

# **Good. Safe. Klingspor.**

**Catalogue 2024/2025**

**Klingspor**  
Abrasive Technology





**Klingspor products are marked with the oSa label**



## **What does oSa mean?**

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

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

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

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

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

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



# Contents

<b>General information</b>	
Contents	3
<b>Coated abrasives</b>	
Product summary	4-7
Product guide	8-11
Applications guide	12-15
<b>Rolls</b>	
Applications guide	16-17
Rolls	18-27
<b>Belts</b>	
Applications guide	28-35
Short belts for hand held machines	36-37
Short and long belts	37-47
<b>Wide belts</b>	
Applications guide	48-51
Wide belts	52-63
<b>Fibre discs</b>	
Applications guide	64-67
Fibre discs	68-73
<b>Strips/sheets/discs</b>	
<b>Strips/sheets</b>	
Applications guide	74-80
Strips/sheets	81-93
Blocks, sponges	94-97
<b>Discs</b>	
Applications guide	98-99
Discs	100-117
<b>Quick Change Discs</b>	
Applications guide	118-121
Quick Change Discs	122-129
<b>Abrasive mops</b>	
Applications guide	130-135
Abrasive mop disc, drums	136-139
<b>Small abrasive mops</b>	
Applications guide	140-141
Small abrasive and finishing mops	142-145
<b>Non-woven products</b>	
Applications guide	146-153
Non-woven rolls	154
Non-woven hand pads	155
Non-woven belts	156
Non-woven discs	156-157
Non-woven quick change discs	158-162
Non-woven mop wheels and drums	163-166
Non-woven abrasive mop discs	166-167
Unitised discs	167-168
Convolute wheels	169
Clean and strip discs	170
Power wheel	171

<b>Abrasive mop discs</b>	
Applications guide	172-177
Abrasive mop discs	178-187
<b>Cutting-off wheels</b>	
Applications guide	188-201
Cutting-off wheels 0,8-1,2 mm	202-206
Cutting-off wheels 1,6-1,9 mm	207-208
Cutting-off wheels 2,0-3,2 mm	209-212
Large cutting-off wheels	213-216
<b>Grinding discs</b>	
Applications guide	188-201
Grinding discs	217-223
<b>Diamond tools</b>	
Applications guide	224-229
Diamond cutting blades	230-258
Diamond cup grinding wheels	242-245
<b>Diamond drill bits &amp; other diamond tools</b>	
Diamond drill bits	259-261
Other diamond tools	262-265
<b>Flexible abrasives</b>	
Applications guide	266-268
Flexible abrasives	269
<b>Carbide burrs</b>	
Applications guide	270-273
Carbide burrs	274-283
<b>Wire brushes</b>	
Applications guide	284-291
Wire brushes	292-299
<b>Retail range</b>	
Applications guide	300-303
Retail range	304-329
<b>Service</b>	
Point of Sale	330-331
Safety recommendations	332-333
Conditions of Sale	334-338



## General information

### Product overview

# 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 fourteen 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.



#### **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.



#### **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.



#### **Quick Change Discs**

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.



#### **Abrasive strips, sheets and discs**

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



#### **Abrasive mop wheels**

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



# General information

## Product overview



### Non-woven products

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



### Wire brushes

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



### Abrasive mop discs

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



### Kronenflex grinding discs and cutting-off wheels

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



### Retail range

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



### Flexible abrasives

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



### Carbide burs

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



### Diamond tools

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



# General information

## Product overview



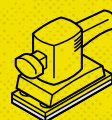
Hand sanding



Hand block



Handheld brush



Orbital sander



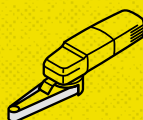
Random orbital sander



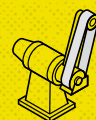
Delta sander



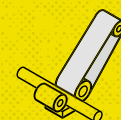
Portable belt sander



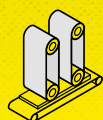
Hand tool belt grinder



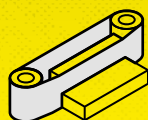
Back stand grinding machine



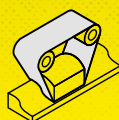
Centreless finishing machine



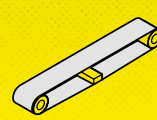
Through-feed grinding machine



Edge sanding machine



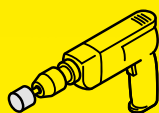
Contour finishing machine



Pad / stroke sanding machine



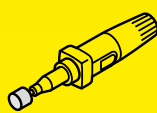
Wide belt finishing machine



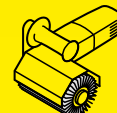
Drilling machine



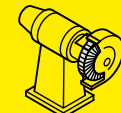
Cordless screwdriver



Die grinder



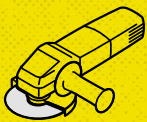
Satin finishing machine



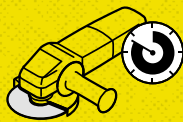
Floor standing grinder

# General information

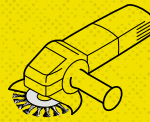
## Product overview



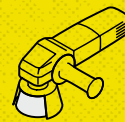
Angle grinder



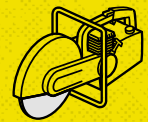
Variable speed angle grinder



Angle grinder with brush



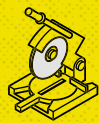
Angle grinder with cup grinding wheel



Petrol powered cutter



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



Chop saw



Drilling machine



Joint cutter



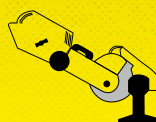
Lifting beam with mottling points



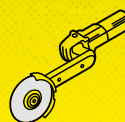
Right angle die grinder



Flexible shaft grinder



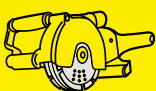
Petrol powered cutter with clamping device



Fillet weld grinder



Table saw



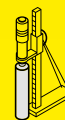
Joint router



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



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>PL 16 E</i>		E-paper	Aluminium oxide
	<i>PS 20 FW</i>	Specially coated	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 24 F ACT</i>	ANTISTATIC	F-paper	SiC
	<i>PL 28 C</i>	ANTISTATIC	C-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 44 E</i>		E-paper	Aluminium oxide
	<i>PS 46 E</i>		E-paper	Aluminium oxide
	<i>PS 48 D</i>		D-paper	Aluminium oxide
	<i>PS 524 E</i>	ANTISTATIC	E-paper	SiC
	<i>PS 61 F</i>		F-paper	Ceramic aluminium oxide
	<i>PS 729 F</i>		F-paper	Aluminium oxide-agglomerate
	<i>PS 73 BW</i>	Specially coated	B-paper	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>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
	<i>PS 77 CK T-ACT</i>	T-ACT coating	C-paper	Aluminium oxide
	<i>FP 77 K T-ACT</i>	T-ACT coating	Film	Aluminium oxide

Cloth	
JF	Cotton, light, highly flexible
GX	Blended cloth, light, flexible
J	Cotton, light
XF	Cotton, heavy, flexible

Cloth	
X	Cotton, heavy
Y	Polyester, heavy, highly firm
Z	Polyester, heavy, highly firm, can be divided into segments

Paper	
A	approx. 95 g/m²
B	approx. 105 g/m²
C	approx. 110 g/m²
D	approx. 130 g/m²

Paper	
E	approx. 250 g/m²
F	approx. 300 g/m²
G	approx. 400 g/m²

# 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
Abrasive paper	PS 8 A	●	K	✓	180–2500								85	
	PS 8 C	●	K	✓	60–150								85	
	PS 11 A	●	K	✓	220–2000	18							87	
	PS 11 C	●	K	✓	60–400, 600, 1000								86	
	PL 16 E	●	K/L		40, 60, 80, 100	18						92		
	PS 20 FW	●	K		80,120-180			39		56				
	PS 21 F	●	K		40, 60–320, 400, 600			39		56				
	PS 22 F ACT	●	K		40, 60–400	19		39		57				
	PS 24 F ACT	●	K		80, 120–800			40		58				
	PL 28 C	○	K/L		36, 40, 60–240								88	
	PS 29 F ACT	○	K		40–320, 400, 600	20		40		58				
	PS 30 D	●	K		40, 60–240, 320	20								
	PL 31 B	●	L		40–320, 400	21							88	
	PS 33 B	●	K		150–320, 400–600	22							90	
	PS 33 C	●	K		40, 60–120	22							89	
	PS 44 E	●	K		36	23								
	PS 46 E	●	K		60	23								
	PS 48 D	●	K		80	24								
	PS 524 E	●	K		40, 60–800			40		57				
	PS 61 F	●	K		60, 80, 120–320, 400			41		59				
PS 729 F		K		180, 240, 320, 400			41		59					
PS 73 BW	●	K		150–1500								90		
Self fastening	PS 19 EK	●	K		36, 40, 60-120, 220, 320, 400, 600, 800, 1200									104
	PS 21 FK	●	K		40, 60–180, 240, 320, 400									105
	PS 22 K	●	K		24, 40, 60–240, 320, 400							92		106
	PS 33 BK	●	K		150–320, 400–600							93		109
	PS 33 CK	●	K		40, 60–120							93		108
	PS 61 FK	●	K		60, 80, 120–180, 240									110
	FP 73 WK	●	K		80–180, 240, 320, 400, 600–800, 1200							88		111
	PS 73 BWK	●	K		150–1500							88		112
	PS 73 CWK	●	K		40, 60–120									112
	PS 77 CK T-ACT	●	K		60–220							94		115
	FP 77 K T-ACT	●	K		240, 280, 320, 400–2000			42				94		114

● = close    ● = semi-open    ○ = open

### Bonding agent

K Resin  
L Glue

Continuation →



# Product guide

## Coated abrasives

	Type	Properties	Backing	Grain type
Abrasive cloth	<b>CS 308 Y</b>		Y-polyester	Aluminium oxide
	<b>LS 309 JF</b>		JF-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 912 JF</b>		JF-cotton	Ceramic 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 326 Y</b>	KULEX, waterproof	Y-polyester	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>KL 361 JF</b>		JF-cotton	Aluminium oxide
	<b>KL 371 X</b>		X-cotton	Aluminium oxide
	<b>CS 409 Y</b>	Multibond	Y-polyester	Zirconia alumina
	<b>CS 411 Y</b>	Waterproof	Y-polyester	Zirconia alumina
	<b>CS 412 Y</b>	Waterproof	Y-polyester	Aluminium oxide
	<b>CS 420 Y</b>	Waterproof, NOPPEX	Y-polyester	Aluminium oxide
	<b>GX 533 JF</b>		JF-blended cloth	SiC
	<b>CS 538 Z ACT</b>	ANTISTATIC	Z-polyester	SiC
	<b>CS 729 X</b>	Waterproof	X-cotton	Aluminium oxide-agglomerate
	<b>CS 911 X</b>		X-cotton/polyester	Ceramic aluminium oxide
	<b>CS 913 X</b>	Multibond	X-cotton/polyester	Ceramic aluminium oxide
	<b>CS 920 Y ACT</b>	Multibond	Y-polyester	Ceramic aluminium oxide
	<b>CS 922 Y ACT</b>	Waterproof	Y-polyester	Ceramic aluminium oxide
Fibre discs	<b>CS 561</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>		Surface conditioning material	Aluminium oxide
	<b>NDS 800</b>		Surface conditioning material	Aluminium oxide
	<b>NBS 800</b>	Waterproof	Surface conditioning material	Aluminium oxide
	<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 TR</b>	Abrasive sponge, tear resistant, waterproof	Sponge	Aluminium oxide
	<b>SW 510</b>	Abrasive sponge, waterproof	Sponge	Aluminium oxide
	<b>SW 502</b>	Abrasive sponge, waterproof	Sponge	SiC
	<b>CS 395 X</b>	Graphite-coated canvas	X-cloth	Graphite
	<b>FD 500</b>	Waterproof	Foam core	Aluminium oxide / SiC

### Cloth

JF	Cotton, light, highly flexible
GX	Blended cloth, light, flexible
J	Cotton, light
XF	Cotton, heavy, flexible

### Cloth

X	Cotton, heavy
Y	Polyester, heavy, highly firm
Z	Polyester, heavy, highly firm, 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>

### Paper

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
CS 308 Y	●	K		40, 60-180, 240				43		60				
LS 309 JF	●	K		60-400, 600, 800	24			43						
LS 309 XH	●	K		40-180, 240	25		37							
CS 310 X	●	K		16-24, 36-320, 400-600				43		60				
CS 310 XF	●	K		40-180, 240				44						
CS 311 Y ACT	○	K		36-220				44		61				
LS 312 JF	●	K		60-320, 400				44						
LS 912 JF	●	K		60-180,240,320,400				49						
CS 320 Y	●	K	✓	24, 40, 60-120, 180				45		61				
CS 321 X	●	K	✓	80-320, 400, 500, 800		36		45						
CS 322 X	●	K	✓	Polishing fineness				45						
CS 326 Y		K	✓	60, 80, 120, 180, 240, 320, 400, 600, 800				46		62				
CS 329 Y		K		80, 120, 180, 240, 320, 400, 600				46		62				
CS 330 X	●	K	✓	220, 400, 600, 800				46						
KL 361 JF	●	K		30, 40-600	25							97		
KL 371 X	●	L		30-320, 400									96	
CS 409 Y	●	K		36-120				47		63				
CS 411 Y	●	K	✓	24, 36-120				47		63				
CS 412 Y	●	K	✓	24, 36-180, 240				47		64				
CS 420 Y		K	✓	120, 180, 240, 320, 400				48						
GX 533 JF	●	K		80-180, 240-400, 600				48						
CS 538 Z ACT	●	K		36-180						64				
CS 729 X		K		120, 180, 240, 320, 400				48		65				
CS 911 X	●	K		36-120				49		65				
CS 913 X	●	K		40, 60-120				49		66				
CS 920 Y ACT	●	K		24, 36, 40, 50, 60, 80				50		66				
CS 922 Y ACT	●	K	✓	36-180				50		67				
CS 561	●	K		16-240, 320							72			
CS 565	●	K		24, 36-100							73			
CS 570	●	K		24, 36-120							74			
FS 964 ACT	●	K		24, 36-80, 120							75			
FS 966 ACT	●	K		24, 36-60, 80, 120							76			
AN 400	○	K	✓	80-800	26							95		116
NRO 400		K		medium, fine, very fine	158									
NRO 500		K		medium, ultra fine	158									
NPA 400		K		coarse, medium, very fine									159	
NPA 500		K		medium, ultra fine, without grain									159	
SV 484		K		coarse, medium, very fine										160
NDS 800				coarse, medium, very fine										160
NBS 800		K	✓	coarse, medium, very fine				160						
SK 500	●	K	✓	60, 80, 100, 120, 180, 220, 280									98	
SK 700 A	●	K	✓	60, 80, 100, 120									98	
SW 501 TR	●	K	✓	100-220									99	
SW 510	●	K	✓	120, 180, 280, 400, 600									100	
SW 502	●	K	✓	120, 220									100	
CS 395 X			✓		27									
FD 500	●	K	✓	1000, 1500, 2000, 3000										117

● = close   ● = semi-open   ○ = open

### Bonding agent

K Resin  
L Glue

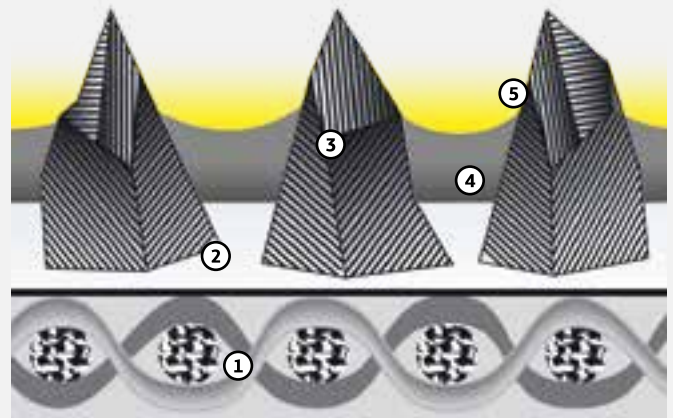


# Coated abrasives

## Applications guide

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

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



## Structure

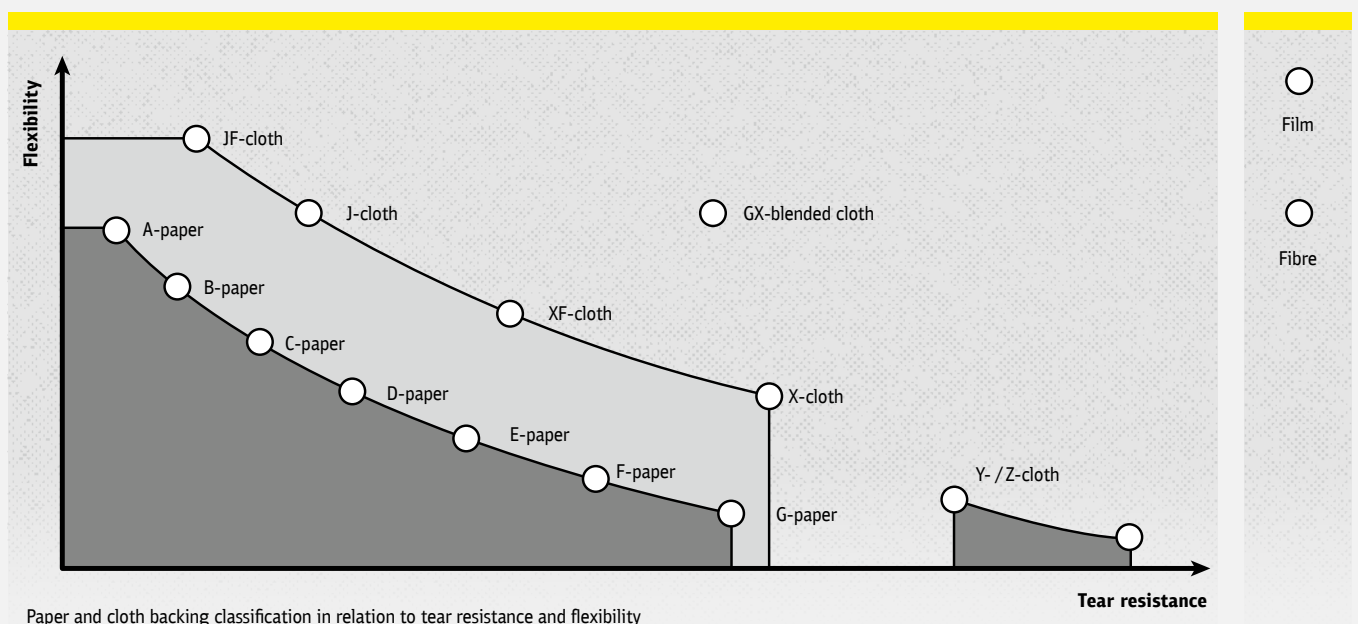
### 1. Coated abrasive backing

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

- ▶ Paper
- ▶ Cotton cloth
- ▶ Polyester cloth

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

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



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

## 2. Base coat

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

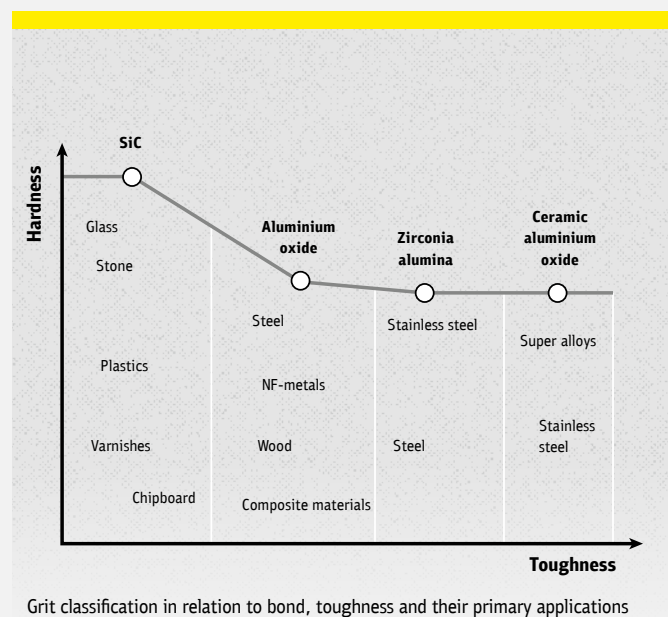
## 3. Grit

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

- Bond
- Toughness

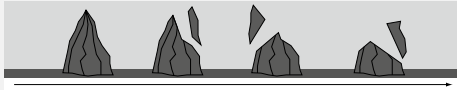
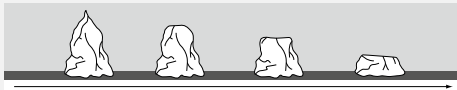
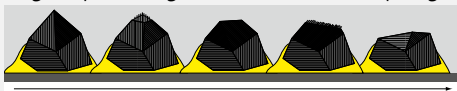
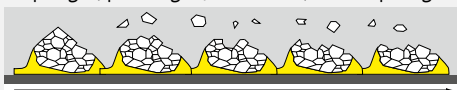
All Klingspor grit types are produced synthetically. This ensures a consistently high quality product. Four different grit types are used with coated abrasives:

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

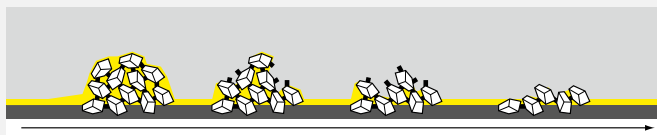


# Coated abrasives

## Applications guide

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

Grit type properties and their specific wear properties



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

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

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

### Coating

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

One differentiates between:

- close coating
- semi-open coating
- open coating

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

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



## Grit size chart

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

## 4. Size coat

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

## 5. Special coatings

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

### Stearate coating:

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

### Multibond:

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

### ACT – Advanced Coating Technology:

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

### Antistatic:

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





Applications rolls with paper backing						
Application	Type	Grain	Backing	Coating	Characteristics	Page
Wood	<b>PS 22 F ACT</b>	Aluminium oxide	F-paper	●	Close coating for maximum stock removal and uniform scratch pattern regarding surface treatment of hard, low-content woods. ACT and antistatic properties prevent premature clogging	19
	<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	available on request
	<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	20
	<b>PS 30 D</b>	Aluminium oxide	D-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	20
	<b>PL 16 E</b>	Aluminium oxide	E-paper	●	Universal product for hand sanding or machine sanding of wood and other materials	18
	<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	21
	<b>LS 309 X</b>	Aluminium oxide	X-cotton	●	Multi-purpose abrasive cloth for metal and wood processing, good price-performance ratio	available on request
	<b>LS 309 XH</b>	Aluminium oxide	X-cloth	●	Standard quality especially suited for the processing of metal, wood, paint and varnish	25
	<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	24
Paint	<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	available on request
	<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	18
	<b>PS 30 D</b>	Aluminium oxide	D-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	20
	<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	21
	<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	22
	<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	22
	<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	available on request
	<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	available on request
	<b>PS 44 E</b>	Aluminium oxide	E-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	23
Metals	<b>PS 46 E</b>	Aluminium oxide	E-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	23
	<b>PS 48 D</b>	Aluminium oxide	D-paper	○	Economical abrasive paper for universal applications in the processing of wood and paints	24
	<b>LS 309 X</b>	Aluminium oxide	X-cotton	●	Multi-purpose abrasive cloth for metal and wood processing, good price-performance ratio	available on request
	<b>LS 309 XH</b>	Aluminium oxide	X-cloth	●	Standard quality especially suited for the processing of metal, wood, paint and varnish	25
	<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	25
Composites, gel coats, paints and coatings, plaster and plasterboard, wood fillers and varnish	<b>KL 385 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible universal abrasive cloth for the metal processing industry, good price-performance ratio	available on request
	<b>AN 400</b>	Aluminium oxide	Abrasive screen	–	Effective high extraction dust removal thanks to open grid structure	26

● = close ○ = semi-open ○ = open

## Minimum order quantities for made to order items

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	Cotton, heavy
J	Cotton, light
JF	Cotton, light, highly flexible
Y	Polyester, heavy, high strength
XF	Cotton, heavy, flexible

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	2 pieces
25 mm	11 pieces	120 mm	2 pieces
28 mm	10 pieces	125 mm	2 pieces
30 mm	9 pieces	140 mm	2 pieces
35 mm	8 pieces	150 mm	1 piece
40 mm	7 pieces	250 mm	1 pieces
50 mm	5 pieces	300 mm	1 pieces
60 mm	4 pieces		



The standard length for production rolls is 50M.

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

Other sizes and grits available on request.

# Rolls with paper backing

Coated abrasives

Abrasive paper, waterproof

## PS 11 A



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

### Applications:

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

**Advantages:** Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Wet and dry sanding

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Width x Length in mm					Grit			Packing unit/pcs.					Cat. number			Price/piece ZAR			Discount group							
70 x 50000					400			1					366064			1.200,18 ZAR			1							
70 x 50000					1500			1					366056			1.271,41 ZAR			1							

Abrasive paper

## PL 16 E



### Properties

Bonding agent	Glue/resin
Grain	Aluminium oxide
Coating	Close
Backing	E-paper

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Universal product for hand sanding or machine sanding of wood and other materials

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Width x Length in mm					Grit		Packing unit/pcs.			Cat. number			Price/piece ZAR			Discount group										
300 x 50000					40		1			267628			2.720,87 ZAR			1										
300 x 50000					60		1			267638			2.186,87 ZAR			1										
300 x 50000					80		1			267646			1.935,58 ZAR			1										
300 x 50000					100		1			267653			1.778,52 ZAR			1										

Prices exclude VAT. Recommended prices.



