS 28 AE, PSS 280 AE, GSS 280 AE, PSS 300 AE, GSS 280 AVE Professional	115 × 280	GL 11	for clamping
<b>Casals</b>	KLR 210, VLR 210, BLR 170	93 × 180	GL 17	self-fastening
	BLR 250, VLR 300	115 × 230	GL 16	self-fastening
	LN 216, LR 228	115 × 280	plain	for clamping
<b>DeWalt, ELU</b>	D26423, D 26422	93 × 230	GL 3	self-fastening
	D26441	108 × 115	GL 20	self-fastening
	DW634, DW636, VS 41, VS 71	115 × 230	GL 16	self-fastening
	VS 71	115 × 280	plain	for clamping
	DW634, DW636, VS 41, VS 71	115 × 280	GL 1	for clamping
	D26420, D26421	115 × 280	GL 1	self-fastening
	D26441	140 × 115	GL 33	for clamping
<b>Einhell</b>	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
<b>Fein</b>	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
<b>Felisatti</b>	TP 31 E	80 × 133	GL 18	self-fastening
	TP 115/350 VE, TP 517/AS	115 × 280	plain	for clamping
<b>Festool</b>	RS 4, RS 4 E, RS 4 - STF, RS 4 E - STF, RS 400, RS 400 Plus, RTS 400 (EQ-Plus, EQ, Q-Plus, Q)	80 × 133	GL 18	self-fastening
	RS 3 - STF, RS 4 E - STF, RS 4, RS 4 E	80 × 165	GL 8	for clamping
	RS 3, RS 3 Plus, RS 3 E, RS 3 E Plus, RS 3 - STF, RS 3 E - STF, RS 300, RS 300 Q/EQ	93 × 180	GL 17	self-fastening
	RS 3 - SFE, RS 3 E - SFE, LRS 93	93 × 180	GL 17	self-fastening
	RS 3 - STF, RS 3 E - STF	93 × 230	plain	for clamping
	RS 3 - STF, RS 3 E - STF	93 × 230	GL 9	for clamping
	RS 1, RS 2, RS 2 E, LRB - IAS, RS 200, RS 100C, RS 100 CQ, RS 200 Q/EQ	115 × 230	GL 15	self-fastening
	RS 2 - STF, RS 2 E - STF, RS 1 - STF, RS 2, RS 2 E	115 × 230	GL 16	self-fastening
	RS 2 - STF, RS 2 E - STF, RS 1 - STF	115 × 280	plain	for clamping
	RS 2 - STF, RS 2 E - STF, RS 1 - STF	115 × 280	GL 11	for clamping
<b>Flex</b>	OS 80-2, OSE 80-2	80 × 133	GL 18	self-fastening
	MS 713	115 × 105	GL 43	self-fastening
<b>HILTI</b>	WFO 280	115 × 280	GL 1	for clamping
	WFO 280	115 × 230	GL 15	self-fastening

Continuation →

# Sheets with paper backing

Coated abrasives



Abrasive paper

## PS 30 D



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	⓪

**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
230 x 280	40	50	194660
230 x 280	60	50	194662
230 x 280	80	50	194663
230 x 280	100	50	194664
230 x 280	120	50	194665
230 x 280	150	50	194666
230 x 280	180	50	194667
230 x 280	240	50	194668
230 x 280	320	50	194669

Finishing paper

## PL 31 B



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	⓪

**Advantages:** Product with optimal price-performance ratio - Optimized wear properties for hand 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	Packing unit/pcs.	Cat. number
230 x 280	40	50	2059
230 x 280	50	50	2060
230 x 280	60	50	2061
230 x 280	80	50	2062

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

Continuation →

# Sheets with paper backing

## Coated abrasives

→ Continuation of PL 31 B, Finishing paper

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

Abrasive paper

## PS 33 C



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

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

Available grits:

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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# Sheets with paper backing

Coated abrasives



Abrasive paper

## PS 33 B



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

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

Available grits:

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

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

Abrasive paper, actively coated

## PS 73 BW



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Plastic	●

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# Strips with paper backing

Coated abrasives

Abrasive paper, ANTISTATIC

## PS 22 F ACT



### Properties

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

### Applications:

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

**Advantages:** Premium product for hardwood - Good edge stability - Reduced clogging due to 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
115 x 280	40	100	6529
115 x 280	60	100	6531
115 x 280	80	100	6532
115 x 280	100	100	6533

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
115 x 280	60	100	194673
115 x 280	80	100	194674
115 x 280	120	100	194676
115 x 280	180	100	194679
115 x 280	240	100	194680

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.



# Strips with paper backing

Coated abrasives



Finishing paper

## PL 31 B



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	○

**Advantages:** Product with optimal price-performance ratio - Optimized wear properties for hand-held machine grinding - Very fine surface scratch pattern

### Available grits:

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

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
93 x 230	40		100	2416
93 x 230	60		100	2418
93 x 230	80		100	2419
93 x 230	100		100	2390
93 x 230	120		100	2391
93 x 230	180		100	2393
93 x 230	240		100	2395
93 x 230	40	GL 9	100	2665
93 x 230	60	GL 9	100	2667
93 x 230	80	GL 9	100	2668
93 x 230	120	GL 9	100	2670
93 x 230	180	GL 9	100	2684
115 x 280	40		100	2412
115 x 280	60		100	2414
115 x 280	80		100	2415
115 x 280	100		100	2379
115 x 280	120		100	2380
115 x 280	150		100	2381
115 x 280	180		100	2382
115 x 280	220		100	2383
115 x 280	240		100	2384
115 x 280	60	GL 1	100	5324
115 x 280	80	GL 1	100	5323
115 x 280	120	GL 1	100	5321

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# Strips with paper backing, self-fastening

Coated abrasives

Abrasive paper, self-fastening

## PS 19 EK



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

### Applications:

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

**Advantages:** Hard and sharp silicon carbide grain for hard and tough materials - Resistant high-performance product with a stable E-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 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
70 x 125	60		100	147593
70 x 125	80		100	140608
70 x 125	100		100	131668
70 x 125	120		100	129801
70 x 125	150		100	135581
70 x 125	180		100	129802
80 x 133	40	GL 18	100	149852
80 x 133	60	GL 18	100	149853
80 x 133	80	GL 18	100	149854
80 x 133	100	GL 18	100	149855
80 x 133	120	GL 18	100	149857
80 x 133	150	GL 18	100	232741
80 x 133	180	GL 18	100	232742

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# 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
80 x 133	220	GL 18	100	206371
100 x 115	80		100	103378
100 x 115	100		100	103379
100 x 115	120		100	103380
100 x 115	150		100	103381
115 x 115	80		100	82076
115 x 115	120		100	81637
115 x 115	150		100	94721
115 x 230	40	GL 15	100	122331
115 x 230	60	GL 15	100	116647
115 x 230	80	GL 15	100	116648
115 x 230	100	GL 15	100	116649
115 x 230	120	GL 15	100	114942
115 x 230	150	GL 15	100	111500

Abrasive paper, self-fastening

## PS 33 CK



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	⊙

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

Available grits:

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

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

Other grits and sizes available on request.






Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

Continuation →

# Strips with paper backing, self-fastening

Coated abrasives

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

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

Abrasive paper, self-fastening

## PS 33 BK



### Properties

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















### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	◐

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

Available grits:

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

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number
70 x 125	150		100	151784
70 x 125	180		100	148228
70 x 125	220		100	155500
70 x 125	240		100	152381
70 x 125	280		100	197133
80 x 133	150	 GL 18	100	149107
80 x 133	180	 GL 18	100	147479
80 x 133	220	 GL 18	100	149819
80 x 133	240	 GL 18	100	148050
80 x 133	320	 GL 18	100	149897
80 x 133	400	 GL 18	100	149899
93 x 178	150	 GL 17	100	149138
93 x 178	180	 GL 17	100	148047
93 x 178	240	 GL 17	100	148048
100 x 115	150		100	148658
100 x 115	180		100	147104
100 x 115	240		100	147105
115 x 230	150	 GL 15	100	149820
115 x 230	180	 GL 15	100	147183
115 x 230	220	 GL 15	100	149486
115 x 230	240	 GL 15	100	147184
115 x 230	320	 GL 15	100	147185

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# Strips with film backing, self-fastening

Coated abrasives



Abrasive film, active coated, self fastening

## FP 73 WK



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Plastic	⓪

**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

Self-fastening support

## CS 396 Y



### 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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# Abrasive screen, self-fastening / Hand block

Abrasive screen, self-fastening, waterproof

## AN 400



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Backing	Polyester screen

### Applications:

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

**Advantages:** Effective and full-surface dust extraction thanks to open grid structure - Dust-free grinding extends the service life of the abrasive - At the same time, improved health and safety thanks to reduced dust formation at the work station - Independent of existing extraction hole patterns - Waterproof

### Available grits:

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

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number
80 x 133	80	50	337892
80 x 133	100	50	337891
80 x 133	120	50	337890
80 x 133	150	50	337894
80 x 133	180	50	337889
80 x 133	240	50	337893
80 x 133	320	50	337895
80 x 133	400	50	337896

Hand block

## HK 100



**Advantages:** Excellent for flat and slightly convex surfaces - Fatigue-proof hand grinding due to ergonomic form - For strips in 70 x 125 mm

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

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 113-117.



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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# 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
230 x 280	40	50	2100
230 x 280	50	50	2101
230 x 280	60	50	2102
230 x 280	80	50	2103
230 x 280	100	50	2104
230 x 280	120	50	2105
230 x 280	150	50	2106
230 x 280	180	50	2107
230 x 280	220	50	2108
230 x 280	240	50	2109
230 x 280	280	50	119885
230 x 280	320	50	119886
230 x 280	400	50	119888

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# 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	●	Plastic	●
Metals	●		
NF metals	●		
Stainless steel	●		

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# Strips 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
115 x 280	40	100	73953
115 x 280	60	100	74436
115 x 280	80	100	72227
115 x 280	120	100	72488

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 115. Please see Applications Guide on page 113-117.

# Quick Change Discs

## About the product






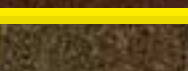
Klingspor Quick Change Discs are designed for use on pneumatic and electric die grinders. The Quick Change Discs allow a fast and safe tool change.

## Applications

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

## Advantages

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

Coated abrasive	Type	Grain	Coating	Characteristics	Page
	<b>QMC/QRC 412</b>	Aluminium oxide	●	The versatile disc for coarse and intermediate grinding on metal	<b>166, 170</b>
	<b>QMC/QRC 411</b>	Zirconia alumina	●	High stock removal rate for rough grinding and deburring of stainless steel and steel	<b>167, 170</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>167, 171</b>
	<b>QMC/QRC 910</b>	Ceramic aluminium oxide	●	Extremely sharp ceramic grain for highest aggressivity and multibond for cool grinding	<b>168, 172</b>
	<b>QMC/QRC 400</b>	Aluminium oxide		Soft non-woven web disc for finishing and cleaning work	<b>168, 172</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>169, 173</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.





# Quick Change Discs

Applications guide



## The system QMC (Quick Metal Connect)

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



## The system QRC (Quick Roll Connect)

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



## Installation on an angle grinder

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

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

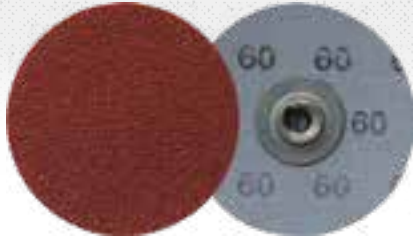


# Quick Change Discs

Quick Metal Connect

Quick Change Disc

## QMC 412



Properties	
Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

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

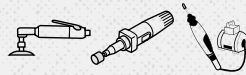
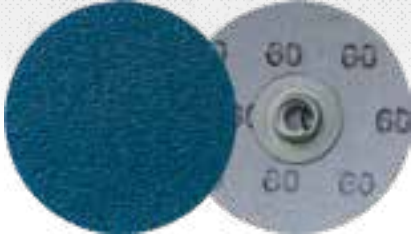
Backing pad see page 169 / Adapter see page 174.

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 164. Please see Applications Guide on page 162-165.

Quick Change Disc

## QMC 411



**Properties**

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

**Applications:**

Stainless steel	●
Metals	●

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

**Available grits:**

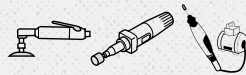
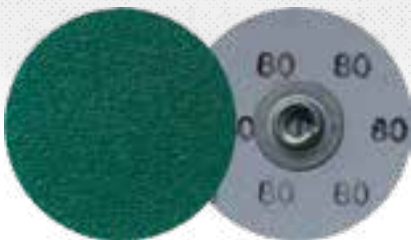
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number
50	36	100	295300
50	40	100	295301
50	60	100	295303
50	80	100	295304
50	120	100	295305
76	36	50	295312
76	60	50	295315
76	80	50	295316

Backing pad see page 169 / Adapter see page 174.

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
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number
50	40	100	295335
50	60	100	295337
50	80	100	295338
50	120	100	295339

Backing pad see page 169 / Adapter see page 174.

Other grits and sizes available on request.

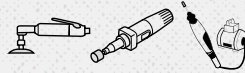
Please observe: Minimum order quantities for manufactured items see page 164. Please see Applications Guide on page 162-165.

# 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:

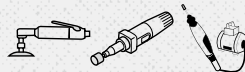
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number
38	60	100	295359
38	80	100	295360
50	36	100	295366
50	40	100	295367
50	60	100	295369
50	80	100	295370

Backing pad see page 169 / Adapter see page 174.

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	Colour	Grade	Packing unit/pcs.	Cat. number
50	bordeaux	medium	50	295392
50	bordeaux	fine	50	295393
50	bordeaux	very fine	50	295394

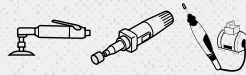
Backing pad see page 169 / Adapter see page 174. Information regarding grit range see chart on page 173.

Other grits/grades and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 164. Please see Applications Guide on page 162-165.

Quick Change Disc

## QMC 800



### Properties

Bonding agent Resin	
Grain	Aluminium oxide

### Applications:

Metals	●
Paint/Varnish/Filler	⓪

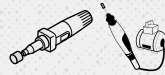
**Advantages:** For light deburring - For removal of rust and paint - Long life due to hard, stable quality of non-woven web material

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

Backing pad see page 169 / Adapter see page 174. Information regarding grit range see chart on page 173.

Backing pad

## QMC 555



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

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

Other grits/grades and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 164. Please see Applications Guide on page 162-165.

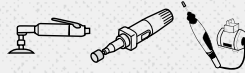


# Quick Change Discs

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:

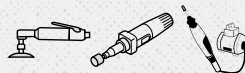
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number
50	36	100	295207
50	40	100	295208
50	60	100	295210
50	80	100	295211
50	120	100	295213
76	36	50	295229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

Backing pad see page 174 / Adapter see page 174.

Quick Change Disc

## QRC 411



### Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

### Applications:

Stainless steel	●
Metals	●

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

### Available grits:

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

Diameter in mm	Grit	Packing unit/pcs.	Cat. number
50	36	100	295306
50	40	100	295307
50	60	100	295309
50	80	100	295310

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 164. Please see Applications Guide on page 162-165.



# Quick Change Discs

Quick Roll Connect



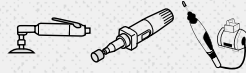
→ Continuation of QRC 411, Quick Change Disc

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

Backing pad see page 174 / Adapter see page 174.

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

Backing pad see page 174 / Adapter see page 174.

Other grits and sizes available on request.

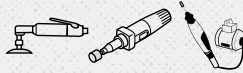
Please observe: Minimum order quantities for manufactured items see page 164. Please see Applications Guide on page 162-165.

# 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 Al. oxide - Continuously aggressive abrasive properties - Multibond allows cool grinding on stainless steel

### Available grits:

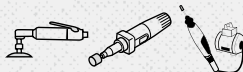
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
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Diameter in mm	Grit	Packing unit/pcs.	Cat. number
50	40	100	295372
50	60	100	295374
50	80	100	295375

Backing pad see page 174 / Adapter see page 174.

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 174 / Adapter see page 174. Information regarding grit range see chart on page 173.

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 164. Please see Applications Guide on page 162-165.

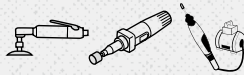
# Quick Change Discs

Quick Roll Connect



Quick Change Disc

## QRC 800

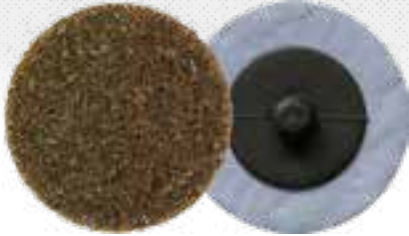


### Properties

Bonding agent Resin	
Grain	Aluminium oxide

### Applications:

Metals	●
Paint/Varnish/Filler	⓪



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

Backing pad see page 174 / Adapter see page 174.

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

Aggressiveness decreasing ↓

Other grits/grades and sizes available on request.

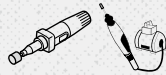
Please observe: Minimum order quantities for manufactured items see page 164. Please see Applications Guide on page 162-165.

# Quick Change Discs

Backing pads / Adapter

Backing pad

## QRC 555



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

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

Adapter for quick change discs

## QCA 555



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

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



---

A large grid of small dots for taking notes.







# Abrasive mop wheels

## About the product

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

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

## Machines

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



Die grinders



Angle grinders



Flexible shafts



Drilling machines



Floor stand grinders



Satin finishing machine

Type	Page	Material applications														Machine applications								
		Metal	Apparatus / container engineering	Precision engineering	Mould making	Fittings	Pipes	Profiled sections	Tools	Mountings	Cutlery	Wood	Contoured wood	Model construction	Profiled sections	Paint / varnish / fillers	Plastics	Flexible shafts	Drilling machines	Die grinders	Automatic grinders	Floor stand grinders	Angle grinders	Satin finishing machine
SM 611	182	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SM 611 W	183	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SM 611 H	184	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SM 611 S	189	●	●				●																	●
MM 630	186	●	○		○		○	○			●	●	●	●	●	○	●	●	●		●	●	●	●
MM 650	184	●	●	○	○	○	○	●		○	●	●	●	●	●	○	●	●	●	●	●	●	●	●
WSM 617	187	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●	○	●	●	●	●	●	●	●
FSR 618	186	●	○	●	●	●	●	●	●	●	○	○	○	○	○	○	●	●	●	●	●	●	●	●
NCW 600	188	●	●	●	●	●	●	●	●	●						○	●	●	●	●	●	●	●	●
NFW 600	188	●	●	●	●	●	●	●	●	●														
NCW 600 S	189	●	●				●																	●
NFW 600 S	190	●	●				●																	●

● = main application ○ = possible application

# Abrasive mop wheels

## Applications guide

### Mounting

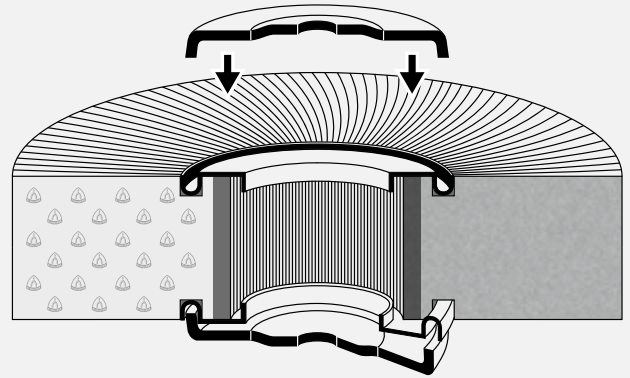
#### **Abrasive mop wheels SM 611, MM 650, Abrasive cloth mop wheels NCW/NFW 600**

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.

**The special abrasive mop and finishing mop models listed below are designed in such a way that they can be fitted on top of the respective machine shafts without any additional SMD 612 clamping brackets.**



#### **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  $\varnothing$  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  $\varnothing$  25.4 mm mounting bore hole and can be mounted to a machine without the use of a mounting plate.



#### **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.



#### **Abrasive flap drum SM 611 S, Abrasive mop drum NCW / NFW 600 S**

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

# Abrasive mop wheels

Applications guide



## Minimum order quantities for made to order items

Product	Diameter in mm	Minimum order quantities
<b>SM 611</b>	100–165	20 pieces
<b>SM 611 W/H/S*</b>	200–300	10 pieces
<b>WSM 617*</b>	350–410	4 pieces
	100–165	20 pieces
<b>NFW 600 / NCW 600</b>	200–300	10 pieces
	350–410	4 pieces

\* Available dimensions on request

Product	Diameter in mm	Minimum order quantities
	165	20 pieces
<b>FSR 618</b>	200–300	10 pieces
	350–400	4 pieces
	100–165	20 pieces
<b>MM 650</b>	200–300	10 pieces
	>300	4 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 coarser than that used with a belt grinder.



### Abrasive belt 40 grit

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



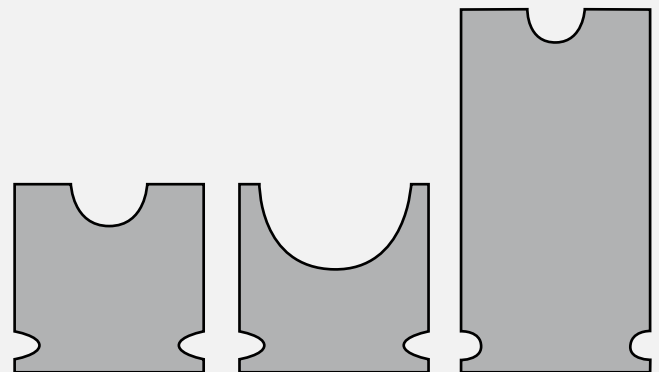
### Abrasive mop wheel 40 grit

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

## Common profilings

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

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



# Abrasive mop wheels

## Applications guide

### Selection of the correct mop diameter

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

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

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

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

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

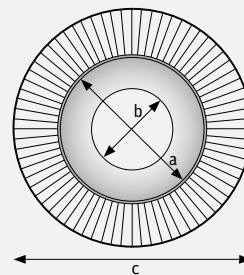
#### Maximum RPM

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

#### Optimal cutting rate

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

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



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

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

Type	Mop wheel outer Ø [mm]	Metal side cover		Matching clamping flange SMD 612
		Outer Ø [mm]	Hole [mm]	
SM 611	100 - 140	60	21,0	14821
	150 - 165	82	43,1	14823
	200 - 250	125	68,2	14824
	300	158	97,8	14826
	350	198	131,8	14827
	380 - 410	224	151,6	14829
	480 - 510	332	244,5	-
MM 650	250	82	43,1	14823
NCW/NFW 600	165	82	43,1	14823
	200	125	68,2	14824

\* applies to standard versions (stock items)

# Abrasive mop wheels

Applications guide



## 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.

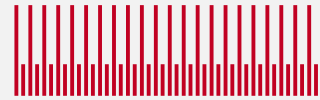
Exception: Starting at a diameter of  $\geq 250$  mm, a width of  $\geq 50$  mm, and a grit size of 220 and finer, abrasive mop wheels are manufactured with a packet assembly ratio of 5:1.