# Rolls with paper backing

## Coated abrasives



Abrasive paper

### PS 22 F ACT



#### Properties

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

#### Applications:

Wood	●	NF metals	●
Metals	○		
Plastic	○		
Steel	○		

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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
70 x 50000	40	1	148716	2.344,90 ZAR	1
95 x 50000	100	1	20884	2.008,49 ZAR	1
115 x 50000	80	1	2986	2.668,17 ZAR	1
115 x 50000	100	1	2987	2.431,33 ZAR	1
150 x 50000	60	1	3013	3.974,48 ZAR	1
150 x 50000	80	1	3014	3.480,22 ZAR	1
150 x 50000	100	1	3015	3.171,30 ZAR	1
300 x 50000	40	1	3081	9.788,85 ZAR	1
300 x 50000	60	1	3083	7.688,24 ZAR	1
300 x 50000	80	1	253003	6.699,72 ZAR	1
300 x 50000	100	1	3085	6.081,89 ZAR	1
300 x 50000	120	1	3086	6.081,89 ZAR	1

Prices exclude VAT. Recommended prices.

# Rolls 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	●
Paint/Varnish/Filler	○



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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece/M ZAR	Discount group
115 x 50000	60	1	307884	2.897,28 ZAR	1
115 x 50000	80	1	302592	2.538,68 ZAR	1
115 x 50000	120	1	302591	2.314,56 ZAR	1
610 x 50000	240	50 M	327253	252,45 ZAR	1
610 x 50000	320	50 M	318680	252,45 ZAR	1

Abrasive paper

## PS 30 D



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	○



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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
70 x 50000	36	1	364354	1.086,63 ZAR	1
70 x 50000	40	1	266071	989,75 ZAR	1
70 x 50000	60	1	266072	806,77 ZAR	1
70 x 50000	120	1	259029	666,84 ZAR	1
70 x 50000	150	1	259030	666,84 ZAR	1
115 x 50000	40	1	174086	1.626,03 ZAR	1
115 x 50000	60	1	174088	1.325,41 ZAR	1
115 x 50000	80	1	174089	1.183,94 ZAR	1

Prices exclude VAT. Recommended prices.

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	Price/piece ZAR	Discount group
115 x 50000	100	1	174090	1.095,52 ZAR	1
115 x 50000	120	1	174091	1.095,52 ZAR	1
115 x 50000	150	1	174092	1.095,52 ZAR	1
115 x 50000	180	1	174093	1.095,52 ZAR	1
115 x 50000	220	1	267088	1.104,37 ZAR	1
115 x 50000	240	1	182418	1.104,37 ZAR	1
115 x 50000	320	1	182419	1.104,37 ZAR	1

Finishing paper

## PL 31 B



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	ⓘ

**Advantages:** Product with optimal price-performance ratio - 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	2500	3000
Width x Length in mm								Grit	Packing unit/pcs.								Cat. number		Price/piece ZAR				Discount group			
115 x 50000								400	1								3233		1.159,61 ZAR				1			

Prices exclude VAT. Recommended prices.

# Rolls with paper backing

Coated abrasives

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	2500	3000
Width x Length in mm					Grit		Packing unit/pcs.					Cat. number		Price/piece ZAR			Discount group									
115 x 50000					60		1					155815		1.916,01 ZAR			1									
115 x 50000					120		1					153398		1.553,77 ZAR			1									

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	2500	3000			
Width x Length in mm					Grit					Packing unit/pcs.					Cat. number					Price/piece ZAR					Discount group				
115 x 50000					150					1					153177					1.553,77 ZAR					1				
115 x 50000					180					1					149480					1.553,77 ZAR					1				
115 x 50000					220					1					149698					1.567,70 ZAR					1				
115 x 50000					320					1					148891					1.567,70 ZAR					1				
115 x 50000					400					1					145520					1.567,70 ZAR					1				

Prices exclude VAT. Recommended prices.



# Rolls with paper backing

Coated abrasives



Rolls

Abrasive paper

## PS 44 E



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Economical abrasive paper for universal applications in the processing of wood and paints

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
70 x 50000	36	1	278192	857,40 ZAR	1

Abrasive paper

## PS 46 E



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Economical abrasive paper for universal applications in the processing of wood and paints

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
70 x 50000	60	1	278194	807,24 ZAR	1

Prices exclude VAT. Recommended prices.

## Rolls with paper / cloth backing

### Coated abrasives

Abrasive paper

# PS 48 D



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Economical abrasive paper for universal applications in the processing of wood and paints

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000	
Width x Length in mm								Grit				Packing unit/pcs.				Cat. number				Price/piece ZAR				Discount group			
70 x 50000								80				1				278191				721,12 ZAR				1			

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	2500	3000
Width x Length in mm								Grit	Packing unit/pcs.				Cat. number				Price/piece ZAR				Discount group					
115 x 50000								80	1				5160				5.363,95 ZAR				2					
150 x 50000								100	1				5185				6.662,04 ZAR				2					
150 x 50000								180	1				5188				6.662,04 ZAR				2					
150 x 50000								220	1				5189				6.728,92 ZAR				2					
150 x 50000								400	1				122921				6.728,92 ZAR				2					

Prices exclude VAT. Recommended prices.

# Rolls with cloth backing

Coated abrasives



Rolls

Abrasive cloth

## LS 309 XH



### Properties

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

### Applications:

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

**Advantages:** Special type for portable belt sanders - For universal use on wood, metal, paint and varnish

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 50000	150	1	255727	3.575,75 ZAR	2
150 x 50000	60	1	253499	5.268,56 ZAR	2
300 x 50000	60	1	215817	10.372,99 ZAR	2
300 x 50000	100	1	215819	9.163,90 ZAR	2
300 x 50000	120	1	215820	9.163,90 ZAR	2
300 x 50000	150	1	215821	9.163,90 ZAR	2

Abrasive cloth, brown

## KL 361 JF



### Properties

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

### Applications:

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
25 x 50000	40	1	3769	1.063,62 ZAR	2
25 x 50000	60	1	3771	933,08 ZAR	2
25 x 50000	80	1	3772	871,65 ZAR	2
25 x 50000	100	1	3773	833,25 ZAR	2
25 x 50000	120	1	3774	833,25 ZAR	2
25 x 50000	150	1	3775	833,25 ZAR	2
25 x 50000	180	1	3776	833,25 ZAR	2

Prices exclude VAT. Recommended prices.

Continuation →

# Rolls with cloth backing / Abrasive screen

## Coated abrasives

→ Continuation of KL 361 JF, Abrasive cloth, brown

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
25 x 50000	240	1	3778	840,93 ZAR	2
40 x 25000	240	1	4210	674,01 ZAR	2
40 x 50000	40	1	3833	1.645,34 ZAR	2
40 x 50000	60	1	3835	1.436,47 ZAR	2
40 x 50000	80	1	3836	1.338,19 ZAR	2
40 x 50000	100	1	3837	1.276,76 ZAR	2
40 x 50000	120	1	3838	1.276,76 ZAR	2
40 x 50000	150	1	3839	1.276,76 ZAR	2
40 x 50000	180	1	3840	1.276,76 ZAR	2
40 x 50000	240	1	3842	1.289,04 ZAR	2
40 x 50000	320	1	3844	1.289,04 ZAR	2
40 x 50000	400	1	3846	1.289,04 ZAR	2
40 x 50000	600	1	64830	1.289,04 ZAR	2
50 x 25000	400	1	4230	842,51 ZAR	2
50 x 50000	40	1	3849	2.056,67 ZAR	2
50 x 50000	50	1	3850	1.918,45 ZAR	2
50 x 50000	60	1	3851	1.795,59 ZAR	2
50 x 50000	80	1	3852	1.672,73 ZAR	2
50 x 50000	100	1	3853	1.595,94 ZAR	2
50 x 50000	120	1	3854	1.595,94 ZAR	2
50 x 50000	150	1	3855	1.595,94 ZAR	2
50 x 50000	180	1	3856	1.595,94 ZAR	2
50 x 50000	220	1	3857	1.611,30 ZAR	2
50 x 50000	240	1	3858	1.611,30 ZAR	2
50 x 50000	320	1	3860	1.611,30 ZAR	2
50 x 50000	400	1	3862	1.611,30 ZAR	2

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 2500 3000

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 10000	80	1	348458	1.999,34 ZAR	1
115 x 10000	100	1	353063	1.803,59 ZAR	1
115 x 10000	120	1	348418	1.803,59 ZAR	1
115 x 10000	150	1	349059	1.803,59 ZAR	1

Prices exclude VAT. Recommended prices.

Continuation →



## Abrasive screen / Graphite coated canvas

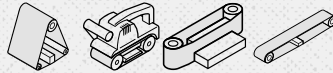


→ Continuation of AN 400, Abrasive screen, self-fastening, waterproof

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 10000	180	1	353062	<b>1.803,59 ZAR</b>	1
115 x 10000	240	1	349058	<b>1.803,59 ZAR</b>	1
115 x 10000	320	1	353061	<b>1.803,59 ZAR</b>	1
115 x 10000	400	1	353060	<b>1.803,59 ZAR</b>	1

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

Prices exclude VAT. Recommended prices.



# 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>	Al. oxide	J-cotton	●	Flexible abrasive cloth for processing slightly profiled workpieces, high stock removal rate, particularly suited for metal	available on request
	<b>LS 309 JF</b>	Al. oxide	JF-cotton	●	Highly flexible abrasive cloth for highly profiled workpieces for the manufacture of fine surfaces in metal and woodworking	<b>43</b>
	<b>LS 309 X</b>	Al. oxide	X-cotton	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	available on request
	<b>LS 309 XH</b>	Al. oxide	X-cotton	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	<b>37</b>
	<b>CS 310 X</b>	Al. oxide	X-cotton	●	Abrasive cloth for metal and woodworking with stable cloth backing, for heavy duty with particularly long service life	<b>43, 60</b>
	<b>CS 410 X</b>	Al. oxide	X-cotton	●	Abrasive material with stable cloth backing, multibond for long service life, especially suited for stainless steel processing	available on request
	<b>CS 341 X</b>	Al. oxide	X-cotton waterproof	●	Waterproof abrasive cloth for wet grinding on steel and stainless steel, particularly suited for centreless and surface grinding	available on request
	<b>CS 308 Y</b>	Al. oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	<b>43, 60</b>
Stainless steel	<b>PS 61 F</b>	Ceramic al. oxide	F-paper	●	Close coating, tear resistant backing and continuously self-sharpening ceramic grain, the perfect product for users with highest demands on service life, high stock removal rate and process reliability, for the processing of stainless steel surfaces	<b>41, 59</b>
	<b>LS 312 JF</b>	Al. oxide	JF-cotton	●	Highly versatile and flexible premium product for stainless steel components such as fixtures, fittings and surgical instruments	<b>44</b>
	<b>LS 313 JF</b>	Al. oxide	JF-cotton	●	Highly flexible high quality product for stainless steel shaped parts, additional multibond for cool grinding and long service life	available on request
	<b>CS 931 JF</b>	Ceramic al. oxide	JF-cotton	⦿	Special product with highly flexible backing for use on stainless steel and high alloy steels. Continuously aggressive abrasive performance with a long service life due to semi-open coated self-sharpening ceramic grit. Multibond for "cool grinding" with no discolouration	available on request
	<b>GX 931 JF</b>	Ceramic al. oxide	JF-blended cloth	⦿	Special highly flexible tear resistant polyester / cotton backed product for stainless steel and high alloy steels; ideal for robot applications. Micro-crystalline ceramic grit with multibond for "cool grinding" and continuously aggressive abrasive performance	available on request
	<b>GX 712 JF</b>	Al. oxide	JF-blended cloth	●	High performance belt with highly flexible, but nonetheless equipped with extremely tear resistant blended cloth backing, tempered aluminium oxide and coated materials	available on request
	<b>CS 329 JF</b>	Al. oxide-agglomerate	JF-cotton	●	Long life belt with particular long service life and constant scratch pattern. Special product for the dry grinding of slightly and strongly profiled parts in the stainless steel processing industry	available on request
	<b>CS 631 XF</b>	Ceramic al. oxide	XF-cotton	⦿	Flexible highly efficient belt for best grinding performance, long service life through self-sharpening ceramic grain for rough and intermediate grinding of contours, profiles and fittings, with multibond for cool grinding	available on request
	<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	available on request
	<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, 63</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	available on request
	<b>CS 409 Y</b>	Zirconia alumina	Y-polyester	●	Extremely tear resistant high performance belt with high stock removal efficiency and long service life due to additional multibond, for stainless steel and high alloy steels, cool grinding	<b>47, 63</b>

● = close   ⦿ = semi-open   ○ = open

# Abrasive belts

## Applications guide

Application	Type	Grain	Backing	Coating	Characteristics	Page
Stainless steel	<b>CS 922 Y ACT</b>	Ceramic al. oxide	Y-polyester	●	Extremely tear resistant high performance belt with self-sharpening ceramic grain for high stock removal efficiency and long service life for processing high alloy steels	<b>50, 66</b>
	<b>CS 920 Y ACT</b>	Ceramic al. oxide	Y-polyester	●	Extremely tear resistant high performance belt with self-sharpening ceramic grain for high stock removal efficiency and long service life for processing high alloy steels, multibond for cool grinding	<b>50, 66</b>
	<b>CS 330 X</b>	SiC/Kork	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>46</b>
	<b>CS 326 Y</b>	Al. oxide-agglomerate	Y-polyester		Long life belt for wet grinding with extremely long service and uniform scratch pattern for centreless circular and surface grinding	<b>46, 62</b>
	<b>CS 329 Y</b>	Al. oxide-agglomerate	Y-polyester		Long life belt with very long service life and constant surface finish for centreless circular and surface grinding. Aggressive grinding behaviour with low tool pressure	<b>46, 62</b>
	<b>CS 420 Y</b>	Al. 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>48</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	available on request
	<b>CS 451 X</b>	Zirconia alumina	X-cotton	●	Abrasive cloth with a stable backing for use under heavy load. Especially well suited for work on stainless steel	available on request
Steel / Stainless steel	<b>PS 20 F</b>	Al. oxide	F-paper	●	Close coating and heavy, tear resistant backing for high stock removal rate and a long service life for metalworking	available on request
	<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>39, 56</b>
	<b>PS 529 F</b>	SiC agglomerate	F-paper		Long life abrasive belt for a brilliant and glossy finish at low to medium tool pressure. Extra long service life at consistent surface roughness. Ideal for dry sanding applications performed with wide belt and long belt sanders	available on request
	<b>PS 729 F</b>	Al. 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>41, 59</b>
	<b>CS 412 Y</b>	Al. oxide	Y-polyester	●	Sturdy and highly tear resistant polyester backing for coarse and intermediate grinding on metal	<b>47, 64</b>
	<b>CS 310 XF</b>	Al. oxide	XF-cotton	●	Flexible abrasive cloth for profiled metal formed parts, standard quality for use with hand tool belt grinders	<b>44</b>
	<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	available on request
	<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, 63</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	available on request
	<b>CS 330 X</b>	SiC/Kork	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>46</b>
	<b>CS 710 XF</b>	Al. oxide	XF-cotton	●	Flexible abrasive belt for working on surfaces and mouldings	available on request
	<b>CS 729 X</b>	Al. oxide-agglomerate	X-cotton		Long life abrasive belt for wet and dry sanding with exceptionally long service life. Specially developed for surface grinding at medium contact pressure - Optimum workpiece adaptation due to semi-flexible and tear-resistant cotton backing	<b>48, 65</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	available on request
NF metals	<b>CS 333 JF</b>	SiC	JF-cotton	●	Highly flexible abrasive belt for metal shaped parts, particularly suited for NF metals	available on request
	<b>CS 333 XF</b>	SiC	XF-cotton	●	Flexible abrasive belt for metal shaped parts, particularly for NF metals	available on request
	<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>48</b>
	<b>GX 712 JF</b>	Al. oxide	JF-blended cloth	●	High performance belt with highly flexible, but nonetheless equipped with extremely tear resistant blended cloth backing, tempered aluminium oxide and coated materials	available on request
	<b>PS 20 FW</b>	Al. oxide	F-paper	●	Special product with improved clogging behaviour and significantly increased service life due to additional stearate coating. Special product for grinding aluminium and non-ferrous metals	<b>39, 56</b>
	<b>LS 314 JF</b>	Al. oxide	JF-cotton	●	Special product with stearate coating for working on slightly profiled and profiled workpieces	available on request
Wood	<b>PS 22 F ACT</b>	Al. oxide	F-paper	●	Close coating for maximum stock removal and uniform scratch pattern regarding surface treatment of hard, low content woods. Advanced Coating Technology (ACT) and antistatic properties prevent premature clogging	<b>39, 57</b>
	<b>PS 28 F</b>	Al. oxide	F-paper	○	Open coating and antistatic properties prevent premature clogging of the belt with grinding dust, sturdy, tear resistant backing, for all kinds of wood, particularly soft and high resin woods, e.g. spruce, pine	available on request
	<b>PS 29 F ACT</b>	Al. 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>40, 58</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 fibre-boards	available on request

● = close   ⦿ = semi-open   ○ = open

Continuation →



# Abrasive belts

## Applications guide



Application	Type	Grain	Backing	Coating	Characteristics	Page
Wood	<b>LS 309 X</b>	Al. oxide	X-cotton	●	Universal abrasive cloth for metal and woodworking, good price-performance ratio	available on request
	<b>LS 309 XH</b>	Al. oxide	X-cotton	●	Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish	<b>37</b>
	<b>CS 311 Y ACT</b>	Al. oxide	Y-polyester	○	Aluminium oxide quality with an open coating on tear resistant polyester backing for calibration and intermediate grinding when working with wood	<b>44, 61</b>
	<b>CS 308 Y</b>	Al. oxide	Y-polyester	●	Polyester abrasive cloth with close coating for working with metal and surface grinding of hardwood	<b>43, 60</b>
	<b>LS 318 JF ACT</b>	Al. oxide	JF-cotton	○	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	available on request
	<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>64</b>
	<b>CS 336 Y</b>	SiC	Y-polyester	●	Special product for calibrating and grinding of chipboard	available on request
	<b>CP 540 Z</b>	SiC	Kombi	●	Special product with a combination of paper and blended cloth. Extremely tear resistant and stable. Best results in respect to service life and finish with constant stock removal	available on request
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>40, 58</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	available on request
	<b>PS 524 E</b>	SiC	E-paper	●	Close coating with hard silicon carbide grain for painted and filled surfaces in the wood and furniture industry	<b>40, 57</b>
	<b>FP 73 W</b>	Al. oxide	Film	●	Special product with very tear resistant film backing for the processing of paint, varnish and filler with high service life through additional special coating	available on request
	<b>FP 77 K T-ACT</b>	Al. oxide	Film	●	High-performance abrasive product with new innovative coating technology that keeps the disc from clogging prematurely during the sanding of strongly adhesive materials. Fine and finish sanding with an exceptionally level and tear-resistant film backing	<b>42</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>48</b>
Glass	<b>CS 322 X</b>	(Cork)	X-cloth waterproof		Special belt for polishing glass	<b>45</b>
Plastic / Glass	<b>CS 333 X</b>	SiC	X-cotton	●	Abrasive cloth with tear resistant backing for heavy duty and long service life for the processing of glass, ceramics, plastic and scale (dry grinding)	available on request
	<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>45, 61</b>
	<b>CS 321 X</b>	SiC	X-cotton	●	Special belt for wet and dry grinding of glass, ceramic and plastic	<b>36, 45</b>

● = close   ● = semi-open   ○ = open

### Minimum order quantities for made to order items

Width	Minimum order quantities
3 – 50 mm	30 pieces
51 – 60 mm	25 pieces
61 – 75 mm	20 pieces
76 – 100 mm	15 pieces
101 – 150 mm	10 pieces
151 – 300 mm	10 pieces
301-399 mm	30 pieces
400 mm and wider	10 pieces



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

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

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

# Short and long belts

## Applications guide

### Belt joints for long and short belts

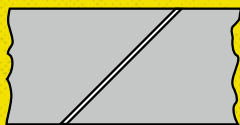
Klingspor supplies belts with various types of joints. The type of joint you require depends on the work involved and the machine you are using. The following illustrations show the usual types of joint.

The available types of 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.**



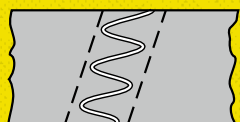
**Type 1**  
Diagonal cut, glued overlapped.



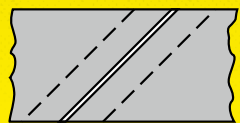
**Type 2**  
Diagonal cut, glued overlapped. Grain tips are completely removed from the overlap to provide for a smoother running belt.



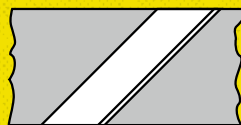
**Type 3 G**  
Zig zag joint, with cloth-reinforced foil backing, impact-free working at very sensitive parts, in particular glass.



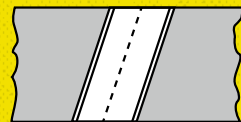
**Type 4 G**  
Diagonal cut. Butt joint with cloth-reinforced foil backing. Also suitable for working on unsupported belts, for demanding requirements.



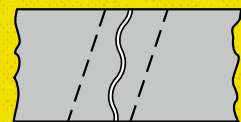
**Type 5**  
Overlapping glued joint. Grit zone is completely ground off. Preferred joint for wood finishes with flat contact elements.



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



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



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

# Short and long belts

## Applications guide



### Pad/stroke, edge and profile sanding machines

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

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

# Short and long belts

## Applications guide

### Portable sanding belt

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

Continuation →



# Short and long belts

## Applications guide



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


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


# File belts

Coated abrasives

Abrasive cloth, waterproof

## CS 321 X





Properties		Applications:
Bonding agent	Resin	Glass/Stone ●
Grain	SiC	Mineral based materials ●
Coating	Close	Plastic ●
Backing	X-cotton	

**NEW** !

**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	2500	3000
Width x Length in mm					Grit		Belt joint		Packing unit/pcs.					Cat. number		Price/piece ZAR		Discount group								
30 x 533					120		F3G		50					344526		31,11 ZAR		4								

Prices exclude VAT. Recommended prices.

# 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
60 x 400	60	F5	10	4100	42,65 ZAR	4
60 x 400	80	F5	10	4104	41,55 ZAR	4
65 x 410	40	F5	10	4106	46,91 ZAR	4
65 x 410	60	F5	10	4114	44,31 ZAR	4
65 x 410	80	F5	10	4120	43,09 ZAR	4
65 x 410	100	F5	10	4124	42,33 ZAR	4
65 x 410	120	F5	10	4128	42,33 ZAR	4
75 x 457	40	F5	10	37269	52,46 ZAR	4
75 x 457	60	F5	10	38825	49,12 ZAR	4
75 x 457	80	F5	10	40345	47,54 ZAR	4
75 x 457	100	F5	10	41560	46,56 ZAR	4
75 x 457	120	F5	10	42627	46,56 ZAR	4
75 x 480	40	F5	10	4098	53,71 ZAR	4
75 x 480	60	F5	10	4107	50,20 ZAR	4
75 x 480	80	F5	10	4115	48,55 ZAR	4
75 x 480	100	F5	10	4121	47,51 ZAR	4
75 x 480	120	F5	10	4125	47,51 ZAR	4
75 x 508	40	F5	10	4099	55,23 ZAR	4
75 x 508	60	F5	10	4103	51,52 ZAR	4
75 x 508	80	F5	10	4117	49,77 ZAR	4
75 x 508	100	F5	10	4118	48,68 ZAR	4
75 x 533	40	F5	10	4137	56,60 ZAR	4
75 x 533	60	F5	10	4139	52,70 ZAR	4
75 x 533	80	F5	10	4140	50,87 ZAR	4
75 x 533	100	F5	10	4141	49,72 ZAR	4
75 x 533	120	F5	10	4142	49,72 ZAR	4
75 x 533	150	F5	10	4143	49,72 ZAR	4
75 x 575	40	F5	10	4145	58,89 ZAR	4
75 x 575	60	F5	10	4146	54,68 ZAR	4
75 x 575	80	F5	10	4147	52,71 ZAR	4
75 x 575	120	F5	10	4149	51,47 ZAR	4
75 x 610	40	F5	10	37285	60,79 ZAR	4
75 x 610	60	F5	10	38842	56,33 ZAR	4
75 x 610	80	F5	10	40365	54,23 ZAR	4
75 x 610	100	F5	10	41576	52,92 ZAR	4
75 x 610	120	F5	10	42642	52,92 ZAR	4
100 x 533	60	F5	10	282937	64,03 ZAR	4

Prices exclude VAT. Recommended prices.

Continuation →

# 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	Price/piece ZAR	Discount group
100 x 560	40	F5	10	4151	<b>70,44 ZAR</b>	4
100 x 560	60	F5	10	4473	<b>64,99 ZAR</b>	4
100 x 560	80	F5	10	4474	<b>62,42 ZAR</b>	4
100 x 560	100	F5	10	4475	<b>60,81 ZAR</b>	4
100 x 560	120	F5	10	4476	<b>60,81 ZAR</b>	4
100 x 610	40	F5	10	4478	<b>74,08 ZAR</b>	4
100 x 610	60	F5	10	4480	<b>68,13 ZAR</b>	4
100 x 610	80	F5	10	4481	<b>65,33 ZAR</b>	4
100 x 610	100	F5	10	4482	<b>63,58 ZAR</b>	4
100 x 610	120	F5	10	4483	<b>63,58 ZAR</b>	4
100 x 610	150	F5	10	4484	<b>63,58 ZAR</b>	4
100 x 620	40	F5	10	6272	<b>74,80 ZAR</b>	4
100 x 620	60	F5	10	6278	<b>68,76 ZAR</b>	4
100 x 620	80	F5	10	6283	<b>65,92 ZAR</b>	4
100 x 620	100	F5	10	6284	<b>64,14 ZAR</b>	4
110 x 620	40	F5	10	6290	<b>82,06 ZAR</b>	4
110 x 620	60	F5	10	6292	<b>75,42 ZAR</b>	4
110 x 620	80	F5	10	6294	<b>72,29 ZAR</b>	4
110 x 620	100	F5	10	6295	<b>70,33 ZAR</b>	4
110 x 620	120	F5	10	6296	<b>70,33 ZAR</b>	4

Prices exclude VAT. Recommended prices.



# Belts with paper backing

Coated abrasives



Abrasive paper

## PS 21 F



### Properties

Bonding agent	Resin
Grain	Zirconia alumina
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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Abrasive paper, actively coated

## PS 20 FW



### Properties

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

### Applications:

Aluminium	●
NF metals	●
Composite materials	●

**Advantages:** Special product with improved clogging behaviour and significantly increased service life due to additional stearate coating - Specially for grinding aluminium and non-ferrous metals

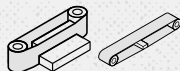
### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

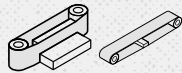
Prices exclude VAT. Recommended prices.

# Belts with paper backing

Coated abrasives

Abrasive paper, ANTISTATIC

## PS 524 E



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

### Applications:

Paint/Varnish/Filler	●
Plastic	●
Wood	○

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

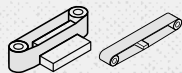
Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

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

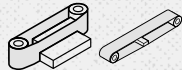
Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

## PS 29 F ACT



### Properties

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

### Applications:

Wood	●
------	---

**Advantages:** High-quality universal belt for general woodworking, especially softwood - Reduced clogging and longer service life due to ACT recipe and antistatic properties

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Prices exclude VAT. Recommended prices.

# Belts with paper backing

Coated abrasives



**CEVOLUTION**

Abrasive paper

## PS 61 F CEVOLUTION



### 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 - The PS 61 F belt includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

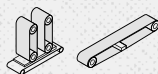
### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Abrasive paper, KULEX

## PS 729 F



### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Coating	Close
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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**


Prices exclude VAT. Recommended prices.


# Belts with paper backing

Coated abrasives

Abrasive film with velour backing, waterproof

## FP 77 K T-ACT





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

Applications:	
Paint/Varnish/Filler	●
Primer	●
Filler	●
Gel coats	●

Composite materials	●
Plastic	○

**Advantages:** New high-performance product with optimized clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For fine sanding in the fine grit range 240 - 2000, a highly flexible and completely flat film backing is used for highest surface quality - Soft grinding thanks to damping velour 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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Prices exclude VAT. Recommended prices.



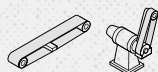
# Belts with cloth backing

Coated abrasives



Abrasive cloth

## CS 308 Y



### Properties

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

### Applications:

Stainless steel	●
Wood	●
Steel	●
NF metals	●

Plastic	○
---------	---

**Advantages:** Tear-resistant universal abrasive cloth for metalworking and for hardwood finish grinding - Excellent removal rate under high stress

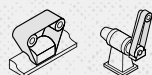
### Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

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

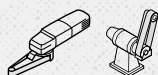
### Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth

## CS 310 X



### Properties

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

### Applications:

Stainless steel	●
Wood	●
Steel	●
NF metals	●

Plastic	○
---------	---

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

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

## Belts with cloth backing

Coated abrasives

Abrasive cloth

### CS 310 XF



#### Properties

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

#### Applications:

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

**Advantages:** Flexible, tear-resistant universal product for processing lightly profiled or shaped metal parts

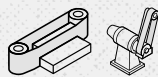
Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth ANTISTATIC

### CS 311 Y ACT



#### Properties

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

#### Applications:

Wood	●
Metals	①

**Advantages:** Good removal rate for working on wood under high stress - Minimal clogging and long service life due to ACT recipe and antistatic properties

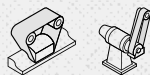
Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth

### LS 312 JF



#### Properties

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

#### Applications:

Stainless steel	●	Wood	①
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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

# Belts with cloth backing

Coated abrasives



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

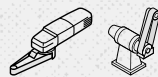
### Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

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

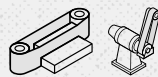
### Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

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. **All available grits see page 11.**

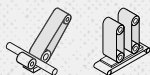
Prices exclude VAT. Recommended prices.

## Belts with cloth backing

Coated abrasives

Abrasive cloth, KULEX

### CS 326 Y



#### Properties

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

#### Applications:

Stainless steel	●
Steel	●

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth, KULEX

### CS 329 Y



#### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Coating	Close
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

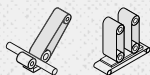
Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

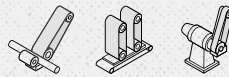
# Belts with cloth backing

Coated abrasives



Abrasive cloth, multibond

## CS 409 Y



### Properties

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

### Applications:

Stainless steel	●
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

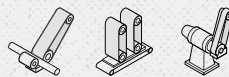
Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.



## 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

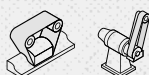
Available grits:

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Belt joint	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
75 x 3500	120	F4G	10	318359	1.157,53 ZAR	4

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

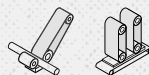
Available grits:

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth, waterproof

### CS 729 X



#### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Coating	Close
Backing	X-cotton

#### Applications:

Stainless steel	●
Steel	●

**Advantages:** Long life abrasive belt for wet and dry sanding with exceptionally long service life - For a satin surface scratch pattern with uniform surface quality - Specially developed for surface grinding at medium contact pressure - Optimum workpiece adaptation due to semi-flexible and tear-resistant 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

# Belts with cloth backing

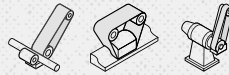
Coated abrasives



**CEVOLUTION**

Abrasive cloth

## LS 912 JF CEVOLUTION



### Properties

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

### Applications:

Stainless steel	●
NF metals	●
Metals	●

**Advantages:** Special product with highly flexible cotton backing for processing non-ferrous metals, stainless steel and steel - Continuously aggressive grinding behaviour due to self-sharpening ceramic grain and grinding-active additives - Grinding of heavily profiled workpieces in the metal industry - The LS 912 JF belt includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth

## CS 911 X



### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close
Backing	Cotton/polyester

### Applications:

Stainless steel	●
Steel	●
Hardwood	●
NF metals	○

**Advantages:** Self-sharpening ceramic grit for coarse and intermediate grinding in the steel and stainless steel processing industry and for parquet sanding

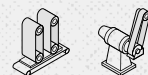
Available grits:

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth, multibond

## CS 913 X



### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close
Backing	Cotton/polyester

### Applications:

Stainless steel	●
High alloy steel	●
NF metals	○

**Advantages:** Continuously aggressive grinding behaviour - Long service life due to self-sharpening ceramic grit - The additional multibond provides a "cool grinding" in the processing of stainless steel and thus tempering colours are avoided - No premature 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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

# Belts with cloth backing

Coated abrasives

**CEVOLUTION**

Abrasive cloth, multibond

## CS 920 Y ACT CEVOLUTION



### Properties

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

### Applications:

Stainless steel	●
High alloy steel	●

**Advantages:** Special product with Advanced Coating-Technology (ACT) - Excellent grit adhesion - Highly tear-resistant polyester backing and self sharpening ceramic grain for rough, and intermediate grinding of stainless steel and high alloyed steel at high loads - Higher service life and cool grinding due to special coating with active multibond - The CS 920 Y belt includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. All available grits see page 11.

**CEVOLUTION**

Abrasive cloth, waterproof

## CS 922 Y ACT CEVOLUTION



### Properties

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

### Applications:

Stainless steel	●
Steel	●

**Advantages:** Continuously aggressive grinding behaviour - Long service life due to self-sharpening ceramic grit - Very high grain adhesion thanks to Advanced Coating Technology and highly tear-resistant polyester backing - The CS 922 Y belt includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. All available grits see page 11.

Prices exclude VAT. Recommended prices.

## Notes



## Belts

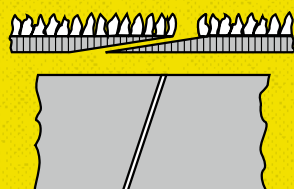
### Belt joints for wide belts

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

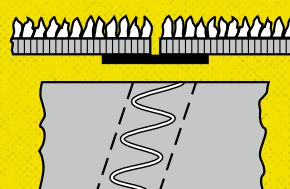
The following illustrations show the usual types of joints. The available types of joints are listed in the product charts on the following pages.

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

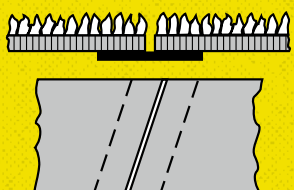
**If the product you require is not in stock, we will manufacture it for you subject to a minimum order quantity.**



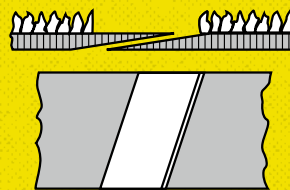
**Form 1**  
Overlapping glued joint. Standard joint for wide belts with paper backing.



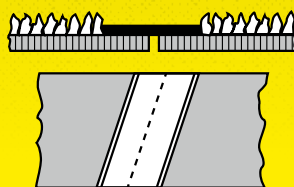
**Form 3 G**  
Zig zag joint, with foil backing for finishing surfaces that must be of the highest quality using wide belts with cloth backing.



**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	
		Width in mm	Length in mm
Anthon	Saphir Combi 1100/1300, Saphir WS 1100/1300, Saphir WWS 1100/1300, Saphir 110/130, Saphir L, Saphir L-series	1120/1320	1900
	CMOWKS	900/1100/1300	2500
Biesse	Levia 95	970	1900
	Levia 110	1120	2150
	Levia 110R	1115	2620
	Levia 135, Levia 135R 2, Levia 135R 3	1370	2150
	Levia 210, Levia 220	970	1900
	Levia 310, Levia 320, Levia 330	1120/1370	2150
	Regal 135 2, Regal 135 3, Regal 520, Regal 530	1370	2620
	Regal 320, Regal 330	1120/1370	2620
Boere	B, Kombi, Sandonomic C, Sandonomic KC	610/810/910/1010/1110/1310	1900
	Elite B	610/910/1100/1310	1900
	Elite B/T	610/910	1900
	Elite B/T	1110/1310/1660	2620
	Elite-LAC K, Elite-LAC KK	1100/1300	2620
	Elite-T	610/910/1110/1310	1900
	Elite TP	910/1110/1310	1900
	Merite C, Merite KC	1010	1900
	MT C, MT KS/KK, MT KKS/KKK	410/610/940	1525
	Sandrite C, Sandrite KC	1110/1310	1900
Büferring	Select C, Select K, Select KC, Select KK, Select KS, Select KKC, Select KKK, Select KKS, Select CB, Select KSB	910/1110/1310	1900
	Select +plus+	1370	2620
	AF 2, AF 3	1110/1360	2620
	AL-E	1360	2620
	AWS 2, AWS 3, AWS Combi	1110/1360	1900
	Optimat SBC 111/113/Classic, Optimat SBC 211/312/Classic, Optimat SBC 311/313/Classic	1120/1370	1900
	Optimat SBC 213/QC/Classic, Optimat SBC 313/QCE/Classic, Optimat SBC 313/RQE/Classic	1370	1900/2620
	E-Line 111, E-Line 211, E-Line 311	1120	1900
	E-Line 113, E-Line 213, E-Line 313	1370	1900
	ECO 1100, ECO 2 K, ECO 2 KC, ECO 2 KK, ECO 2 C-E, ECO 2 K-E	1120	1900
	PRO 111, PRO 211	1120	1900
	SBO 109	970	1900
	SCO 213 CC, SCO 213 CH, SCO 213 QC, SCO 213 QH	1370	2620
	SGO 109 K	970	1900
	SGO 211 K, SGO 211 RK, SGO 211 MK, SGO 311 RKK	1120	1900
	SKO 111 C	1120	1900
	SKO 113 C, SKO 213 RC, SKO 213 CC	1370	1900
	STO 111 L, STO 211 RL	1120	1900
	STO 113 L, STO 213 RL, STO 313 RRL	1370	1900
	Super 109 L, Super 209 RL	970	1900
	Super 111 L, Super 211 RL	1120	1900
	Super 113 L, Super 213 RL	1370	1900
Büferring	Super RRF/RRL 311/313, Super RLF 311/313, Super MRL 311/313	1120/1370	1900
	SWO 313 RRF	1370	2620
Büferring	SWT 113 K	970	1900
	SWT 142 RK, SWT 124 MK, SWT 124 RC, SWT 134 RCC, SWT 134 RRK	1120	1900
	SWT 315 C, SWT 325 RL, SWT 325 RC, SWT 325 RH, SWT 325 CC, SWT ww 325 CH, SWT 325 QC, SWT 335 RQE, SWT 335 RQH, SWT 335 QCE, SWT 335 RRL, SWT 335 RRC	1370	2620
	SWT 515 C	1370	2150
	SWT 525 CC, SWT 525 CH, SWT 525 QC, SWT 525 QH, SWT 535 RQE, SWT 535 RQH, SWT 535 QCE, SWT 535 QCH	1370	2620
	SWT 700	1350/1650	2620/3250
	SWT 900	1350/1650/2200	2620/3250
	Vega 111, Vega 211 C-E, Vega 311	1120	2150
	Vega 113, Vega 213 C-E, Vega 313	1370	2150
	Libra 1 (TC 95, RR 95, RT 95, RTC 95)	970	2200
Casadei	Libra 2 (TC 110, RR 110, RT 110, RTC 110)	1120	2200
	Libra 3 (110 RRT, 110 RRR, 110 RRTC)	1120	2200
	Libra 4/2 (RR 135, RT 135, RTC 135, TCTC 135, TCT 135, TT 135)	1380	2620
	Libra 4/3 (RRR 135, RRT 135, RTCTC 135, RRTC 135, RTT 135, RTCT 135)	1380	2620
	Libra 6 (RT 115, RR 115, RT 135, RR 135)	1180/1380	2620
	Libra 10	970	1525
	Libra 30 (RTC 95, TC 110, RTC 110)	970/1115	1900
	Libra 40, Libra 40/3 (RR110, RTC 110, RRR 110, RRTC 110, TC 135, RR 135, RTC 135, RRR 135, RRTC 135)	1115/1370	2200
	Libra 50 (RR 135, RTC 135, RRR 135, RRTC 135)	1370	2620
	Libra 60 (RR135, RTC 135, RRR 135, RRTC 135)	1370	2620
CMC	LEV 95 RT/RR/R+T	970	1900
	LEV 115 RT/RR/R+T	1180	1900
Costa	A, A1, AK, AF, AKF, AW1	1180/1380	2620
	K, KA, KB, KH, KK, KP, KBA, KBH, KHV, KKA, KKH, KKP, KPH	1350/1650	2620/3250
	Elite CK, C/400, CT, CC, C/CK, CK/T	1150/1350	2620
	S, SA, SP	1150/1350	2620
	S4	1380/1680	4600
	SN	1380/1680	2620/3250
	SH	1380	2620/3250
	SK (Serie 4)	1150	2200
	SK (Serie 5, Serie 6)	1380	2620
	K (Serie 7)	350 – 1650	2620/3250
Costa	K (Serie 8)	1350 – 2200	2620/3250
	K (Serie 9)	1650 – 3000	3250/4600

# Wide belts

## Applications guide

### Wide belt machines

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

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

# Wide belts

## Applications guide



### Wide belt machines

Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Sand- ing-master / Timesavers	SA 3200 WW, SA 3200 WS, SA 3200 WC, SA 3200 PW, SA 3200 PC, SA 3200 WK, SA 3200 WG, SA 3200 KG	900/1100/1350	1900
	SA 3100 W, SA 3100 C, SA 3100 K	900/1100/1350	1900
	SA 3200 WW, SA 3200 WS, SA 3200 WC, SA 3200 PW, SA 3200 PC, SA 3200 WK, SA 3200 WG, SA 3200 KG	900/1100/1350	1900
	SA 3300 WWW, SA 3300 WWS, SA 3300 WWC, SA 3300 PWS, SA 3300 PWC, SA 3300 WWK, SA 3300 WWG	900/1100/1350	1900
	SA 3400 WWWW, SA 3400 WWWS, SA 3400 WWWC	900/1100/1350	1900
	SA 4100 W	1100/1350	2620
	SA 4200 WW, SA 4200 WS, SA 4200 PW, SA 4200 WG, SA 4200 DW	1100/1350	2620
	SA 4300 WWW, SA 4300 WWS, SA 4300 PWS, SA 4300 WWG, SA 4300 DWG, SA 4300 DKG	1100/1350	2620
	SA 4400 WWWW, SA 4400 WWWS, SA 4400 WWKG	1100/1350	2620
	SCSB	630/930/ 1130/1330	1900
	SCSB2	630/930/ 1130/1330	1900
	SCSB3	630/930/ 1130/1330	1900
	Timesavers-Grindingmaster 2000 Serie	600/900/ 1100/1350	1900
	Timesavers-Grindingmaster 2100 Serie	600/900/ 1100/1350	1900
	Timesavers-Grindingmaster 2200 Serie	900/1100	1900
	Timesavers-Grindingmaster 2200 Serie	1300	2620
	Timesavers-Grindingmaster 3100 Serie	600/900	1525
	Timesavers-Sandingmaster 3300 Serie	900/1100/1350	1900/2150/ 2620
	Timesavers-Grindingmaster 4100 Serie	600/900/1350	1900
	Timesavers-Grindingmaster 4200 Serie	600/900/1350	1900
	Speedsander	930	1525
	137-1HDMW	940	1525
	137-1HD60	940	1525
	137-1HPM	940	1905
	143-1HD60	1090	1525
	CL 63TS, CL 110, CL 130	640/1115/1315	2150
	Sandya CL 110M	1115	2150
	CS92, CS110, CS130	930/1115/1315	2300
	Sandya Uno (CC, CS, CCS, RR, RCS)	930	1525
	Sandya 1K, Sandya 1S	970	1525
	Sandya 3	970	1900
	Sandya 3 S, Sandya 300	970/1115	1900
Manufacturer	Type	Abrasive belt size	
		Width in mm	Length in mm
Sandya	Sandya 5	1115	1900
	Sandya 5 S, Sandya 600, Sandya 75	1115/1370	2150
	Sandya 10/2, Sandya 10/3	1115/1320	2150
	Sandya 10S, Sandya 15S, Sandya 16S	1115/1370	2620
	Sandya 20, Sandya 9S	1115/1370	2620
	Sandya 30 CS	1315	2300
	Sandya 30 CLK, Sandya 7	1115	2150
	Sandya 30 CL	1315	2150
	Sandya 30/2, Sandya 30/3	930/1115/1315	2620
	Sandya 40	1370	2620
	Sandya 50	1115/1315	1900
	Sandya 60	1115	2620
	Sandya L90	915	2150
	Sandya 90 CLX4G, Sandya 30 RRT130	1315	2620
	Sandya Win	640	1525
Tagliabue	EuroSander 1350	1350 – 1400	2620/3250
	EuroSander 1700	1650 – 1730	2620/3250
	TAG	1400	2620/3250
	TAG E	1400	2620
	TAG EU	1400	2620/3250
Viet	TAG L	430/630/830	2620
	Challenge 111/113, Challenge 211/213, Challenge 221/223, Challenge 321/323, Challenge 331/333	1130/1380	2620
	Challenge 111AK, Challenge 211A, Challenge 211AK, Challenge 221AK, Challenge 221A	1130	2200
	Challenge 221B/223B	1130/1380	2620
	Rita 3/CC, Rita 4/CC	1400	3250
	S1, S2	1130/1380	2200/2620
	S3	1130/1380/ 1630	2620
	S4	1380	3250
	S211, S219	1000	1900
	Valeria 1, 2, 3	1400	3250
Weber	KSF	1120/1370/ 1620	2150/2620
	KSV	1120/1370/ 1620/1920/ 2270	2620
	KSL	1370/1620	2620
	OFZ-K1(o), -K2(o), -K3(o)	950/1150/1400	2050/2500
	OFZ KS/Q	1400	2500
	Weber 600	1120/1370	1900
	Weber 1000	1120/1370	2150
	LCS	1100/1300	1900
	LCE compact	1100/1350	1900
	TT, MKS	600/1100/ 1350/1600	2150
	MK	920/1120/ 1370/1620/ 2020	2620
	KLE	1400	2620

# Wide belts with paper backing

Coated abrasives

Abrasive paper, actively coated

## PS 20 FW



### Properties

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

### Applications:

Aluminium	●
NF metals	●
Composite materials	●

**Advantages:** Special product with improved clogging behaviour and significantly increased service life due to additional stearate coating - Specially for grinding aluminium and non-ferrous metals

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Prices exclude VAT. Recommended prices.

# 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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Abrasive paper, ANTISTATIC

## PS 524 E



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

### Applications:

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

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Prices exclude VAT. Recommended prices.



# Wide belts with paper backing

## Coated abrasives

Abrasive paper, ANTISTATIC

### PS 24 F ACT



#### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	F-paper

#### Applications:

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

**Advantages:** For hard and tough surfaces - Produces a brilliant, high gloss finish on stainless steel surfaces due to the very hard and sharp-edged silicon carbide grit - Long service life on varnish surfaces in the wood and furniture industry due to 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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Prices exclude VAT. Recommended prices.

# Wide belts with paper backing

Coated abrasives



**CEVOLUTION**

Abrasive paper

## PS 61 F CEVOLUTION



### 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 - The PS 61 F includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Abrasive paper, KULEX

## PS 729 F



### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Coating	Close
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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 9.**

Prices exclude VAT. Recommended prices.

# Wide belts with cloth backing

Coated abrasives

Abrasive cloth

## CS 308 Y



### Properties

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

### Applications:

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

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth

## CS 310 X



### Properties

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

### Applications:

Metals	●	Plastic	⦿
Steel	●		
Stainless steel	●		
Wood	⦿		

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

# Wide belts with cloth backing

Coated abrasives



Abrasive cloth ANTISTATIC

## CS 311 Y ACT



### Properties

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

### Applications:

Wood	●
Metals	○

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

# Wide belts with cloth backing

Coated abrasives

Abrasive cloth, KULEX

## CS 326 Y



### Properties

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

### Applications:

Stainless steel	●
Steel	●



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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth, KULEX

## CS 329 Y



### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Coating	Close
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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.



# Wide belts with cloth backing

Coated abrasives



Abrasive cloth, multibond

## CS 409 Y



### Properties

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

### Applications:

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

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth, waterproof

## CS 411 Y



### Properties

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

### Applications:

Steel	●
Stainless steel	●
Metals	●

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

## Wide belts with cloth backing

Coated abrasives

Abrasive cloth, waterproof

### CS 412 Y



#### Properties

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

#### Applications:

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

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth ANTISTATIC

### CS 538 Z ACT



#### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	Z-polyester

#### Applications:

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

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

# Wide belts with cloth backing

Coated abrasives



Abrasive cloth, waterproof

## CS 729 X



### Properties

Bonding agent	Resin
Grain	Al. oxide agglom.
Coating	Close
Backing	X-cotton

### Applications:

Stainless steel	●
Steel	●

**Advantages:** Long life abrasive belt for wet and dry sanding with exceptionally long service life - For a satin surface scratch pattern with uniform surface quality - Specially developed for coil and sheet grinding with medium tool pressure - Easy handling during abrasive belt changes thanks to tear-resistant and semi-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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Abrasive cloth

## CS 911 X



**NEW !**



### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close
Backing	Cotton/polyester

### Applications:

Stainless steel	●
Steel	●
Hardwood	●
NF metals	ⓘ

**Advantages:** Self-sharpening ceramic grit for coarse and intermediate grinding in the steel and stainless steel processing industry and for hardwood 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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

# Wide belts with cloth backing

Coated abrasives

Abrasive cloth, multibond

## CS 913 X



**NEW** !



### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close
Backing	Cotton/polyester

### Applications:

Stainless steel	●
High alloy steel	●
NF metals	●

**Advantages:** Continuously aggressive grinding behaviour - Long service life due to self-sharpening ceramic grit - The additional multibond provides a "cool grinding" in the processing of stainless steel and thus tempering colours are avoided - No premature 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 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

**CEVOLUTION**

Abrasive cloth, multibond

## CS 920 Y ACT CEVOLUTION



### Properties

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

### Applications:

Stainless steel	●
High alloy steel	●

**Advantages:** Special product with Advanced Coating-Technology (ACT) - Excellent grit adhesion - Highly tear-resistant polyester backing and self sharpening ceramic grain for rough, and intermediate grinding of stainless steel and high alloyed steel at high loads - Higher service life and cool grinding due to special coating with active multibond - The CS 920 Y includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.