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

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

## The safe use of Klingspor abrasives

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



Wear safety goggles or glasses to protect the eyes



Wear safety gloves to protect hands



Wear a dust mask



Observe safety instructions



Use ear muffs



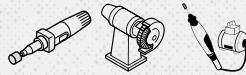
Do not use for wet grinding

# Abrasive mop wheels

## Abrasive mop

Abrasive mop

### SM 611



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications:

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

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

#### Available grits:

Diameter x Width x Bore in mm		Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 30 x 21	40	50 m/s	9500 rpm	5	12000	
100 x 30 x 21	60	50 m/s	9500 rpm	5	12002	
100 x 30 x 21	80	50 m/s	9500 rpm	5	12003	
100 x 30 x 21	120	50 m/s	9500 rpm	5	12005	
100 x 30 x 21	180	50 m/s	9500 rpm	5	12007	
140 x 50 x 21	40	50 m/s	6800 rpm	3	12060	
140 x 50 x 21	60	50 m/s	6800 rpm	3	12062	
140 x 50 x 21	80	50 m/s	6800 rpm	3	12063	
140 x 50 x 21	120	50 m/s	6800 rpm	3	12065	
165 x 25 x 43,1	40	50 m/s	5800 rpm	5	12075	
165 x 25 x 43,1	60	50 m/s	5800 rpm	5	12077	
165 x 25 x 43,1	80	50 m/s	5800 rpm	5	12078	
165 x 25 x 43,1	100	50 m/s	5800 rpm	5	12079	
165 x 25 x 43,1	120	50 m/s	5800 rpm	5	12080	
165 x 25 x 43,1	150	50 m/s	5800 rpm	5	12081	
165 x 25 x 43,1	180	50 m/s	5800 rpm	5	12082	
165 x 25 x 43,1	240	50 m/s	5800 rpm	5	12084	
165 x 30 x 43,1	40	50 m/s	5800 rpm	5	12090	
165 x 30 x 43,1	60	50 m/s	5800 rpm	5	12092	
165 x 30 x 43,1	80	50 m/s	5800 rpm	5	12093	
165 x 30 x 43,1	120	50 m/s	5800 rpm	5	12095	
165 x 30 x 43,1	180	50 m/s	5800 rpm	5	12097	
165 x 50 x 43,1	40	50 m/s	5800 rpm	3	12105	
165 x 50 x 43,1	50	50 m/s	5800 rpm	3	12106	
165 x 50 x 43,1	60	50 m/s	5800 rpm	3	12107	
165 x 50 x 43,1	80	50 m/s	5800 rpm	3	12108	
165 x 50 x 43,1	100	50 m/s	5800 rpm	3	12109	
165 x 50 x 43,1	120	50 m/s	5800 rpm	3	12110	
165 x 50 x 43,1	150	50 m/s	5800 rpm	3	12111	
165 x 50 x 43,1	180	50 m/s	5800 rpm	3	12112	
165 x 50 x 43,1	240	50 m/s	5800 rpm	3	12114	
165 x 50 x 43,1	320	50 m/s	5800 rpm	3	12116	
200 x 25 x 68,2	120	50 m/s	4800 rpm	5	12140	
200 x 50 x 68,2	40	50 m/s	4800 rpm	3	12165	

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.



# Abrasive mop wheels

## Abrasive mop



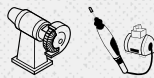
→ Continuation of SM 611, Abrasive mop

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
200 x 50 x 68,2	60	50 m/s	4800 rpm	3	12167
200 x 50 x 68,2	80	50 m/s	4800 rpm	3	12168
200 x 50 x 68,2	120	50 m/s	4800 rpm	3	12170
250 x 25 x 68,2	60	50 m/s	3800 rpm	2	12197
250 x 25 x 68,2	80	50 m/s	3800 rpm	2	12198
250 x 25 x 68,2	120	50 m/s	3800 rpm	2	12200
250 x 30 x 68,2	60	50 m/s	3800 rpm	2	12212
250 x 30 x 68,2	80	50 m/s	3800 rpm	2	12213
250 x 30 x 68,2	240	50 m/s	3800 rpm	2	12219
250 x 50 x 68,2	40	50 m/s	3800 rpm	1	12225
250 x 50 x 68,2	60	50 m/s	3800 rpm	1	12227
250 x 50 x 68,2	80	50 m/s	3800 rpm	1	12228
250 x 50 x 68,2	120	50 m/s	3800 rpm	1	12230
250 x 50 x 68,2	180	50 m/s	3800 rpm	1	12232
250 x 50 x 68,2	220	50 m/s	3800 rpm	1	12233
250 x 50 x 68,2	240	50 m/s	3800 rpm	1	12234
250 x 50 x 68,2	320	50 m/s	3800 rpm	1	12236
300 x 50 x 97,8	40	50 m/s	3200 rpm	1	12285
300 x 50 x 97,8	80	50 m/s	3200 rpm	1	12288
300 x 50 x 97,8	120	50 m/s	3200 rpm	1	12290
300 x 50 x 97,8	180	50 m/s	3200 rpm	1	12292
300 x 50 x 97,8	240	50 m/s	3200 rpm	1	12294
300 x 50 x 97,8	320	50 m/s	3200 rpm	1	12296

Use only with mounting plate SMD 612 (page 185)!

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. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
165 x 25 x 25,4	40	50 m/s	5800 rpm	5	221597
165 x 25 x 25,4	60	50 m/s	5800 rpm	5	221596
165 x 25 x 25,4	80	50 m/s	5800 rpm	5	221595
165 x 25 x 25,4	120	50 m/s	5800 rpm	5	221593
165 x 25 x 25,4	180	50 m/s	5800 rpm	5	221591

Other grits and sizes available on request.

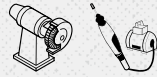
Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.

# Abrasive mop wheels

## Abrasive mop

Abrasive mop

### SM 611 H



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications:

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

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

#### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000																					
Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																
165 x 25 x 13	40	50 m/s	5800 rpm	5	10030																
165 x 25 x 13	60	50 m/s	5800 rpm	5	10005																
165 x 25 x 13	80	50 m/s	5800 rpm	5	10004																
165 x 25 x 13	120	50 m/s	5800 rpm	5	10006																
165 x 25 x 13	240	50 m/s	5800 rpm	5	10027																
165 x 50 x 13	40	50 m/s	5800 rpm	3	10022																
165 x 50 x 13	60	50 m/s	5800 rpm	3	10017																
165 x 50 x 13	80	50 m/s	5800 rpm	3	10018																
165 x 50 x 13	120	50 m/s	5800 rpm	3	15990																

Abrasive mop

### MM 650



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications:

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

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

#### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000																					
Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																
250 x 50 x 43,1	80	30 m/s	2300 rpm	2	2750																
250 x 50 x 43,1	100	30 m/s	2300 rpm	2	2486																
250 x 50 x 43,1	120	30 m/s	2300 rpm	2	2485																
250 x 50 x 43,1	150	30 m/s	2300 rpm	2	2483																

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.

# Abrasive mop wheels

## Abrasive mop



→ Continuation of MM 650, Abrasive mop

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
250 x 50 x 43,1	180	30 m/s	2300 rpm	2	2482
250 x 100 x 43,1	80	30 m/s	2300 rpm	1	10210
250 x 100 x 43,1	120	30 m/s	2300 rpm	1	2740
250 x 100 x 43,1	150	30 m/s	2300 rpm	1	2741
250 x 100 x 43,1	180	30 m/s	2300 rpm	1	2742

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

Mounting plate

## SMD 612



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

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

Other grits and sizes available on request.

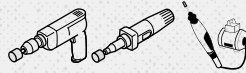
Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.

# Abrasive mop wheels

## Abrasive mop

Abrasive mop

### MM 630



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications:

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

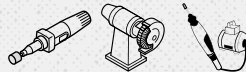
**Advantages:** Very suitable for workpieces with high profiles due to grinding flaps with longitudinal slots - For use on hand operated machines - Fine surface pattern

#### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000																			
Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number														
180 x 25 x 6	80	40 m/s	4200 rpm	2	262630														
180 x 25 x 6	120	40 m/s	4200 rpm	2	262631														
180 x 25 x 6	180	40 m/s	4200 rpm	2	262632														
180 x 50 x 6	80	40 m/s	4200 rpm	2	262634														
180 x 50 x 6	120	40 m/s	4200 rpm	2	262635														
180 x 50 x 6	180	40 m/s	4200 rpm	2	262636														

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.

# Abrasive mop wheels

Abrasive mop



Angle grinder mop

## WSM 617



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications:

Steel	●	Wood	●
Stainless steel	●		
Paint	●		
Plastic	●		

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

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000																				
Diameter x Width in mm	Grit	Thread/Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number														
115 x 20	40	thread M14	80 m/s	13300 rpm	2	277014														
115 x 20	60	thread M14	80 m/s	13300 rpm	2	277015														
115 x 20	80	thread M14	80 m/s	13300 rpm	2	277016														
115 x 20	120	thread M14	80 m/s	13300 rpm	2	277017														
125 x 20	40	thread M14	80 m/s	12200 rpm	2	277018														
125 x 20	60	thread M14	80 m/s	12200 rpm	2	277019														
125 x 20	80	thread M14	80 m/s	12200 rpm	2	277020														
125 x 20	120	thread M14	80 m/s	12200 rpm	2	277021														



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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.

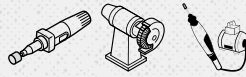


# Abrasive mop wheels

## Abrasive mop

Abrasive mop

### NCW 600



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications:

Stainless steel	●
Metals	●
Plastic	○

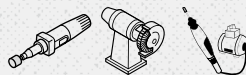
**Advantages:** Combination of non-woven and abrasive cloth flaps for a fine surface scratch pattern - Optimal wear properties - High removal rate - Long service life

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

Use only with mounting plate SMD 612 (page 185)!

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

Use only with mounting plate SMD 612 (page 185)!

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.



Satin finishing drum

## SM 611 S



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications:

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

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

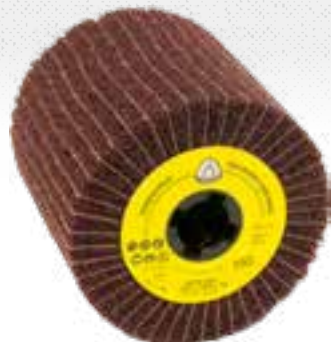
Available grits:

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

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

Satin finishing drum

## NCW 600 S



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications:

Stainless steel	●
Metals	●
Plastic	○

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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.

Continuation →

# Satin finishing drums

→ Continuation of NCW 600 S, Satin finishing drum

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

Satin finishing drum

## NFW 600 S



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications:

Metals	●
Stainless steel	●

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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 179. Please see Applications Guide on page 176-181.

# Small abrasive mops

Applications guide



## Application recommendations

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

## Factors influencing the grinding result

### Stock removal

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

Steady increased tool / grinding pressure

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

### Surface finish

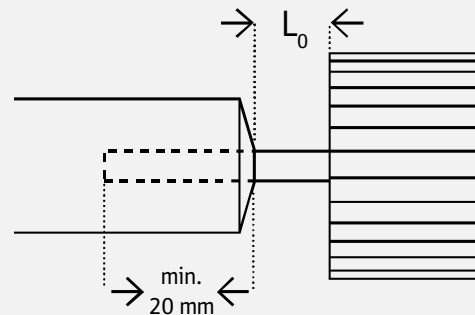
- ▶ The wear of the outer edge of the grinding flaps results in the presentation of new sharp abrasive grain, which results in a uniform surface finish
- ▶ The surface roughness decreases through an increase in the cutting rate
- ▶ An increase in the tool / grinding pressure results in a coarser surface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

### Temperature load

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

ø [mm]	Height [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
	≤ 40	40	12,700	9,500	7,300
60	50	32	10,150	7,900	6,300
	≤ 40	40	9,500	7,100	5,400
80	50	32	7,650	6,000	4,800

\* for exposed shank length L<sub>0</sub>=0 mm



### Tool wear

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

To ensure the optimal and most efficient use of a tool

- ▶ the maximum revolutions per minute may not be exceeded
- ▶ the fixing spindle length of the small abrasive mop in the mounting device must be at least 20 mm
- ▶ the set revolutions per minute may not be exceeded when using an exposed shaft length L<sub>0</sub> (please refer to the table above)

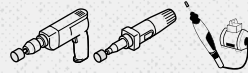
For additional information please refer to the safety information provided with the product.

# Small abrasive mop

Abrasive mop

Small abrasive mop

## KM 613



### Properties

Bonding agent	Resin
Grain	Aluminium oxide

### Applications:

Stainless steel	●
Metals	●
Wood	◐
Plastic	◐

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

Available grits:

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

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
10 x 10 x 3	40	40 m/s	76300 rpm	10	327992
10 x 10 x 3	60	40 m/s	76300 rpm	10	327993
10 x 10 x 3	80	40 m/s	76300 rpm	10	327994
10 x 10 x 3	120	40 m/s	76300 rpm	10	327995
10 x 10 x 3	180	40 m/s	76300 rpm	10	327997
10 x 10 x 3	240	40 m/s	76300 rpm	10	327998
10 x 10 x 3	320	40 m/s	76300 rpm	10	327999
20 x 10 x 3	40	40 m/s	38150 rpm	25	325947
20 x 10 x 3	60	40 m/s	38150 rpm	25	325948
20 x 10 x 3	80	40 m/s	38150 rpm	25	305324
20 x 10 x 3	120	40 m/s	38150 rpm	25	307342
20 x 10 x 3	180	40 m/s	38150 rpm	25	305888
20 x 10 x 3	240	40 m/s	38150 rpm	25	307343
20 x 10 x 3	320	40 m/s	38150 rpm	25	307344
20 x 10 x 6	40	40 m/s	38150 rpm	25	284729
20 x 10 x 6	60	40 m/s	38150 rpm	25	284730
20 x 10 x 6	80	40 m/s	38150 rpm	25	284731
20 x 10 x 6	120	40 m/s	38150 rpm	25	284732
20 x 10 x 6	180	40 m/s	38150 rpm	25	284733
20 x 10 x 6	240	40 m/s	38150 rpm	25	284734
20 x 10 x 6	320	40 m/s	38150 rpm	25	284735
20 x 15 x 6	40	40 m/s	38150 rpm	25	284736
20 x 15 x 6	60	40 m/s	38150 rpm	25	284737
20 x 15 x 6	80	40 m/s	38150 rpm	25	284738
20 x 15 x 6	120	40 m/s	38150 rpm	25	284739
20 x 15 x 6	180	40 m/s	38150 rpm	25	284740
20 x 15 x 6	240	40 m/s	38150 rpm	25	284741
20 x 20 x 6	40	40 m/s	38150 rpm	25	284743
20 x 20 x 6	60	40 m/s	38150 rpm	25	284744
20 x 20 x 6	80	40 m/s	38150 rpm	25	284745
20 x 20 x 6	120	40 m/s	38150 rpm	25	284746
20 x 20 x 6	180	40 m/s	38150 rpm	25	284747
20 x 20 x 6	240	40 m/s	38150 rpm	25	284748
20 x 20 x 6	320	40 m/s	38150 rpm	25	284749

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 192. Please see Applications Guide on page 192-193.

# Small abrasive mop

## Abrasive mop



→ Continuation of KM 613, Small abrasive mop

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
25 x 10 x 6	40	40 m/s	30500 rpm	10	253816
25 x 10 x 6	60	40 m/s	30500 rpm	10	253591
25 x 10 x 6	80	40 m/s	30500 rpm	10	253592
25 x 10 x 6	120	40 m/s	30500 rpm	10	253593
25 x 15 x 6	40	40 m/s	30500 rpm	10	253817
25 x 15 x 6	60	40 m/s	30500 rpm	10	250985
25 x 15 x 6	80	40 m/s	30500 rpm	10	237496
25 x 15 x 6	120	40 m/s	30500 rpm	10	253606
25 x 15 x 6	150	40 m/s	30500 rpm	10	253607
25 x 15 x 6	240	40 m/s	30500 rpm	10	253608
30 x 5 x 3	60	40 m/s	25400 rpm	10	12781
30 x 5 x 3	80	40 m/s	25400 rpm	10	12782
30 x 5 x 3	120	40 m/s	25400 rpm	10	12784
30 x 5 x 3	240	40 m/s	25400 rpm	10	12787
30 x 5 x 6	60	40 m/s	25400 rpm	10	12790
30 x 5 x 6	80	40 m/s	25400 rpm	10	12791
30 x 5 x 6	120	40 m/s	25400 rpm	10	12793
30 x 5 x 6	150	40 m/s	25400 rpm	10	12794
30 x 5 x 6	240	40 m/s	25400 rpm	10	12796
30 x 10 x 3	60	40 m/s	25400 rpm	10	12808
30 x 10 x 3	80	40 m/s	25400 rpm	10	12809
30 x 10 x 3	120	40 m/s	25400 rpm	10	12811
30 x 10 x 3	240	40 m/s	25400 rpm	10	12814
30 x 10 x 6	40	40 m/s	25400 rpm	10	12816
30 x 10 x 6	60	40 m/s	25400 rpm	10	12817
30 x 10 x 6	80	40 m/s	25400 rpm	10	12818
30 x 10 x 6	100	40 m/s	25400 rpm	10	12819
30 x 10 x 6	120	40 m/s	25400 rpm	10	12820
30 x 10 x 6	150	40 m/s	25400 rpm	10	12821
30 x 10 x 6	180	40 m/s	25400 rpm	10	12822
30 x 10 x 6	240	40 m/s	25400 rpm	10	12823
30 x 10 x 6	320	40 m/s	25400 rpm	10	12824
30 x 15 x 6	40	40 m/s	25400 rpm	10	12843
30 x 15 x 6	60	40 m/s	25400 rpm	10	12844
30 x 15 x 6	80	40 m/s	25400 rpm	10	12845
30 x 15 x 6	100	40 m/s	25400 rpm	10	12846
30 x 15 x 6	120	40 m/s	25400 rpm	10	12847
30 x 15 x 6	150	40 m/s	25400 rpm	10	12848
30 x 15 x 6	180	40 m/s	25400 rpm	10	12849
30 x 15 x 6	240	40 m/s	25400 rpm	10	12850
30 x 15 x 6	320	40 m/s	25400 rpm	10	12851
40 x 10 x 6	40	40 m/s	19000 rpm	10	12870
40 x 10 x 6	60	40 m/s	19000 rpm	10	12871
40 x 10 x 6	80	40 m/s	19000 rpm	10	12872
40 x 10 x 6	120	40 m/s	19000 rpm	10	12874
40 x 15 x 6	40	40 m/s	19000 rpm	10	12906
40 x 15 x 6	60	40 m/s	19000 rpm	10	12907
40 x 15 x 6	80	40 m/s	19000 rpm	10	12908
40 x 15 x 6	100	40 m/s	19000 rpm	10	12909
40 x 15 x 6	120	40 m/s	19000 rpm	10	12910
40 x 15 x 6	150	40 m/s	19000 rpm	10	12911

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 192. Please see Applications Guide on page 192-193.

Continuation →

# Small abrasive mop

## Abrasive mop

→ Continuation of KM 613, Small abrasive mop

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
40 x 15 x 6	180	40 m/s	19000 rpm	10	12912
40 x 15 x 6	240	40 m/s	19000 rpm	10	12913
40 x 15 x 6	320	40 m/s	19000 rpm	10	12914
40 x 20 x 6	40	40 m/s	19000 rpm	10	12942
40 x 20 x 6	60	40 m/s	19000 rpm	10	12943
40 x 20 x 6	80	40 m/s	19000 rpm	10	12944
40 x 20 x 6	100	40 m/s	19000 rpm	10	12945
40 x 20 x 6	120	40 m/s	19000 rpm	10	12946
40 x 20 x 6	150	40 m/s	19000 rpm	10	12947
40 x 20 x 6	180	40 m/s	19000 rpm	10	12948
40 x 20 x 6	240	40 m/s	19000 rpm	10	12949
40 x 20 x 6	320	40 m/s	19000 rpm	10	12950
50 x 5 x 6	60	40 m/s	15200 rpm	10	135235
50 x 5 x 6	80	40 m/s	15200 rpm	10	136451
50 x 5 x 6	120	40 m/s	15200 rpm	10	251778
50 x 10 x 6	40	40 m/s	15200 rpm	10	12960
50 x 10 x 6	60	40 m/s	15200 rpm	10	12961
50 x 10 x 6	80	40 m/s	15200 rpm	10	12962
50 x 10 x 6	120	40 m/s	15200 rpm	10	12964
50 x 10 x 6	150	40 m/s	15200 rpm	10	12965
50 x 10 x 6	240	40 m/s	15200 rpm	10	12967
50 x 15 x 6	40	40 m/s	15200 rpm	10	12978
50 x 15 x 6	60	40 m/s	15200 rpm	10	12979
50 x 15 x 6	80	40 m/s	15200 rpm	10	12980
50 x 15 x 6	120	40 m/s	15200 rpm	10	12982
50 x 15 x 6	240	40 m/s	15200 rpm	10	12985
50 x 20 x 6	40	40 m/s	15200 rpm	10	12996
50 x 20 x 6	60	40 m/s	15200 rpm	10	12997
50 x 20 x 6	80	40 m/s	15200 rpm	10	12998
50 x 20 x 6	100	40 m/s	15200 rpm	10	12999
50 x 20 x 6	120	40 m/s	15200 rpm	10	13000
50 x 20 x 6	150	40 m/s	15200 rpm	10	13001
50 x 20 x 6	180	40 m/s	15200 rpm	10	13002
50 x 20 x 6	240	40 m/s	15200 rpm	10	13003
50 x 20 x 6	320	40 m/s	15200 rpm	10	13004
50 x 30 x 6	40	40 m/s	15200 rpm	10	61282
50 x 30 x 6	60	40 m/s	15200 rpm	10	61299
50 x 30 x 6	80	40 m/s	15200 rpm	10	61319
50 x 30 x 6	100	40 m/s	15200 rpm	10	61333
50 x 30 x 6	120	40 m/s	15200 rpm	10	61350
50 x 30 x 6	150	40 m/s	15200 rpm	10	71015
50 x 30 x 6	180	40 m/s	15200 rpm	10	61371
50 x 30 x 6	240	40 m/s	15200 rpm	10	71017
50 x 30 x 6	320	40 m/s	15200 rpm	10	61389
60 x 15 x 6	40	40 m/s	12700 rpm	10	13014
60 x 15 x 6	60	40 m/s	12700 rpm	10	13015
60 x 15 x 6	80	40 m/s	12700 rpm	10	13016
60 x 15 x 6	120	40 m/s	12700 rpm	10	13018
60 x 15 x 6	150	40 m/s	12700 rpm	10	13019
60 x 15 x 6	240	40 m/s	12700 rpm	10	13021
60 x 20 x 6	40	40 m/s	12700 rpm	10	13032

Other grits and sizes available on request.

Continuation →

Please observe: Minimum order quantities for manufactured items see page 192. Please see Applications Guide on page 192-193.



# Small abrasive mop

Abrasive mop



→ Continuation of KM 613, Small abrasive mop

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
60 x 20 x 6	60	40 m/s	12700 rpm	10	13033
60 x 20 x 6	80	40 m/s	12700 rpm	10	13034
60 x 20 x 6	120	40 m/s	12700 rpm	10	13036
60 x 20 x 6	180	40 m/s	12700 rpm	10	13038
60 x 20 x 6	240	40 m/s	12700 rpm	10	13039
60 x 30 x 6	40	40 m/s	12700 rpm	10	13050
60 x 30 x 6	60	40 m/s	12700 rpm	10	13051
60 x 30 x 6	80	40 m/s	12700 rpm	10	13052
60 x 30 x 6	100	40 m/s	12700 rpm	10	13053
60 x 30 x 6	120	40 m/s	12700 rpm	10	13054
60 x 30 x 6	150	40 m/s	12700 rpm	10	13055
60 x 30 x 6	180	40 m/s	12700 rpm	10	13056
60 x 30 x 6	240	40 m/s	12700 rpm	10	13057
60 x 30 x 6	320	40 m/s	12700 rpm	10	13058
60 x 40 x 6	40	40 m/s	12700 rpm	10	13068
60 x 40 x 6	60	40 m/s	12700 rpm	10	13069
60 x 40 x 6	80	40 m/s	12700 rpm	10	13070
60 x 40 x 6	100	40 m/s	12700 rpm	10	13071
60 x 40 x 6	120	40 m/s	12700 rpm	10	13072
60 x 40 x 6	150	40 m/s	12700 rpm	10	13073
60 x 40 x 6	240	40 m/s	12700 rpm	10	13075
60 x 50 x 6	40	32 m/s	10150 rpm	10	13086
60 x 50 x 6	60	32 m/s	10150 rpm	10	13087
60 x 50 x 6	80	32 m/s	10150 rpm	10	13088
60 x 50 x 6	120	32 m/s	10150 rpm	10	13090
60 x 50 x 6	180	32 m/s	10150 rpm	10	13092
80 x 15 x 6	40	40 m/s	9500 rpm	10	13104
80 x 15 x 6	60	40 m/s	9500 rpm	10	13105
80 x 15 x 6	80	40 m/s	9500 rpm	10	13106
80 x 15 x 6	120	40 m/s	9500 rpm	10	13108
80 x 15 x 6	150	40 m/s	9500 rpm	10	13109
80 x 15 x 6	240	40 m/s	9500 rpm	10	13111
80 x 20 x 6	40	40 m/s	9500 rpm	10	13122
80 x 20 x 6	60	40 m/s	9500 rpm	10	13123
80 x 20 x 6	80	40 m/s	9500 rpm	10	13124
80 x 20 x 6	120	40 m/s	9500 rpm	10	13126
80 x 30 x 6	40	40 m/s	9500 rpm	10	13140
80 x 30 x 6	60	40 m/s	9500 rpm	10	13141
80 x 30 x 6	80	40 m/s	9500 rpm	10	13142
80 x 30 x 6	100	40 m/s	9500 rpm	10	13143
80 x 30 x 6	120	40 m/s	9500 rpm	10	13144
80 x 30 x 6	150	40 m/s	9500 rpm	10	13145
80 x 30 x 6	240	40 m/s	9500 rpm	10	13147
80 x 30 x 6	320	40 m/s	9500 rpm	10	13148
80 x 40 x 6	40	40 m/s	9500 rpm	10	13158
80 x 40 x 6	60	40 m/s	9500 rpm	10	13159
80 x 40 x 6	80	40 m/s	9500 rpm	10	13160
80 x 40 x 6	120	40 m/s	9500 rpm	10	13162
80 x 50 x 6	40	32 m/s	7650 rpm	10	13176
80 x 50 x 6	60	32 m/s	7650 rpm	10	13177
80 x 50 x 6	80	32 m/s	7650 rpm	10	13178

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 192. Please see Applications Guide on page 192-193.

Continuation →

# Small abrasive mop

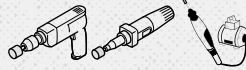
## Abrasive mop

→ Continuation of KM 613, Small abrasive mop

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
80 x 50 x 6	100	32 m/s	7650 rpm	10	13179
80 x 50 x 6	120	32 m/s	7650 rpm	10	13180
80 x 50 x 6	150	32 m/s	7650 rpm	10	13181
80 x 50 x 6	240	32 m/s	7650 rpm	10	13183
80 x 50 x 6	320	32 m/s	7650 rpm	10	13184

Small abrasive mop

## KM 615



### Properties

Bonding agent Resin

Grain Aluminium oxide

### Applications:

Stainless steel ●

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



Available grits:

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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 192. Please see Applications Guide on page 192-193.

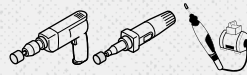
# Small abrasive mop

Abrasive mop



Small abrasive mop, cup-shaped

## KMT 614



### Properties

Bonding agent Resin	
Grain	Aluminium oxide

### Applications:

Metals	●
Wood	⓪
Plastic	⓪

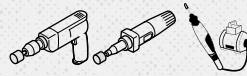
**Advantages:** Can be used in radial and front position

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Width x Shaft in mm		Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																		
60 x 40 x 6		40	40 m/s	12700 rpm	10	13194																		
60 x 40 x 6		60	40 m/s	12700 rpm	10	13195																		

Small finishing mop

## NCS 600



### Properties

Bonding agent Resin	
Grain	Aluminium oxide

### Applications:

Stainless steel	●
Metals	●
Plastic	⓪

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

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 192. Please see Applications Guide on page 192-193.

Continuation →

# Small abrasive mop

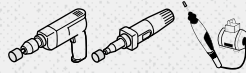
## Abrasive mop

→ Continuation of NCS 600, Small finishing mop

Diameter x Width x Shaft in mm	Grit	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
80 x 50 x 6	100	medium	maroon	32 m/s	7600 rpm	10	258945
80 x 50 x 6	150	medium	maroon	32 m/s	7600 rpm	10	258946
80 x 50 x 6	240	very fine	maroon	32 m/s	7600 rpm	10	258947
100 x 50 x 6	60	coarse	maroon	32 m/s	6100 rpm	4	258948
100 x 50 x 6	100	medium	maroon	32 m/s	6100 rpm	4	258949
100 x 50 x 6	150	medium	maroon	32 m/s	6100 rpm	4	258950
100 x 50 x 6	240	very fine	maroon	32 m/s	6100 rpm	4	258951

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 192. Please see Applications Guide on page 192-193.



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A large grid of small dots for taking notes.







# Abrasive mop discs

## About the product

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
























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

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

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

## Minimum order quantities for made to order items

Diameter	Minimum order quantities
up to 150 mm	320 pieces
180 mm	160 pieces

Type		Material								Application						Page	
		Steel	Stainless steel	High alloy stainless steel	NF-metals	Aluminium	Wood	Plastics	Paint / varnish / filler	Finish grinding	Welded seam work	Edge work; bevelling	Concave fillet weld work	Rust and varnish removal	Heat tinting and oxide film removal		
<b>SMT 314 EXTRA</b>		●			●	●	○										208
<b>SMT 324 EXTRA</b>		●	●	●						●							209
<b>SMT 324 EXTRA</b>		●	●	●							●	●					209
<b>SMT 325 EXTRA</b>		●	●	●						●							210
<b>SMT 325 EXTRA</b>		●	●	●							●	●					210
<b>SMT 524 ACCU</b>		●	●	●							●	●					211
<b>SMT 624 SUPRA</b>		●	●	●							●	●					211
<b>SMT 626 SUPRA</b>		●	●	●							●	●					213
<b>SMT 628 SUPRA</b>		●	●	●						●							212
<b>SMT 636 SUPRA</b>			●	●	●	●				●							214
<b>SMT 636 SUPRA</b>			●	●	●	●					●	●					214
<b>SMT 644 SUPRA</b>		●	●	●						●							214
<b>SMT 644 SUPRA</b>		●	●	●							●	●					214
<b>SMT 645 SUPRA</b>		●	●	●						●							215
<b>SMT 688 SPECIAL</b>		●	●	●						●		●					218
<b>SMT 800 SPECIAL</b>			●	●						●				●	●		219
<b>SMT 850 plus SPECIAL</b>			●	●							●						219
<b>SMT 924 SPECIAL</b>		●	●								●	●					216
<b>SMT 925 SPECIAL</b>		●	●	●						●							216
<b>SMT 925 SPECIAL</b>		●	●	●							●	●					216
<b>SMT 926 SPECIAL</b>		●	●	●							●	●					217
<b>SMT 996 SPECIAL</b>			●	●						●							218
<b>SMT 996 SPECIAL</b>			●	●							●	●					218
<b>MFW 600</b>		●	●	●								●					220
<b>NCD 200</b>		●	○	●	●	●	●	●	●					●	●		221
<b>PW 2000</b>		●	●	●	●	●	●	●	●					●	●		221
<b>NUD 500</b>			●	●						●					●		220

● = main application ○ = possible application

# Abrasive mop discs

## Applications guide

### 1. Red bar

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

### 2. Safety recommendations

oSa label

### 3. Dimensions

Product dimensions in 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.

# Abrasive mop discs

Applications guide



## Product structure

The three abrasive mop disc components are perfectly integrated to achieve maximum performance.

### 1. Grinding flaps

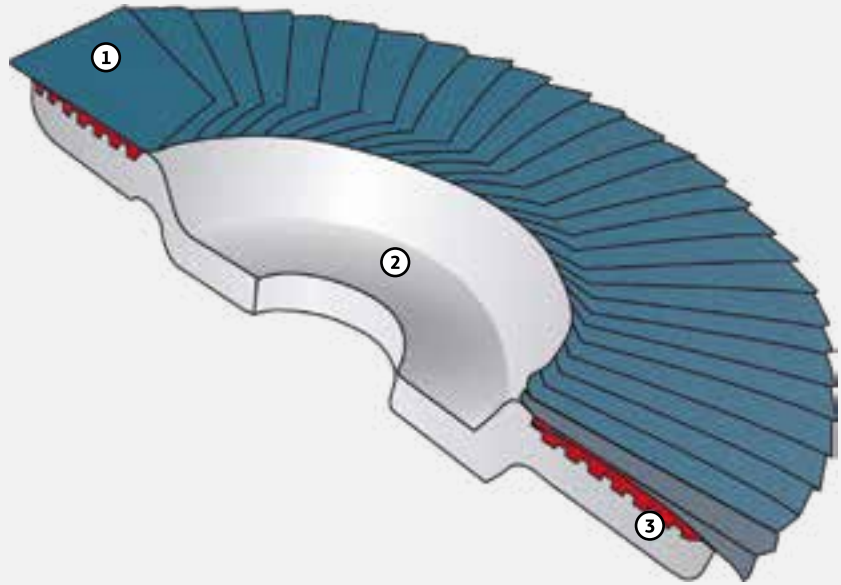
Klingspor has developed special coated abrasives for its abrasive mop discs. The grinding tool is perfect for use with high speed angle grinders (80 m/s) and corresponding applications. This ensures top grinding performance and long service life.

### 2. Backing plate

Klingspor uses two different backing plate types to produce abrasive mop discs. The first one is the most popular on the market made of glass fibre; the second one is made of plastic.

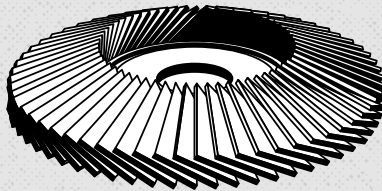
### 3. Glue

The glue (adhesive) is the joint between the backing plate and the grinding flaps. It ensures that the grinding flaps cannot come off the backing plate if used properly. It also ensures safety far above the guidelines of the oSa directives and the EN 13743 safety standard.

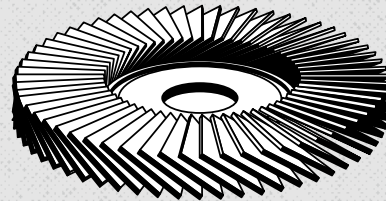


## Form

The convex abrasive mop disc grinds a narrower surface than the flat abrasive mop disc. The more selective use of the convex disc achieves a greater stock removal rate per time unit as compared to the flat mop disc. The convex abrasive mop disc is particularly suited to working on edges and welded seams. The flat disc is primarily used for flat and surface grinding.



convex



flat

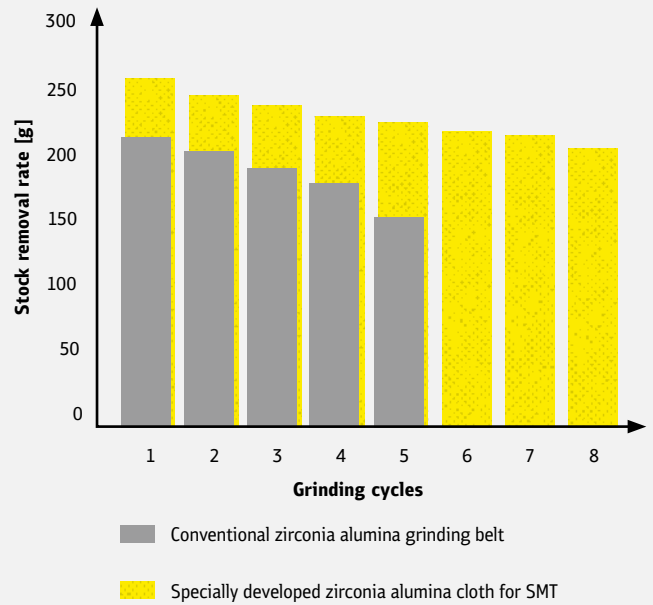


# Abrasive mop discs

Applications guide

## Coated abrasives

Compared to belt applications the coated abrasives for abrasive mop discs withstand much higher loads. On the one hand, the cutting speed of abrasive mop discs is approximately 2 to 2.5 times faster than the cutting rate of a belt application, on the other hand the backing must wear down to ensure that new, unused grit is used. Klingspor has developed special coated abrasives specifically for this product group. These are developed specifically for high powered angle grinders (80 m/s) and ensures 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

SMT programme



		Steel / NF metals	Steel / INOX			Stainless Steel	
		Aggression	Aggression			Aggression	
<b>SPECIAL</b>	Type:		<b>SMT 924</b>		<b>SMT 925</b>	<b>SMT 926</b>	<b>SMT 996</b>
							
	Aggression:		■■■■■■■■		■■■■■■■■	■■■■■■■□	■■■■■■■■
	Service life:		■■■■■■■■		■■■■■■■□	■■■■■■■■	■■■■■■■□
	Backing plate:		Glass fibre		Plastic	Glass fibre	Glass fibre
Form:		convex (6°)		convex (12°) / flat	convex (6°)	convex (6°) / flat	
<b>SUPRA</b>	Type:		<b>SMT 644</b>				
							
	Aggression:		■■■■■■■□				
	Service life:		■■■■■■■□				
	Backing plate:		Glass fibre				
Form:		convex (12°) / flat					
<b>EXTRA</b>	Type:		<b>SMT 624</b>	<b>SMT 628</b>		<b>SMT 626</b>	<b>SMT 636</b>
							
	Aggression:		■■■■■■■□	■■■■■■■□		■■■■■■■□	■■■■■■■□
	Service life:		■■■■■■■□	■■■■■■■□		■■■■■■■□	■■■■■■■□
	Backing plate:		Glass fibre	Glass fibre		Glass fibre	Glass fibre
Form:		convex (12°)	flat		convex (6°)	convex (6°) / flat	
<b>EXTRA</b>	Type:	<b>SMT 314</b>	<b>SMT 324</b>		<b>SMT 325</b>		
							
	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



<b>Class</b>	EXTRA
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ □ □ □ □



<b>Applications:</b>	
Steel	●
NF metals	●
Wood	○

<b>Properties</b>	
Grain	Aluminium oxide
Backing plate	Glass fibre
Design	Convex 12°

**Advantages:** Good stock removal rate on unalloyed steels - Also suitable for non-ferrous metals - Good removal rate on angle grinders of all performance classes

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																		
115 x 22,23		36	80 m/s	13300 rpm	10	322808																		
115 x 22,23		40	80 m/s	13300 rpm	10	322809																		
115 x 22,23		60	80 m/s	13300 rpm	10	322811																		
115 x 22,23		80	80 m/s	13300 rpm	10	322812																		
115 x 22,23		120	80 m/s	13300 rpm	10	322813																		
125 x 22,23		36	80 m/s	12200 rpm	10	322814																		
125 x 22,23		40	80 m/s	12200 rpm	10	322815																		
125 x 22,23		60	80 m/s	12200 rpm	10	322817																		
125 x 22,23		80	80 m/s	12200 rpm	10	322818																		
125 x 22,23		120	80 m/s	12200 rpm	10	322819																		
180 x 22,23		36	80 m/s	8500 rpm	10	322820																		
180 x 22,23		40	80 m/s	8500 rpm	10	322821																		
180 x 22,23		60	80 m/s	8500 rpm	10	322822																		
180 x 22,23		80	80 m/s	8500 rpm	10	322823																		

Please observe: Minimum order quantities for manufactured items see page 203. Please see Applications Guide on page 202-207.



Abrasive mop disc

## SMT 324 EXTRA



<b>Class</b>	EXTRA
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ □ □ □













<b>Applications:</b>	
Stainless steel	●
Steel	●



<b>Properties</b>	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 12°, flat

**Advantages:** Universal product for edges and surface work on steel and stainless steel - Good removal rate on angle grinders of all performance classes - No glazing, also under low grinding pressure

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																		
115 x 22,23		40	80 m/s	13300 rpm	10	321509																		
115 x 22,23		60	80 m/s	13300 rpm	10	321511																		
115 x 22,23		80	80 m/s	13300 rpm	10	321513																		
115 x 22,23		40	80 m/s	13300 rpm	10	321645																		
115 x 22,23		60	80 m/s	13300 rpm	10	321647																		
115 x 22,23		80	80 m/s	13300 rpm	10	321649																		
125 x 22,23		40	80 m/s	12200 rpm	10	321510																		
125 x 22,23		60	80 m/s	12200 rpm	10	321512																		
125 x 22,23		80	80 m/s	12200 rpm	10	321514																		
125 x 22,23		40	80 m/s	12200 rpm	10	321646																		
125 x 22,23		60	80 m/s	12200 rpm	10	321648																		
125 x 22,23		80	80 m/s	12200 rpm	10	321650																		

Please observe: Minimum order quantities for manufactured items see page 203. Please see Applications Guide on page 202-207.

# Abrasive mop discs

Abrasive mop disc

## SMT 325 EXTRA



<b>Class</b>	EXTRA
<b>Aggression</b>	■ ■ ■ ■ ■ □ □
<b>Service life</b>	■ ■ ■ ■ □ □ □

<b>Applications:</b>	
Stainless steel	●
Steel	●



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

**Advantages:** Universal product for edges and surface work on steel and stainless steel - Good removal rate on angle grinders of all performance classes - No glazing, also under low grinding pressure

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																		
115 x 22,23		40	80 m/s	13300 rpm	10	321659																		
115 x 22,23		60	80 m/s	13300 rpm	10	321661																		
115 x 22,23		80	80 m/s	13300 rpm	10	321663																		
115 x 22,23		40	80 m/s	13300 rpm	10	321653																		
115 x 22,23		60	80 m/s	13300 rpm	10	321655																		
115 x 22,23		80	80 m/s	13300 rpm	10	321657																		
125 x 22,23		40	80 m/s	12200 rpm	10	321660																		
125 x 22,23		60	80 m/s	12200 rpm	10	321662																		
125 x 22,23		80	80 m/s	12200 rpm	10	321664																		
125 x 22,23		40	80 m/s	12200 rpm	10	321654																		
125 x 22,23		60	80 m/s	12200 rpm	10	321656																		
125 x 22,23		80	80 m/s	12200 rpm	10	321658																		

Please observe: Minimum order quantities for manufactured items see page 203. Please see Applications Guide on page 202-207.

Abrasive mop disc

## SMT 524 AC

ACCU



<b>Class</b>	ACCU
<b>Aggression</b>	■ ■ ■ ■ ■ □ □
<b>Service life</b>	■ ■ ■ ■ □ □ □

<b>Applications:</b>	
Stainless steel	●
Steel	●



**ACCU**

<b>Properties</b>	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 12°

**Advantages:** All-rounder for edge and face machining - Optimized removal rate with long service life for all battery-powered angle grinders

**Available grits:**

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																		
115 x 22,23		40	80 m/s	13300 rpm	10	331172																		
115 x 22,23		60	80 m/s	13300 rpm	10	331173																		
115 x 22,23		80	80 m/s	13300 rpm	10	331174																		
125 x 22,23		40	80 m/s	12200 rpm	10	331175																		
125 x 22,23		60	80 m/s	12200 rpm	10	331176																		
125 x 22,23		80	80 m/s	12200 rpm	10	331177																		

Abrasive mop disc

## SMT 624

SUPRA



<b>Class</b>	SUPRA
<b>Aggression</b>	■ ■ ■ ■ ■ □ □
<b>Service life</b>	■ ■ ■ ■ □ □ □

<b>Applications:</b>	
Stainless steel	●
Steel	●



<b>Properties</b>	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 12°

**Advantages:** Aggressive stock removal rate and comfortable grinding behaviour - For universal use in demanding grinding work on steel and stainless steel - Optimal removal rate when used on high power angle grinders

**Available grits:**

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																		
100 x 16		36	80 m/s	15300 rpm	10	322758																		
100 x 16		40	80 m/s	15300 rpm	10	322759																		
100 x 16		60	80 m/s	15300 rpm	10	322760																		
100 x 16		80	80 m/s	15300 rpm	10	322761																		
100 x 16		120	80 m/s	15300 rpm	10	322762																		
115 x 22,23		36	80 m/s	13300 rpm	10	322764																		
115 x 22,23		40	80 m/s	13300 rpm	10	322765																		

**Continuation** →

Please observe: Minimum order quantities for manufactured items see page 203. Please see Applications Guide on page 202-207.