# Wide belts with cloth backing

Coated abrasives



**CEVOLUTION**

Abrasive cloth, waterproof

## CS 922 Y ACT CEVOLUTION



### Properties

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

### Applications:

Stainless steel	●
Steel	●



**Advantages:** Continuously aggressive grinding behaviour - Long service life due to self-sharpening ceramic grit - Very high grain adhesion thanks to Advanced Coating Technology and highly tear-resistant polyester backing - The CS 922 Y includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

### Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request. **All available grits see page 11.**

Prices exclude VAT. Recommended prices.





# 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>72</b>
	<b>FS 764 ACT</b>	Aluminium oxide	Fibre	●	Abrasive fibre disc for processing steel and non-ferrous metals. High aggressiveness and long service life due to new Advanced Coating Technology	available on request
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>73</b>
	<b>FS 964 ACT</b>	Ceramic aluminium oxide	Fibre	●	Premium fibre disc with microcrystalline, self-sharpening ceramic grit delivering superior aggressiveness and removal on construction steel and high-alloy steels. Outstanding grit adhesion and service life thanks to Advanced Coating Technology	<b>75</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>74</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>76</b>

● = close   ● = semi-open   ○ = open

Technical information about the backing pad

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



### The safe use of Klingspor abrasives

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



Wear safety goggles or glasses to protect the eyes



Wear a dust mask



Use ear muffs



Only permitted with a backing pad



Wear safety gloves to protect hands



Observe safety instructions



Do not use for wet grinding



Do not use if damaged

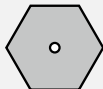
Hole pattern for fibre discs



10 = round hole



30 = star shaped hole



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

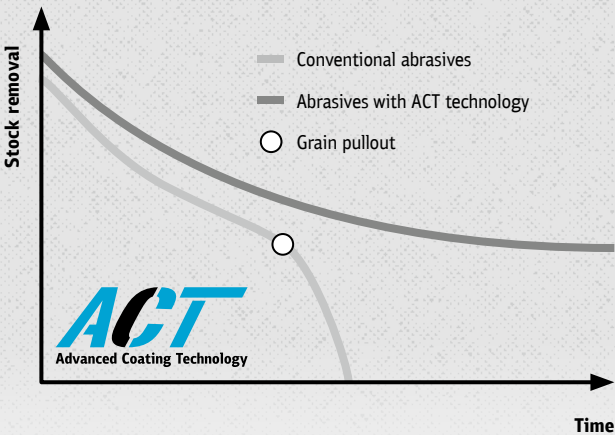


Minimum order quantities for made to order items



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

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



ACT-Advanced Coating Technology:

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



# Fibre discs

## Coated abrasives

Abrasive fibre disc

### CS 561



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

#### Applications:

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



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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
100 x 16	16	⊙ 10	25	65708	2.685,36 ZAR	8
100 x 16	24	⊙ 10	25	65713	2.172,43 ZAR	8
100 x 16	36	⊙ 10	25	65718	2.021,56 ZAR	8
100 x 16	60	⊙ 10	25	65730	1.553,91 ZAR	8
100 x 16	80	⊙ 10	25	65735	1.508,63 ZAR	8
100 x 16	100	⊙ 10	25	65739	1.508,63 ZAR	8
115 x 22	24	⊙ 10	25	72298	2.552,61 ZAR	8
115 x 22	36	⊙ 10	25	66308	2.375,33 ZAR	8
115 x 22	60	⊙ 10	25	66318	1.825,83 ZAR	8
115 x 22	80	⊙ 10	25	25472	1.772,65 ZAR	8
115 x 22	16	⊗ 30	25	10977	3.155,29 ZAR	8
115 x 22	24	⊗ 30	25	10978	2.552,61 ZAR	8
115 x 22	36	⊗ 30	25	10980	2.375,33 ZAR	8
115 x 22	40	⊗ 30	25	10981	2.109,43 ZAR	8
115 x 22	60	⊗ 30	25	10983	1.825,83 ZAR	8
115 x 22	80	⊗ 30	25	10984	1.772,65 ZAR	8
115 x 22	100	⊗ 30	25	10985	1.772,65 ZAR	8
115 x 22	120	⊗ 30	25	10986	1.772,65 ZAR	8
125 x 22	16	⊗ 30	25	11009	3.692,37 ZAR	8
125 x 22	24	⊗ 30	25	11010	2.987,08 ZAR	8
125 x 22	36	⊗ 30	25	11012	2.779,66 ZAR	8
125 x 22	60	⊗ 30	25	11015	2.136,59 ZAR	8
125 x 22	80	⊗ 30	25	11016	2.074,37 ZAR	8
125 x 22	100	⊗ 30	25	11017	2.074,37 ZAR	8
125 x 22	120	⊗ 30	25	11018	2.074,37 ZAR	8
150 x 22	100	⊙ 10	25	312255	2.828,69 ZAR	8
150 x 22	120	⊙ 10	25	312256	2.828,69 ZAR	8
180 x 22	36	⊙ 10	25	66459	5.053,92 ZAR	8
180 x 22	80	⊙ 10	25	184517	3.771,57 ZAR	8
180 x 22	16	⊗ 30	25	11057	6.713,42 ZAR	8
180 x 22	24	⊗ 30	25	11058	5.431,06 ZAR	8
180 x 22	36	⊗ 30	25	11060	5.053,92 ZAR	8
180 x 22	50	⊗ 30	25	11062	4.261,87 ZAR	8
180 x 22	60	⊗ 30	25	11063	3.884,73 ZAR	8

Prices exclude VAT. Recommended prices.

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	Price/100 pieces ZAR	Discount group
180 x 22	80	⊗ 30	25	11064	3.771,57 ZAR	8
180 x 22	100	⊗ 30	25	11065	3.771,57 ZAR	8
180 x 22	120	⊗ 30	25	11066	3.771,57 ZAR	8
235 x 22	120	⊙ 10	25	66520	6.788,83 ZAR	8

Backing pads see page 77.

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
115 x 22	24	⊗ 30	25	95335	3.387,64 ZAR	8
115 x 22	36	⊗ 30	25	6686	3.145,65 ZAR	8
115 x 22	40	⊗ 30	25	242801	2.879,48 ZAR	8
115 x 22	50	⊗ 30	25	92066	2.734,32 ZAR	8
115 x 22	60	⊗ 30	25	6687	2.492,33 ZAR	8
115 x 22	80	⊗ 30	25	6688	2.419,73 ZAR	8
115 x 22	100	⊗ 30	25	204609	2.419,73 ZAR	8
125 x 22	40	⊗ 30	25	242803	3.369,62 ZAR	8
180 x 22	24	⊗ 30	25	95993	7.207,74 ZAR	8
180 x 22	36	⊗ 30	25	65703	6.692,89 ZAR	8
180 x 22	40	⊗ 30	25	242807	6.126,59 ZAR	8
180 x 22	50	⊗ 30	25	93045	5.817,70 ZAR	8
180 x 22	60	⊗ 30	25	6690	5.302,85 ZAR	8
180 x 22	80	⊗ 30	25	6691	5.148,39 ZAR	8

Backing pads see page 77.

Prices exclude VAT. Recommended prices.

# Fibre discs

## Coated abrasives

Abrasive fibre disc, multibond

### CS 570



#### Properties

Bonding agent	Resin
Grain	Zirconia alumina
Coating	Close

#### Applications:

Stainless steel	●
Aluminium	●
NF metals	●

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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
115 x 22	36	⊕ 30	25	204086	3.405,21 ZAR	8
115 x 22	50	⊕ 30	25	204087	2.871,54 ZAR	8
115 x 22	60	⊕ 30	25	204088	2.617,42 ZAR	8
115 x 22	80	⊕ 30	25	204089	2.541,19 ZAR	8
115 x 22	100	⊕ 30	25	204090	2.541,19 ZAR	8
115 x 22	120	⊕ 30	25	204091	2.541,19 ZAR	8
125 x 22	36	⊖ 10	25	204806	3.984,82 ZAR	8
180 x 22	24	⊖ 10	25	204815	7.731,74 ZAR	8
180 x 22	36	⊕ 30	25	204100	7.245,13 ZAR	8
180 x 22	50	⊕ 30	25	204101	6.109,68 ZAR	8
180 x 22	60	⊕ 30	25	204102	5.569,03 ZAR	8
180 x 22	80	⊕ 30	25	204103	5.406,81 ZAR	8

Backing pads see page 77.

Prices exclude VAT. Recommended prices.

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
115 x 22	24	⊗ 30	25	330478	6.053,14 ZAR	8
115 x 22	36	⊗ 30	25	330498	5.320,57 ZAR	8
115 x 22	40	⊗ 30	25	330482	4.819,36 ZAR	8
115 x 22	50	⊗ 30	25	330480	4.472,36 ZAR	8
115 x 22	60	⊗ 30	25	330479	4.163,95 ZAR	8
115 x 22	80	⊗ 30	25	330481	3.855,50 ZAR	8
125 x 22	24	⊗ 30	25	330484	7.083,46 ZAR	8
125 x 22	36	⊗ 30	25	330485	6.226,20 ZAR	8
125 x 22	40	⊗ 30	25	330486	5.639,68 ZAR	8
125 x 22	50	⊗ 30	25	330488	5.233,64 ZAR	8
125 x 22	60	⊗ 30	25	330487	4.872,70 ZAR	8
125 x 22	80	⊗ 30	25	330490	4.511,76 ZAR	8
125 x 22	120	⊗ 30	25	330491	4.511,76 ZAR	8
180 x 22	24	⊗ 30	25	330489	12.878,99 ZAR	8
180 x 22	36	⊗ 30	25	330492	11.320,38 ZAR	8
180 x 22	40	⊗ 30	25	330493	10.253,96 ZAR	8
180 x 22	50	⊗ 30	25	330494	9.515,69 ZAR	8
180 x 22	60	⊗ 30	25	330495	8.859,43 ZAR	8
180 x 22	80	⊗ 30	25	330496	8.203,18 ZAR	8
180 x 22	120	⊗ 30	25	330497	8.203,18 ZAR	8

Backing pads see page 77.

Prices exclude VAT. Recommended prices.

# Fibre discs

## Coated abrasives

Abrasive fibre disc, multibond

### FS 966 ACT



#### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close

#### Applications:

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

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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
115 x 22	36	⊗ 30	25	316490	5.784,10 ZAR	8
115 x 22	40	⊗ 30	25	316491	5.239,22 ZAR	8
115 x 22	60	⊗ 30	25	316492	4.526,69 ZAR	8
115 x 22	80	⊗ 30	25	316493	4.191,37 ZAR	8
115 x 22	120	⊗ 30	25	324237	4.191,37 ZAR	8
125 x 22	40	⊗ 30	25	316495	6.131,00 ZAR	8
125 x 22	50	⊗ 30	25	318655	5.689,56 ZAR	8
125 x 22	60	⊗ 30	25	316496	5.297,16 ZAR	8
125 x 22	80	⊗ 30	25	316497	4.904,79 ZAR	8
180 x 22	36	⊗ 30	25	316498	12.306,58 ZAR	8
180 x 22	40	⊗ 30	25	316499	11.147,28 ZAR	8
180 x 22	50	⊗ 30	25	316500	10.344,64 ZAR	8
180 x 22	60	⊗ 30	25	316501	9.631,23 ZAR	8
180 x 22	80	⊗ 30	25	316502	8.917,81 ZAR	8
180 x 22	120	⊗ 30	25	324238	8.917,81 ZAR	8

Backing pads see page 77.

Prices exclude VAT. Recommended prices.

Backing pad, plain/flexible

## 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	Price/piece ZAR	Discount group
100	thread M10	Diameter 100 x 16	80 m/s	15300 rpm	1	305190	<b>201,07 ZAR</b>	14
115	thread M14	Diameter 115 x 22	80 m/s	13300 rpm	1	14838	<b>210,84 ZAR</b>	14
125	thread M14	Diameter 125 x 22	80 m/s	12200 rpm	1	14835	<b>277,73 ZAR</b>	14
150	thread M14	Diameter 150 x 22	80 m/s	12000 rpm	1	14836	<b>306,48 ZAR</b>	14
180	thread M14	Diameter 180 x 22	80 m/s	8500 rpm	1	14840	<b>574,65 ZAR</b>	14

Backing pad, ribbed/hard

## 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	Price/piece ZAR	Discount group
115	thread M14	Diameter 115 x 22	80 m/s	13300 rpm	1	126346	<b>287,28 ZAR</b>	14
125	thread M14	Diameter 125 x 22	80 m/s	12200 rpm	1	126347	<b>349,55 ZAR</b>	14
180	thread M14	Diameter 180 x 22	80 m/s	8500 rpm	1	126348	<b>632,05 ZAR</b>	14

Prices exclude VAT. Recommended prices.







# 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		Non-woven web hand pad, suited to deburring, cleaning and surface finishing	<b>159</b>
	<b>NDS 800</b>	Aluminium oxide	Surface conditioning material		Premium surface conditioning disc with extra strong edges for demanding applications. Suited to rough cleaning work, deburring and working on weld seams	<b>160</b>
	<b>SV 484</b>	Aluminium oxide	Surface conditioning material		Standard surface conditioning 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>105</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>110</b>
	<b>NDS 400 K</b>	Aluminium oxide / SiC	Non-woven web with self-fastening		Non-woven disc for work on ultra-fine surfaces. The velour back lining makes the disc suitable for use on self-fastening backing pads	available on request
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>97</b>
	<b>KL 371 X</b>	Aluminium oxide	X-cotton	●	Economical universal product for surface grinding in metal processing	<b>96</b>
	<b>KL 385 JF</b>	Aluminium oxide	JF-cotton	●	Highly flexible universal product for the metal processing industry, good price-performance ratio	available on request
	<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	available on request
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	available on request
	<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>92, 105, 106</b>
	<b>PS 30 D</b>	Aluminium oxide	D-paper	⦿	Economical abrasive paper for versatile applications in the processing of wood and paint	available on request
	<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>104</b>
	<b>PL 16 E</b>	Aluminium oxide	E-paper	●	Universal product for hand sanding or machine sanding of wood and other materials	<b>92</b>
	<b>PL 28 C</b>	Aluminium oxide	C-paper	●	Universal product suitable for hand sanding or power-tool grinding of wood and other materials	<b>88</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>88</b>
	<b>SW 501 TR</b>	Aluminium oxide	Sponge	●	Highly flexible abrasive sponge, coated on 2 sides, for hand sanding of profiles and contours, extremely resistant to creasing and tearing, washable and reusable, solvent-free bonding system with a colour scheme that varies with the grit size	<b>99</b>

● = close   ⦿ = semi-open   ○ = open

### Cloth

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

### Paper

A	approx. 95 g/m <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	ca. 400 g/m <sup>2</sup>

### 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>PS 33 B</b>	Aluminium oxide	B-paper	●	High quality abrasive paper, especially suited for paint, varnish and filler	90
	<b>PS 33 BK</b>	Aluminium oxide	B-paper	●	High quality abrasive paper for outstanding results - especially on paint, varnish and filler	93, 109
	<b>PS 33 C</b>	Aluminium oxide	C-paper	●	High quality abrasive paper, especially suited for paint, varnish and filler	89
	<b>PS 33 CK</b>	Aluminium oxide	C-paper	●	High quality abrasive paper for outstanding results - especially on paint, varnish and filler	93, 108
	<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	90
	<b>PS 73 BWK</b>	Aluminium oxide	B-paper	●	High quality sanding disc for outstanding results - especially on paint, varnish and filler - with a long service life thanks to added active agent coating	112
	<b>PS 73 CWK</b>	Aluminium oxide	C-paper	●	High quality sanding disc for outstanding results - especially on paint, varnish and filler - with a long service life thanks to added active agent coating	112
	<b>PS 77 CK T-ACT</b>	Aluminium oxide	C-paper	●	High performance abrasive paper with new innovative coating technology that prevents premature clogging during the sanding of strongly adhesive materials. Coarse and intermediate sanding with premium latex C-paper	94, 115
	<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	104
	<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	111
	<b>FP 77 K T-ACT</b>	Aluminium oxide	Film	●	High performance abrasive paper with new innovative coating technology that prevents premature clogging during the sanding of strongly adhesive materials. Fine and finish sanding with an exceptionally level and tear resistant film backing	94, 114
	<b>PL 28 C</b>	Aluminium oxide	C-paper	●	Universal product suitable for hand sanding or power-tool grinding of wood and other materials	88
	<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	87
	<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	86
	<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	85
	<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	85
	<b>NPA 500</b>		Non-woven web		Non-woven web hand pad, excellently suited to deburring, cleaning and surface finishing	159
	<b>FD 500</b>	Aluminium oxide / SiC	Foam core		Foam-coated disc for finishing. Superior flexibility and adaptability on contours and profiles	117
	<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 finishing	98
	<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	98
Composites, gel coats, paints and coatings, plaster and plasterboard, wood fillers and varnish	<b>SW 501</b>	Aluminium oxide	Sponge	●	Highly flexible hand finishing tool. Abrasive sponge coated on two sides with plastic foam core. Resistant to creases and breaks, can be washed and reused. Suitable for dry and wet finishing	available on request
	<b>SW 501 TR</b>	Aluminium oxide	Sponge	●	Extremely tear resistant version of the abrasive sponge SW 501. Extra long service life, solvent-free bonding system with a colour scheme that varies with the grit size	99
	<b>SW 502</b>	SiC	Sponge	●	Structure like SW 501, though with more aggressive SiC grit	100
	<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	100
	<b>AN 400</b>	Aluminium oxide	Abrasive screen	●	Effective high extraction dust removal thanks to open grid structure	95, 116

● = close    ● = semi-open    ○ = open

## Minimum order quantities for made to order items

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

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

Other sizes available on request.

## Strips/Sheets

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

## Hole patterns for strips

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

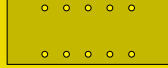
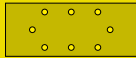
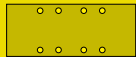
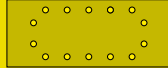
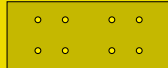
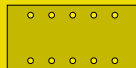
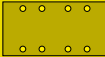

You will find the available hole patterns marked in the tables on the following product pages.

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

Other hole patterns available on request.

## Discs

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

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



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

# Strips/Sheets/Discs

## Applications guide

## Klingspor strips for every tool

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

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

Continuation →



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

Continuation →

# Strips/Sheets/Discs

## Applications guide

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

# Sheets with paper backing

Coated abrasives



Abrasive paper, waterproof

## PS 8 C



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

### Applications:

Paint/Varnish/Filler	●
Plastic	●
Glass/Stone	⓪
Metals	⓪

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	80	50	269429	1.903,67 ZAR	5
230 x 280	100	50	269435	1.682,14 ZAR	5
230 x 280	120	50	269444	1.472,38 ZAR	5
230 x 280	150	50	269448	1.390,77 ZAR	5

Abrasive paper, waterproof

## PS 8 A



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

### Applications:

Paint/Varnish/Filler	●
Plastic	●
Glass/Stone	⓪
Metals	⓪

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	180	50	269269	1.317,21 ZAR	5
230 x 280	220	50	269275	1.317,21 ZAR	5
230 x 280	280	50	269285	1.317,21 ZAR	5
230 x 280	320	50	269289	1.317,21 ZAR	5
230 x 280	360	50	269294	1.317,21 ZAR	5
230 x 280	400	50	269299	1.317,21 ZAR	5
230 x 280	600	50	269314	1.317,21 ZAR	5
230 x 280	800	50	269323	1.399,31 ZAR	5
230 x 280	1000	50	269328	1.399,31 ZAR	5

Prices exclude VAT. Recommended prices.

Continuation →

# Sheets with paper backing

## Coated abrasives

→ Continuation of PS 8 A, Abrasive paper, waterproof

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	1200	50	269334	<b>1.399,31 ZAR</b>	5
230 x 280	1500	50	269340	<b>1.399,31 ZAR</b>	5
230 x 280	2000	50	269344	<b>1.399,31 ZAR</b>	5
230 x 280	2500	50	269352	<b>1.399,31 ZAR</b>	5

Abrasive paper, waterproof

### PS 11 C



#### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

#### Applications:

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

**Advantages:** Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Wet and dry sanding

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	60	50	2022	<b>2.489,23 ZAR</b>	5
230 x 280	80	50	2023	<b>2.167,54 ZAR</b>	5
230 x 280	100	50	2117	<b>1.912,90 ZAR</b>	5
230 x 280	120	50	2116	<b>1.671,62 ZAR</b>	5
230 x 280	150	50	2011	<b>1.577,77 ZAR</b>	5
230 x 280	180	50	2012	<b>1.483,97 ZAR</b>	5
230 x 280	320	50	2016	<b>1.483,97 ZAR</b>	5
230 x 280	360	50	2017	<b>1.483,97 ZAR</b>	5

Prices exclude VAT. Recommended prices.

# Sheets with paper backing

Coated abrasives



Abrasive paper, waterproof

## PS 11 A



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

### Applications:

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

**Advantages:** Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Wet and dry sanding

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	220	50	2002	1.483,92 ZAR	5
230 x 280	240	50	2003	1.483,92 ZAR	5
230 x 280	320	50	2005	1.483,92 ZAR	5
230 x 280	360	50	2006	1.483,92 ZAR	5
230 x 280	400	50	2007	1.483,92 ZAR	5
230 x 280	500	50	2008	1.483,92 ZAR	5
230 x 280	600	50	2009	1.483,92 ZAR	5
230 x 280	800	50	2010	1.577,71 ZAR	5
230 x 280	1000	50	11892	1.577,71 ZAR	5
230 x 280	1200	50	6616	1.577,71 ZAR	5
230 x 280	1500	50	186794	1.577,71 ZAR	5
230 x 280	2000	50	186795	1.577,71 ZAR	5

Prices exclude VAT. Recommended prices.



# Sheets with paper backing

Coated abrasives

Abrasive paper

## PL 28 C



### Properties

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

### Applications:

Wood	●
Paint/Varnish/Filler	●

**Advantages:** Universal product suitable for hand sanding or power-tool grinding of wood and other materials

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	40	50	269218	1.419,20 ZAR	5
230 x 280	60	50	269221	1.149,57 ZAR	5
230 x 280	80	50	269224	1.022,73 ZAR	5
230 x 280	100	50	269226	943,45 ZAR	5
230 x 280	120	50	269230	943,45 ZAR	5
230 x 280	150	50	269235	943,45 ZAR	5
230 x 280	180	50	269237	943,45 ZAR	5
230 x 280	220	50	269239	951,38 ZAR	5

Finishing paper

## PL 31 B



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	○

**Advantages:** Product with optimal price-performance ratio - 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	40	50	2059	2.073,56 ZAR	5
230 x 280	60	50	2061	1.656,34 ZAR	5
230 x 280	80	50	2062	1.459,97 ZAR	5
230 x 280	100	50	2048	1.337,21 ZAR	5
230 x 280	120	50	2049	1.337,21 ZAR	5

Prices exclude VAT. Recommended prices.

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	Price/100 pieces ZAR	Discount group
230 x 280	150	50	2050	<b>1.337,21 ZAR</b>	5
230 x 280	180	50	2051	<b>1.337,21 ZAR</b>	5
230 x 280	220	50	2052	<b>1.349,44 ZAR</b>	5
230 x 280	240	50	2053	<b>1.349,44 ZAR</b>	5
230 x 280	280	50	2054	<b>1.349,44 ZAR</b>	5
230 x 280	320	50	2055	<b>1.349,44 ZAR</b>	5
230 x 280	400	50	2057	<b>1.349,44 ZAR</b>	5

Abrasive paper

## PS 33 C



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	ⓘ

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	40	50	147849	<b>2.425,78 ZAR</b>	5
230 x 280	60	50	147850	<b>1.919,35 ZAR</b>	5
230 x 280	80	50	147851	<b>1.681,00 ZAR</b>	5
230 x 280	100	50	149719	<b>1.532,07 ZAR</b>	5
230 x 280	120	50	147852	<b>1.532,07 ZAR</b>	5

Prices exclude VAT. Recommended prices.

# 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	150	50	149528	<b>1.531,79 ZAR</b>	5
230 x 280	180	50	147853	<b>1.531,79 ZAR</b>	5
230 x 280	220	50	149529	<b>1.546,73 ZAR</b>	5
230 x 280	240	50	147854	<b>1.546,73 ZAR</b>	5
230 x 280	280	50	149793	<b>1.546,73 ZAR</b>	5
230 x 280	320	50	149530	<b>1.546,73 ZAR</b>	5
230 x 280	400	50	148971	<b>1.546,73 ZAR</b>	5
230 x 280	500	50	170667	<b>1.546,73 ZAR</b>	5
230 x 280	600	50	170668	<b>1.546,73 ZAR</b>	5

Abrasive paper, actively coated

### PS 73 BW



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Plastic	●

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	150	50	301196	<b>1.852,67 ZAR</b>	5
230 x 280	180	50	301197	<b>1.852,67 ZAR</b>	5
230 x 280	220	50	301198	<b>1.871,16 ZAR</b>	5
230 x 280	280	50	301200	<b>1.871,16 ZAR</b>	5

Prices exclude VAT. Recommended prices.