# Abrasive mop discs

→ Continuation of SMT 624, Abrasive mop disc

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		50	80 m/s	13300 rpm	10	322766
115 x 22,23		60	80 m/s	13300 rpm	10	322767
115 x 22,23		80	80 m/s	13300 rpm	10	322768
115 x 22,23		120	80 m/s	13300 rpm	10	322769
125 x 22,23		36	80 m/s	12200 rpm	10	322771
125 x 22,23		40	80 m/s	12200 rpm	10	322772
125 x 22,23		50	80 m/s	12200 rpm	10	322773
125 x 22,23		60	80 m/s	12200 rpm	10	322774
125 x 22,23		80	80 m/s	12200 rpm	10	322775
125 x 22,23		120	80 m/s	12200 rpm	10	322776
150 x 22,23		40	80 m/s	10200 rpm	10	322778
150 x 22,23		60	80 m/s	10200 rpm	10	322779
150 x 22,23		80	80 m/s	10200 rpm	10	322780
180 x 22,23		36	80 m/s	8500 rpm	10	322782
180 x 22,23		40	80 m/s	8500 rpm	10	322783
180 x 22,23		60	80 m/s	8500 rpm	10	322785
180 x 22,23		80	80 m/s	8500 rpm	10	322786
180 x 22,23		120	80 m/s	8500 rpm	10	322787

Abrasive mop disc

## SMT 628 SUPRA



<b>Class</b>	SUPRA
Aggression	■■■■■■■□
Service life	■■■■■■■□

<b>Applications:</b>	
Stainless steel	●
Steel	●



<b>Properties</b>	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Flat

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

Available grits:

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

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		36	80 m/s	13300 rpm	10	322789
115 x 22,23		40	80 m/s	13300 rpm	10	322790
115 x 22,23		60	80 m/s	13300 rpm	10	322792
115 x 22,23		80	80 m/s	13300 rpm	10	322793
115 x 22,23		120	80 m/s	13300 rpm	10	322794
125 x 22,23		36	80 m/s	12200 rpm	10	322795
125 x 22,23		40	80 m/s	12200 rpm	10	322796
125 x 22,23		60	80 m/s	12200 rpm	10	322798
125 x 22,23		80	80 m/s	12200 rpm	10	322799
125 x 22,23		120	80 m/s	12200 rpm	10	322800

Continuation →

Please observe: Minimum order quantities for manufactured items see page 203. Please see Applications Guide on page 202-207.

# Abrasive mop discs



→ Continuation of SMT 628, Abrasive mop disc

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
180 x 22,23		36	80 m/s	8500 rpm	10	322802
180 x 22,23		40	80 m/s	8500 rpm	10	322803
180 x 22,23		60	80 m/s	8500 rpm	10	322805
180 x 22,23		80	80 m/s	8500 rpm	10	322806

Abrasive mop disc

## SMT 626 SUPRA



Class	SUPRA
Aggression	■■■■■■■□
Service life	■■■■■■■□

Applications:	
Stainless steel	●
Steel	●



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

**Advantages:** High material removal rates - Considerably longer service life due to unique flap angle

Available grits:

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

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 22,23		36	80 m/s	13300 rpm	10	321686
115 x 22,23		40	80 m/s	13300 rpm	10	321689
115 x 22,23		50	80 m/s	13300 rpm	10	321692
115 x 22,23		60	80 m/s	13300 rpm	10	321694
115 x 22,23		80	80 m/s	13300 rpm	10	321697
115 x 22,23		120	80 m/s	13300 rpm	10	321683
125 x 22,23		36	80 m/s	12200 rpm	10	321687
125 x 22,23		40	80 m/s	12200 rpm	10	321690
125 x 22,23		50	80 m/s	12200 rpm	10	321693
125 x 22,23		60	80 m/s	12200 rpm	10	321695
125 x 22,23		80	80 m/s	12200 rpm	10	321698
125 x 22,23		120	80 m/s	12200 rpm	10	321684
180 x 22,23		36	80 m/s	8500 rpm	10	321688
180 x 22,23		40	80 m/s	8500 rpm	10	321691
180 x 22,23		60	80 m/s	8500 rpm	10	321696
180 x 22,23		80	80 m/s	8500 rpm	10	321699

Please observe: Minimum order quantities for manufactured items see page 203. Please see Applications Guide on page 202-207.



# Abrasive mop discs

Abrasive mop disc, multibond

## SMT 636 SUPRA



<b>Class</b>	SUPRA
<b>Aggression</b>	■■■■■■■□
<b>Service life</b>	■■■■■■■□

<b>Applications:</b>	Stainless steel ●
----------------------	-------------------



<b>Properties</b>	
Grain	Zirconia alumina multibond
Backing plate	Glass fibre
Design	Convex 6°, flat

**Advantages:** Special product for use on stainless steel - Cool grinding due to multibond - Suitable for use on edges and surfaces - No glazing or clogging

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																		
115 x 22,23		40	80 m/s	13300 rpm	10	322826																		
115 x 22,23		60	80 m/s	13300 rpm	10	322827																		
115 x 22,23		80	80 m/s	13300 rpm	10	322828																		
125 x 22,23		40	80 m/s	12200 rpm	10	322831																		
125 x 22,23		60	80 m/s	12200 rpm	10	322832																		
125 x 22,23		80	80 m/s	12200 rpm	10	322833																		
180 x 22,23		40	80 m/s	8500 rpm	10	322836																		

Abrasive mop disc

## SMT 644 SUPRA



<b>Class</b>	SUPRA
<b>Aggression</b>	■■■■■■■□
<b>Service life</b>	■■■■■■■□

<b>Applications:</b>	Steel ● Stainless steel ●
----------------------	------------------------------



<b>Properties</b>	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Convex 12°, flat

**Advantages:** Long service life when used on extremely steep edges - Constant stock removal level even when used on surfaces - No glazing or clogging, even at low machine output or low grinding pressure (<1000W)

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number																		
115 x 22,23		40	80 m/s	13300 rpm	10	329993																		
115 x 22,23		60	80 m/s	13300 rpm	10	329994																		
115 x 22,23		80	80 m/s	13300 rpm	10	329995																		
115 x 22,23		120	80 m/s	13300 rpm	10	329996																		
115 x 22,23		40	80 m/s	13300 rpm	10	329989																		
115 x 22,23		60	80 m/s	13300 rpm	10	329990																		

Continuation →

Please observe: Minimum order quantities for manufactured items see page 203. Please see Applications Guide on page 202-207.



Non-woven mop disc

## SMT 800 SPECIAL









### Applications:

Stainless steel	●
Steel	●

### Properties

Backing plate	Glass fibre
Design	Convex 12°

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

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

Combi-Abrasive mop disc

## SMT 850 plus 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

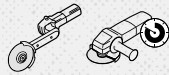
Diameter x Bore in mm	Form	Grit	Grade	Colour	Max. operating speed	Max. RPM	Recommended operating speed	Recommended RPM	Packing unit/pcs.	Cat. number
115 x 22,23		60	coarse	brown	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312556
115 x 22,23		80	medium	maroon	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312557
115 x 22,23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

Please observe: Minimum order quantities for manufactured items see page 203. Please see Applications Guide on page 202-207.

# Non-woven web wheels

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	Packing unit/pcs.	Cat. number
125 x 6 x 22	coarse	red	59 m/s	9000 rpm	5	342218
125 x 6 x 22	medium	grey	59 m/s	9000 rpm	5	342219
125 x 6 x 22	fine	grey	39 m/s	5900 rpm	5	342237
150 x 3 x 25,4	coarse	red	59 m/s	7500 rpm	10	337948
150 x 3 x 25,4	medium	grey	59 m/s	7500 rpm	10	337949
150 x 3 x 25,4	fine	grey	39 m/s	5000 rpm	10	337950
150 x 6 x 25,4	coarse	red	59 m/s	7500 rpm	5	337944
150 x 6 x 25,4	medium	grey	59 m/s	7500 rpm	5	337945
150 x 6 x 25,4	fine	grey	39 m/s	5000 rpm	5	337946
150 x 6 x 25,4	very fine	grey	39 m/s	5000 rpm	5	337947

High performance non-woven web wheels

## NUD 500



### Applications:

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

### Properties

Grain	SiC
-------	-----

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

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

Please observe: Please see Applications Guide on page 203.

Cleaning wheel

## NCD 200





### Applications:

Metals	●
Paint/Varnish/Filler	●
Plastic	●
Stainless steel	⓪

### Properties

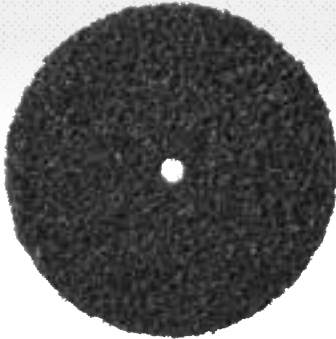
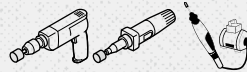
Bonding agent Resin	
Grain	SiC
Design	Flat

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

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

Power wheel, extra coarse

## PW 2000



### Applications:

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

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

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

Please observe: Please see Applications Guide on page 203.

# Fixing spindle

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

# Notes



---

A large grid of small dots for taking notes, consisting of approximately 30 columns and 40 rows of dots.









# Kronenflex® cutting-off wheels and grinding discs

## About the product

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

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

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

## Typical materials for these products

- ▶ Steel
- ▶ Stainless steel
- ▶ Construction steel
- ▶ NF metals
- ▶ Cast materials
- ▶ Stone
- ▶ Plastics
- ▶ Mineral materials
- ▶ Pipes
- ▶ Flat irons
- ▶ Tins
- ▶ Solid materials

## Typical applications for these products

- ▶ Bodywork
- ▶ Maintenance and repair work
- ▶ Locksmiths
- ▶ Steelwork
- ▶ Plant construction
- ▶ Container construction
- ▶ Upkeep
- ▶ Metal works
- ▶ Vehicle construction
- ▶ Foundries
- ▶ Shipyards

## Kronenflex® cutting-off wheels

Kronenflex® cutting-off wheels	Page
0,8–1,0 mm	234
Small cutting-off wheels	241
1,6–1,9 mm	242
2,0–3,2 mm	246
Large cutting-off wheels	254

## Kronenflex® grinding discs

Kronenflex® grinding discs	Page
Grinding discs	264

# Kronenflex® cutting-off wheels and grinding discs

Application guides

1. EAN code (EAN 13)
2. Safety pictograms
3. Max. operating speed
4. Klingspor cat. number
5. Specification of design, grade and bond according to EN 12413
6. Dimensions in mm and inches
7. Applications (see colour coding system)



8. Information about the manufacturer
9. Operating restrictions
10. Safety standard (oSa / EN 12413)
11. Max. RPM
12. Safety pictograms
13. Product group / type
14. Klingspor brand Kronenflex®

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



## 3. Metal ring

Provides information on the expiry date of the disc.

## 4. Glass fibre

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

The higher the potential lateral load on a cutting-off wheel (it is greater during free cutting than during stationary cutting), the more glass fibre that the cutting disc must contain, or the contained glass fibre must be more stable. Particularly thin material is used for thin cutting discs, (0.8 mm to 1.0 mm), to ensure that a large grit ratio is achieved between the layers. Grinding discs are constructed with at least 3 glass fibre layers.

## Klingspor cutting-off wheel and grinding disc colour coding system



**Metal universal:**  
Grey



**Stainless steel:**  
Blue



**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. Correct storage ensures a consistent long service life. Cutting-off wheels and grinding discs that are subjected to water or steam are a safety risk. The user is obligated to use the product correctly. Cutting-off wheels and grinding discs should not be used past the expiry date.

## Working safely

### By being careful and recognising risks

Please avoid the risks listed below when working with cutting-off wheels and grinding discs.

- ▶ contact with rotating abrasive discs
- ▶ abrasive disc breakage
- ▶ grinding dust and debris
- ▶ vibration
- ▶ noise

### Through personal protective gear

Goggles, gloves, ear muffs and dust masks must be worn. When working on hard grinding applications additional protective gear is required, such as face protection, leather aprons and safety boots.

### With protective machine guards

Machine guards are supplied with the grinding machine and may not be changed or removed. When using cup grinding wheels the outer surface must be completely enclosed.

In addition, cup grinding wheels may only be used in combination with an adjustable wheel guard, to balance the wear on the disc and to keep the exposure of the disc at a minimum.

### Through visual inspection and performance of checks prior to mounting

Ensure the disc RPM matches the machine RPM setting and avoid exceeding the maximum admissible operating speed. Carefully check the cutting-off wheel and grinding disc for damage. If the cutting-off wheel or grinding disc is damaged, do not use the damaged product. Our cutting-off wheels and grinding discs are marked with the corresponding safety pictograms.

### Through correct use

Ensure that the respective disc is being used correctly. Avoid damage to the mounting bore or to the disc through jerks, excessive force, or falls. Ensure that the disc is correctly and securely mounted and use the correct mounting flange. Prior to starting work, the abrasive disc should run at operating speed for at least 30 seconds. Please observe the FEPA safety regulations and the European Standard 12413.

The peripheral speed and grinding pressure are important parameters for achieving optimal cutting-off and grinding disc results.



## The optimal speed

### Too low

If the RPM of the machine is too low, the cutting-off wheel and grinding disc tend to “jump”, and the disc edges wear down unevenly. Particularly with thin material cross sections, such as cutting tin or wire, this causes the grit to be separated from the bond and the disc wear speed is above average.

### Optimal

Klingspor cutting-off wheels and grinding discs are high performance products and were developed such that best disc performance (measured 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 correct grinding pressure

An important requirement for a satisfactory cutting result is the correct grinding pressure. A common mistake is to reduce the grinding pressure to preserve the disc and extend the cutting life of the wheel. If this is done, the material overheats (turns blue); the cutting-off wheel becomes clogged and “burns up”. This is why the grinding pressure should always be set such that the cutting time is as short as possible. This is particularly true for heat sensitive material with large material cross sections.

## The proper hardness

### Cutting-off wheels

Generally, the rule of thumb when selecting the correct cutting-off wheel is: the harder the material, the softer the abrasive bond. The reason: the service life of a cutting-off wheel is dependent on whether the cutting surface of the workpiece hardens or not. Overheating results in the disc “glazing” and the cutting properties are negatively affected. In this case, the hardness of the bond should be decreased and a softer cutting-off wheel should be used.

### Grinding discs

The rule of thumb also applies to grinding discs: the harder the material, the softer the grinding disc bond. In addition, the application plays a decisive role. Corner grinding and the grinding of burrs and sharp edges can cause grit to be removed from the bond. We suggest the selection of a hard bond. On the other hand, when working on surfaces or small weld seams a disc that is too hard would become dull and would no longer be effective. It would have a good service life, but would also have a low stock removal rate and high work costs. A medium or soft disc bond would be best for finish grinding.

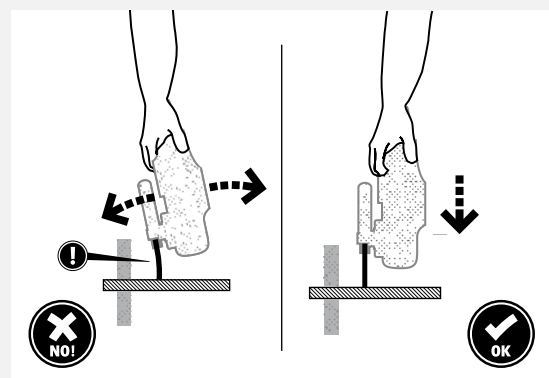
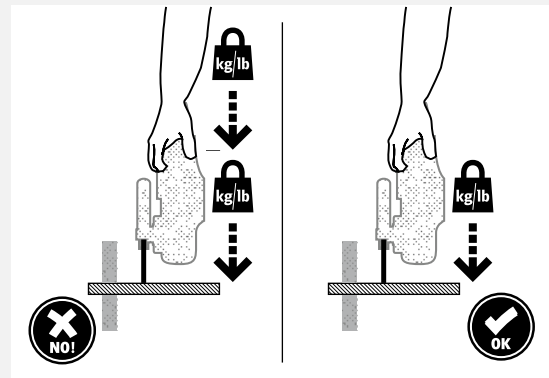


# Kronenflex® cutting-off wheels and grinding discs

## Application guides

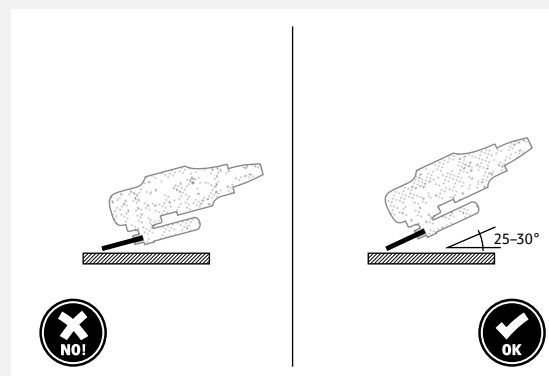
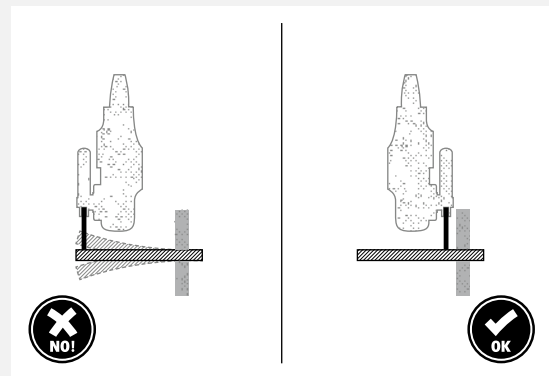
### Correct application/techniques for cutting-off

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



### Correct application/techniques for grinding

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





## The correct mount

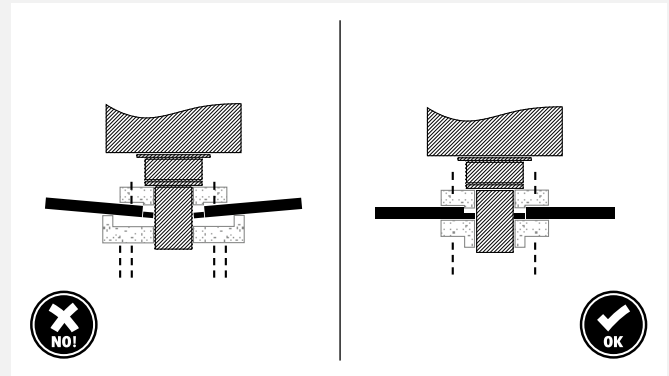
### For better power transmission

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

### For more safety

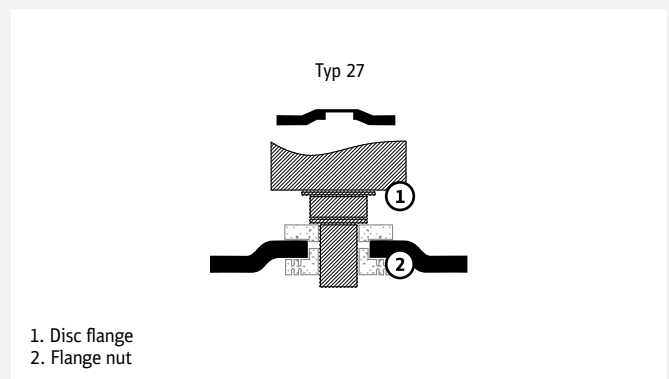
The use of wheel flange FL 76 provides increased lateral stability and user control, specifically when using thin cutting-off wheels with a flat form and diameter of 180 mm and 230 mm.

The applicable regulations and standards must be complied with when using the wheel flange. The contact surface and diameter of the wheel flange must match. Using wheel flanges with diameters that do not match is prohibited.



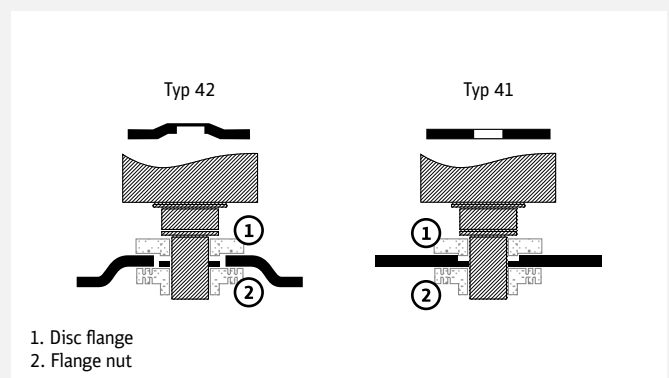
## Depressed centre grinding discs

4 - 10 mm thickness



## Flat and depressed centre cutting-off wheels

0.8 - 4 mm thickness



# Kronenflex® cutting-off wheels and grinding discs

## Application guides

### Recognise and avoid errors

	Issue	Possible cause	Solution
Cutting-off wheels	Cutting surface is blue	Cutting time is too long	Increase feed speed or grinding pressure
		Drive power is too low	Use a more powerful machine
		Disc is too hard	Select a softer bond
		Material cross section is too great for the disc diameter	Work with a saw cut / work with a smaller material diameter
		Cutting disc is too wide for the material/application	Use a thinner cutting disc
	Disc wear is too high	White cutting surface: disc hardness is too low	Select a harder bond
		Peripheral speed is too low	Increase peripheral speed
		RPM decrease is too great	Reduce grinding pressure or use a more powerful machine
	Crooked cut	Workpiece is not mounted properly	Mount the material closer to the cutting site
		Grinding pressure is too great	Reduce grinding pressure
		Disc width is too thin for the material/application	Increase disc width
		Disc is completely worn down	Replace disc
	Disc breakage	Machine is operated incorrectly	Avoid lateral pressure on the disc
		Incorrect wheel flange diameter	Use wheel flange with identical diameters
		Cutting-off wheel is used for grinding	Cutting-off wheels may not be used for grinding
Disc periphery is frayed	Material is not properly affixed	Mount the material closer to the cutting site	
	Disc periphery is burned	Select a softer bond, decrease grinding pressure	
Disc jumps	Material is not properly affixed	Mount the material closer to the cutting site	
	Wheel flange is dirty or worn out	Clean wheel flange or replace wheel flange	
	Bearing is defective	Replace machine or replace bearing	
Bore hole is broken	Bore dimension and mount do not match	Use proper bore dimension or use a reducer ring	
	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	

	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
	Wear is too high	Grinding pressure is too low	Increase grinding pressure
		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	

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



Cutting-off wheels

Cutting-off wheel

## A 60 TZ SPECIAL



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

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number
115 x 1 x 22,23	—	80 m/s	13300 rpm	10 discs	310503
125 x 1 x 22,23	—	80 m/s	12200 rpm	10 discs	310504

Minimum order quantity = 5 tins

Cutting-off wheel INOX

## A 960 TZ SPECIAL



Class	SPECIAL	Applications:
Bond	■ ■ ■ ■ ■ ■ ■ ■	Stainless steel ●
Aggression	■ ■ ■ ■ ■ ■ □	Steel ●
Service life	■ ■ ■ ■ ■ ■ ■ ■	

**Advantages:** Free of iron, sulphur and chlorine - Short cutting times and long service life - Low thermal load - Low burr formation - Optimized bonding for considerably longer service life - For diverse applications - 25 pieces delivered in the Kronenflex® box for long lasting high performance and moisture protection

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	322180
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	322181

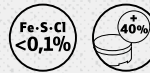
Please observe: Please see Applications Guide on page 224-233, 234.

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

for hand held machines

Ceramic cutting-off wheel

## K 960 TX SPECIAL



### CERAMIC

<b>Class</b>	SPECIAL
<b>Bond</b>	■■■■■■■■
<b>Aggression</b>	■■■■■■■■
<b>Service life</b>	■■■■■■■■

<b>Applications:</b>	
Steel	●
Stainless steel	●
High alloy steel	●
Carbon steel	●

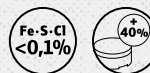
Titanium	●
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**Advantages:** Free of iron, sulfur and chlorine - Outstanding performance in daily use - Highest cutting performance, even with low grinding pressure - 25 pieces delivered in the Kronenflex® box for long lasting high performance and moisture protection

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 1 x 22,23	— —	80 m/s	13300 rpm	25	328885
125 x 1 x 22,23	— —	80 m/s	12200 rpm	25	328886

Cutting-off wheel INOX

## Z 960 TX SPECIAL



### ZIRCONIUM

<b>Class</b>	SPECIAL
<b>Bond</b>	■■■■■■■■
<b>Aggression</b>	■■■■■■■■
<b>Service life</b>	■■■■■■■■

<b>Applications:</b>	
Stainless steel	●
Alloys	●
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
115 x 1 x 22,23	— —	80 m/s	13300 rpm	25	322184
125 x 1 x 22,23	— —	80 m/s	12200 rpm	25	322185

Please observe: Please see Applications Guide on page 224-233, 234.

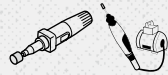
# Kronenflex® small cutting-off wheels for hand held machines



Cutting-off wheels

Small cutting-off wheel

## A 660 R SUPRA



<b>Class</b>	SUPRA		<b>Applications:</b>
Bond	■ ■ ■ ■ ■ ■ □ □	Steel	●
Aggression	■ ■ ■ ■ ■ ■ □ □	Stainless steel	●
Service life	■ ■ ■ ■ ■ □ □ □		

**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
50 x 1 x 6	—	100 m/s	38200 rpm	100	329096
50 x 1 x 10	—	100 m/s	38200 rpm	100	329097
76 x 1 x 6	—	100 m/s	25200 rpm	100	329098
76 x 1 x 10	—	100 m/s	25200 rpm	100	329099
76 x 1,6 x 6	—	100 m/s	25200 rpm	100	329100
76 x 1,6 x 10	—	100 m/s	25200 rpm	100	329101
100 x 1 x 6	—	100 m/s	19000 rpm	25	329102
100 x 1 x 10	—	100 m/s	19000 rpm	25	329103

Fixing spindle

## SD 660



**Advantages:** Fixing spindle for clamping on the small A 660 R cutting blades onto straight grinders, flexible shafts, and drilling machines - Fits 6 and 10 mm holes

Size in mm	Suitable for	Packing unit/pcs.	Cat. number
6	6 and 10 mm bore	1	337156

Please observe: Please see Applications Guide on page 224-233, 234.

# Kronenflex® cutting-off wheels

## 1,6 – 1,9 mm

### About the product

Klingspor Kronenflex® cutting-off wheels with a disc thickness of 1,6 to 1,9 mm combine excellent cutting properties with a high degree of lateral stability.

These wheels provide convincing arguments especially in day-to-day applications when working on materials with medium-strength cross sections. They are known for their short cutting time, good stability and minimal burr formation.

These advantages in connection with the wide range of applications make Klingspor Kronenflex cutting wheels of the 1,6 to 1,9 mm class the highest performing universal wheel for daily use in metalworking.

### Typical materials for these products

- ▶ Steel
- ▶ Stainless steel
- ▶ Construction steel
- ▶ NF metals
- ▶ Cast materials
- ▶ Pipes
- ▶ Flat iron
- ▶ Tins
- ▶ Solid materials

### Typical applications for these products

- ▶ Locksmiths
- ▶ Shipyards
- ▶ Steelwork
- ▶ Plant construction
- ▶ Metal works
- ▶ Vehicle construction

Material applications														
Type	Thickness [mm]	Steel	Hardened Steel	Tool steel	Stainless steel	High alloy steels	Corrosion and acid proof steels	Aluminium	Bronze	Copper	Brass	Die-cast aluminium	Zinc die-casting	Page
A 346 EXTRA	1,6-1,9	●	○	○	●	○	●		○	○	○	○	○	243
A 646 R SUPRA	1,6-1,9	●	●	○	●	●	●							243
A 46 TZ SPECIAL INOX	1,6-1,9	●	●	●	●	●	●	○	○	○	○		●	244
A 946 TZ SPECIAL	1,6-1,9	●	●	●	●	●	●		○	○	○	○	○	244

● = main application ○ = possible applications



# Kronenflex® cutting-off wheels 1,6 - 1,9 mm for hand held machines



Cutting-off wheels

Cutting-off wheel

## A 346 EXTRA



Fe-S-Cl  
<0,1%

Class	EXTRA	Applications:
Bond	■ ■ ■ ■ □ □ □ □	Aluminium ●
Aggression	■ ■ ■ ■ □ □ □ □	Stainless steel ●
Service life	■ ■ ■ ■ □ □ □ □	Steel ●

**NEW**

**Advantages:** Free of iron, sulphur and chlorine - Universal use on steel and stainless steel (INOX) - Cutting disc made of a calcined, cubic aluminium oxide that is self-sharpening - Minimal burr formation and longer service life - Best suited for cutting thin-walled profiles and pipes

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	340936
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	340938

Cutting-off wheel INOX

## A 646 R SUPRA



Fe-S-Cl  
<0,1%

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

**NEW**

**Advantages:** Free of iron, sulphur and chlorine - Universal use on steel and stainless steel (INOX) - Cutting disk made of self-sharpening, calcined aluminum oxide - Tremendous aggressiveness when used for cutting solid steel materials

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	340947
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	340946
150 x 1,6 x 22,23	—	80 m/s	10200 rpm	25	340945
180 x 1,6 x 22,23	—	80 m/s	8500 rpm	25	340944
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	340943
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	340942

Please observe: Please see Applications Guide on page 224-233, 242.

# Kronenflex® cutting-off wheels 1,6 - 1,9 mm

for hand held machines

Cutting-off wheel INOX

## A 46 TZ SPECIAL



**NEW  
RECIPE**

<b>Class</b>	SPECIAL
<b>Bond</b>	■■■■■■■□
<b>Aggression</b>	■■■■■■■□
<b>Service life</b>	■■■■■■■□

<b>Applications:</b>	
Stainless steel	●
Steel	●

**Advantages:** Free of iron, sulphur and chlorine - Universal use on steel and stainless steel - First choice for professional applications and fast cutting of demanding materials

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 1,6 x 16	—	80 m/s	15300 rpm	25	194071
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	187170
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	235378
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	187171
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	235379
150 x 1,6 x 22,23	—	80 m/s	10200 rpm	25	241472
180 x 1,6 x 22,23	—	80 m/s	8500 rpm	25	221161
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	224084
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	265044

Cutting-off wheel

## A 946 TZ SPECIAL



**NEW**

<b>Class</b>	SPECIAL
<b>Bond</b>	■■■■■■■
<b>Aggression</b>	■■■■■■■
<b>Service life</b>	■■■■■■■

<b>Applications:</b>	
Steel	●
Stainless steel	●
NF metals	○
Castings	○

**Advantages:** Free of iron, sulfur and chlorine - Extra long service life across all applications - For universal use in metal processing - Short cutting times - Low burr formation - Low thermal load - 25 pieces delivered in the Kronenflex® 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
100 x 1,6 x 16	—	80 m/s	15300 rpm	25	339103
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	339109
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	339110
150 x 1,6 x 22,23	—	80 m/s	10200 rpm	25	339111
180 x 1,6 x 22,23	—	80 m/s	8500 rpm	25	339112
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	339113
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	339114

Please observe: Please see Applications Guide on page 224-233, 242.

Wheel flange

## FL 76



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

Diameter in mm	Suitable for	Packing unit/pcs.	Cat. number
76	A 46 TZ + A 646 R + A 946 TZ	1	236130

# 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	●	○	●	○	○	○	○	○	○	○	○	○		247
A 24 R SUPRA	2,5–3,0	●	●	●	○	○	○					○	○		248
A 24 N SUPRA INOX	2,5–3,0	○	●	○	●	●	●	○	○	○	○				249
A 36 R SUPRA INOX	2,0–2,5	○	○	●	●	●	●		○	○	○				249
A 36 TZ SPECIAL INOX	2,0	○	○	●	●	●	●						○		250
A 24 R/36 SPECIAL INOX	2,5–3,0	○	○	●	●	●	●								251
A 24 TZ SPECIAL	2,5–3,0	○		○	●	●	●						○		250
A 46 N SUPRA	2,5–3,0							●	●	●	●	○			251
C 24 EXTRA	2,5–3,0													●	252
C 24 R SUPRA	2,5–3,0												○	●	252

● = main application ○ = possible applications

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



Cutting-off wheel

## A 24 EXTRA



<b>Class</b>	EXTRA
Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

<b>Applications:</b>	
Metals	●

**Advantages:** Proven a million times over - Standard wheel with outstanding price-performance ratio - For universal use in metalworking - Fast cutting off of solid material

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 2,5 x 16		80 m/s	15300 rpm	25	188998
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	242137
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	188461
115 x 3,2 x 22,23		80 m/s	13300 rpm	25	209014
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	242138
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	188463
125 x 3,2 x 22,23		80 m/s	12200 rpm	25	209016
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	235375
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	235374
180 x 2 x 22,23		80 m/s	8500 rpm	25	286455
180 x 3 x 22,23		80 m/s	8500 rpm	25	13490
180 x 3 x 22,23		80 m/s	8500 rpm	25	189000
230 x 2 x 22,23		80 m/s	6600 rpm	25	286456
230 x 3 x 22,23		80 m/s	6600 rpm	25	13492
230 x 3 x 22,23		80 m/s	6600 rpm	25	189002

Please observe: Please see Applications Guide on page 224-233, 246.

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

for hand held machines

Cutting-off wheel

## A 24 R

### SUPRA



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

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 2,5 x 16		80 m/s	15300 rpm	25	13754
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	13297
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	13466
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	13295
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	13738
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	6667
180 x 3 x 22,23		80 m/s	8500 rpm	25	13456
180 x 3 x 22,23		80 m/s	8500 rpm	25	13470
180 x 3,5 x 22,23		80 m/s	8500 rpm	25	13474
230 x 3 x 22,23		80 m/s	6600 rpm	25	13464
230 x 3 x 22,23		80 m/s	6600 rpm	25	13478

Please observe: Please see Applications Guide on page 224-233, 246.



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



Cutting-off wheels

Cutting-off wheel INOX

## A 24 N SUPRA



Class	SUPRA	Applications:
Bond	■ ■ ■ ■ □ □ □ □	Stainless steel ●
Aggression	■ ■ ■ ■ ■ □ □ □	Aluminium ○
Service life	■ ■ ■ ■ ■ □ □ □	

**Advantages:** Special recipe prevents smearing and clogging - High removal rate on stainless steel due to hardened aluminium oxide

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	3020
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	2951
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	235377
180 x 3 x 22,23		80 m/s	8500 rpm	25	13455
180 x 3 x 22,23		80 m/s	8500 rpm	25	13469
230 x 3 x 22,23		80 m/s	6600 rpm	25	13463
230 x 3 x 22,23		80 m/s	6600 rpm	25	13477

Cutting-off wheel INOX

## A 36 R SUPRA



Class	SUPRA	Applications:
Bond	■ ■ ■ ■ □ □ □ □	Stainless steel ●
Aggression	■ ■ ■ ■ ■ □ □ □	
Service life	■ ■ ■ ■ ■ □ □ □	

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2 x 22,23		80 m/s	13300 rpm	25	123208
125 x 2 x 22,23		80 m/s	12200 rpm	25	126849
150 x 2 x 22,23		80 m/s	10200 rpm	25	251752
180 x 2,5 x 22,23		80 m/s	8500 rpm	25	123209
230 x 2,5 x 22,23		80 m/s	6600 rpm	25	123833

Please observe: Please see Applications Guide on page 224-233, 246.

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

for hand held machines

Cutting-off wheel INOX

## A 36 TZ SPECIAL



Class	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
115 x 2 x 22,23		80 m/s	13300 rpm	25	136549
125 x 2 x 22,23		80 m/s	12200 rpm	25	136550
180 x 2 x 22,23		80 m/s	8500 rpm	25	136551
230 x 2 x 22,23		80 m/s	6600 rpm	25	136552

Cutting-off wheel INOX

## A 24 TZ SPECIAL



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

**Advantages:** Optimized 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
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	136554
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	136555
180 x 3 x 22,23		80 m/s	8500 rpm	25	136558
230 x 3 x 22,23		80 m/s	6600 rpm	25	136559

Please observe: Please see Applications Guide on page 224-233, 246.

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



Cutting-off wheel INOX

## A 24 R/36 SPECIAL



<b>Class</b>	SPECIAL
Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ ■ □ □ □

<b>Applications:</b>	
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
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	60534
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	2825
180 x 3 x 22,23		80 m/s	8500 rpm	25	60537
230 x 3 x 22,23		80 m/s	6600 rpm	25	60061

Cutting-off wheel

## A 46 N SUPRA



<b>Class</b>	SUPRA
Bond	■ ■ ■ □ □ □ □ □
Aggression	■ ■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ ■ □ □ □

<b>Applications:</b>	
Aluminium	●

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	170707
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	170708
180 x 3 x 22,23		80 m/s	8500 rpm	25	170709
230 x 3 x 22,23		80 m/s	6600 rpm	25	170710

Please observe: Please see Applications Guide on page 224-233, 246.

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

for hand held machines

Cutting-off wheel

## C 24 EXTRA



<b>Class</b>	EXTRA
<b>Bond</b>	■ ■ ■ ■ □ □ □ □
<b>Aggression</b>	■ ■ ■ ■ □ □ □ □
<b>Service life</b>	■ ■ ■ ■ □ □ □ □

<b>Applications:</b>	
Stone/Concrete	●

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 2,5 x 16		80 m/s	15300 rpm	25	188999
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	242143
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	188462
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	242144
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	188464
180 x 3 x 22,23		80 m/s	8500 rpm	25	13489
180 x 3 x 22,23		80 m/s	8500 rpm	25	189001
230 x 3 x 22,23		80 m/s	6600 rpm	25	13491
230 x 3 x 22,23		80 m/s	6600 rpm	25	189003

Cutting-off wheel

## C 24 R SUPRA



<b>Class</b>	SUPRA
<b>Bond</b>	■ ■ ■ ■ □ □ □ □
<b>Aggression</b>	■ ■ ■ ■ □ □ □ □
<b>Service life</b>	■ ■ ■ ■ □ □ □ □

<b>Applications:</b>	
Stone/Concrete	●
Castings	⦿

**Advantages:** Optimal for all mineral materials due to sharp, coarse SiC grit

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	13465
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	13739
230 x 3 x 22,23		80 m/s	6600 rpm	25	13461
230 x 3 x 22,23		80 m/s	6600 rpm	25	13475

Please observe: Please see Applications Guide on page 224-233, 246.



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A large grid of small dots for taking notes.

# Kronenflex® large cutting-off wheels

## About the product

Klingspor Kronenflex large cutting-off wheels are high performance, robust wheels for special uses with an outer diameter of 300 mm and more.

Their high lateral stability ensures safe operation also in connection with hard cutting applications. The optimised grits and resins are specifically created for the specific application areas. The cutting-off wheels are known for their fast cuts and low thermal material loads, as well as their long service life.

Klingspor Kronenflex large cutting-off wheels uses range from bench cutting to handheld machines, from railway construction to industrial uses on stationary machines. These products are the ideal solution if outstanding performance and a high degree of safety is what is needed.

Type	Thick-ness [mm]	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
A 24 EXTRA	3,5	●	○	●	○	○	○						○				●			257
C 24 EXTRA	3,5												○	●	○		●			257
A 330 EXTRA	2,5	●	○	○	○	○	○									●				261
A 24 R SUPRA	3,0-4,5	●	●	●	○	○	○						○						●	260
A 24 N SUPRA INOX	3,5	○	●	●	●	●	●	○	○	○	○	○							●	260
A 630 N SUPRA	2,5	●	○	○	○	○	○									●				261
A 24 R SPECIAL	3,5-4,0	●	●	●	●	●	●						○				●			258
T 24 AX SPECIAL	3,5-4,0	●	●															●		259
C 24 RA SPECIAL	3,5-4,0												○	●			●			258
A 30 N SPECIAL	2,5-3,5	●	○	○	○	○	○	○	○	○	○	○	○			●				262

● = main application ○ = possible applications



# Kronenflex® large cutting-off wheels

for petrol driven saw / cutter



Cutting-off wheels

Cutting-off wheel

## A 24 EXTRA



<b>Class</b>	EXTRA
Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

<b>Applications:</b>	
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
300 x 3,5 x 20	—	80 m/s	5100 rpm	10	288221
300 x 3,5 x 22,23	—	80 m/s	5100 rpm	10	288222

Cutting-off wheel

## C 24 EXTRA



<b>Class</b>	EXTRA
Bond	■ ■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ □ □ □ □

<b>Applications:</b>	
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
300 x 3,5 x 20	—	80 m/s	5100 rpm	10	288223
300 x 3,5 x 22,23	—	80 m/s	5100 rpm	10	288224

Please observe: Please see Applications Guide on page 224-233, 254-256.

# Kronenflex® large cutting-off wheels

for petrol driven saw / cutter

Cutting-off wheel

## A 24 R SPECIAL



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

**Advantages:** Fast cutting, also of solid material - Optimized combination for use on steel - Can be also used on stainless steel - For use on gas powered 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
300 x 3,5 x 20	—	80 m/s	5100 rpm	10	288245*
300 x 3,5 x 22,23	—	80 m/s	5100 rpm	10	288246
300 x 3,5 x 25,4	—	80 m/s	5100 rpm	10	288247
350 x 4 x 20	—	80 m/s	4400 rpm	10	288248**
350 x 4 x 22,23	—	80 m/s	4400 rpm	10	288249
350 x 4 x 25,4	—	80 m/s	4400 rpm	10	288250

\* May not be used on STIHL cut-off saw TS 410

\*\* May not be used on STIHL cut-off saws TS 420 / TS 500i / TS 700

Cutting-off wheel

## C 24 RA SPECIAL



Class	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
300 x 3,5 x 20	—	80 m/s	5100 rpm	10	288251*
350 x 4 x 20	—	80 m/s	4400 rpm	10	288252**
350 x 4 x 25,4	—	80 m/s	4400 rpm	10	288253

\* May not be used on STIHL cut-off saw TS 410

\*\* May not be used on STIHL cut-off saws TS 420 / TS 500i / TS 700

Please observe: Please see Applications Guide on page 224-233, 254-256.

# Kronenflex® large cutting-off wheels

for petrol driven saw / cutter with clamping device



Cutting-off wheel

## T 24 AX SPECIAL



<b>Class</b>	<i>SPECIAL</i>	<b>Applications:</b>
Bond	■ ■ ■ ■ ■ ■ ■ □	Steel ●
Aggression	■ ■ ■ ■ ■ ■ ■ □	
Service life	■ ■ ■ ■ ■ ■ ■ □	

**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
300 x 3,5 x 22,23	—	100 m/s	6400 rpm	10	314012
350 x 4 x 22,23	—	100 m/s	5500 rpm	10	314013
350 x 4 x 25,4	—	100 m/s	5500 rpm	10	314014
400 x 4 x 25,4	—	100 m/s	4800 rpm	10	314035

Please observe: Please see Applications Guide on page 224-233, 254-256.

# Kronenflex® large cutting-off wheels

for stationary cutting

Cutting-off wheel

## A 24 R SUPRA



**Class** SUPRA

**Bond** ■■■■■□□

**Aggression** ■■■■■□□

**Service life** ■■■■■□□

**Applications:**

Steel ●

Stainless steel ○

Castings ○

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
250 x 3 x 32	—	100 m/s	7600 rpm	10	2465
300 x 3 x 22,23	—	100 m/s	6400 rpm	10	71365
300 x 3 x 25,4	—	100 m/s	6400 rpm	10	6793
300 x 3 x 30	—	100 m/s	6400 rpm	10	13524
300 x 3 x 32	—	100 m/s	6400 rpm	10	6807
350 x 3,5 x 25,4	—	100 m/s	5500 rpm	10	13528
350 x 3,5 x 32	—	100 m/s	5500 rpm	10	13536
400 x 4,5 x 25,4	—	100 m/s	4800 rpm	10	292933
400 x 4,5 x 32	—	100 m/s	4800 rpm	10	292932
400 x 4,5 x 40	—	100 m/s	4800 rpm	10	296567

Cutting-off wheel INOX

## A 24 N SUPRA



**Class** SUPRA

**Bond** ■■■□□□□

**Aggression** ■■■■■□□

**Service life** ■■■■■□□

**Applications:**

Stainless steel ●

Steel ○

Aluminium ○

**Advantages:** Hardened aluminium oxide - Special combination prevents smearing and clogging - Optimal for stationary 3 - 5 kW cutting-off machines

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
350 x 3,5 x 25,4	—	100 m/s	5500 rpm	10	13527

Please observe: Please see Applications Guide on page 224-233, 254-256.

# Kronenflex® large cutting-off wheels

for chop saws



Cutting-off wheels

Cutting-off wheel

## A 330 EXTRA



Class	EXTRA
Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications:	
Steel	●
Stainless steel	⓪
Aluminium	⓪
Castings	⓪

**NEW**

**Advantages:** More stability during cutting - Good cutting speed with a long service life - Recommended for various materials and different profiles - Usable on transportable chop saw < 3 KW engine power

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
350 x 2,5 x 25,4	—	80 m/s	4400 rpm	10	339069

Cutting-off wheel

## A 630 N SUPRA



Class	SUPRA
Bond	■ ■ ■ ■ ■ □ □
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

Applications:	
Steel	●
Stainless steel	⓪
Aluminium	⓪
Castings	⓪

**NEW**

**Advantages:** Aggressive model with an outstanding service life - An exceptional choice for 110 volt machines and the cutting of solid material - Bond optimized for universal use - Low thermal load - Minimum burr formation

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
350 x 2,5 x 25,4	—	80 m/s	4400 rpm	10	339070

Please observe: Please see Applications Guide on page 224-233, 254-256.

# Kronenflex® large cutting-off wheels

for chop saws

Cutting-off wheel

## A 30 N SPECIAL



Class	SPECIAL
Bond	■ ■ ■ □ □ □ □
Aggression	■ ■ ■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ □ □ □ □

Applications:	
Steel	●
Stainless steel	○
Aluminium	○
Castings	○

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
300 x 2,5 x 25,4	—	80 m/s	5100 rpm	10	119627
350 x 3 x 25,4	—	80 m/s	4400 rpm	10	119628
400 x 3,5 x 25,4	—	80 m/s	3800 rpm	10	119629

Please observe: Please see Applications Guide on page 224-233, 254-256.