Continuation →

# Sheets with paper backing

Coated abrasives



→ Continuation of PS 73 BW, Abrasive paper, actively coated

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	320	50	301201	<b>1.871,16 ZAR</b>	5
230 x 280	400	50	301202	<b>1.871,16 ZAR</b>	5
230 x 280	600	50	301204	<b>1.871,16 ZAR</b>	5
230 x 280	800	50	308410	<b>1.871,16 ZAR</b>	5
230 x 280	1200	50	311188	<b>1.871,16 ZAR</b>	5

Prices exclude VAT. Recommended prices.

# Strips with paper backing

Coated abrasives

Abrasive paper

## PL 16 E



### Properties

Bonding agent	Glue/resin
Grain	Aluminium oxide
Coating	Close
Backing	E-paper

### Applications:

Paint/Varnish/Filler	●
Wood	●

**Advantages:** Universal product suitable for hand sanding or power tool grinding of wood and other materials

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
300 x 1000	40	GL 0	45	307500	4.923,00 ZAR	5
300 x 1000	60	GL 0	45	307501	3.904,00 ZAR	5
300 x 1000	80	GL 0	45	307502	3.424,00 ZAR	5
300 x 1000	100	GL 0	45	307503	3.124,00 ZAR	5

Abrasive paper, self-fastening

## PS 22 K



### Properties

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

### Applications:

Wood	●	Steel	①
Metals	●		
Paint/Varnish/Filler	①		
Plastic	①		

**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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
70 x 125	80	GL 0	100	140608	1.191,00 ZAR	7

Prices exclude VAT. Recommended prices.



# Strips with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

## PS 33 CK



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
70 x 125	120	□ GL 0	100	151785	1.061,00 ZAR	7
80 x 133	40	□ GL 18	100	146974	1.896,00 ZAR	7
93 x 178	80	□ GL 17	100	146972	1.825,00 ZAR	7
100 x 115	80	□ GL 0	100	147101	1.333,00 ZAR	7
115 x 230	40	□ GL 15	100	146966	3.656,00 ZAR	7
115 x 230	60	□ GL 15	100	146967	2.983,00 ZAR	7
115 x 230	80	□ GL 15	100	146968	2.666,00 ZAR	7
115 x 230	100	□ GL 15	100	146969	2.468,00 ZAR	7

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:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
70 x 125	220	□ GL 0	100	155500	1.076,00 ZAR	7
70 x 125	320	□ GL 0	100	156004	1.076,00 ZAR	7

Prices exclude VAT. Recommended prices.

# Strips with paper backing, self-fastening

Coated abrasives

Abrasive film, self-fastening, waterproof

## FP 77 K T-ACT



### Properties

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

### Applications:

Paint/Varnish/Filler	●	Composite materials	●
Primer	●	Plastic	●
Filler	●		
Gel coats	●		

**Advantages:** New high-performance product with optimized clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For fine sanding in the fine grit range 240 - 2000, a highly flexible and completely flat film backing is used for highest surface quality

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request

Abrasive paper, self-fastening

## PS 77 CK T-ACT



### Properties

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

### Applications:

Paint/Varnish/Filler	●	Composite materials	●
Primer	●	Plastic	●
Filler	●		
Gel coats	●		

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request

Prices exclude VAT. Recommended prices.

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
70 x 125	320	 Screen	50	340159	2.083,31 ZAR	5
70 x 200	80	 Screen	50	340146	3.273,50 ZAR	5
70 x 200	120	 Screen	50	340147	2.960,17 ZAR	5
70 x 200	150	 Screen	50	340148	2.960,17 ZAR	5
70 x 200	180	 Screen	50	340158	2.960,17 ZAR	5
70 x 200	240	 Screen	50	340153	2.960,17 ZAR	5
70 x 200	320	 Screen	50	340157	2.960,17 ZAR	5
70 x 200	400	 Screen	50	340152	2.960,17 ZAR	5
70 x 420	80	 Screen	50	340151	6.773,63 ZAR	5
70 x 420	100	 Screen	50	340145	6.114,94 ZAR	5
70 x 420	120	 Screen	50	340165	6.114,94 ZAR	5
70 x 420	150	 Screen	50	340150	6.114,94 ZAR	5
70 x 420	180	 Screen	50	340149	6.114,94 ZAR	5
70 x 420	240	 Screen	50	340156	6.114,94 ZAR	5
70 x 420	320	 Screen	50	340155	6.114,94 ZAR	5
70 x 420	400	 Screen	50	340154	6.114,94 ZAR	5
80 x 133	80	 Screen	50	337892	2.702,21 ZAR	5
80 x 133	100	 Screen	50	337891	2.463,90 ZAR	5
80 x 133	120	 Screen	50	337890	2.463,90 ZAR	5
80 x 133	150	 Screen	50	337894	2.463,90 ZAR	5
80 x 133	180	 Screen	50	337889	2.463,90 ZAR	5
80 x 133	240	 Screen	50	337893	2.463,90 ZAR	5
80 x 133	320	 Screen	50	337895	2.463,90 ZAR	5
80 x 133	400	 Screen	50	337896	2.463,90 ZAR	5

Prices exclude VAT. Recommended prices.

# Hand block / Sheets with cloth backing

Coated abrasives

Hand block, self fastening

## HK 100



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

Width x Length x Height in mm	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
68 x 118 x 40	1	185320	266,68 ZAR	14

Abrasive cloth

## 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
230 x 280	40	50	2100	3.384,77 ZAR	6
230 x 280	50	50	2101	3.173,61 ZAR	6
230 x 280	60	50	2102	2.985,98 ZAR	6
230 x 280	80	50	2103	2.798,29 ZAR	6
230 x 280	100	50	2104	2.681,01 ZAR	6
230 x 280	120	50	2105	2.681,01 ZAR	6
230 x 280	150	50	2106	2.681,01 ZAR	6
230 x 280	180	50	2107	2.681,01 ZAR	6
230 x 280	220	50	2108	2.704,41 ZAR	6
230 x 280	240	50	2109	2.704,41 ZAR	6
230 x 280	320	50	119886	2.704,41 ZAR	6
230 x 280	400	50	119888	2.704,41 ZAR	6

Prices exclude VAT. Recommended prices.

# 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
115 x 280	80	GL 0	100	72227	2.339,00 ZAR	6

Prices exclude VAT. Recommended prices.

## Abrasive block

Abrasive block, flexible, coated on 4 sides, waterproof

### SK 500



#### Properties

Grain	Aluminium oxide
Coating	Close

#### Applications:

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

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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
70 x 100 x 25	60	hard	brown	grey	100	125279	<b>32,13 ZAR</b>	5
70 x 100 x 25	60	hard	brown	grey	16	284225	<b>32,13 ZAR</b>	5
70 x 100 x 25	80	hard	brown	grey	100	225165	<b>32,13 ZAR</b>	5
70 x 100 x 25	80	hard	brown	grey	16	283708	<b>32,13 ZAR</b>	5
70 x 100 x 25	100	hard	brown	grey	100	125280	<b>32,13 ZAR</b>	5
70 x 100 x 25	100	hard	brown	grey	16	283710	<b>32,13 ZAR</b>	5

Abrasive block, flexible, coated on 4 sides, waterproof

### SK 700 A



#### Properties

Grain	Aluminium oxide
Coating	Close

#### Applications:

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

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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
89 x 125 x 25	60	hard	brown	grey	100	337846	<b>52,54 ZAR</b>	5
89 x 125 x 25	60	hard	brown	grey	16	359567	<b>52,54 ZAR</b>	5
89 x 125 x 25	80	hard	brown	grey	100	337847	<b>52,54 ZAR</b>	5
89 x 125 x 25	80	hard	brown	grey	16	359578	<b>52,54 ZAR</b>	5

Prices exclude VAT. Recommended prices.

Continuation →



# Abrasive block / Abrasive sponge



→ Continuation of SK 700 A, Abrasive block, flexible, coated on 4 sides, waterproof

Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
89 x 125 x 25	100	hard	brown	grey	100	337848	<b>52,54 ZAR</b>	5
89 x 125 x 25	100	hard	brown	grey	16	359573	<b>52,54 ZAR</b>	5
89 x 125 x 25	120	hard	brown	grey	100	331019	<b>52,54 ZAR</b>	5
89 x 125 x 25	120	hard	brown	grey	16	359576	<b>52,54 ZAR</b>	5

Abrasive sponge, flexible, coated on 2 sides,  
tear-resistant, waterproof

## SW 501 TR



### Properties

Grain	Aluminium oxide
Coating	Close

### Applications:

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

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
96 x 123 x 12,5	100	soft	light brown	yellow	100	351573	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	100	soft	light brown	yellow	20	359802	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	120	soft	green	yellow	100	353264	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	120	soft	green	yellow	20	359801	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	150	soft	red	yellow	100	353263	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	150	soft	red	yellow	20	359800	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	180	soft	blue	yellow	100	351574	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	180	soft	blue	yellow	20	359798	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	220	soft	brown	yellow	100	353262	<b>22,14 ZAR</b>	5
96 x 123 x 12,5	220	soft	brown	yellow	20	359799	<b>22,14 ZAR</b>	5

Prices exclude VAT. Recommended prices.

# Abrasive sponge

Abrasive sponge, flexible, coated on 2 sides, waterproof

## SW 502



### Properties

Grain	SiC
Coating	Close

### Applications:

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

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Width x Length x Height in mm						Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group													
96 x 123 x 12,5						120	soft	black	yellow	100	244377	29,49 ZAR	5													

Abrasive sponge, flexible, coated on 1 side, waterproof

## SW 510



### Properties

Grain	Aluminium oxide
Coating	Close

### Applications:

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

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

### Available grits:

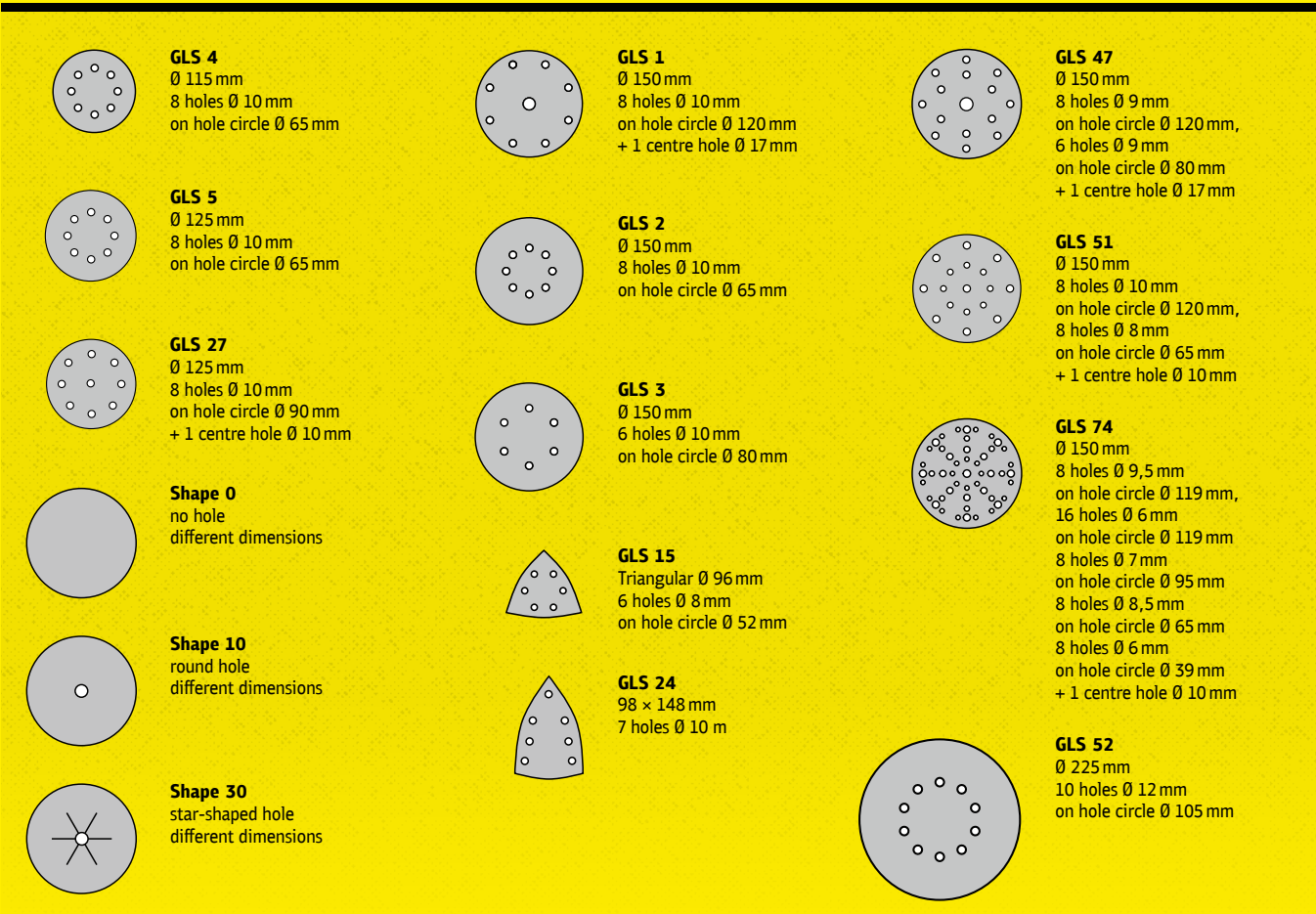
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Width x Length x Height in mm			Grit	Density	Grit color	Foam color	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group																
115 x 140 x 4,8			120	hard	black	grey	30	312682	17,95 ZAR	5																
115 x 140 x 4,8			180	hard	black	grey	30	312683	17,95 ZAR	5																
115 x 140 x 4,8			280	hard	black	grey	30	312684	24,20 ZAR	5																
115 x 140 x 4,8			400	hard	black	grey	30	312685	28,02 ZAR	5																
115 x 140 x 4,8			600	hard	black	grey	30	312686	28,02 ZAR	5																
115 x 140 x 5			180	hard	white	grey	100	303589	17,95 ZAR	5																
115 x 140 x 5			280	hard	white	grey	100	303591	17,95 ZAR	5																

Prices exclude VAT. Recommended prices.



Hole patterns for discs

Klingspor offers a wide range of products with hole patterns for dust extraction.  
You will find the available hole patterns marked in the table below.  
The chart on the following product pages shows the most popular types of machines and the required hole pattern.



Other hole patterns available on request.

Minimum order quantities for made to order items

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

Maximum disc diameter

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



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

### Orbital and delta sanders

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

Manufacturer	Type	Size in mm	Hole pattern
Festool	RO 90 DX FEQ-Plus	90	GLS 41
	DS 400, DTS 400	98 × 148	GLS 24
	DX 93	94 × 94 × 94	GLS 16
	ES 125, ES 125 E, ES 125 E-PLUS, ES 125 PLUS	125	GLS 5
	ES 125 EQ-Plus; ES 125 EQ, ES 125 Q-Plus, ES 125 Q, ETS 125, LEX 2 125/3, LEX 1 125/7, LEX 3 125/3, LEX 3 125/5	125	GLS 27
	RO 125 FEQ-Plus	125	GLS 27
	ET 2 E	150	GLS 2
	ET 2 E - Plus, RO 150, RO 150 E, RO 2 E-Plus, LEX 3 150/3, LEX 150, ETS 150/3, ETS 150/5, WTS 150/7 E, WTS 150/7 E-Plus, ETS 150/5 EQ, ETS 150/5 EQ-E, ETS 150/5 EQ-Plus	150	GLS 1
	Multi-Jetstream (8+8+1)	150	GLS 51
	LHS 225 EQ-Plus	225	GLS 38
Flex	OD 100-2, ODE 100-2	98 × 148	GLS 24
	XS 712, XS 713	125	GLS 5
	X 1107 VE, XS 1107 VE	150	GLS 3
	ORE 125-2	125	GLS 27
	GE 5, GE 5 R, GE 7, GSE 5 R, WST 700VV, WST 700 VV Plus	225	GLS 52
Hilti	GE 7, WST 700 VV Plus	225	GLS 55
	GE 7, WST 700 VV Plus	285	GLS 60
Hilti	WFE 150, WFE 380, WFE 450 E	150	GLS 3
Hitachi	FSV 13 Y, TSV 13 Y, SV 13 YA	125	GLS 5
Hitachi	SAY 150 A	150	GLS 3
HOLZ HER	2445	150	GLS 7 (1)
Kress	CDS 6425, CDS 6420, CDS 6422 E	105	GLS 17
	CPS 6115-1, 6115 E	115	GLS 4
	CPS 6125-1, CPS 6125 E, CPS 6125 E SET, HEX 1385 E, HEX 6385 E, 300 EXE	125	GLS 5
	900 MPS, 900 HEX /2	150	GLS 3
	UT 150 E, UX 150 E	150	GLS 1, 3, 47
Mafell	BO 4561, BO 4565	96 × 96 × 96	GLS 15
	BO 5000, BO 5010, BO 5041, BO 5031 K, BO 5021, BO 5021 K, BO 5041 K	125	GLS 5
Makita	BO 6030, BO 6040 J	150	GLS 1
Metabo	DS E 130, DS E 170, DS E 180	96 × 96 × 96	GLS 15
	DSE 300, DSE 300 Intec, DSE 280 INTEC	94 × 94 × 94	GLS 15
	SXE 400	80	GLS 13
	SX E 125, FSX 200 INTEC, SXE 425 TURBOTEC, SX E 425, SXE 325 INTEC	125	GLS 5
	SX E 425 XL, SX E 450 Duo, SXE 450 TURBOTEC,	150	GLS 3
Milwaukee	PDS 13, FS 2 D	98 × 148	GLS 24
	PRS 125 E	125	GLS 5
	ROS 150 E	150	GLS 3
Peugeot	PAE 115	115	GLS 4
	PRX 150 E	150	GLS 3
Pro Tool	ESP 150 E	150	GLS 3
Ryobi	ERO 2412V, CRO 180M, ROS 300 A, CRO 180 MHG	125	GLS 5
SKIL	7110 AA, 7115 AA	96 × 96 × 96	GLS 15
	7415	115	GLS 4
	7400, 7425, 7430, 7435, 7440 AA, 7460 AA, 7470 MA	125	GLS 5
Stayer	RO 150 E, LRT 150	150	GLS 3
Wegoma	LRE 84 H, RTE84H	125	GLS 5
	RX 91 C, RT188N, RTE46L, RTE146L	150	GLS 3

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

# Discs with paper backing, self-fastening

Coated abrasives

Abrasive paper, self-fastening

## PS 19 EK



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	E-paper

### Applications:

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

**Advantages:** Hard and sharp silicon carbide grain for hard and tough materials - Resistant high-performance disc with a stable 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
150	40	○ 0	50	311093	1.484,80 ZAR	7
150	60	○ 0	50	311094	1.194,17 ZAR	7
150	80	○ 0	50	270627	1.057,47 ZAR	7
150	100	○ 0	50	280595	971,98 ZAR	7
150	120	○ 0	50	270639	971,98 ZAR	7
150	220	○ 0	50	316634	980,53 ZAR	7
150	320	○ 0	50	318949	980,53 ZAR	7
150	400	○ 0	50	327086	980,53 ZAR	7
150	600	○ 0	50	327087	980,53 ZAR	7
180	80	○ 0	50	329321	1.485,73 ZAR	7

Prices exclude VAT. Recommended prices.



# Discs with paper backing, self-fastening

Coated abrasives



Abrasive paper, self-fastening

## PS 21 FK



### Properties

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

### Applications:

Steel	●
Stainless steel	●
Metals	●

**Advantages:** Aggressive abrasive behavior due to self-sharpening zirconia alumina - Optimal recipe for rough grinding and finish grinding of stainless steel - Long service life

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	80	○ 0	50	237781	2.063,29 ZAR	7
125	120	○ 0	50	237782	1.900,79 ZAR	7
150	40	○ 0	50	230312	3.868,30 ZAR	7
150	60	○ 0	50	230313	3.090,74 ZAR	7
150	80	○ 0	50	230314	2.724,83 ZAR	7
150	150	○ 0	50	239244	2.496,24 ZAR	7

Abrasive paper, self-fastening

## PS 22 K



### Properties

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

### Applications:

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
96	40	△ GLS 15	50	142134	821,06 ZAR	7
96	60	△ GLS 15	50	142135	670,95 ZAR	7
96	80	△ GLS 15	50	142136	600,36 ZAR	7
96	100	△ GLS 15	50	145055	556,23 ZAR	7

Prices exclude VAT. Recommended prices.

Continuation →

# Discs with paper backing, self-fastening

Coated abrasives

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

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
96	120	△ GLS 15	50	142137	556,23 ZAR	7
96	150	△ GLS 15	50	146336	556,23 ZAR	7
96	180	△ GLS 15	50	142138	556,23 ZAR	7
96	240	△ GLS 15	50	142139	560,62 ZAR	7

Abrasive paper, self-fastening

## PS 22 K



### Properties

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

### Applications:

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



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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
115	40	○ 0	50	2785	1.116,89 ZAR	7
115	60	○ 0	50	2786	909,69 ZAR	7
125	40	○ 0	50	2294	1.268,43 ZAR	7
125	60	○ 0	50	2295	1.026,84 ZAR	7
125	80	○ 0	50	6774	913,18 ZAR	7
125	100	○ 0	50	2296	842,17 ZAR	7
125	120	○ 0	50	6775	842,17 ZAR	7
125	150	○ 0	50	78163	842,17 ZAR	7
125	180	○ 0	50	62107	842,17 ZAR	7
125	220	○ 0	50	97176	849,31 ZAR	7
125	320	○ 0	50	93284	849,31 ZAR	7
125	400	○ 0	50	130114	849,31 ZAR	7
125	40	⊗ GLS 5	50	89486	1.268,43 ZAR	7
125	60	⊗ GLS 5	50	89488	1.026,84 ZAR	7
125	80	⊗ GLS 5	50	89489	913,18 ZAR	7
125	100	⊗ GLS 5	50	89491	842,17 ZAR	7
125	120	⊗ GLS 5	50	89493	842,17 ZAR	7
125	150	⊗ GLS 5	50	89494	842,17 ZAR	7
125	180	⊗ GLS 5	50	89495	842,17 ZAR	7
125	220	⊗ GLS 5	50	90758	849,31 ZAR	7
125	320	⊗ GLS 5	50	89496	849,31 ZAR	7
125	400	⊗ GLS 5	50	104778	849,31 ZAR	7
150	40	○ 0	50	20207	1.702,07 ZAR	7
150	60	○ 0	50	6649	1.362,22 ZAR	7
150	80	○ 0	50	6936	1.202,33 ZAR	7
150	100	○ 0	50	6697	1.102,37 ZAR	7

Prices exclude VAT. Recommended prices.

Continuation →

# Discs with paper backing, self-fastening

## Coated abrasives



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

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
150	120	○ 0	50	6937	<b>1.102,37 ZAR</b>	7
150	150	○ 0	50	71140	<b>1.102,37 ZAR</b>	7
150	180	○ 0	50	4022	<b>1.102,37 ZAR</b>	7
150	220	○ 0	50	93324	<b>1.112,37 ZAR</b>	7
150	240	○ 0	50	91605	<b>1.112,37 ZAR</b>	7
150	320	○ 0	50	91721	<b>1.112,37 ZAR</b>	7
150	400	○ 0	50	129092	<b>1.112,37 ZAR</b>	7
150	40	⊗ GLS 1	50	6520	<b>1.702,07 ZAR</b>	7
150	60	⊗ GLS 1	50	6523	<b>1.362,22 ZAR</b>	7
150	80	⊗ GLS 1	50	6524	<b>1.202,33 ZAR</b>	7
150	100	⊗ GLS 1	50	6525	<b>1.102,37 ZAR</b>	7
150	120	⊗ GLS 1	50	6526	<b>1.102,37 ZAR</b>	7
150	150	⊗ GLS 1	50	80722	<b>1.102,37 ZAR</b>	7
150	180	⊗ GLS 1	50	6611	<b>1.102,37 ZAR</b>	7
150	220	⊗ GLS 1	50	98990	<b>1.112,37 ZAR</b>	7
150	320	⊗ GLS 1	50	89450	<b>1.112,37 ZAR</b>	7
150	400	⊗ GLS 1	50	129389	<b>1.112,37 ZAR</b>	7
150	40	⊗ GLS 3	50	89181	<b>1.702,07 ZAR</b>	7
150	60	⊗ GLS 3	50	86634	<b>1.362,22 ZAR</b>	7
150	80	⊗ GLS 3	50	86635	<b>1.202,33 ZAR</b>	7
150	100	⊗ GLS 3	50	97072	<b>1.102,37 ZAR</b>	7
150	120	⊗ GLS 3	50	86636	<b>1.102,37 ZAR</b>	7
150	150	⊗ GLS 3	50	86637	<b>1.102,37 ZAR</b>	7
150	180	⊗ GLS 3	50	87528	<b>1.102,37 ZAR</b>	7
150	220	⊗ GLS 3	50	100157	<b>1.112,37 ZAR</b>	7
150	320	⊗ GLS 3	50	97779	<b>1.112,37 ZAR</b>	7
150	400	⊗ GLS 3	50	128356	<b>1.112,37 ZAR</b>	7
180	40	○ 0	50	2476	<b>2.393,97 ZAR</b>	7
180	60	○ 0	50	2477	<b>1.915,20 ZAR</b>	7
180	80	○ 0	50	6914	<b>1.689,88 ZAR</b>	7
180	100	○ 0	50	2783	<b>1.549,07 ZAR</b>	7
180	120	○ 0	50	6915	<b>1.549,07 ZAR</b>	7
180	180	○ 0	50	2784	<b>1.549,07 ZAR</b>	7
200	40	○ 0	50	77659	<b>2.918,44 ZAR</b>	7
200	60	○ 0	50	77660	<b>2.333,55 ZAR</b>	7
200	80	○ 0	50	77656	<b>2.058,29 ZAR</b>	7
200	100	○ 0	50	77658	<b>1.886,30 ZAR</b>	7
200	120	○ 0	50	77661	<b>1.886,30 ZAR</b>	7

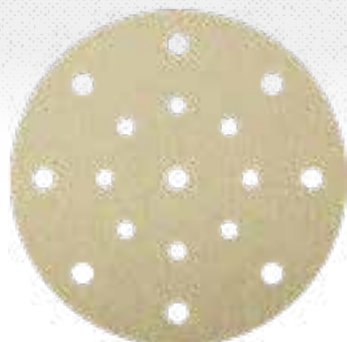
Prices exclude VAT. Recommended prices.

# Discs with paper backing, self-fastening

Coated abrasives

Abrasive paper, self-fastening

## PS 33 CK



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	●

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	40	○ 0	100	154113	1.391,50 ZAR	7
125	60	○ 0	100	147604	1.138,12 ZAR	7
125	80	○ 0	100	149055	1.018,90 ZAR	7
125	100	○ 0	100	150431	944,35 ZAR	7
125	120	○ 0	100	150433	944,35 ZAR	7
125	40	⊗ GLS 5	100	146954	1.391,50 ZAR	7
125	60	⊗ GLS 5	100	147642	1.138,12 ZAR	7
125	80	⊗ GLS 5	100	147643	1.018,90 ZAR	7
125	100	⊗ GLS 5	100	147977	944,35 ZAR	7
125	120	⊗ GLS 5	100	147170	944,35 ZAR	7
150	40	○ 0	100	147922	1.846,46 ZAR	7
150	60	○ 0	100	147107	1.490,00 ZAR	7
150	80	○ 0	100	146739	1.322,25 ZAR	7
150	100	○ 0	100	147106	1.217,40 ZAR	7
150	120	○ 0	100	146740	1.217,40 ZAR	7
150	40	⊗ GLS 1	100	146978	1.846,46 ZAR	7
150	60	⊗ GLS 1	100	146979	1.490,00 ZAR	7
150	80	⊗ GLS 1	100	143130	1.322,25 ZAR	7
150	100	⊗ GLS 1	100	143131	1.217,40 ZAR	7
150	120	⊗ GLS 1	100	147093	1.217,40 ZAR	7
150	40	⊗ GLS 3	100	147647	1.846,46 ZAR	7
150	60	⊗ GLS 3	100	147124	1.490,00 ZAR	7
150	80	⊗ GLS 3	100	146946	1.322,25 ZAR	7
150	100	⊗ GLS 3	100	143694	1.217,40 ZAR	7
150	120	⊗ GLS 3	100	146947	1.217,40 ZAR	7
150	120	⊗ GLS 51	100	301927	1.217,40 ZAR	7
150	40	⊗ GLS 74	100	340853	1.846,46 ZAR	7
150	60	⊗ GLS 74	100	340370	1.490,00 ZAR	7
150	80	⊗ GLS 74	100	340371	1.322,25 ZAR	7
150	100	⊗ GLS 74	100	342046	1.217,40 ZAR	7
150	120	⊗ GLS 74	100	340375	1.217,40 ZAR	7

Prices exclude VAT. Recommended prices.

# Discs with paper backing, self-fastening

## Coated abrasives



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:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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 2500 3000

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	150	○ 0	100	153152	944,24 ZAR	7
125	180	○ 0	100	150435	944,24 ZAR	7
125	220	○ 0	100	155143	951,72 ZAR	7
125	320	○ 0	100	150461	951,72 ZAR	7
125	400	○ 0	100	150462	951,72 ZAR	7
125	500	○ 0	100	243413	951,72 ZAR	7
125	150	⊗ GLS 5	100	150760	944,24 ZAR	7
125	180	⊗ GLS 5	100	147837	944,24 ZAR	7
125	220	⊗ GLS 5	100	150259	951,72 ZAR	7
125	240	⊗ GLS 5	100	147838	951,72 ZAR	7
125	320	⊗ GLS 5	100	147839	951,72 ZAR	7
125	500	⊗ GLS 5	100	228590	951,72 ZAR	7
125	600	⊗ GLS 5	100	175988	951,72 ZAR	7
150	150	○ 0	100	148375	1.217,27 ZAR	7
150	180	○ 0	100	146958	1.217,27 ZAR	7
150	220	○ 0	100	149916	1.227,70 ZAR	7
150	240	○ 0	100	146959	1.227,70 ZAR	7
150	320	○ 0	100	146716	1.227,70 ZAR	7
150	400	○ 0	100	147108	1.227,70 ZAR	7
150	500	○ 0	100	169682	1.227,70 ZAR	7
150	600	○ 0	100	169683	1.227,70 ZAR	7
150	150	⊗ GLS 1	100	148379	1.217,27 ZAR	7
150	180	⊗ GLS 1	100	147095	1.217,27 ZAR	7
150	220	⊗ GLS 1	100	149794	1.227,70 ZAR	7
150	240	⊗ GLS 1	100	147094	1.227,70 ZAR	7
150	320	⊗ GLS 1	100	147096	1.227,70 ZAR	7
150	400	⊗ GLS 1	100	147097	1.227,70 ZAR	7
150	500	⊗ GLS 1	100	217300	1.227,70 ZAR	7
150	600	⊗ GLS 1	100	172984	1.227,70 ZAR	7
150	150	⊗ GLS 3	100	149151	1.217,27 ZAR	7
150	180	⊗ GLS 3	100	146948	1.217,27 ZAR	7
150	220	⊗ GLS 3	100	149255	1.227,70 ZAR	7
150	240	⊗ GLS 3	100	146907	1.227,70 ZAR	7
150	320	⊗ GLS 3	100	147126	1.227,70 ZAR	7

Prices exclude VAT. Recommended prices.

Continuation →

# Discs with paper backing, self-fastening

Coated abrasives

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

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
150	400	GLS 3	100	147125	1.227,70 ZAR	7
150	500	GLS 3	100	170113	1.227,70 ZAR	7
150	600	GLS 3	100	172010	1.227,70 ZAR	7
150	220	GLS 51	100	301929	1.227,70 ZAR	7
150	320	GLS 51	100	301930	1.227,70 ZAR	7
150	400	GLS 51	100	310898	1.227,70 ZAR	7
150	150	GLS 74	100	342045	1.217,27 ZAR	7
150	180	GLS 74	100	340598	1.217,27 ZAR	7
150	220	GLS 74	100	342044	1.227,70 ZAR	7
150	240	GLS 74	100	340599	1.227,70 ZAR	7
150	320	GLS 74	100	342043	1.227,70 ZAR	7
150	400	GLS 74	100	342042	1.227,70 ZAR	7

**CEVOLUTION**

Abrasive paper, self-fastening, CEVOLUTION

**PS 61 FK**  
**CEVOLUTION**



#### Properties

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

#### Applications:

Stainless steel	●
Steel	●
Wood	○

**Advantages:** Continuously aggressive abrasive performance - High-performance abrasive disc for stainless steel grinding - Also very good results in repair grinding of parquet flooring - The PS 61 FK includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	60	○ 0	50	322468	2.199,75 ZAR	7
125	80	○ 0	50	321597	1.944,06 ZAR	7
125	120	○ 0	50	322469	1.784,37 ZAR	7
125	150	○ 0	50	322470	1.784,37 ZAR	7
125	180	○ 0	50	322471	1.784,37 ZAR	7
150	60	○ 0	50	322036	2.953,71 ZAR	7
150	80	○ 0	50	321325	2.594,21 ZAR	7
150	120	○ 0	50	322472	2.369,49 ZAR	7
150	150	○ 0	50	322473	2.369,49 ZAR	7
150	180	○ 0	50	321797	2.369,49 ZAR	7

Prices exclude VAT. Recommended prices.



# Discs with paper backing, self-fastening

## Coated abrasives



Abrasive film, active coated, self fastening

### FP 73 WK



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Plastic	ⓘ



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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
150	600	○ 0	100	316154	2.068,79 ZAR	7
150	800	○ 0	100	316175	2.068,79 ZAR	7
150	1200	○ 0	100	316177	2.068,79 ZAR	7
150	80	⊗ GLS 47	100	320641	2.239,07 ZAR	7
150	100	⊗ GLS 47	100	320642	2.049,86 ZAR	7
150	120	⊗ GLS 47	100	320643	2.049,86 ZAR	7
150	150	⊗ GLS 47	100	320644	2.049,86 ZAR	7
150	180	⊗ GLS 47	100	320725	2.049,86 ZAR	7
150	240	⊗ GLS 47	100	320726	2.068,79 ZAR	7
150	320	⊗ GLS 47	100	320727	2.068,79 ZAR	7
150	400	⊗ GLS 47	100	320728	2.068,79 ZAR	7
150	600	⊗ GLS 47	100	320729	2.068,79 ZAR	7
150	800	⊗ GLS 47	100	320730	2.068,79 ZAR	7
150	1000	⊗ GLS 47	100	320731	2.068,79 ZAR	7
150	1200	⊗ GLS 47	100	320732	2.068,79 ZAR	7
150	1500	⊗ GLS 47	100	320733	2.068,79 ZAR	7

Prices exclude VAT. Recommended prices.

# Discs with paper backing, self-fastening

Coated abrasives

Abrasive paper, actively coated,  
elf-fastening

## PS 73 CWK



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Plastic	○

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Diameter in mm		Grit		Hole pattern		Packing unit/pcs.		Cat. number		Price/100 pieces ZAR		Discount group														
150		80		○ 0		100		301233		1.820,94 ZAR		7														
150		120		○ 0		100		301235		1.673,47 ZAR		7														
150		80		⊗ GLS 3		100		301220		1.820,94 ZAR		7														
150		120		⊗ GLS 3		100		301222		1.673,47 ZAR		7														
150		120		⊗ GLS 47		100		301814		1.673,47 ZAR		7														
150		80		⊗ GLS 51		100		310524		1.820,94 ZAR		7														
150		100		⊗ GLS 51		100		309470		1.673,47 ZAR		7														
150		120		⊗ GLS 51		100		310478		1.673,47 ZAR		7														

Abrasive paper, actively coated,  
self-fastening

## PS 73 BWK



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Plastic	○

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Diameter in mm		Grit		Hole pattern		Packing unit/pcs.		Cat. number		Price/100 pieces ZAR		Discount group														
60		600		○ 0		100		309745		536,39 ZAR		7														
65		800		○ 0		100		309746		581,12 ZAR		7														
80		600		○ 0		100		313085		705,01 ZAR		7														
80		800		○ 0		100		313086		705,01 ZAR		7														
125		800		○ 0		100		306613		1.299,32 ZAR		7														

Prices exclude VAT. Recommended prices.

Continuation →

# Discs with paper backing, self-fastening

Coated abrasives



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

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	1200	○ 0	100	308979	1.299,32 ZAR	7
150	150	○ 0	100	301236	1.672,40 ZAR	7
150	180	○ 0	100	301237	1.672,40 ZAR	7
150	220	○ 0	100	301238	1.687,17 ZAR	7
150	320	○ 0	100	301240	1.687,17 ZAR	7
150	400	○ 0	100	301241	1.687,17 ZAR	7
150	500	○ 0	100	301937	1.687,17 ZAR	7
150	800	○ 0	100	301886	1.687,17 ZAR	7
150	1000	○ 0	100	301891	1.687,17 ZAR	7
150	1200	○ 0	100	306625	1.687,17 ZAR	7
150	1500	○ 0	100	306317	1.687,17 ZAR	7
150	600	⊗ GLS 1	100	301217	1.687,17 ZAR	7
150	150	⊗ GLS 3	100	301223	1.672,40 ZAR	7
150	180	⊗ GLS 3	100	301224	1.672,40 ZAR	7
150	220	⊗ GLS 3	100	301225	1.687,17 ZAR	7
150	320	⊗ GLS 3	100	301227	1.687,17 ZAR	7
150	400	⊗ GLS 3	100	301228	1.687,17 ZAR	7
150	500	⊗ GLS 3	100	301229	1.687,17 ZAR	7
150	600	⊗ GLS 3	100	301230	1.687,17 ZAR	7
150	800	⊗ GLS 3	100	301889	1.687,17 ZAR	7
150	1000	⊗ GLS 3	100	307115	1.687,17 ZAR	7
150	1200	⊗ GLS 3	100	307116	1.687,17 ZAR	7
150	1500	⊗ GLS 3	100	307117	1.687,17 ZAR	7
150	150	⊗ GLS 47	100	301855	1.672,40 ZAR	7
150	220	⊗ GLS 47	100	301857	1.687,17 ZAR	7
150	320	⊗ GLS 47	100	301859	1.687,17 ZAR	7
150	500	⊗ GLS 47	100	301861	1.687,17 ZAR	7
150	150	⊗ GLS 51	100	310479	1.672,40 ZAR	7
150	180	⊗ GLS 51	100	310525	1.672,40 ZAR	7
150	220	⊗ GLS 51	100	310526	1.687,17 ZAR	7
150	240	⊗ GLS 51	100	309093	1.687,17 ZAR	7
150	320	⊗ GLS 51	100	309094	1.687,17 ZAR	7
150	400	⊗ GLS 51	100	310527	1.687,17 ZAR	7
150	500	⊗ GLS 51	100	310528	1.687,17 ZAR	7
150	600	⊗ GLS 51	100	310529	1.687,17 ZAR	7
150	1000	⊗ GLS 51	100	310615	1.687,17 ZAR	7

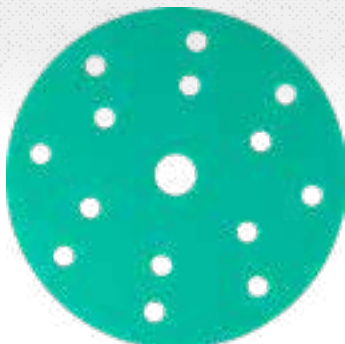
Prices exclude VAT. Recommended prices.

# Discs with film backing, self-fastening

Coated abrasives

Abrasive film, self-fastening, waterproof

## FP 77 K T-ACT



### Properties

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

### Applications:

Paint/Varnish/Filler	●	Composite materials	●
Primer	●	Plastic	●
Filler	●		
Gel coats	●		

**Advantages:** New high-performance disc with optimized clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For fine sanding in the fine grit range 240 - 2000, a highly flexible and completely flat film backing is used for highest surface quality

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	240	○ 0	100	353177	1.795,21 ZAR	7
125	320	○ 0	100	353175	1.795,21 ZAR	7
125	400	○ 0	100	353174	1.795,21 ZAR	7
125	600	○ 0	100	353172	1.795,21 ZAR	7
125	240	⊗ GLS 5	100	353162	1.795,21 ZAR	7
125	280	⊗ GLS 5	100	353161	1.795,21 ZAR	7
125	320	⊗ GLS 5	100	353169	1.795,21 ZAR	7
125	400	⊗ GLS 5	100	353160	1.795,21 ZAR	7
125	600	⊗ GLS 5	100	353158	1.795,21 ZAR	7
150	240	⊗ GLS 3	100	353146	2.384,75 ZAR	7
150	320	⊗ GLS 3	100	353145	2.384,75 ZAR	7
150	400	⊗ GLS 3	100	353144	2.384,75 ZAR	7
150	600	⊗ GLS 3	100	353142	2.384,75 ZAR	7
150	800	⊗ GLS 47	100	353134	2.384,75 ZAR	7
150	1000	⊗ GLS 47	100	353133	2.384,75 ZAR	7
150	1200	⊗ GLS 47	100	353132	2.384,75 ZAR	7
150	1500	⊗ GLS 47	100	353131	2.384,75 ZAR	7
150	2000	⊗ GLS 47	100	353130	2.384,75 ZAR	7

Prices exclude VAT. Recommended prices.

# Discs with paper backing, self-fastening

## Coated abrasives



Abrasive paper, self-fastening

### PS 77 CK T-ACT



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●	Composite materials	●
Primer	●	Plastic	○
Filler	●		
Gel coats	●		

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

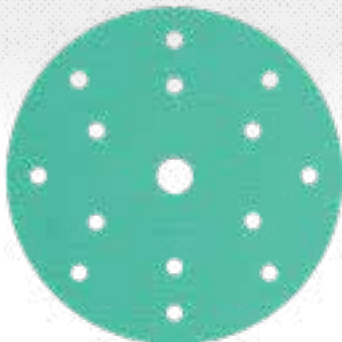
Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

All sizes and minimum purchasing quantities available on request

Abrasive paper, self-fastening

### PS 77 CK T-ACT



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●	Composite materials	●
Primer	●	Plastic	○
Filler	●		
Gel coats	●		

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	60	○ 0	100	353219	1.419,31 ZAR	7
125	80	○ 0	100	353224	1.261,34 ZAR	7
125	100	○ 0	100	353221	1.162,58 ZAR	7
125	120	○ 0	100	353223	1.162,58 ZAR	7
125	150	○ 0	100	353225	1.162,58 ZAR	7
125	180	○ 0	100	353222	1.162,58 ZAR	7
125	220	○ 0	100	353218	1.172,42 ZAR	7
125	60	⊙ GLS 5	100	353217	1.419,31 ZAR	7
125	80	⊙ GLS 5	100	353216	1.261,34 ZAR	7
125	100	⊙ GLS 5	100	353215	1.162,58 ZAR	7
125	120	⊙ GLS 5	100	353214	1.162,58 ZAR	7
125	180	⊙ GLS 5	100	353212	1.162,58 ZAR	7
125	220	⊙ GLS 5	100	353209	1.172,42 ZAR	7

Prices exclude VAT. Recommended prices.

Continuation →

# Discs with paper backing, self-fastening / Abrasive Screen

Coated abrasives

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

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
150	60	○ 0	100	353208	1.885,54 ZAR	7
150	80	○ 0	100	353207	1.663,24 ZAR	7
150	120	○ 0	100	353206	1.524,29 ZAR	7
150	180	○ 0	100	353204	1.524,29 ZAR	7
150	220	○ 0	100	353203	1.538,26 ZAR	7
150	60	⊗ GLS 3	100	353195	1.885,54 ZAR	7
150	80	⊗ GLS 3	100	353194	1.663,24 ZAR	7
150	100	⊗ GLS 3	100	353193	1.524,29 ZAR	7
150	120	⊗ GLS 3	100	353192	1.524,29 ZAR	7
150	180	⊗ GLS 3	100	353190	1.524,29 ZAR	7
150	220	⊗ GLS 3	100	353189	1.538,26 ZAR	7

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	80	● Screen	50	337898	6.448,28 ZAR	5
125	100	● Screen	50	337899	5.933,21 ZAR	5
125	120	● Screen	50	337900	5.933,21 ZAR	5
125	150	● Screen	50	337901	3.741,62 ZAR	5
125	180	● Screen	50	337905	3.741,62 ZAR	5
125	240	● Screen	50	337904	3.741,62 ZAR	5
125	320	● Screen	50	337903	3.741,62 ZAR	5
125	400	● Screen	50	337902	3.741,62 ZAR	5
150	80	● Screen	50	337886	3.639,22 ZAR	5
150	100	● Screen	50	337887	3.138,06 ZAR	5
150	120	● Screen	50	337885	3.138,06 ZAR	5
150	150	● Screen	50	337884	3.138,06 ZAR	5
150	180	● Screen	50	337883	3.138,06 ZAR	5
150	240	● Screen	50	337888	3.138,06 ZAR	5
150	320	● Screen	50	337876	3.138,06 ZAR	5
150	400	● Screen	50	337877	3.138,06 ZAR	5
225	80	● Screen	25	337871	19.773,48 ZAR	5
225	100	● Screen	25	337875	18.170,56 ZAR	5

Prices exclude VAT. Recommended prices.

Continuation →



# Abrasive Screen / Disc with foam material

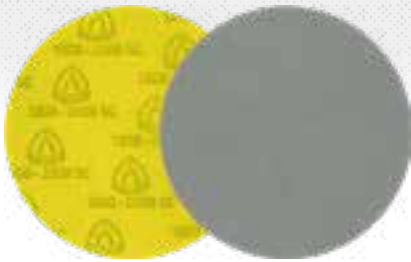


→ Continuation of AN 400, Abrasive screen, self-fastening, waterproof

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
225	120	● Screen	25	337873	18.170,56 ZAR	5
225	150	● Screen	25	337874	18.170,56 ZAR	5
225	180	● Screen	25	337872	18.170,56 ZAR	5
225	240	● Screen	25	337878	18.170,56 ZAR	5

Sanding disc with foam material, self-fastening, waterproof

## FD 500



### Properties

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

### Applications:

Paint/Varnish/Filler ●

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Diameter in mm				Grit		Hole pattern		Packing unit/pcs.				Cat. number		Price/100 pieces ZAR				Discount group								
125				1000		○ 0		10				342291		5.296,00 ZAR				7								
125				1500		○ 0		10				342290		5.296,00 ZAR				7								
125				2000		○ 0		10				342289		5.296,00 ZAR				7								
125				3000		○ 0		10				342288		5.296,00 ZAR				7								
150				1000		○ 0		10				342294		5.876,80 ZAR				7								
150				1500		○ 0		10				342293		5.876,80 ZAR				7								
150				2000		○ 0		10				342295		5.876,80 ZAR				7								
150				3000		○ 0		10				342292		5.876,80 ZAR				7								

Prices exclude VAT. Recommended prices.

## Protection pad / Hand block

Protection pad, self-fastening

### PP 555 Retail packs



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

Diameter in mm	Suitable for	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
125	Random orbital sander	2	370652	<b>343,42 ZAR</b>	14
150	Random orbital sander	2	358148	<b>370,40 ZAR</b>	14
225	Drywall sander	2	370662	<b>788,79 ZAR</b>	14

Hand block, self fastening

### HBD 125



**NEW !**



**Advantages:** Very suitable for surface and edge grinding - Fatigue-proof hand sanding due to ergonomic form - For self-fastening discs in diameter 125 mm - Self-fastening

Diameter in mm	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
125	1	387039	<b>307,58 ZAR</b>	14

Prices exclude VAT. Recommended prices.

Self-fastening multihole backing pad for random orbital sanders

## HST 555



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

Diameter in mm	Adaptor	Thread/Shaft	Density	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
150	Festool adaptor	thread M8/ 5/16"	soft	12000 rpm	1	320488	<b>1.883,56 ZAR</b>	14
150	Festool adaptor	thread M8/ 5/16"	medium	12000 rpm	1	320489	<b>1.883,56 ZAR</b>	14
150	Festool adaptor	thread M8/ 5/16"	hard	12000 rpm	1	320587	<b>1.883,56 ZAR</b>	14

Self-fastening multihole backing pad for random orbital sanders

## HST 555 A



**Advantages:** Very good adhesion for all velour-coated discs due to fine, heat resistant self-fastening coating - For all standard hole patterns, also for netlike and diverse multihole patterns - Self-fastening backing pad compatible with BOSCH random orbital sanders of the GEX series with star-shaped mounting

Diameter in mm	Adaptor	Thread/Shaft	Density	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
150	Bosch adaptor	thread M8	medium	12000 rpm	1	320490	<b>1.411,31 ZAR</b>	14

Prices exclude VAT. Recommended prices.

## Self-fastening support / Interface pads

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

Diameter in mm	Hole pattern	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
125	○ 0	1	116594	13.089,44 ZAR	14
150	⊗ GLS 1	1	147607	18.298,33 ZAR	14

Interface Pads

### INTERFACE UNIVERSAL



**Advantages:** Application between the backing pad and the abrasive disc for greater softness - Allows uniform grinding on all profiled, flat or difficult to access surfaces, with a better finish

Size in mm	Cat. number	Price/piece ZAR	Discount group
150	283585	547,26 ZAR	14

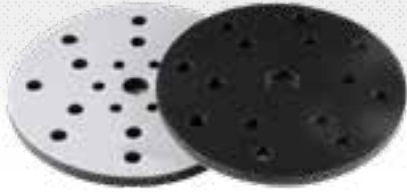
Prices exclude VAT. Recommended prices.