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A large grid of small dots for taking notes.





# Kronenflex® grinding discs

## About the product

Kronenflex® grinding discs are characterised by their permanent high level of attack and maximum stock removal. The optimum relationship between performance and service life is guaranteed up to the complete use of the disc.

Kronenflex® grinding discs are used in all major surface grinding applications, as well as for edge bevelling and burr removal. Klingspor offers professional advice in selecting the right grinding disc for your application.

From general metalworking to material-related applications in steel, stainless steel and NF metals, to the more specialised requirements of the nuclear industry, Klingspor has the products you need. Discs for stone grinding and cup grinding wheels round off our programme.

Our engineers are standing by to help you, should you have specific problems or technical questions. You may take advantage of our technical consulting services whether at Klingspor or directly on site.

## Practical tips

The rule of thumb also applies to grinding discs: the harder the material, the softer the bond of the grinding disc.

In addition, the application plays a very decisive role.

Corners and burrs have very sharp edges and easily tear the grit out of the bond. We recommend the use of a hard bond.

If on the other hand one is working on surfaces i.e. small welded seams, a disc that is too hard would easily become dull and no longer grip the material. The disc would achieve a good service life, but this would result in a low stock removal rate and high work costs.

For finish grinding the best disc bond is a medium or soft disc bond.

Grinding discs

Type	Thickness [mm]	Material applications													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	
A 24 EXTRA	6,0–8,0	●	○	○	○	○	○					○	○		266
A 24 EXTRA T	6,0–8,0	●	○	○	○	○	○						○		266
A 24 R SUPRA	4,0–10	●	●	●	○	○	○						○		267
A 24 R/01 SPECIAL	4,0	●	●	●	○	○	○								267
A 24 N SUPRA INOX	6,0–8,0	○	●	○	●	●	●								268
A 24 R/36 SPECIAL	6,0	○	○	○	●	●	●								268
A 46 N SUPRA	6,0–8,0							●	○	○	○	○			269
A 46 VZ SPECIAL	2,0	○	○	●	●	●	●					○			269
A 546 AC ACCU	2,0	○	○	●	●	●	●					○			270
A 624 T SUPRA	6,0	●	●	●	●	○	○					○	●		270
A 24 TX SPECIAL	6	○	○	○	○	○	○						●		271
C 24 R SUPRA	6												○	●	271
A 16 R SUPRA	55	●											○		272
A 30 R SUPRA	55	●													272
C 16 R SUPRA	55												○	●	273
C 30 R SUPRA	55												○	●	273

● = main application ○ = possible applications

# Kronenflex® grinding discs

for hand held machines

Grinding disc

## A 24 EXTRA



<b>Class</b>	EXTRA
<b>Bond</b>	■ ■ ■ ■ □ □ □ □
<b>Aggression</b>	■ ■ ■ ■ □ □ □ □
<b>Service life</b>	■ ■ ■ ■ □ □ □ □

<b>Applications:</b>	
Metals	●

**Advantages:** Standard disc with excellent price-performance ratio - For universal use in metal-working - Excellent results on all standard angle grinders

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
100 x 6 x 16		80 m/s	15300 rpm	10	189004
115 x 6 x 22,23		80 m/s	13300 rpm	10	188465
125 x 6 x 22,23		80 m/s	12200 rpm	10	188466
150 x 6 x 22,23		80 m/s	10200 rpm	10	235371
180 x 6 x 22,23		80 m/s	8500 rpm	10	13444
180 x 8 x 22,23		80 m/s	8500 rpm	10	13446
230 x 6 x 22,23		80 m/s	6600 rpm	10	13447
230 x 8 x 22,23		80 m/s	6600 rpm	10	13448

Grinding disc

## A 24 EXTRA T



<b>Class</b>	EXTRA
<b>Bond</b>	■ ■ ■ ■ ■ □ □ □
<b>Aggression</b>	■ ■ ■ □ □ □ □ □
<b>Service life</b>	■ ■ ■ ■ ■ □ □ □

<b>Applications:</b>	
Metals	●

**Advantages:** Extra hard grinding disc - Optimal for edge work and for removal of stubborn burrs

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
180 x 6 x 22,23		80 m/s	8500 rpm	10	13794
180 x 8 x 22,23		80 m/s	8500 rpm	10	13445

Please observe: Please see Applications Guide on page 224-233, 264-265.















Grinding disc

# A 24 R SUPRA



Class	SUPRA	Applications:
Bond	■ ■ ■ ■ □ □ □ □	Steel ●
Aggression	■ ■ ■ ■ ■ □ □ □	Stainless steel ①
Service life	■ ■ ■ ■ ■ □ □ □	Castings ①

**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
100 x 4 x 16		80 m/s	15300 rpm	10	13400
100 x 6 x 16		80 m/s	15300 rpm	10	6578
115 x 4 x 22,23		80 m/s	13300 rpm	10	13746
115 x 6 x 22,23		80 m/s	13300 rpm	10	13401
125 x 4 x 22,23		80 m/s	12200 rpm	10	240831
125 x 6 x 22,23		80 m/s	12200 rpm	10	13402
150 x 6 x 22,23		80 m/s	10200 rpm	10	13403
180 x 10 x 22,23		80 m/s	8500 rpm	10	13423
180 x 4 x 22,23		80 m/s	8500 rpm	10	13408
180 x 7 x 22,23		80 m/s	8500 rpm	10	13413
180 x 8 x 22,23		80 m/s	8500 rpm	10	13418
230 x 4 x 22,23		80 m/s	6600 rpm	10	13428
230 x 6 x 22,23		80 m/s	6600 rpm	10	13433
230 x 8 x 22,23		80 m/s	6600 rpm	10	13438



Grinding disc

# A 24 R/01 SPECIAL



Class	SPECIAL	Applications:
Bond	■ ■ ■ ■ □ □ □ □	Steel ●
Aggression	■ ■ ■ ■ ■ □ □ □	Stainless steel ①
Service life	■ ■ ■ □ □ □ □ □	

**Advantages:** Special disc for pipeline and tank construction - Suitable for root seams - For repair of weld seams

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
125 x 4 x 22,23		80 m/s	12200 rpm	10	130825
180 x 4 x 22,23		80 m/s	8500 rpm	10	13756

Please observe: Please see Applications Guide on page 224-233, 264-265.



# Kronenflex® grinding discs

for hand held machines

Grinding disc INOX

## A 24 N SUPRA



<b>Class</b>	SUPRA
<b>Bond</b>	■ ■ ■ ■ □ □ □ □
<b>Aggression</b>	■ ■ ■ ■ ■ □ □ □
<b>Service life</b>	■ ■ ■ ■ □ □ □ □

<b>Applications:</b>	
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
115 x 6 x 22,23		80 m/s	13300 rpm	10	2923
125 x 6 x 22,23		80 m/s	12200 rpm	10	2922
180 x 4 x 22,23		80 m/s	8500 rpm	10	13407
180 x 6 x 22,23		80 m/s	8500 rpm	10	13412
180 x 8 x 22,23		80 m/s	8500 rpm	10	13417
230 x 6 x 22,23		80 m/s	6600 rpm	10	13432

Grinding disc

## A 24 R/36 SPECIAL



<b>Class</b>	SPECIAL
<b>Bond</b>	■ ■ ■ ■ □ □ □ □
<b>Aggression</b>	■ ■ ■ ■ ■ □ □ □
<b>Service life</b>	■ ■ ■ ■ □ □ □ □

<b>Applications:</b>	
Stainless steel	●

**Advantages:** Special wheel for the nuclear industry - Free of iron, sulfur and chlorine - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 6 x 22,23		80 m/s	13300 rpm	10	2488
125 x 6 x 22,23		80 m/s	12200 rpm	10	2830
180 x 6 x 22,23		80 m/s	8500 rpm	10	2463

Please observe: Please see Applications Guide on page 224-233, 264-265.







Grinding disc

## A 46 N SUPRA



Class	SUPRA	Applications:
Bond	■ ■ ■ ■ □ □ □ □	Aluminium ●
Aggression	■ ■ ■ ■ ■ □ □ □	NF metals ①
Service life	■ ■ ■ ■ □ □ □ □	

**Advantages:** No clogging when used on non-ferrous metals - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 6 x 22,23		80 m/s	13300 rpm	10	6622
125 x 6 x 22,23		80 m/s	12200 rpm	10	2226
180 x 6 x 22,23		80 m/s	8500 rpm	10	13410
180 x 8 x 22,23		80 m/s	8500 rpm	10	13415



Thin cutting-off wheel & grinding disc

## A 46 VZ SPECIAL



Class	SPECIAL	Applications:
Bond	■ ■ ■ ■ ■ □	Stainless steel ●
Aggression	■ ■ ■ ■ ■ □	Steel ●
Service life	■ ■ ■ ■ ■ □	NF metals ①

**Advantages:** Long service life - Multi-purpose: cutting off and light rough grinding with one wheel - High aggressiveness in cutting - No change of wheel necessary

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2 x 22,23		80 m/s	13300 rpm	25	298176
125 x 2 x 22,23		80 m/s	12200 rpm	25	298177

Please observe: Please see Applications Guide on page 224-233, 264-265.

# Kronenflex® grinding discs

for hand held machines

Thin cutting-off wheel & grinding disc

## A 546 AC

ACCU



Class	ACCU	Applications:
Bond	■ ■ ■ ■ ■ ■ □ □	Stainless steel ●
Aggression	■ ■ ■ ■ ■ ■ □ □	Steel ●
Service life	■ ■ ■ ■ ■ ■ □ □	NF metals ●

**Advantages:** Combination disc - Cutting and light grinding applications without disc change - Optimized aggressiveness for all battery-powered angle grinders

ACCU

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 2 x 22,23		80 m/s	13300 rpm	25	331283
125 x 2 x 22,23		80 m/s	12200 rpm	25	331284

Grinding disc

## A 624 T

SUPRA



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

**Advantages:** Special recipe for use on various materials - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
115 x 6 x 22,23		80 m/s	13300 rpm	10	325215
125 x 6 x 22,23		80 m/s	12200 rpm	10	325216
180 x 6 x 22,23		80 m/s	8500 rpm	10	325217
230 x 6 x 22,23		80 m/s	6600 rpm	10	325218

Please observe: Please see Applications Guide on page 224-233, 264-265.



Grinding disc

# A 24 TX SPECIAL



Class	SPECIAL	Applications:
Bond	■ ■ ■ ■ ■ ■ ■ □	Castings ●
Aggression	■ ■ ■ □ □ □ □ □	Stainless steel ①
Service life	■ ■ ■ ■ ■ □ □ □	Steel ①

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
125 x 6 x 22,23		80 m/s	12200 rpm	10	231251
230 x 6 x 22,23		80 m/s	6600 rpm	10	231254




Grinding disc

# C 24 R SUPRA



Class	SUPRA	Applications:
Bond	■ ■ ■ □ □ □ □ □	Stone/Concrete ●
Aggression	■ ■ ■ ■ □ □ □ □	Castings ①
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
115 x 6 x 22,23		80 m/s	13300 rpm	10	6664
125 x 6 x 22,23		80 m/s	12200 rpm	10	6665
180 x 6 x 22,23		80 m/s	8500 rpm	10	13409

Please observe: Please see Applications Guide on page 224-233, 264-265.

# Kronenflex® cup grinding wheels

for hand held machines

Cup grinding wheel

## A 16 R SUPRA



<b>Class</b>	SUPRA		<b>Applications:</b>
Bond	■ ■ ■ ■ □ □ □ □	Steel	●
Aggression	■ ■ ■ ■ □ □ □ □	Castings	○
Service life	■ ■ ■ ■ □ □ □ □		

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

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
110 x 55 x 22,23		50 m/s	8600 rpm	6	13729

Cup grinding wheel

## A 30 R SUPRA



<b>Class</b>	SUPRA		<b>Applications:</b>
Bond	■ ■ ■ ■ □ □ □ □	Steel	●
Aggression	■ ■ ■ ■ □ □ □ □		
Service life	■ ■ ■ ■ □ □ □ □		

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

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
110 x 55 x 22,23		50 m/s	8600 rpm	6	13728

**Please observe: Use only on angle grinders with cup grinding wheel guard!**

**Please see Applications Guide on page 224-233, 264-265.**

# Kronenflex® cup grinding wheels

for hand held machines



Cup grinding wheel

## C 16 R SUPRA



<b>Class</b>	SUPRA		<b>Applications:</b>
Bond	■ ■ ■ ■ □ □ □ □	Stone/Concrete	●
Aggression	■ ■ ■ ■ □ □ □ □	Castings	ⓘ
Service life	■ ■ ■ □ □ □ □ □		

**Advantages:** For use on surfaces and edges - For stone and mineral materials - Optimized aggressiveness due to sharp, coarse SiC grain

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
110 x 55 x 22,23		50 m/s	8600 rpm	6	13727

Cup grinding wheel

## C 30 R SUPRA



<b>Class</b>	SUPRA		<b>Applications:</b>
Bond	■ ■ ■ ■ □ □ □ □	Stone/Concrete	●
Aggression	■ ■ ■ ■ □ □ □ □	Castings	ⓘ
Service life	■ ■ ■ □ □ □ □ □		

**Advantages:** For use on surfaces and edges - Ideal for stone and mineral materials due to sharp, coarse SiC grain

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
110 x 55 x 22,23		50 m/s	8600 rpm	6	13726

**Please observe: Use only on angle grinders with cup grinding wheel guard!**  
Please see Applications Guide on page 224-233, 264-265.







# 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	<b>SPECIAL</b>	<b>SUPRA</b>	<b>EXTRA</b>	Page	
Diamond cutting blades Ø 100 - 230 mm	Angle grinder	Universal	<i>DT 900 U</i>	<i>DT 600 U</i>	<i>DT 300 U</i>	280-284	
			<i>DT 900 UD</i>	<i>DT 612 UT</i>	<i>DT 350 U</i>		
			<i>DT 900 UT</i>		<i>DT 300 UT</i>		
		Concrete	<i>DT 900 B</i>			<i>DT 310 UT</i>	285
			<i>DT 900 K</i>			<i>DT 500 AC</i>	285
		Lime sandstone, screed and abrasive materials			<i>DT 600 AS</i>		286
		Granite	<i>DT 900 G</i>		<i>DT 600 G</i>		286-287
					<i>DT 600 GU</i>		
Tiles	<i>DT 900 FL</i>		<i>DT 600 F</i>	<i>DT 300 F</i>	288-290		
	<i>DT 900 FT</i>						
Mortar rake				<i>DN 600 U</i>	290		
Cup grinding wheels	Angle grinder	Concrete		<i>DS 600 B</i>	<i>DS 300 B</i>	291-292	
				<i>DS 600 S</i>			
		Lime sandstone, screed and abrasive materials		<i>DS 600 A</i>		292	
		Granite		<i>DS 600 GC</i>		293-294	
				<i>DS 600 GM</i>			
Adapter M14				<i>DZ 114</i>	294		
Diamond cutting blades Ø 250 - 500 mm	Petrol powered cutter, Table saw, Joint cutter	Universal	<i>DT 900 U</i>	<i>DT 600 U</i>	<i>DT 300 U</i>	295-299	
			<i>DT 900 US</i>	<i>DT 612 UT</i>	<i>DT 310 UT</i>		
		Tiles	<i>DT 900 FL</i>	<i>DT 600 F</i>	<i>DT 300 F</i>	299-300	
		Clinker	<i>DT 900 K</i>			301	
		Refractory brick	<i>DT 900 R</i>			301	
		Asphalt	<i>DT 902 A</i>	<i>DT 602 A</i>	<i>DT 350 A</i>	302-304	
			<i>DT 910 A</i>	<i>DT 612 A</i>			
		Asphalt / concrete		<i>DT 612 AB</i>	<i>DT 350 AB</i>	305	
		Green concrete	<i>DT 910 BF</i>			306	
		Concrete	<i>DT 900 B</i>	<i>DT 602 B</i>		306-308	
<i>DT 902 B</i>							
<i>DT 910 B</i>							
Reduction rings				<i>DZ 100 RR</i>	308		
Drill bits	Drill stand	Concrete	<i>DR 912 B</i>	<i>DK 612 B</i>		309-311	
				<i>DK 654 B</i>			
	Percussion drill	Individual segments, ring segments	<i>DO 900 B</i>	<i>DE 600 B</i>		312	
		Concrete		<i>DD 600 U</i>		313	
	Drilling machine	Adapter kit			<i>ADS 200</i>	313	
		Tiles		<i>DB 600 F</i>		314	
	Angle grinder	Tiles		<i>DK 600 F</i>		315, 316	
Hole starting aid				<i>ABH 80</i>	316		

# 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. number
2. Product group / type
3. Applications
4. Safety pictograms
5. Max. operating speed
6. Klingspor logo



7. Information about the manufacturer
8. Safety standard
9. Dimensions in mm and inches
10. Max. RPM
11. Rotational direction

## Colour coding system of the Klingspor® diamond tools



**Asphalt**

Black



**Tiles**

Green



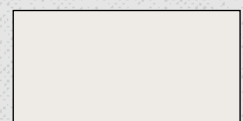
**Stone/Fireproof**

Blue



**Concrete**

Red



**Universal**

White

# Diamond tools

## Applications guide



1.

### Standard gullet

- ▶ rapid feed rate
- ▶ exceptional cutting properties



2.

### Turbo continuous rim

- ▶ exceptionally smooth operation
- ▶ clean cutting edges



3.

### Continuous rim

- ▶ clean cutting edges
- ▶ work with superior precision
- ▶ short cutting times



4.

### Turbo segments

- ▶ exceptionally smooth operation
- ▶ clean cutting edges
- ▶ fast cutting speed
- ▶ long service life



5.

### Short segments

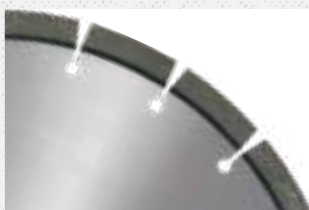
- ▶ first-rate cutting performance
- ▶ clean cutting edges



6.

### Wide gullet

- ▶ high feed rate



7.

### Narrow gullet

- ▶ clean cut
- ▶ exceptionally smooth operation thanks to narrow segment spacings



8.

### Hammer segments

- ▶ prevent rear grinding
- ▶ prevent segments tearing off
- ▶ optimal protection thanks to segments soldered in



9.

### Continuous rim with special geometry

- ▶ for extra clean cutting edges
- ▶ soft and comfortable cutting performance



10.

### Continuous rim with laser-cut slots

- ▶ for fine and clean cutting edges
- ▶ specially designed for ceramic and fine stoneware

## Number of revolutions

Diamond tools made by Klingspor are high performance products and have been engineered to reach their highest level of performance at a level immediately below their maximum peripheral surface speeds. The maximum permissible values for motor speed and operating speed are indicated on every diamond blade. The table

below contains all permissible maximum speeds as a function of the diameter and the maximum permissible operating speed of the diamond tools.

		Maximum operating speed [m/s]									
		30	35	40	45	50	55	60	70	80	100
Ø [mm]	200	2865	3342	3820	4297	4775	5252	5730	6685	7640	
	230	2491	2906	3322	3737	4152	4567	4982	5813	6643	
	250	2292	2674	3056	3438	3820	4202	4584	5348	6112	
	300	1910	2228	2547	2865	3183	3502	3820	4456	5093	6360
	350	1637	1910	2183	2456	2728	3001	3274	3820	4366	5450
	400	1432	1671	1910	2149	2387	2626	2865	3342	3820	4770
	450	1273	1485	1698	1910	2122	2334	2547	2971	3395	4240
	500	1146	1337	1528	1719	1910	2101	2292	2674	3056	3810
	550	1042	1215	1389	1563	1736	1910	2084	2431	2778	
	600	955	1114	1273	1432	1592	1751	1910	2228	2547	

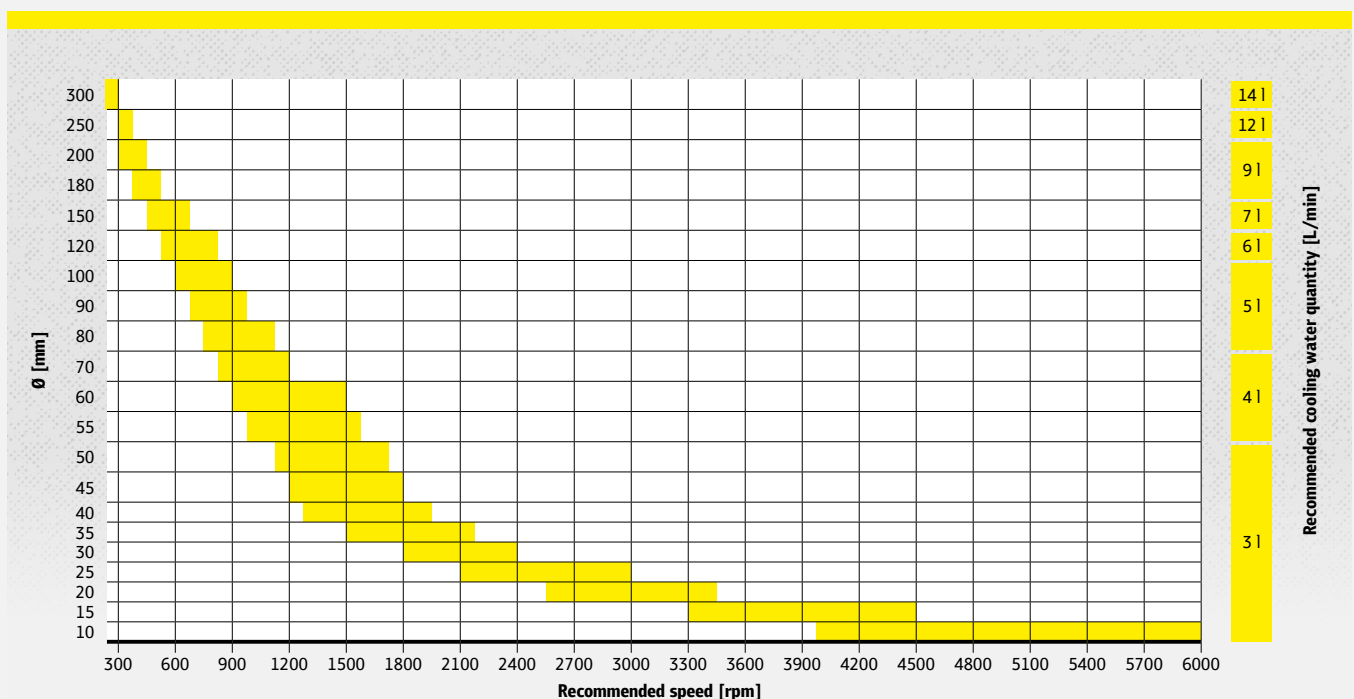
## Motor speeds and cooling water quantity

### The recommended speed range

The chart illustrates the ideal speed range for drill bits as a function of the diameter and the maximum permissible operating speed.