Interface Pads

## IP 121



**NEW** !



**Advantages:** Interface pad to be applied between the pad and the abrasive disc to give greater softness - Allows uniform grinding and a better finish on all curved, flat or difficult to access surfaces

Diameter x Width in mm	Hole pattern	Cat. number	Price/piece ZAR	Discount group
125 x 10	⊙ GLS 5	678715	298,68 ZAR	14

Backing pad for self-fastening discs

## HST 359



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

Diameter in mm	Thread/Shaft	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115	thread M14	13300 rpm	1	70433	299,29 ZAR	14
125	thread M14	12200 rpm	1	70434	309,80 ZAR	14
125	8 mm	4000 rpm	1	70435	236,97 ZAR	14
150	thread M14	12000 rpm	1	70436	461,03 ZAR	14
180	thread M14	8500 rpm	1	73066	627,27 ZAR	14

Prices exclude VAT. Recommended prices.







# 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>126, 130</b>
	<b>QMC/QRC 411</b>	Zirconia alumina	●	High stock removal rate for rough grinding and deburring of stainless steel and steel	<b>127, 131</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>128, 131</b>
	<b>QMC/QRC 910</b>	Ceramic aluminium oxide	●	Extremely sharp ceramic grain for highest aggressivity and multibond for cool grinding	<b>128, 132</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



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

### The right choice of the backing pad

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

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

**Please observe the max. RPM for the backing pads in the product chart.**

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



## The system QMC (Quick Metal Connect)

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



## The system QRC (Quick Roll Connect)

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



## Installation on an angle grinder

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

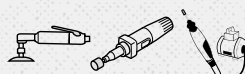
1. Mount the QCA 555 adapter with the M14 thread onto your angle grinder.  
The lower clamping flange can remain on the machine.
2. Affix the backing pad QMC 555 or QRC 555 with the 1/4" thread on top of the adapter.



# Quick Change Discs

Quick 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

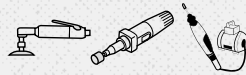
Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
25	60	100	295155	3.569,22 ZAR	6
38	36	100	295174	3.936,42 ZAR	6
38	40	100	295175	3.794,39 ZAR	6
38	60	100	295177	3.688,13 ZAR	6
38	80	100	295178	3.546,63 ZAR	6
38	100	100	295179	3.510,85 ZAR	6
38	120	100	295180	3.510,85 ZAR	6
38	240	100	295183	3.510,85 ZAR	6
50	36	100	295196	4.232,60 ZAR	6
50	40	100	295197	4.080,07 ZAR	6
50	50	100	295198	4.003,94 ZAR	6
50	60	100	295199	3.965,75 ZAR	6
50	80	100	295200	3.813,49 ZAR	6
50	100	100	295201	3.775,02 ZAR	6
50	120	100	295202	3.775,02 ZAR	6
50	180	100	295204	3.775,02 ZAR	6
50	240	100	295205	3.775,02 ZAR	6
50	320	100	295206	3.775,02 ZAR	6
76	36	50	295218	6.348,91 ZAR	6
76	60	50	295221	5.948,62 ZAR	6
76	80	50	295222	5.720,23 ZAR	6
76	100	50	295223	5.662,66 ZAR	6
76	120	50	295224	5.662,66 ZAR	6
76	180	50	295226	5.662,66 ZAR	6

Backing pad see page 129 / Adapter page 133.

Prices exclude VAT. Recommended prices.

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

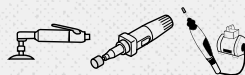
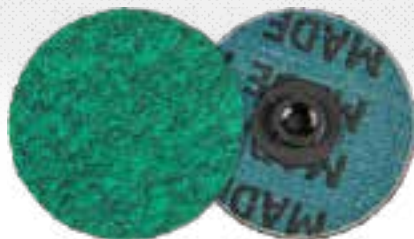
Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
25	40	100	295277	3.930,51 ZAR	6
50	36	100	295300	4.530,67 ZAR	6
50	40	100	295301	4.367,38 ZAR	6
50	60	100	295303	4.244,98 ZAR	6
50	80	100	295304	4.082,23 ZAR	6
50	120	100	295305	4.040,80 ZAR	6
76	36	50	295312	6.796,00 ZAR	6
76	60	50	295315	6.367,47 ZAR	6
76	80	50	295316	6.123,47 ZAR	6

Backing pad see page 129 / Adapter page 133.

## Quick Change Discs

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:

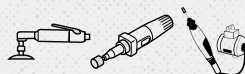
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
50	36	100	295334	5.078,10 ZAR	6
50	40	100	295335	4.894,91 ZAR	6
50	60	100	295337	4.757,71 ZAR	6
50	80	100	295338	4.575,32 ZAR	6
50	120	100	295339	4.529,05 ZAR	6

Backing pad see page 129 / Adapter page 133.

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
38	60	100	295359	4.795,64 ZAR	6
38	80	100	295360	4.611,91 ZAR	6
50	36	100	295366	5.503,94 ZAR	6
50	40	100	295367	5.305,42 ZAR	6
50	50	100	295368	5.206,42 ZAR	6
50	60	100	295369	5.156,65 ZAR	6
50	80	100	295370	4.958,93 ZAR	6

Backing pad see page 129 / Adapter page 133.

Prices exclude VAT. Recommended prices.



Backing pad

## QMC 555



**Advantages:** For secure mounting of QMC discs - Optimized abrasive properties (aggressiveness, surface quality) due to three hardnesses - Easy differentiation of the hardnesses through coloured rings - Fixing spindle can be unscrewed, therefore the use on angle grinder or with adapter QCA 555 is possible via 1/4"-20 thread

Diameter in mm	Thread/Shaft	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
25	Shaft 6 mm	soft	grey	30000 rpm	1	300056	<b>402,00 ZAR</b>	14
25	Shaft 6 mm	medium	blue	30000 rpm	1	295422	<b>395,12 ZAR</b>	14
38	Shaft 6 mm	soft	grey	30000 rpm	1	300058	<b>411,24 ZAR</b>	14
38	Shaft 6 mm	medium	blue	30000 rpm	1	295424	<b>403,57 ZAR</b>	14
38	Shaft 6 mm	firm	red	30000 rpm	1	300059	<b>447,36 ZAR</b>	14
50	Shaft 6 mm	soft	grey	30000 rpm	1	300060	<b>440,45 ZAR</b>	14
50	Shaft 6 mm	medium	blue	30000 rpm	1	295426	<b>440,45 ZAR</b>	14
50	Shaft 6 mm	firm	red	30000 rpm	1	295427	<b>478,07 ZAR</b>	14
76	Shaft 6 mm	soft	grey	20000 rpm	1	300061	<b>467,32 ZAR</b>	14
76	Shaft 6 mm	medium	blue	20000 rpm	1	295430	<b>467,32 ZAR</b>	14
76	Shaft 6 mm	firm	red	20000 rpm	1	295431	<b>528,76 ZAR</b>	14

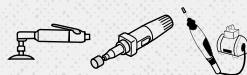
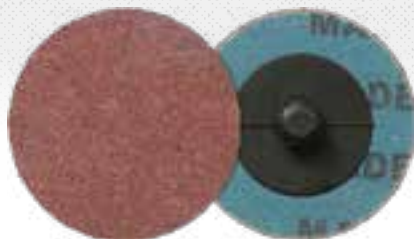
Prices exclude VAT. Recommended prices.

# 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

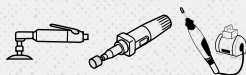
Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
25	120	100	295169	3.397,60 ZAR	6
50	36	100	295207	4.232,60 ZAR	6
50	40	100	295208	4.080,07 ZAR	6
50	60	100	295210	3.965,75 ZAR	6
50	80	100	295211	3.813,49 ZAR	6
50	120	100	295213	3.775,02 ZAR	6
76	36	50	295229	6.348,91 ZAR	6
76	40	50	295230	6.120,25 ZAR	6
76	60	50	295232	5.948,62 ZAR	6
76	80	50	295233	5.720,23 ZAR	6
76	120	50	295235	5.662,66 ZAR	6

Backing pad see page 132 / Adapter page 133.

Prices exclude VAT. Recommended prices.

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:

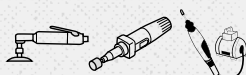
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
50	36	100	295306	4.530,67 ZAR	6
50	40	100	295307	4.367,38 ZAR	6
50	60	100	295309	4.244,98 ZAR	6
50	80	100	295310	4.082,23 ZAR	6
50	120	100	295311	4.040,80 ZAR	6
76	36	50	295318	6.796,00 ZAR	6
76	60	50	295321	6.367,47 ZAR	6
76	80	50	295322	6.123,47 ZAR	6
76	120	50	295323	6.061,33 ZAR	6

Backing pad see page 132 / Adapter page 133.

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
50	36	100	295340	5.078,10 ZAR	6
50	60	100	295343	4.757,71 ZAR	6
50	80	100	295344	4.575,32 ZAR	6
76	36	50	295351	7.617,29 ZAR	6

Prices exclude VAT. Recommended prices.

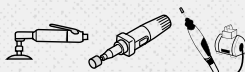
Backing pad see page 132 / Adapter page 133.

# Quick Change Discs / Backing pads

Quick Roll Connect

Quick Change Disc

## QRC 910



### Properties

Bonding agent	Resin
Grain	Ceramic Al. oxide
Coating	Close

### Applications:

Stainless steel	●
High alloy steel	●

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
50	40	100	295372	5.305,42 ZAR	6
50	60	100	295374	5.156,65 ZAR	6
50	80	100	295375	4.958,93 ZAR	6
76	36	50	295381	8.255,92 ZAR	6
76	50	50	295383	7.809,63 ZAR	6
76	80	50	295385	7.438,40 ZAR	6

Backing pad see page 132 / Adapter page 133.

Backing pad

## QRC 555



**Advantages:** For secure mounting of QRC discs - Optimized abrasive properties (aggressiveness, surface quality) due to two hardnesses - Easy differentiation of the hardnesses through coloured rings - Fixing spindle can be unscrewed, therefore the use on angle grinder or with adapter QCA 555 is possible via 1/4"-20 thread

Diameter in mm	Thread/Shaft	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
25	Shaft 6 mm	medium	blue	30000 rpm	1	295423	439,24 ZAR	14
38	Shaft 6 mm	medium	blue	30000 rpm	1	295425	448,61 ZAR	14
50	Shaft 6 mm	medium	blue	30000 rpm	1	295428	489,63 ZAR	14
50	Shaft 6 mm	firm	red	30000 rpm	1	295429	531,49 ZAR	14
76	Shaft 6 mm	medium	blue	20000 rpm	1	295432	519,44 ZAR	14
76	Shaft 6 mm	firm	red	20000 rpm	1	295433	587,76 ZAR	14

Prices exclude VAT. Recommended prices.

Adapter for quick change disc backing pad

## QCA 555



**Advantages:** Quick Change Disc Adapter with M14 female thread and 1/4"-20 male 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	Price/piece ZAR	Discount group
20 x 30	thread M14	80 m/s	75400 rpm	1	308693	<b>383,53 ZAR</b>	14

Prices exclude VAT. Recommended prices.







# Abrasive mop wheels

## About the product

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

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

## Machines

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



Die grinders



Angle grinders



Flexible shafts



Drilling machines



Floor stand grinders



Satin finishing machine

## Minimum order quantities for made to order items

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

\* Available dimensions on request

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



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

Type	Page	Material applications																Machine applications						
		Metal	Apparatus / container engineering	Precision engineering	Mould making	Fittings	Pipes	Profiled sections	Tools	Mountings	Cutlery	Wood	Contoured wood	Model construction	Profiled sections	Paint / varnish / fillers	Plastics	Flexible shafts	Drilling machines	Die grinders	Automatic grinders	Floor stand grinders	Angle grinders	Satin finishing machine
SM 611	140	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●		
SM 611 W	141	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●		
SM 611 H	*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●		
SM 611 S	143	●	●				●																●	
MM 630	142	●	○		○		○	○				●	●	●	●	●	○	●	●					
MM 650	142	●	●	○	○	○	○	●		○		●	●	●	●	●	○	●		●		●		
WSM 617	143	●	●	●	●	●	●	●	●	●		○	○	●	●	●	○						●	
FSR 618	*	●	○	●	●	●	●	●	●	●		○	○	○	○	○	●				●	●		

● = main application ○ = possible application \* available on request

# Abrasive mop wheels

## Applications guide

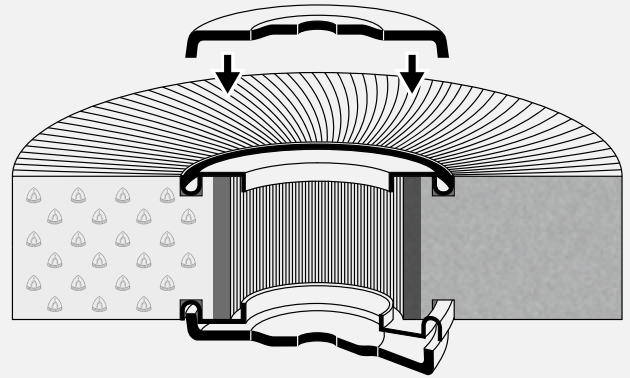
### Mounting

#### **Abrasive mop wheels SM 611, MM 650,**

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

#### **Correct mounting is important**

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



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



#### **Abrasive mop wheel SM 611 H**

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



#### **Abrasive mop wheel SM 611 W**

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



#### **Abrasive flap drum SM 611 S**

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



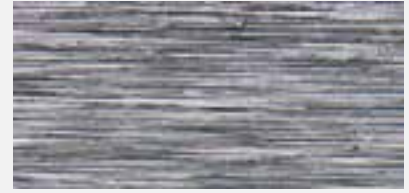
#### **WSM 617**

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

## The surface scratch pattern

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

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



### **Abrasive belt 40 grit**

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



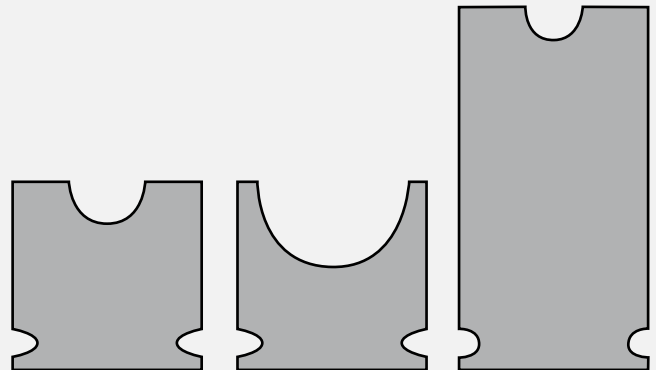
### **Abrasive mop wheel 40 grit**

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

## Common profilings

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

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



# Abrasive mop wheels

## Applications guide

### Selection of the correct mop diameter

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

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

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

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

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

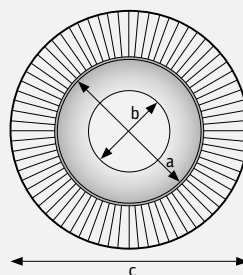
#### Maximum RPM

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

#### Optimal cutting rate

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

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



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

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

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

\* applies to standard versions (stock items)

### Packet assembling

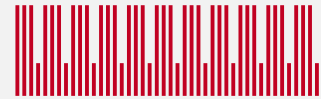
Another way to influence the grinding result is packet assembling. During packet assembling an intermediate layer is stamped between the cloth flaps. This creates space between the individual flaps, which influences the grinding behaviour of the wheel. The higher the ratio of grinding flaps to intermediate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

The standard abrasive mop wheel is manufactured without packet assembling.

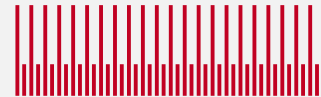
Exception: Starting at a diameter of  $\geq 250$  mm, a width of  $\geq 50$  mm, and a grit size of 220 and finer, abrasive mop wheels are manufactured with a packet assembly ratio of 5:1.



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 a dust mask



Use ear protectors



Wear safety gloves to protect hands



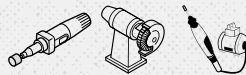
Observe safety instructions

# Abrasive mop wheels

## Abrasive mop

Abrasive mop

### SM 611



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications:

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

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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Diameter x Width x Bore in mm				Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/piece ZAR		Discount group											
165 x 25 x 43,1				40	50 m/s		5800 rpm		5		12075		780,70 ZAR		9											
165 x 25 x 43,1				60	50 m/s		5800 rpm		5		12077		780,70 ZAR		9											
165 x 25 x 43,1				80	50 m/s		5800 rpm		5		12078		853,32 ZAR		9											
165 x 25 x 43,1				120	50 m/s		5800 rpm		5		12080		853,32 ZAR		9											
165 x 25 x 43,1				150	50 m/s		5800 rpm		5		12081		1.001,56 ZAR		9											
165 x 25 x 43,1				180	50 m/s		5800 rpm		5		12082		1.001,56 ZAR		9											
165 x 25 x 43,1				240	50 m/s		5800 rpm		5		12084		1.104,42 ZAR		9											
165 x 30 x 43,1				40	50 m/s		5800 rpm		5		12090		928,96 ZAR		9											
165 x 40 x 54				50	50 m/s		5800 rpm		3		286346		935,02 ZAR		9											
165 x 50 x 43,1				40	50 m/s		5800 rpm		3		12105		1.180,03 ZAR		9											
165 x 50 x 43,1				60	50 m/s		5800 rpm		3		12107		1.180,03 ZAR		9											
165 x 50 x 43,1				80	50 m/s		5800 rpm		3		12108		1.413,12 ZAR		9											
165 x 50 x 43,1				120	50 m/s		5800 rpm		3		12110		1.413,12 ZAR		9											
165 x 50 x 43,1				150	50 m/s		5800 rpm		3		12111		1.612,81 ZAR		9											
165 x 50 x 43,1				180	50 m/s		5800 rpm		3		12112		1.612,81 ZAR		9											
165 x 50 x 43,1				240	50 m/s		5800 rpm		3		12114		1.806,48 ZAR		9											
165 x 50 x 43,1				320	50 m/s		5800 rpm		3		12116		1.806,48 ZAR		9											
200 x 25 x 68,2				120	50 m/s		4800 rpm		5		12140		1.512,93 ZAR		9											
200 x 25 x 68,2				180	50 m/s		4800 rpm		5		12142		1.712,65 ZAR		9											
200 x 50 x 68,2				60	50 m/s		4800 rpm		3		12167		1.969,82 ZAR		9											
200 x 50 x 68,2				80	50 m/s		4800 rpm		3		12168		2.366,22 ZAR		9											
200 x 50 x 68,2				120	50 m/s		4800 rpm		3		12170		2.366,22 ZAR		9											
250 x 50 x 68,2				40	50 m/s		3800 rpm		1		12225		3.237,68 ZAR		9											
250 x 50 x 68,2				120	50 m/s		3800 rpm		1		12230		3.782,30 ZAR		9											
250 x 50 x 68,2				180	50 m/s		3800 rpm		1		12232		4.387,56 ZAR		9											
250 x 50 x 68,2				320	50 m/s		3800 rpm		1		12236		4.914,06 ZAR		9											
350 x 75 x 131,8				80	50 m/s		2700 rpm		2		12378		9.107,82 ZAR		9											
350 x 75 x 131,8				320	50 m/s		2700 rpm		2		12386		7.825,56 ZAR		9											

Use only with mounting plate SMD 612 (page 000)!

Prices exclude VAT. Recommended prices.



# Abrasive mop wheels

Abrasive mop



Mounting plate

## SMD 612

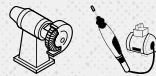


**Advantages:** Ensures a smooth running and the safe mounting on the machine

Diameter x Bore in mm	Suitable for	Max. enlargement of bore Ø in mm	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
79 x 12	SM 611/NCW/NFW 600 (Ø150+Ø165) + MM 650 (Ø250)	Ø 40 mm	2	14823	<b>196,30 ZAR</b>	14
121 x 14	SM 611/NCW/NFW 600 (Ø200+Ø250)	Ø 50 mm	2	14824	<b>244,17 ZAR</b>	14
155 x 20	SM 611 (Ø300)	Ø 50 mm	2	14826	<b>320,79 ZAR</b>	14

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
150 x 40 x 25,4	180	50 m/s	6300 rpm	4	340434	<b>1.599,93 ZAR</b>	9
165 x 25 x 25,4	40	50 m/s	5800 rpm	5	221597	<b>958,51 ZAR</b>	9
165 x 25 x 25,4	60	50 m/s	5800 rpm	5	221596	<b>934,51 ZAR</b>	9
165 x 25 x 25,4	80	50 m/s	5800 rpm	5	221595	<b>970,91 ZAR</b>	9
165 x 25 x 25,4	120	50 m/s	5800 rpm	5	221593	<b>1.022,78 ZAR</b>	9
165 x 25 x 25,4	180	50 m/s	5800 rpm	5	221591	<b>1.091,03 ZAR</b>	9
200 x 50 x 25,4	220	50 m/s	4800 rpm	3	189771	<b>2.850,28 ZAR</b>	9

Prices exclude VAT. Recommended prices.

# Abrasive mop wheels

## Abrasive mop

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:

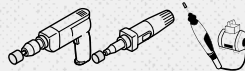
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
250 x 50 x 43,1	80	32 m/s	2450 rpm	2	2750	2.562,20 ZAR	9
250 x 50 x 43,1	120	32 m/s	2450 rpm	2	2485	2.562,20 ZAR	9
250 x 50 x 43,1	150	32 m/s	2450 rpm	2	2483	3.002,53 ZAR	9
250 x 50 x 43,1	180	32 m/s	2450 rpm	2	2482	3.002,53 ZAR	9
250 x 100 x 43,1	120	32 m/s	2450 rpm	1	2740	4.784,14 ZAR	9
250 x 100 x 43,1	150	32 m/s	2450 rpm	1	2741	5.805,03 ZAR	9
250 x 100 x 43,1	180	32 m/s	2450 rpm	1	2742	5.805,03 ZAR	9

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

Abrasive mop

### MM 630



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications:

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



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

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
180 x 25 x 6	80	40 m/s	4200 rpm	2	262630	956,15 ZAR	9
180 x 25 x 6	120	40 m/s	4200 rpm	2	262631	956,15 ZAR	9
180 x 25 x 6	180	40 m/s	4200 rpm	2	262632	956,15 ZAR	9
180 x 50 x 6	80	40 m/s	4200 rpm	2	262634	1.161,95 ZAR	9
180 x 50 x 6	120	40 m/s	4200 rpm	2	262635	1.161,95 ZAR	9
180 x 50 x 6	180	40 m/s	4200 rpm	2	262636	1.161,95 ZAR	9

Prices exclude VAT. Recommended prices.

# Abrasive mop wheels / Satin finishing drums

Abrasive mop



Angle grinder mop

## WSM 617



### Properties

Bonding agent Resin	
Grain	Aluminium oxide

### Applications:

Steel	●
Stainless steel	●
Paint	●
Plastic	●

Wood	●
------	---

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Width in mm	Grit	Thread/Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 20	40	thread M14	80 m/s	13300 rpm	2	277014	514,39 ZAR	9
115 x 20	60	thread M14	80 m/s	13300 rpm	2	277015	514,39 ZAR	9
115 x 20	80	thread M14	80 m/s	13300 rpm	2	277016	544,68 ZAR	9
115 x 20	120	thread M14	80 m/s	13300 rpm	2	277017	544,68 ZAR	9
125 x 20	40	thread M14	80 m/s	12200 rpm	2	277018	544,68 ZAR	9
125 x 20	60	thread M14	80 m/s	12200 rpm	2	277019	544,68 ZAR	9
125 x 20	80	thread M14	80 m/s	12200 rpm	2	277020	577,93 ZAR	9
125 x 20	120	thread M14	80 m/s	12200 rpm	2	277021	577,93 ZAR	9

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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Width x Bore in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 100 x 19	40	19 m/s	3700 rpm	1	83167	1.558,35 ZAR	9
100 x 100 x 19	60	19 m/s	3700 rpm	1	7325	1.558,35 ZAR	9
100 x 100 x 19	80	19 m/s	3700 rpm	1	7326	1.706,57 ZAR	9
100 x 100 x 19	120	19 m/s	3700 rpm	1	93076	1.706,57 ZAR	9
100 x 100 x 19	180	19 m/s	3700 rpm	1	93021	1.860,95 ZAR	9
100 x 100 x 19	240	19 m/s	3700 rpm	1	104999	2.112,04 ZAR	9

Prices exclude VAT. Recommended prices.