### Recommended cooling water quantity

Drill bits require cooling with water regardless of the material on which they are used. Refer to the right side of the table for the recommended quantity of cooling water.



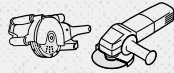


# Diamond cutting blades for angle grinders

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	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	8 / 37,3 / 1,6 / 7	1	325345
125 x 22,23	80 m/s	12200 rpm	9 / 36,4 / 1,6 / 7	1	325346
180 x 22,23	80 m/s	8500 rpm	13 / 38,1 / 2 / 7	1	325347
230 x 22,23	80 m/s	6600 rpm	16 / 40,2 / 2,3 / 7	1	325348

Universal

Diamond cutting blade

## DT 350 U EXTRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■ ■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ ■ □ □ □

### Applications:

Construction materials	●
Concrete, universal	●

**Advantages:** Product with laser-welded standard segments for universal use on general construction material - Smooth, fast and low-vibration cutting with unmatched service life - Optimum price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	336214
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	336215
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 10	1	336216
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	336219

Please observe: Please see Applications Guide on page 274-278.



# 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	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
100 x 16	80 m/s	15300 rpm	11 / 20 / 2,4 / 9	1	325025
115 x 22,23	80 m/s	13300 rpm	13 / 20 / 2,4 / 9	1	322630
125 x 22,23	80 m/s	12200 rpm	15 / 20 / 2,4 / 9	1	322631
140 x 22,23	80 m/s	11000 rpm	17 / 20 / 2,4 / 9	1	325046
150 x 22,23	80 m/s	10200 rpm	18 / 20 / 2,4 / 9	1	322632
180 x 22,23	80 m/s	8500 rpm	22 / 20 / 2,6 / 9	1	322633
230 x 22,23	80 m/s	6600 rpm	30 / 20 / 2,6 / 9	1	322634

Universal

Diamond cutting blade

## DT 612 UT SUPRA



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □



### Applications:

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●



• Turbo segments  
• 12 mm high segments

**Advantages:** Special turbo segments for an extremely high cutting speed on almost all hard materials - Excellent service life even on reinforced concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	334044
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	334045
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	334046
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	334047

Please observe: Please see Applications Guide on page 274-278.

Diamond tools

# Diamond cutting blades for angle grinders

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	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	325206
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	325209
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	325028
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325045

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
- Detenso core

**Advantages:** Ultra fast cutting speed thanks to specially designed turbo segments - Low vibration detenso core for efficient noise reduction - Extended service life thanks to titanium-coated diamonds, suitable for use on almost any hard material

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325210

Please observe: Please see Applications Guide on page 274-278.

Universal

Diamond cutting blade

## DT 300 UT EXTRA



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ □ □ □ □ □



### Applications:

Construction materials	●
Concrete, universal	●
Roof tiles	●

**Advantages:** Suitable for a various range of applications - Excellent cutting performance - Great price-performance ratio - Turbo segments for clean and nick-free edges - Ideal for roofers

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 1,9 / 7	1	330625
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,9 / 7	1	325353
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,9 / 7	1	325354
180 x 22,23	80 m/s	8500 rpm	CR / CR / 2,2 / 7	1	325355
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 7	1	325356

Universal

Diamond cutting blade

## DT 310 UT EXTRA



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ □ □ □ □ □



### Applications:

Construction materials	●
Concrete, universal	●
Roof tiles	●



• 10 mm high segments

**Advantages:** All-purpose - Excellent cutting performance, great price-performance ratio - Turbo segments for clean and nick-free edges - Ideal for roofers - For cutting clay and roof tiles

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 2 / 10	1	334087
115 x 22,23	80 m/s	13300 rpm	CR / CR / 2 / 10	1	334088
125 x 22,23	80 m/s	12200 rpm	CR / CR / 2 / 10	1	334089
180 x 22,23	80 m/s	8500 rpm	CR / CR / 2,5 / 10	1	334090
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 10	1	334091

Please observe: Please see Applications Guide on page 274-278.

# Diamond cutting blades for angle grinders

Universal

Diamond cutting blade

## DT 500 AC ACCU



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ □ □ □



### Applications:

Construction materials	●
Concrete, universal	●

ACCU

**Advantages:** All-rounder with turbo segments for clean and nick-free edges - Optimized cutting performance for all battery-powered angle grinders

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,9 / 7	1	331229
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,9 / 7	1	331230

Universal

Diamond cutting blade

## DT 900 UT SPECIAL



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ □ □ □



### Applications:

Concrete, universal	●
Construction materials	●
Roof tiles	●



• 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	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 2,2 / 10	1	330626
115 x 22,23	80 m/s	13300 rpm	CR / CR / 2,2 / 10	1	325364
125 x 22,23	80 m/s	12200 rpm	CR / CR / 2,2 / 10	1	325365
180 x 22,23	80 m/s	8500 rpm	CR / CR / 2,5 / 10	1	325366
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 10	1	325367

Please observe: Please see Applications Guide on page 274-278.



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	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	325205
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	325208
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	325027
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325034

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 and clean cutting edges - Particularly well suited for clinker of all degrees of hardness

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	325204
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	325207
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	325026
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325033

Diamond tools

# Diamond cutting blades for angle grinders

Chalky sandstone

Diamond cutting blade

## DT 600 AS SUPRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ ■ ■ ■ ■



### Applications:

Chalky sandstone	●
------------------	---

**Advantages:** The use of hard segments lets the blade achieve an outstanding service life - Perfectly suited for sandstone, chalky sandstone and abrasive materials

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm			Packing unit/pcs.	Cat. number
			Number	Length	Width / Height		
115 x 22,23	80 m/s	13300 rpm	8	33 / 2,5	12	1	334039
125 x 22,23	80 m/s	12200 rpm	9	33 / 2,5	12	1	334040
150 x 22,23	80 m/s	10200 rpm	11	33 / 2,5	12	1	336180
180 x 22,23	80 m/s	8500 rpm	11	42 / 2,7	12	1	334041
230 x 22,23	80 m/s	6600 rpm	15	42 / 2,7	12	1	334042

Granite

Diamond cutting blade

## DT 600 G SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■ ■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □ □



### Applications:

Granite	●
Terrazzo	●



• Short segments

**Advantages:** High stock removal rate - Excellent service life - Clean cutting - Great price-performance ratio - Suitable for all types of granite

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm			Packing unit/pcs.	Cat. number
			Number	Length	Width / Height		
115 x 22,23	80 m/s	13300 rpm	13	20 / 2,4	9	1	325030
125 x 22,23	80 m/s	12200 rpm	15	20 / 2,4	9	1	325032
180 x 22,23	80 m/s	8500 rpm	22	20 / 2,6	9	1	325096
230 x 22,23	80 m/s	6600 rpm	30	20 / 2,6	9	1	325162

Please observe: Please see Applications Guide on page 274-278.



# Diamond cutting blades for angle grinders



Granite

Diamond cutting blade

## DT 600 GU SUPRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications:

Granite	●
Terrazzo	●

**Advantages:** High stock removal rate - Excellent service life - Clean cutting - Great price-performance ratio - Suitable for all types of granite

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	336614
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	336615
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 10	1	336616
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	336617

Granite

Diamond cutting blade

## DT 900 G SPECIAL



- Conical segments
- Detenso core

### Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■
Service life	■■■■■■■

### Applications:

Granite	●
Porphyry, quartzite	●
Terrazzo	●

**Advantages:** Outstanding cutting properties thanks to particularly narrow spacing of the tapered segments - Low vibration detenso 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	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
115 x 22,23	80 m/s	13300 rpm	12 / 28 / 2,5 / 12	1	325029
125 x 22,23	80 m/s	12200 rpm	13 / 28 / 2,5 / 12	1	325031
180 x 22,23	80 m/s	8500 rpm	18 / 28 / 2,8 / 12	1	325049
230 x 22,23	80 m/s	6600 rpm	24 / 28 / 2,8 / 12	1	325115

Please observe: Please see Applications Guide on page 274-278.

Diamond tools

# 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	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 1,6 / 7	1	330623
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,6 / 7	1	325357
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,6 / 7	1	325358
180 x 22,23	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325359
230 x 22,23	80 m/s	6600 rpm	CR / CR / 1,9 / 7	1	325360

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 precision working - Short cutting-off times - Clean edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
100 x 16 / 22,23	80 m/s	15300 rpm	CR / CR / 1,6 / 7	1	330624
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,6 / 7	1	325368
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,6 / 7	1	325369
150 x 22,23	80 m/s	10200 rpm	CR / CR / 1,6 / 7	1	325370
180 x 22,23	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325371
230 x 22,23	80 m/s	6600 rpm	CR / CR / 1,9 / 7	1	325372

Please observe: Please see Applications Guide on page 274-278.

Universal

Diamond cutting blade

## DT 900 US SPECIAL



### Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■■
Service life	■■■■■■■■

### Applications:

Cured concrete, reinforced	●
Concrete, universal	●
Construction materials	●
Chalky sandstone	●
Granite	●



• Low-noise sandwich core

**Advantages:** All-purpose high-performance tool - Extremely high cutting speed - Special segment bond for long service life and clean cuts - Engineered for professional use - Ideally suited for low-noise work environments thanks to sandwich core

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	334062
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	334063
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,2 / 10	1	334064
450 x 25,4	100 m/s	4300 rpm		32 / 40 / 3,6 / 10	1	334065
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	334066

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 - Reduction ring from 30 mm to 25,4 mm included

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
200 x 25,4 / 30	80 m/s	7600 rpm	CR / CR / 1,9 / 7	1	325454

Please observe: Please see Applications Guide on page 274-278.

# Diamond cutting blades for table saws

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 - Reduction ring from 30 mm to 25,4 mm included

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
180 x 25,4 / 30	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325455
200 x 25,4 / 30	80 m/s	7600 rpm	CR / CR / 1,9 / 7	1	325373
250 x 25,4 / 30	80 m/s	6100 rpm	CR / CR / 1,9 / 7	1	325374
300 x 25,4 / 30	100 m/s	6400 rpm	CR / CR / 2 / 7	1	325375
350 x 25,4 / 30	100 m/s	5500 rpm	CR / CR / 2 / 7	1	325376

Tiles

Diamond cutting blade

## DT 900 FL SPECIAL



• Closed edge with laser-cut slots

### Properties

Design	Sintered
Segmentation	Continuous rim, with laser-cut slots
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications:

Wall tiles	●
Floor tiles	●
Porcelain	●
Ceramics	●
Marble	●

**Advantages:** High-precision tool for hard wall and floor tiles - Laser-cut slots for exceptionally smooth operation and perfectly cut edges - Reduction ring from 30 mm to 25,4 mm included

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
180 x 25,4 / 30	100 m/s	10650 rpm	CR / CR / 1,6 / 7	1	331045
200 x 25,4 / 30	100 m/s	9550 rpm	CR / CR / 1,6 / 7	1	331046
230 x 25,4 / 30	100 m/s	8350 rpm	CR / CR / 1,8 / 7	1	331048
250 x 25,4 / 30	100 m/s	7600 rpm	CR / CR / 2 / 7	1	331047
300 x 25,4 / 30	100 m/s	6400 rpm	CR / CR / 2,2 / 7	1	331049
350 x 25,4 / 30	100 m/s	5500 rpm	CR / CR / 2,2 / 7	1	331050

Please observe: Please see Applications Guide on page 274-278.



Clinker

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	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325051
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	325065
300 x 30	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325050
300 x 30	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	325064
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3 / 10	1	325083
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325098
350 x 30	100 m/s	5500 rpm		21 / 40 / 3 / 10	1	325082
350 x 30	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325097

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	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325055
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	325069
300 x 30	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325054
300 x 30	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	325068
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3 / 10	1	325087
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325102
350 x 30	100 m/s	5500 rpm		21 / 40 / 3 / 10	1	325086
350 x 30	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325101
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,2 / 10	1	325119

Continuation →

Please observe: Please see Applications Guide on page 274-278.

# Diamond cutting blades for petrol powered cutters, table saws and joint cutters

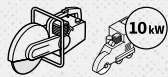
→ Continuation of DT 900 R SPECIAL, Diamond cutting blade

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,2 / 10	1	325143
400 x 30	100 m/s	4800 rpm		24 / 40 / 3,2 / 10	1	325118
400 x 30	100 m/s	4800 rpm		28 / 40 / 3,2 / 10	1	325142
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,6 / 10	1	325135
450 x 25,4	100 m/s	4300 rpm		32 / 40 / 3,6 / 10	1	325178
450 x 30	100 m/s	4300 rpm		26 / 40 / 3,6 / 10	1	325134
450 x 30	100 m/s	4300 rpm		32 / 40 / 3,6 / 10	1	325177
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	325157
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	325166
500 x 30	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	325156
500 x 30	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	325165

Asphalt

Diamond cutting blade

## DT 350 A EXTRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□□
Service life	■■■■□□□□



### Applications:

Asphalt	●
Sandstone	●



• Inclined protective segments

**NEW**

**Advantages:** Diamond cutting blade for general repairs with an outstanding price-performance ratio - Specially engineered for applications on asphalt - Inclined protective segments prevent the premature wearing of the welds which can lead to segment loss on standard blades

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	337731
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	337729
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	337732
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	337730
400 x 20	100 m/s	4800 rpm		24 / 40 / 3,4 / 10	1	337739
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,4 / 10	1	337733
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	337734
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	337735

Please observe: Please see Applications Guide on page 274-278.



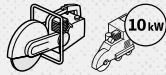
# Diamond cutting blades for petrol powered cutters and joint cutters



Asphalt

Diamond cutting blade

## DT 602 A SUPRA



• Protective segments

### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ □ □ □

### Applications:

Asphalt	●
Sandstone	●

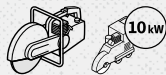
**Advantages:** First-rate cutting performance - Protective segments to guard the blade - Great price-performance ratio - Specially engineered for applications on asphalt - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	327025
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325060
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	327026
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	325092
400 x 20	100 m/s	4800 rpm		24 / 40 / 3,4 / 10	1	327027
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,4 / 10	1	325124
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	325128
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	325171

Asphalt

Diamond cutting blade

## DT 612 A SUPRA



• Protective segments

### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ □ □ □

### Applications:

Asphalt	●
Sandstone	●

**Advantages:** High cutting speed combined with excellent service life - Protective segments to shield the core - Specially designed for applications on asphalt - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	330075
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	330076
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,4 / 10	1	330077
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	330078
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	330079

Please observe: Please see Applications Guide on page 274-278.

Diamond tools

# Diamond cutting blades for petrol powered cutters and joint cutters

Asphalt

Diamond cutting blade

## DT 902 A SPECIAL



• Protective segments

### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■■■■■
Service life	■■■■■■■■□

### Applications:

Asphalt	●
Sandstone	●
Green concrete	●
Screed	●

**Advantages:** High cutting performance - 12 mm high segments - Protective segments to guard the blade

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 12	1	325062
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	325094
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,4 / 12	1	325126
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 12	1	325130
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 12	1	325173

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	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 12	1	325077
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3,2 / 12	1	325110
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,4 / 12	1	325147
450 x 25,4	100 m/s	4300 rpm		30 / 40 / 3,7 / 12	1	325161
500 x 25,4	100 m/s	3900 rpm		35 / 40 / 3,7 / 12	1	325189

Please observe: Please see Applications Guide on page 274-278.

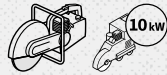
# Diamond cutting blades for petrol powered cutters and joint cutters



Asphalt

Diamond cutting blade

## DT 350 AB EXTRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■ ■ ■ ■ ■ □ □ □
Service life	■ ■ ■ □ □ □ □ □

### Applications:

Asphalt	●
Concrete	●



- NEW**
- Inclined protective segment
  - Turbo segment
  - Block segment

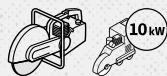
**Advantages:** Multi-purpose product for all repairs on asphalt and concrete thanks to laser-welded block segments, turbo segments and slanted protective segments - Can be used on gasoline-powered cutters and joint cutters with up to 10 kW

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 12	1	340232
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 12	1	340241
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	340236
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	340240
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,4 / 12	1	340239

Asphalt

Diamond cutting blade

## DT 612 AB SUPRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■ ■ ■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ ■ □ □ □

### Applications:

Asphalt	●
Concrete	●



- Protective segments
- Titanium-coated diamonds

**Advantages:** Suitable for asphalt and concrete - Specially engineered for use on both materials - High cutting speed, excellent service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	332344
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	330080
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	332345
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	330081
400 x 20	100 m/s	4800 rpm		24 / 40 / 3,4 / 10	1	332346
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,4 / 10	1	330082
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	330083
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	330084

Please observe: Please see Applications Guide on page 274-278.

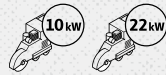
Diamond tools

# Diamond cutting blades for joint cutters

Concrete

Diamond cutting blade

## DT 910 BF SPECIAL



### Properties

Design	Laser welded
Segmentation	with protective segments
Aggression	■■■■■■■□
Service life	■■■■■■■□

### Applications:

Green concrete	●
----------------	---

**Advantages:** Smooth and easy cutting performance - 12 mm tall segments - Protective segments shield the core - Unsurpassed service life thanks to a high concentration of premium-grade diamonds - Exceptionally well suited for fresh concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 12	1	330085
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3,2 / 12	1	330086
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,4 / 12	1	330087
450 x 25,4	100 m/s	4300 rpm		30 / 40 / 3,7 / 12	1	330088
500 x 25,4	100 m/s	3900 rpm		35 / 40 / 3,7 / 12	1	330089

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	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 9	1	325056
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 9	1	325088
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,4 / 9	1	325120
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,7 / 9	1	325136
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 9	1	325167

Please observe: Please see Applications Guide on page 274-278.



# Diamond cutting blades for petrol powered cutters and joint cutters



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	⓪



- 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	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 20	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	325078
300 x 25,4	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	325079
350 x 20	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	325080
350 x 25,4	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	325081
400 x 20	100 m/s	4800 rpm	26 / 40 / 3,2 / 12	1	325113
400 x 25,4	100 m/s	4800 rpm	26 / 40 / 3,2 / 12	1	325114

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	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 11	1	325058
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 11	1	325090
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,4 / 11	1	325122
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,7 / 11	1	325138
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 11	1	325169

Please observe: Please see Applications Guide on page 274-278.

Diamond tools

# Diamond cutting blades for joint cutters

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	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 11	1	325073
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3,2 / 11	1	325106
400 x 25,4	100 m/s	4800 rpm		28 / 40 / 3,4 / 11	1	325146
450 x 25,4	100 m/s	4300 rpm		32 / 40 / 3,7 / 11	1	325182
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 11	1	325193

Reduction rings

## DZ 100 RR



**Advantages:** Reduction rings with serration for enhanced adhesion

Size in mm	Suitable for	Packing unit/pcs.	Cat. number
2 x 25,4 x 20	DT 300 U (325350)	1	328933
2,5 x 25,4 x 20	DT 602 A + DT 600 U	1	328934
1,2 x 22,23 x 15,88	Bore 22,23 mm	1	337148
1,2 x 22,23 x 20	Bore 22,23 mm	1	337282
2 x 30 x 25,4	Bore 30,00 mm	1	337344

Please observe: Please see Applications Guide on page 274-278.



# Drill bits with R 1/2" connection



Concrete

R 1/2" BSP Male drill bit

## DK 612 B SUPRA



### Properties

Design Laser welded

Segmentation Standard

Aggression ■■■■■■□

Service life ■■■■■■□

### Applications:

Concrete, universal ●

**Advantages:** Drill bits for universal applications - High cutting speed and service life - Can be used on electric drilling machines - For replacement segments, see DE 600 B

Diameter in mm	Thread/Shaft	Effective length in mm	Segment in mm			Packing unit/pcs.	Cat. number
			Number	Length	Width / Height		
52	thread 1/2"	300	5	24	2,5 / 10	1	325720
56	thread 1/2"	300	5	24	2,5 / 10	1	325721
61	thread 1/2"	300	5	24	2,5 / 10	1	325722
71	thread 1/2"	300	7	24	2,5 / 10	1	325724
81	thread 1/2"	300	8	24	2,5 / 10	1	325755
91	thread 1/2"	300	9	24	2,5 / 10	1	325756
101	thread 1/2"	300	9	24	2,5 / 10	1	325757
111	thread 1/2"	300	10	24	2,5 / 10	1	325758
121	thread 1/2"	300	10	24	2,5 / 10	1	325759
130	thread 1/2"	300	10	24	2,5 / 10	1	325761
140	thread 1/2"	300	11	24	2,5 / 10	1	325762
150	thread 1/2"	300	12	24	2,5 / 10	1	325763
160	thread 1/2"	300	12	24	2,5 / 10	1	325764
170	thread 1/2"	300	12	24	2,5 / 10	1	325765
180	thread 1/2"	300	13	24	2,5 / 10	1	325766
200	thread 1/2"	300	15	24	2,5 / 10	1	325768

Please observe: Please see Applications Guide on page 279.

# Drill bits with 1 1/4" UNC connection

Concrete

1 1/4" UNC Female drill bit

## DK 654 B SUPRA



### Properties

Design Laser welded

Segmentation Standard

Aggression

Service life



### Applications:

Concrete, universal



• 1.1 mm high roofshaped segments

**Advantages:** Drill bits for universal applications - Very fast cutting - Long service life - Roof-shaped segments - Can be used on electric and hydraulic machines - For replacement segments, see DE 600 B

Diameter in mm	Thread/Shaft	Effective length in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
52	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325769
56	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325770
61	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325771
62	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325772
66	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325773
72	thread 1 1/4"	450	6 / 24 / 3,5 / 11	1	325774
82	thread 1 1/4"	450	7 / 24 / 3,5 / 11	1	325775
92	thread 1 1/4"	450	8 / 24 / 3,5 / 11	1	325776
102	thread 1 1/4"	450	9 / 24 / 3,5 / 11	1	325777
112	thread 1 1/4"	450	10 / 24 / 3,5 / 11	1	325778
122	thread 1 1/4"	450	10 / 24 / 4 / 11	1	325779
132	thread 1 1/4"	450	10 / 24 / 4 / 11	1	325781
142	thread 1 1/4"	450	11 / 24 / 4 / 11	1	325782
152	thread 1 1/4"	450	12 / 24 / 4 / 11	1	325783
162	thread 1 1/4"	450	13 / 24 / 4 / 11	1	325784
172	thread 1 1/4"	450	13 / 24 / 4 / 11	1	325785
182	thread 1 1/4"	450	14 / 24 / 4 / 11	1	325786
202	thread 1 1/4"	450	15 / 24 / 4,5 / 11	1	325787
225	thread 1 1/4"	450	16 / 24 / 4,5 / 11	1	325788
250	thread 1 1/4"	450	17 / 24 / 4,5 / 11	1	325789
300	thread 1 1/4"	450	22 / 20 / 5 / 11	1	325790

Please observe: Please see Applications Guide on page 279.

# Drill bits with ring segments, R 1/2" connection



Concrete

R 1/2" BSP Male 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 - Suitable for drill stand or handheld drilling

Diameter in mm	Thread/Shaft	Effective length in mm	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number
8	thread 1/2"	300	1 / 2 / 10	1	325791
10	thread 1/2"	300	1 / 2 / 10	1	325792
12	thread 1/2"	300	1 / 2 / 10	1	325793
14	thread 1/2"	300	1 / 2 / 10	1	325794
15	thread 1/2"	300	1 / 2,5 / 10	1	325795
16	thread 1/2"	300	1 / 2,5 / 10	1	325796
18	thread 1/2"	300	1 / 2,5 / 10	1	325797
20	thread 1/2"	300	1 / 2,5 / 10	1	325798
22	thread 1/2"	300	1 / 2,5 / 10	1	325799
24	thread 1/2"	300	1 / 2,5 / 10	1	325800
25	thread 1/2"	300	1 / 2,5 / 10	1	325801
26	thread 1/2"	300	1 / 2,5 / 10	1	325802
28	thread 1/2"	300	1 / 2,5 / 10	1	325803
30	thread 1/2"	300	1 / 2,5 / 10	1	325804
32	thread 1/2"	300	1 / 2,5 / 10	1	325805
35	thread 1/2"	300	1 / 3 / 10	1	325806
40	thread 1/2"	300	1 / 3 / 10	1	325807
42	thread 1/2"	300	1 / 3,5 / 10	1	325808
52	thread 1/2"	300	1 / 3,5 / 10	1	325811

Please observe: Please see Applications Guide on page 279.

Diamond tools

# Drill bit segments for DK 654 and DK 612

## Ring segments for drill bits DR 912 B

Concrete

Individual segment

### DE 600 B SUPRA



#### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□



#### Applications:

Concrete, universal ●



• 11 mm high roofshaped segments

**Advantages:** Single, roof-shaped segments for a fast first cut - Replacement segments for DK 612 B and DK 654 drill bits

Segment length in mm	Suitable for	Segment in mm Length / Width / Height / Radius	Packing unit/pcs.	Cat. number
20	Ø >272	20 / 5 / 11 / G	30	325839
24	Ø 56-62	24 / 3,5 / 11 / 30	30	325833
24	Ø 72-87	24 / 3,5 / 11 / 40	30	325834
24	Ø 92-112	24 / 3,5 / 11 / 50	30	325835
24	Ø 107-142	24 / 4 / 11 / 60	30	325836
24	Ø 142-182	24 / 4 / 11 / 80	30	325837
24	Ø 182-272	24 / 4 / 11 / 100	30	325838

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	Segment in mm Width / Height	Packing unit/pcs.	Cat. number
8	2 / 10	10	325812
10	2 / 10	10	325813
12	2 / 10	10	325814
14	2 / 10	10	325815
15	2,5 / 10	10	325816
16	2,5 / 10	10	325817
18	2,5 / 10	10	325818
20	2,5 / 10	5	325819
22	2,5 / 10	5	325820
24	2,5 / 10	5	325821

Continuation →

Please observe: Please see Applications Guide on page 279.

# Core cutter and adapter kit



→ Continuation of DO 900 B Special, Ring segment

Diameter in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
25	/ 2,5 / 10	5	325822
26	/ 2,5 / 10	5	325823
28	/ 2,5 / 10	5	325824
30	/ 2,5 / 10	3	325825
32	/ 2,5 / 10	3	325826
35	/ 3 / 10	3	325827
40	/ 3 / 10	3	325828
42	/ 3,5 / 10	3	325829
52	/ 3,5 / 10	3	325832

Universal

Core cutter for switch boxes

## DD 600 U SUPRA



### Properties

Design	Laser welded
Edge	Segmented
Aggression	■ ■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ ■ ■ □

### Applications:

Masonry	●
Construction materials	●
Chalky sandstone	●

**Advantages:** For machining soft and medium-hard materials such as brick, clinker and firebrick - Hexagon mounting with center drill bit are separately available (see ADS200)

Diameter in mm	Thread/Shaft	Effective length in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number
68	thread M16	70	3 / 24 / 3,5 / 7	1	325390
82	thread M16	70	4 / 24 / 3,5 / 7	1	325391

Adapter kit

## ADS 200



**Advantages:** SDS / hexagon adapter with 8 mm centre bit for article DD 600 U

Size in mm	Thread/Shaft	Suitable for	Packing unit/pcs.	Cat. number
115	SDS holding device	DD 600 U	1	236588
115	hexagonal	DD 600 U	1	236442

Please observe: Please see Applications Guide on page 279.

Diamond tools

# Diamond drill for stoneware

Tiles

Diamond drill

## DB 600 F SUPRA



### Properties

Design	Vacuum-brazed
Edge	Closed
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications:

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

**Advantages:** Dry cutting drill bit for drilling with pinpoint accuracy on hard materials such as fine stoneware, granite floor tiles and stove tiles - Clean edges - Precise holes - No bursting, cracking, or splintering - Integrated cooling wax - No water required - Excellent price-performance ratio

Diameter in mm	Thread/Shaft	Max. RPM	Effective length in mm	Segment in mm Number / Height	Packing unit/pcs.	Cat. number
6	1/4" bit, hexagonal	3000 rpm	32	1 / 10	1	325382
8	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325527
10	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325383
12	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325384
14	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325528

Tiles

Diamond drill set

## DB 600 F SUPRA Set



### Properties

Design	Vacuum-brazed
Edge	Closed
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications:

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

**Properties:** 7 piece diamond drill set in a Klingspor case

**Contents:** 2x Ø 6 mm (325382), 1x Ø 8 mm (325527), 1x Ø 10 mm (325383), 1x Ø 12 mm (325384), 1x Ø 14 mm (325528), 1x hole starting aid (313807)

**Advantages:** Diamond drill bits and stainless steel centring aids in a convenient and sturdy aluminium case

Size in mm	Max. RPM	Packing unit/pcs.	Cat. number
200 x 140 x 55	3000 rpm	1	331021

Please observe: Please see Applications Guide on page 279.



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	Thread/Shaft	Max. RPM	Effective length in mm	Segment in mm Number / Height	Packing unit/pcs.	Cat. number
6	thread M14	13300 rpm	35	1 / 10	1	330670
8	thread M14	13300 rpm	35	1 / 10	1	330671
10	thread M14	13300 rpm	35	1 / 10	1	330672
12	thread M14	13300 rpm	35	1 / 10	1	330673
14	thread M14	13300 rpm	35	1 / 10	1	330674
20	thread M14	13300 rpm	45	1 / 15	1	330675
22	thread M14	13300 rpm	45	1 / 15	1	330676
25	thread M14	13300 rpm	45	1 / 15	1	330677
26	thread M14	13300 rpm	45	1 / 15	1	325385
30	thread M14	13300 rpm	45	1 / 15	1	330678
35	thread M14	13300 rpm	45	1 / 15	1	330679
38	thread M14	13300 rpm	45	1 / 15	1	325386
40	thread M14	13300 rpm	45	1 / 15	1	330680
45	thread M14	13300 rpm	45	1 / 15	1	330681
50	thread M14	13300 rpm	45	1 / 15	1	330682
58	thread M14	13300 rpm	45	1 / 15	1	325387
65	thread M14	13300 rpm	45	1 / 15	1	325388
68	thread M14	13300 rpm	45	1 / 15	1	330683
70	thread M14	13300 rpm	45	1 / 15	1	325389
82	thread M14	13300 rpm	50	1 / 15	1	330685
112	thread M14	13300 rpm	50	1 / 15	1	330684

# Dry drill bit for stoneware / Accessory

Tiles

Dry drill bit set

## DK 600 F SUPRA Set



### Properties

Design	Vacuum-brazed
Edge	Closed



### Applications:

Stoneware	●
Tiles	●
Stove tiles	●

**Properties:** 6-piece dry drill bit set in a Klingspor case

**Contents:** 2x Ø 6 mm (330670), 2x Ø 8 mm (330671), 1x Ø 10 mm (330672), 1x Ø 12 mm (330673)

**Advantages:** Dry drill bits in a convenient and sturdy aluminium case

Size in mm	Max. RPM	Packing unit/pcs.	Cat. number
110 x 130 x 100	13300 rpm	1	331076

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
55	DB 600 F	1	313807

Please observe: Please see Applications Guide on page 279.

# Notes



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A large grid of small dots for taking notes.



Schlertfix  
Schlertfix  
Schlertfix  
Schlertfix

# Flexible abrasives



## About the product

### R-Flex abrasives

Used for finishing and polishing all kinds of surfaces. Despite their elastic construction, R-Flex abrasives boast a long service life with high dimensional stability throughout their use.

### Mounted points

Available in numerous sizes and grains. They are used for apparatus and container construction, in the aviation and automobile industries, as well as in the food and chemical sectors.

### The Sandflex hand block

Cleans, polishes and matt finishes a large variety of materials including metal, wood, paints, plastics, rubber and paper. In addition to its commercial applications, the Sandflex hand block is also excellent for car care and jobs around the house like cleaning iron soleplates, ski edges etc. Sandflex performs even better when used with water, soap, paraffin oil or pastes. With four different grain sizes to choose from, you will find the right product for all types of materials and jobs.

### R-Flex wheels

Available with silicon carbide or corundum grit in different binding hardnesses and dimensions. Typical applications are deburring plastic parts, giving surgical instruments their final finish, sharpening knives, etc. R-Flex wheels are, due to their elastic attachment, easy to shape and adjust to the contours of the tool during grinding.



Clamping pin of the R-Flex mottling points (with milled plane surface) in the standard version

### Mottling points

Create special surface effects with a uniform, extra fine finish. R-Flex mottling points are used with great success for surface treatment applications in tank and container construction (breweries, wine and champagne producers) and in plant construction for commercial kitchens. They are available with bonding agents E (specially designed for aluminium and NF metals) and the softer, more elastic bonding agents W and T (for stainless steel) – with the T bonding agent creating a glossier finish on stainless steel surfaces and offering suitability for universal use.

From stock, Klingspor mottling points ship with a 6 mm shaft and a milled plane surface, making it possible to fix the tools securely in place inside the machine adapter with a screw. If requested or made necessary by the respective machine, the mottling points can also be supplied as made-to-order items without a flat portion and a full length round shaft.

Description	Type	Material applications											Page	
		Iron	Steel	Stainless steel	NF metals	Wood	Paint / Varnish	Glass / Stone	Plastic	Leather	Paper	Ceramic		Porcelain
R-Flex	<i>RFS 651 bond E</i>			●	●									321
	<i>RFM 652 bond E</i>				●									321
	<i>RFR 654 bond Z/E</i>	●	●	●	●	○	○	○	●			○	○	324
Sandflex	<i>SFM 656 bond W</i>			●										322
	<i>SFM 656 bond T</i>			●										322
	<i>SFK 655 block</i>	●	●	●	●	●	●	●	●	●	●	●	●	323

● = main application ○ = possible application

# Flexible abrasives

## Applications guide

R-Flex points for cleaning and finishing and R-Flex wheels are ideally suited for fine machining surfaces thanks to their elastically embedded grit. Matching any type of possible application, Klingspor offers an extensive range of tools with a large variety of dimensions, grit sizes and three different kinds of bonding agents (hard, medium and soft). The chart below provides an overview of the available versions:



Example of a decorative finish created with an R-Flex mottling point SFM 656 on a stainless steel sheet

### Dimensions R-Flex point RFS 651

Ø [mm]	Possible widths [mm]	Grit size	Minimum order quantities	Requested grit type / grit size
15	15, 20, 25, 30	60, 120, 240	10	from 450 pieces
20	15, 20, 25, 30	60, 120, 240	10	from 450 pieces
25	10, 15, 20, 25, 30	60, 120, 240	10	from 250 pieces
30	10, 15, 20, 25, 30	60, 120, 240	10	from 250 pieces
40	10, 15, 20, 30, 40	60, 120, 240	10	from 160 pieces
50	10, 20, 30, 40	60, 120, 240	10	from 110 pieces
60	30, 40	60, 120, 240	10	from 90 pieces

### Dimensions R-Flex wheel RFR 654

Ø [mm]	Possible widths [mm]	Grit size	Minimum order quantities	Requested grit type / grit size
100	10, 15, 20, 25, 30, 35	60, 120, 240	1	from 15 pieces
125	10, 15, 20, 25, 30, 35	60, 120, 240	1	from 12 pieces
150	10, 15, 20, 25, 30, 35	60, 120, 240	1	from 6 pieces
175	15, 20, 25, 30, 35	60, 120, 240	1	from 6 pieces
200	15, 20, 25, 30, 35	60, 120, 240	1	from 6 pieces

Other grit sizes on request

### Bonding types for RFS 651 mounted points used for cleaning and finishing as well as for R-Flex wheels RFR 654

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

**To ensure safe handling of R-Flex points and R-Flex wheels, observe the general “FEPA safety recommendations for the correct use of grinding tools” and the “FEPA Safety Code for Bonded Abrasives”.**

### Bonding types for mottling point SFM 656

Types of bonding	Hardness	Maximum operating speed
W elastic, hard wearing, matt finish (ideal for stainless steel)	soft	up to 5 m/s
T elastic, more free cutting, for a glossier finish (ideal for stainless steel)	soft	up to 5 m/s



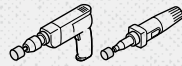
# Flexible abrasives

Mounted points, mottling points



R-Flex mounted points

## RFS 651



### Properties

Bonding agent	Plastic
Grain	SiC

### Applications:

Aluminium	●
Stainless steel	●
NF metals	●

**Advantages:** Versatile mounted points for cleaning and finishing - Soft abrasion due to elastic structure - Can be used until completely worn down

### Available grits:

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

Diameter x Height x Shaft in mm	Grit	Bonding agent	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
40 x 15 x 6	60	E	16 m/s	7600 rpm	10	14006
40 x 15 x 6	120	E	16 m/s	7600 rpm	10	14007
40 x 15 x 6	240	E	16 m/s	7600 rpm	10	14008
50 x 10 x 6	240	E	16 m/s	6100 rpm	10	14012
60 x 30 x 6	60	E	16 m/s	5000 rpm	10	14030
60 x 30 x 6	120	E	16 m/s	5000 rpm	10	14031
60 x 30 x 6	240	E	16 m/s	5000 rpm	10	14032

R-Flex mottling points

## RFM 652



### Properties

Bonding agent	Plastic
Grain	SiC

### Applications:

Aluminium	●
NF metals	●

**Advantages:** Produces a satin surface scratch pattern - Soft abrasion due to elastic structure - Can be used until completely worn down - Available 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
30 x 30 x 6	60	E	8 m/s	5000 rpm	10	14033
30 x 30 x 6	120	E	8 m/s	5000 rpm	10	14034
40 x 30 x 6	120	E	8 m/s	3800 rpm	10	14036
50 x 30 x 6	60	E	8 m/s	3000 rpm	10	14037
50 x 30 x 6	120	E	8 m/s	3000 rpm	10	14038

Please observe: Please see Applications Guide on page 318-320.

# Flexible abrasives

## Mottling points

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										
30 x 30 x 6	60	T		5 m/s		3200 rpm		10		334988																
30 x 30 x 6	60	W		5 m/s		3200 rpm		10		13856																
30 x 30 x 6	120	T		5 m/s		3200 rpm		10		334990																
30 x 30 x 6	120	W		5 m/s		3200 rpm		10		13857																
40 x 30 x 6	60	T		5 m/s		2400 rpm		10		334991																
40 x 30 x 6	60	W		5 m/s		2400 rpm		10		13859																
40 x 30 x 6	120	T		5 m/s		2400 rpm		10		334992																
40 x 30 x 6	120	W		5 m/s		2400 rpm		10		13860																
50 x 30 x 6	60	T		5 m/s		1900 rpm		10		334993																
50 x 30 x 6	60	W		5 m/s		1900 rpm		10		13862																
50 x 30 x 6	120	T		5 m/s		1900 rpm		10		334994																
50 x 30 x 6	120	W		5 m/s		1900 rpm		10		13863																
60 x 30 x 6	60	T		5 m/s		1600 rpm		10		334995																
60 x 30 x 6	60	W		5 m/s		1600 rpm		10		13865																
60 x 30 x 6	120	T		5 m/s		1600 rpm		10		334996																
60 x 30 x 6	120	W		5 m/s		1600 rpm		10		13866																

Please observe: Please see Applications Guide on page 318-320.

# Flexible abrasives

Hand block



Hand block

## SFK 655



### Properties

Bonding agent	Plastic
Grain	SiC

### Applications:

Paint/Varnish	●	Leather	●
Glass/Stone	●	Metals	●
Wood	●		
Plastic	●		

**Advantages:** Universal hand block for cleaning and finishing - Can be used on many materials - Cleaning performance is significantly increased by use of additives - Soft abrasion due to elastic structure - Can be used until completely worn down

### Available grits:

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

Width x Length x Height in mm	Grit	Packing unit/pcs.	Cat. number
80 x 50 x 20	30	18	13800
80 x 50 x 20	60	18	13801
80 x 50 x 20	120	18	13802
80 x 50 x 20	240	18	13803
150 x 80 x 20	30	1	13804
150 x 80 x 20	60	1	13805
150 x 80 x 20	120	1	63231
150 x 80 x 20	240	1	13807

Hand block

## SFK 655 Set



### Properties

Bonding agent	Plastic
Grain	SiC

### Applications:

Paint/Varnish	●	Leather	●
Glass/Stone	●	Metals	●
Wood	●		
Plastic	●		

**Advantages:** Universal hand block for cleaning and finishing - Can be used on many materials - Cleaning performance is significantly increased by use of additives - Soft abrasion due to elastic structure - Can be used until completely worn down

**Contents:** 18 pcs. / 6 pieces in grit 60, 120, 240 each

### Available grits:

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

Width x Length x Height in mm	Packing unit/pcs.	Cat. number
80 x 50 x 20	1	72129

Please observe: Please see Applications Guide on page 318-320.

# Flexible abrasives

R-Flex wheel

R-flex wheel

## RFR 654



### Properties

Bonding agent	Plastic
Grain	Aluminium oxide/SiC

### Applications:

Stainless steel	●	Plastic	●
Steel	●	Glass	⓪
NF metals	●		
Aluminium	●		

**Advantages:** Versatile abrasive wheel - Deburring, matt finishing and finishing with one tool - Good adaptation to workpiece contour - Soft abrasion due to elastic structure - Can be used until completely worn down

### Available grits:

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

All sizes and minimum purchasing quantities available on request

Please observe: Please see Applications Guide on page 318-320.



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A large grid of small dots for taking notes, consisting of approximately 30 columns and 40 rows of dots.

# Notes

A large rectangular area filled with a uniform grid of small, light grey dots, intended for taking handwritten notes.





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A large grid of small dots for taking notes.

# Notes





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A large grid of small dots for taking 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.

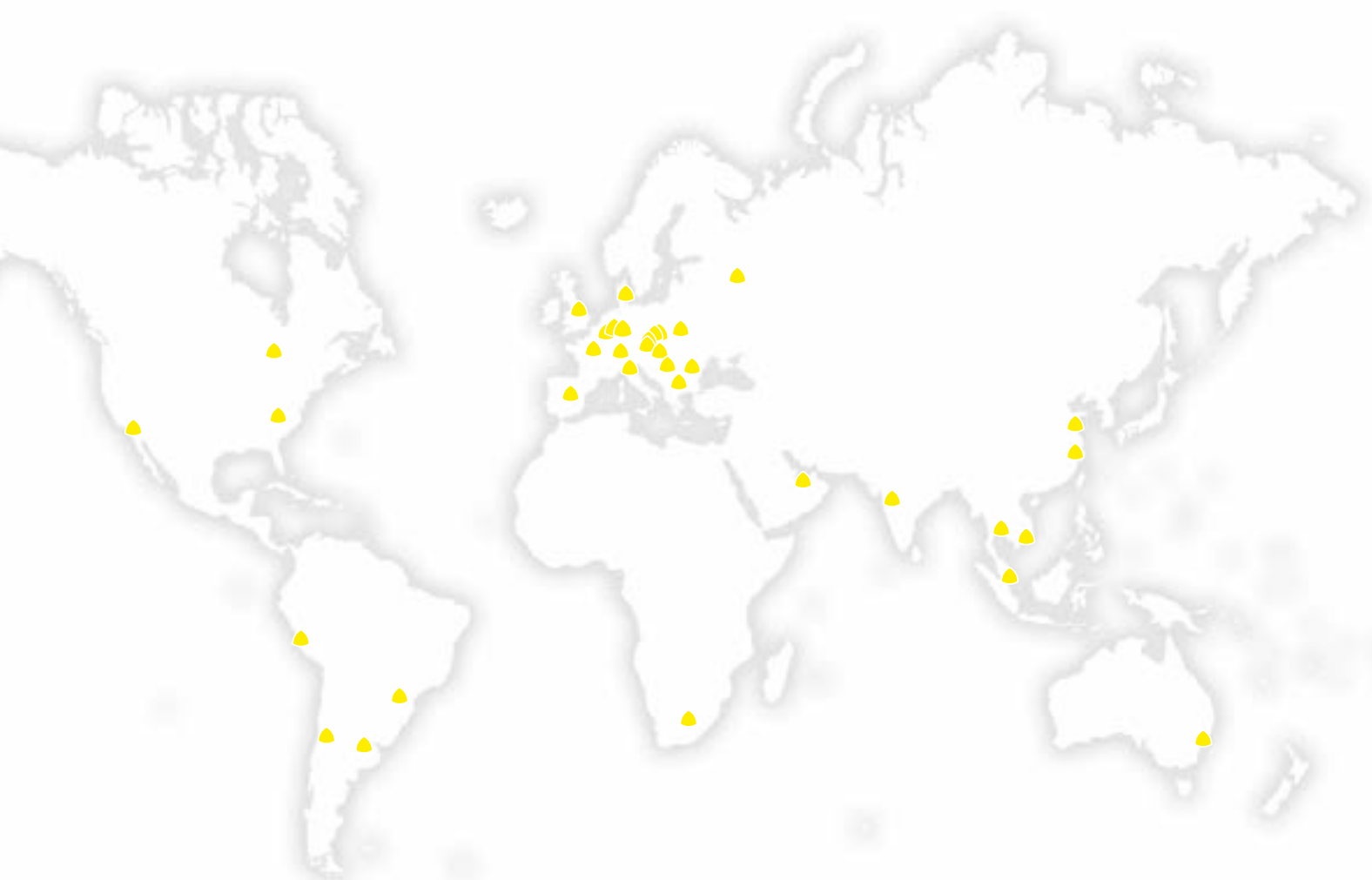
Regrettably there are no globally binding safety requirements for abrasive products.

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.





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**Klingspor Schleifsysteme GmbH & Co. KG**  
Haiger, Deutschland

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