# Small abrasive mop

## About the product

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

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

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

## Application examples

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

Type	Material applications															Machine applications			
	Metal	Apparatus / container engineering	Precision engineering	Mould making	Fittings	Pipes	Profiled sections	Tools	Mountings	Cutlery	Wood	Contoured wood	Model construction	Profiled sections	Plastics	Flexible shafts	Drilling machines	Die grinders	Page
KM 613	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	●	●	●	146
KM 615	●	●	●	●	●	●	●	●	●	●			○	○		●	●	●	*
KMT 614	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	●	●	●	148
● = main application    ○ = possible application    * available on request																			

## Minimum order quantities for made to order items

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

## Application recommendations

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

## Factors influencing the grinding result

### Stock removal

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

Steady increased tool / grinding pressure

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

### Surface finish

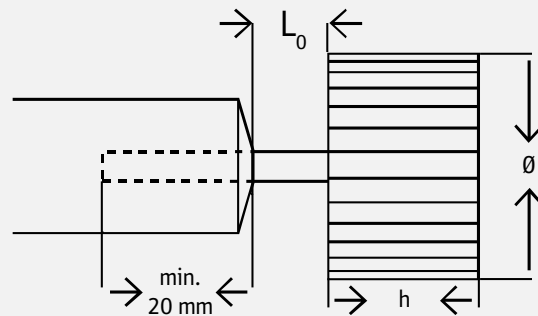
- ▶ The wear of the outer edge of the grinding flaps results in the presentation of new sharp abrasive grain, which results in a uniform surface finish
- ▶ The surface roughness decreases through an increase in the cutting rate
- ▶ An increase in the tool / grinding pressure results in a coarser surface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

### Temperature load

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

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

\* for exposed shank length 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)

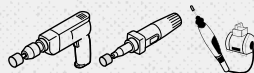
For additional information please refer to the safety information provided with the product.

# 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	2500	3000
Diameter x Width x Shaft in mm					Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/piece ZAR		Discount group										
10 x 10 x 3					60	40 m/s		76300 rpm		10		327993		136,47 ZAR		9										
10 x 10 x 3					80	40 m/s		76300 rpm		10		327994		136,47 ZAR		9										
10 x 10 x 3					120	40 m/s		76300 rpm		10		327995		136,47 ZAR		9										
20 x 15 x 6					80	40 m/s		38150 rpm		25		284738		117,24 ZAR		9										
20 x 15 x 6					120	40 m/s		38150 rpm		25		284739		120,87 ZAR		9										
20 x 20 x 6					60	40 m/s		38150 rpm		25		284744		120,02 ZAR		9										
20 x 20 x 6					80	40 m/s		38150 rpm		25		284745		120,02 ZAR		9										
20 x 20 x 6					120	40 m/s		38150 rpm		25		284746		120,50 ZAR		9										
25 x 10 x 6					60	40 m/s		30500 rpm		10		253591		105,71 ZAR		9										
25 x 15 x 6					60	40 m/s		30500 rpm		10		250985		112,45 ZAR		9										
25 x 15 x 6					80	40 m/s		30500 rpm		10		237496		112,45 ZAR		9										
25 x 15 x 6					120	40 m/s		30500 rpm		10		253606		112,88 ZAR		9										
25 x 20 x 6					80	40 m/s		30500 rpm		10		256138		125,71 ZAR		9										
30 x 5 x 6					80	40 m/s		25400 rpm		10		12791		106,08 ZAR		9										
30 x 5 x 6					120	40 m/s		25400 rpm		10		12793		106,53 ZAR		9										
30 x 5 x 6					150	40 m/s		25400 rpm		10		12794		106,53 ZAR		9										
30 x 10 x 3					60	40 m/s		25400 rpm		10		12808		108,84 ZAR		9										
30 x 10 x 6					40	40 m/s		25400 rpm		10		12816		108,84 ZAR		9										
30 x 10 x 6					60	40 m/s		25400 rpm		10		12817		108,84 ZAR		9										
30 x 10 x 6					80	40 m/s		25400 rpm		10		12818		108,84 ZAR		9										
30 x 10 x 6					100	40 m/s		25400 rpm		10		12819		109,66 ZAR		9										
30 x 10 x 6					120	40 m/s		25400 rpm		10		12820		109,66 ZAR		9										
30 x 10 x 6					150	40 m/s		25400 rpm		10		12821		109,66 ZAR		9										
30 x 10 x 6					240	40 m/s		25400 rpm		10		12823		110,08 ZAR		9										
30 x 10 x 6					320	40 m/s		25400 rpm		10		12824		110,08 ZAR		9										
30 x 15 x 6					40	40 m/s		25400 rpm		10		12843		119,32 ZAR		9										
30 x 15 x 6					60	40 m/s		25400 rpm		10		12844		119,32 ZAR		9										
30 x 15 x 6					80	40 m/s		25400 rpm		10		12845		119,32 ZAR		9										
30 x 15 x 6					100	40 m/s		25400 rpm		10		12846		120,15 ZAR		9										
30 x 15 x 6					120	40 m/s		25400 rpm		10		12847		120,15 ZAR		9										
30 x 15 x 6					150	40 m/s		25400 rpm		10		12848		120,15 ZAR		9										
30 x 15 x 6					240	40 m/s		25400 rpm		10		12850		120,53 ZAR		9										
30 x 20 x 6					80	40 m/s		25400 rpm		10		258294		127,02 ZAR		9										
40 x 10 x 6					120	40 m/s		19000 rpm		10		12874		120,15 ZAR		9										

Prices exclude VAT. Recommended prices.

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	Price/piece ZAR	Discount group
40 x 15 x 6	60	40 m/s	19000 rpm	10	12907	<b>122,52 ZAR</b>	9
40 x 15 x 6	80	40 m/s	19000 rpm	10	12908	<b>122,52 ZAR</b>	9
40 x 15 x 6	120	40 m/s	19000 rpm	10	12910	<b>123,34 ZAR</b>	9
40 x 15 x 6	320	40 m/s	19000 rpm	10	12914	<b>123,77 ZAR</b>	9
40 x 20 x 6	40	40 m/s	19000 rpm	10	12942	<b>128,16 ZAR</b>	9
40 x 20 x 6	60	40 m/s	19000 rpm	10	12943	<b>128,16 ZAR</b>	9
40 x 20 x 6	80	40 m/s	19000 rpm	10	12944	<b>128,16 ZAR</b>	9
40 x 20 x 6	100	40 m/s	19000 rpm	10	12945	<b>128,49 ZAR</b>	9
40 x 20 x 6	120	40 m/s	19000 rpm	10	12946	<b>128,49 ZAR</b>	9
40 x 20 x 6	150	40 m/s	19000 rpm	10	12947	<b>128,49 ZAR</b>	9
40 x 20 x 6	240	40 m/s	19000 rpm	10	12949	<b>129,32 ZAR</b>	9
50 x 10 x 6	60	40 m/s	15200 rpm	10	12961	<b>116,90 ZAR</b>	9
50 x 10 x 6	80	40 m/s	15200 rpm	10	12962	<b>116,90 ZAR</b>	9
50 x 10 x 6	120	40 m/s	15200 rpm	10	12964	<b>117,29 ZAR</b>	9
50 x 15 x 6	40	40 m/s	15200 rpm	10	12978	<b>134,15 ZAR</b>	9
50 x 15 x 6	120	40 m/s	15200 rpm	10	12982	<b>134,92 ZAR</b>	9
50 x 20 x 6	40	40 m/s	15200 rpm	10	12996	<b>144,91 ZAR</b>	9
50 x 20 x 6	60	40 m/s	15200 rpm	10	12997	<b>144,91 ZAR</b>	9
50 x 20 x 6	80	40 m/s	15200 rpm	10	12998	<b>144,91 ZAR</b>	9
50 x 20 x 6	100	40 m/s	15200 rpm	10	12999	<b>145,71 ZAR</b>	9
50 x 20 x 6	120	40 m/s	15200 rpm	10	13000	<b>145,71 ZAR</b>	9
50 x 20 x 6	180	40 m/s	15200 rpm	10	13002	<b>145,71 ZAR</b>	9
50 x 20 x 6	240	40 m/s	15200 rpm	10	13003	<b>146,50 ZAR</b>	9
50 x 30 x 6	40	40 m/s	15200 rpm	10	61282	<b>162,54 ZAR</b>	9
50 x 30 x 6	60	40 m/s	15200 rpm	10	61299	<b>162,54 ZAR</b>	9
50 x 30 x 6	80	40 m/s	15200 rpm	10	61319	<b>162,54 ZAR</b>	9
50 x 30 x 6	100	40 m/s	15200 rpm	10	61333	<b>163,39 ZAR</b>	9
50 x 30 x 6	120	40 m/s	15200 rpm	10	61350	<b>163,39 ZAR</b>	9
50 x 30 x 6	240	40 m/s	15200 rpm	10	71017	<b>164,16 ZAR</b>	9
60 x 15 x 6	240	40 m/s	12700 rpm	10	13021	<b>142,89 ZAR</b>	9
60 x 20 x 6	60	40 m/s	12700 rpm	10	13033	<b>159,74 ZAR</b>	9
60 x 20 x 6	80	40 m/s	12700 rpm	10	13034	<b>159,74 ZAR</b>	9
60 x 20 x 6	320	40 m/s	12700 rpm	10	13040	<b>161,30 ZAR</b>	9
60 x 30 x 6	40	40 m/s	12700 rpm	10	13050	<b>170,55 ZAR</b>	9
60 x 30 x 6	60	40 m/s	12700 rpm	10	13051	<b>170,55 ZAR</b>	9
60 x 30 x 6	80	40 m/s	12700 rpm	10	13052	<b>170,55 ZAR</b>	9
60 x 30 x 6	100	40 m/s	12700 rpm	10	13053	<b>171,41 ZAR</b>	9
60 x 30 x 6	120	40 m/s	12700 rpm	10	13054	<b>171,41 ZAR</b>	9
60 x 30 x 6	240	40 m/s	12700 rpm	10	13057	<b>172,17 ZAR</b>	9
60 x 30 x 6	320	40 m/s	12700 rpm	10	13058	<b>172,17 ZAR</b>	9
60 x 40 x 6	40	40 m/s	12700 rpm	10	13068	<b>210,56 ZAR</b>	9
60 x 40 x 6	60	40 m/s	12700 rpm	10	13069	<b>210,56 ZAR</b>	9
60 x 40 x 6	80	40 m/s	12700 rpm	10	13070	<b>210,56 ZAR</b>	9
60 x 40 x 6	100	40 m/s	12700 rpm	10	13071	<b>211,37 ZAR</b>	9
60 x 40 x 6	120	40 m/s	12700 rpm	10	13072	<b>211,37 ZAR</b>	9
60 x 40 x 6	180	40 m/s	12700 rpm	10	13074	<b>211,37 ZAR</b>	9
60 x 40 x 6	240	40 m/s	12700 rpm	10	13075	<b>212,58 ZAR</b>	9
80 x 30 x 6	60	40 m/s	9500 rpm	10	13141	<b>246,21 ZAR</b>	9
80 x 30 x 6	80	40 m/s	9500 rpm	10	13142	<b>246,21 ZAR</b>	9
80 x 40 x 6	40	40 m/s	9500 rpm	10	13158	<b>303,06 ZAR</b>	9
80 x 40 x 6	60	40 m/s	9500 rpm	10	13159	<b>303,06 ZAR</b>	9

Prices exclude VAT. Recommended prices.

Continuation →

# Small abrasive mop

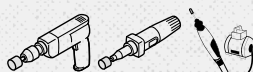
## Abrasive mop

→ 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	Price/piece ZAR	Discount group
80 x 40 x 6	80	40 m/s	9500 rpm	10	13160	<b>303,06 ZAR</b>	9
80 x 40 x 6	120	40 m/s	9500 rpm	10	13162	<b>304,26 ZAR</b>	9
80 x 50 x 6	40	32 m/s	7650 rpm	10	13176	<b>341,88 ZAR</b>	9
80 x 50 x 6	60	32 m/s	7650 rpm	10	13177	<b>341,88 ZAR</b>	9
80 x 50 x 6	80	32 m/s	7650 rpm	10	13178	<b>341,88 ZAR</b>	9
80 x 50 x 6	100	32 m/s	7650 rpm	10	13179	<b>343,45 ZAR</b>	9
80 x 50 x 6	120	32 m/s	7650 rpm	10	13180	<b>343,45 ZAR</b>	9
80 x 50 x 6	240	32 m/s	7650 rpm	10	13183	<b>345,07 ZAR</b>	9

Small abrasive mop, cup-shaped

### KMT 614



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide

#### Applications:

Metals	●
Wood	◐
Plastic	◑

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



Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
60 x 40 x 6	80	40 m/s	12700 rpm	10	13196	<b>242,98 ZAR</b>	9

Prices exclude VAT. Recommended prices.

## Notes



## Abrasive mop





# Non-woven products

## About the product

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

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

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

			Machines											Material applications								
Work step	Type	Tool type	Angle grinder	Drilling machine	Die grinder	Flexible shaft grinder	Back stand grinding machine	Hand tool belt grinder	Right angle die grinder	Orbital sander	Satin finishing machine	Floor standing grinder	Random orbital sander	Fillet weld grinder	Hand sanding	Stainless Steel	Steel	NF metals	Varnish	Plastic	Wood	Page
Light sanding and creating satin finishes	SMT 850 plus	Combi-abrasive mop disc	●													●	○					171
	SMT 800	Non-woven mop disc	●													●	●	●				170
	SV 484	SCM non-woven web disc (universal)	●													●	●	●	○			160
	NDS 800	SCM non-woven web disc (hard, edge)	●													●	●	●	○			160
	NBS 800	SCM non-woven web belt				●										●	●	●				160
	NBF 800	SCM non-woven file belt						●								●	●	●				*
	QMC/QRC 800	SCM Quick Change Disc							●							●	●	●				162, 164
Coarse cleaning, removal of coatings	PW 2000	Power wheel		●	●	●										●	●	○	●			175
	NCD 200	Coarse cleaning disc	●													●	●	○	●			174
	NCD 200 HD	Coarse cleaning disc HD	●													●	●	○	○			174
	QRC 200 HD	Coarse cleaning QCD							●							●	●	○	○			165
Finishing and creating matt finishes	NRO 400	Non-woven web roll, aluminium oxide								●					●	●	●	●	○	○	○	158
	NRO 500	Non-woven web roll, SiC								●					●	●	○	○	●	●	○	158
	NPA 400	Non-woven hand pad, aluminium oxide								●					●	●	●	●	○	○	○	159
	NPA 500	Non-woven hand pad, SiC								●					●	●	○	○	●	●	○	159
	NFW 600 S	Non-woven finishing wheel									●					●	●	●		○		168
	NCW 600 S	Non-woven combi finishing wheel									●					●	●	●		○		168
	NFW 600	Non-woven finishing wheel										●				●	●	●		○		167
	NCW 600	Non-woven combi finishing wheel										●				●	●	●		○		167
	NDS 400 K	Non-woven self-adhesive disc											●			●	●	●	●	●	○	*
	QMC/QRC 400	Non-woven QCD							●							●	●	●	○	○		162, 164
	NFS 600	Non-woven mounted wheel		●	●	●										●	●	●		○		170
	NCS 600	Combi non-woven mounted wheel		●	●	●										●	●	●		○		169
Removal of heat tinting, pre-polishing	NUD 500	Unitised compact disc	●													●	●	●				172
	MFW 600	Unitised compact disc / wheel	●											●		●	●	●				171, 172
	QRC 500	Unitised compact QCD							●							●	●	●				165
	NCO 700 DB	Non-woven convolute wheel														●	●	●		○		173
	NCO 710 DB	Non-woven convolute wheel														●	●	●		○		173

● = main application ○ = possible application \* available on request

# Non-woven products

## Applications guide

### Types of non-woven material

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

Non-woven material is divided into four different categories:

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

#### General benefits of non-woven materials

##### Wide range of applications for finishing

- ▶ The products are available with various grains and densities

#### Exceptionally long service life

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

#### Uniform scratch pattern

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

#### Perfect contouring to the workpiece

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

### Finishing processes, typical work steps



#### Light sanding and creating satin finishes

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



#### Coarse cleaning

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



#### Finishing and creating matt finishes

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



#### Removal of heat tinting and pre-polishing

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



### Non-woven nylon material in four different shapes

#### Non-woven material without fabric lining



NCW 600 (S)



NFW 600 (S)



NDS 400 K



QMC / QRC 400



NPA 400 / 500



NRO 400 / 500



NCS 600



NFS 600

#### Non-woven material with fabric lining



SMT 800 SPECIAL



SMT 850 plus SPECIAL



NBS 800



NBF 800



SV 484



NDS 800



QMC / QRC 800

#### Highly compacted fleece



MFW 600



NUD 500



QRC 500



NCO 700/710 DB

#### Coarse cleaning fleece



PW 2000



NCD 200



QRC 200 HD



NCD 200 HD

# Non-woven products

## Applications guide

### Rolls and sheets

### Minimum order quantities for made to order items

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



### Grit chart

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

**Belts**

**Minimum order quantities for  
made to order items**

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

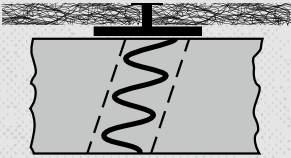
The minimum length for non-woven belts is 270 mm. We reserve the right to over-deliver or under-deliver production items.



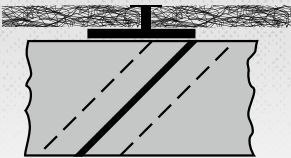
**Grit chart**

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

**Belt joints for non-woven belts**



**Form 3 W**  
Zig-zag butt joint with fabric tape on the rear and additional joint connection on the front. Standard joint for product type NBS 800.



**Form 4 W**  
Bevel cut, butt joint, with fabric tape on the rear and bonding on the face side. Special joint for non-woven file belts, product type NBF 800.

Quick Change Discs

Minimum order quantities for  
made to order items

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

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



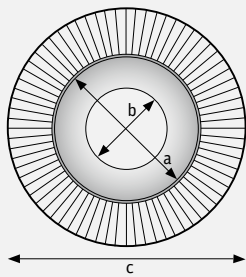
Grit chart for QRC/QMC 800

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

## Abrasive mop

### Minimum order quantities for made to order items

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



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

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

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

\* applies to standard versions (stock items)

# Non-woven web

## Rolls

Non-woven web roll, waterproof

### NRO 400



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material

#### Applications:

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

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

Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 10000	maroon	medium	1	284286	<b>1.241,35 ZAR</b>	1
100 x 10000	maroon	very fine	1	284285	<b>1.139,08 ZAR</b>	1
100 x 10000	dark green	very fine general purpose	1	284289	<b>827,22 ZAR</b>	1
150 x 10000	maroon	medium	1	284280	<b>1.986,20 ZAR</b>	1
150 x 10000	maroon	fine	1	284340	<b>1.822,62 ZAR</b>	1
150 x 10000	dark green	very fine general purpose	1	284281	<b>1.323,52 ZAR</b>	1
150 x 10000	maroon	very fine	1	284283	<b>1.822,62 ZAR</b>	1

Non-woven web roll, waterproof

### NRO 500



#### Properties

Bonding agent	Resin
Grain	SiC
Non-woven material type	Soft non-woven material

#### Applications:

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

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

Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 10000	grey	ultra fine	1	284284	<b>1.139,08 ZAR</b>	1
150 x 10000	grey	ultra fine	1	284282	<b>1.822,62 ZAR</b>	1

Prices exclude VAT. Recommended prices.



# Non-woven web

## Pads



Non-woven web hand pad, waterproof

### NPA 400



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material

#### Applications:

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

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

Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
152 x 229	maroon	medium	20	284290	4.235,36 ZAR	5
152 x 229	maroon	fine	20	287115	3.902,26 ZAR	5
152 x 229	dark green	very fine general purpose	20	284277	2.886,00 ZAR	5
152 x 229	maroon	very fine	20	284278	3.902,26 ZAR	5

Non-woven web hand pad, waterproof

### NPA 500



#### Properties

Bonding agent	Resin
Grain	SiC
Non-woven material type	Soft non-woven material

#### Applications:

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

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

Width x Length in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
152 x 229	grey	ultra fine	20	284279	7.804,48 ZAR	5
152 x 229	white	without grain	20	342850	5.944,49 ZAR	5

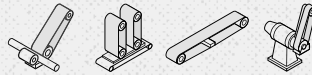
Prices exclude VAT. Recommended prices.

# Non-woven web

Belts / Discs

SCM standard belt

## NBS 800



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Non-woven material with fabric lining

### Applications:

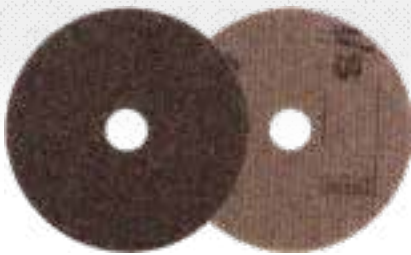
Stainless steel	●
NF metals	●
Metals	○

**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

All sizes and minimum purchasing quantities available on request

SCM disc, waterproof

## SV 484



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Non-woven material with fabric lining

### Applications:

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

**Advantages:** Universal non-woven web disc with outstanding price-performance ratio - Soft and elastic grinding - Can be used wet and dry - With center hole for easy mounting, secure hold and smooth running on backing plates with centering - Also suited for backing pads without centering and fiber discs backing plates with clamping screw

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

All sizes and minimum purchasing quantities available on request

SCM disc, waterproof

## NDS 800



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Non-woven material with fabric lining

### Applications:

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

**Advantages:** High edge stability - Aggressive abrasive behaviour - Long service life - Can be used for wet and dry grinding - With expressible center hole for easy mounting, secure hold and smooth running on backing plates with centering - Also suited for backing pads without centering and fiber discs backing plates with clamping screw

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

Diameter x Bore in mm	Grit	Colour	Grade	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
180	100	maroon	medium	10	262138	266,60 ZAR	5

Prices exclude VAT. Recommended prices.

# Non-woven web

## Backing pads



Self-fastening backing pad for SCM discs

### NDS 555



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

Diameter in mm	Thread/Shaft	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115	thread M14	13300 rpm	1	164100	<b>617,71 ZAR</b>	14

Self-fastening backing pad for SCM discs with center hole

### NDS 555 C



**Advantages:** Easy and always centric positioning of the non-woven web discs - Good adhesion due to special self-fastening hooks - Less vibrations, stable running - No loosening of the discs, even with decreasing adhesion - Adaptable, for surfaces and light contours

Diameter in mm	Thread/Shaft	Suitable for	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115	thread M14	Diameter 115 x 22	13300 rpm	1	358126	<b>630,06 ZAR</b>	14
125	thread M14	Diameter 125 x 22	12200 rpm	1	358127	<b>683,75 ZAR</b>	14

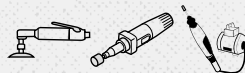
Prices exclude VAT. Recommended prices.

## Non-woven web

### Quick Change Discs

Non-woven web quick change disc

#### QMC 400



##### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material

##### Applications:

Paint/Varnish/Filler	●
Stainless steel	●
Metals	●

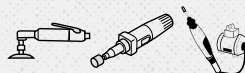
**Advantages:** Suitable for surface finishing work - For cleaning work on metals and painted surfaces

Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
50	bordeaux	medium	50	295392	4.347,36 ZAR	5
50	bordeaux	fine	50	295393	4.086,49 ZAR	5
50	bordeaux	very fine	50	295394	3.999,53 ZAR	5

Backing pad see page 000 / Adapter page 000.

SCM quick change disc

#### QMC 800



##### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Non-woven material with fabric lining

##### Applications:

Metals	●
Stainless steel	●
Paint/Varnish/Filler	●

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

Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
50	grey	coarse	50	295410	8.336,75 ZAR	5
50	violet	medium	50	295411	7.939,84 ZAR	5
50	blue	very fine	50	295412	7.304,73 ZAR	5
76	grey	coarse	25	295416	12.505,13 ZAR	5
76	violet	medium	25	295417	11.909,76 ZAR	5
76	blue	very fine	25	295418	10.957,23 ZAR	5

Backing pad see page 000 / Adapter page 000.

Prices exclude VAT. Recommended prices.

# Quick Disc Connect

Backing pads



Backing pad

## QMC 555



**Advantages:** For secure mounting of QMC discs - Optimized abrasive properties (aggressiveness, surface quality) due to three hardnesses - Easy differentiation of the hardnesses through coloured rings - Fixing spindle can be unscrewed, therefore the use on angle grinder or with adapter QCA 555 is possible via 1/4"-20 thread

Diameter in mm	Thread/Shaft	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
25	Shaft 6 mm	soft	grey	30000 rpm	1	300056	<b>402,00 ZAR</b>	14
25	Shaft 6 mm	medium	blue	30000 rpm	1	295422	<b>395,12 ZAR</b>	14
38	Shaft 6 mm	soft	grey	30000 rpm	1	300058	<b>411,24 ZAR</b>	14
38	Shaft 6 mm	medium	blue	30000 rpm	1	295424	<b>403,57 ZAR</b>	14
38	Shaft 6 mm	firm	red	30000 rpm	1	300059	<b>447,36 ZAR</b>	14
50	Shaft 6 mm	soft	grey	30000 rpm	1	300060	<b>440,45 ZAR</b>	14
50	Shaft 6 mm	medium	blue	30000 rpm	1	295426	<b>440,45 ZAR</b>	14
50	Shaft 6 mm	firm	red	30000 rpm	1	295427	<b>478,07 ZAR</b>	14
76	Shaft 6 mm	soft	grey	20000 rpm	1	300061	<b>467,32 ZAR</b>	14
76	Shaft 6 mm	medium	blue	20000 rpm	1	295430	<b>467,32 ZAR</b>	14
76	Shaft 6 mm	firm	red	20000 rpm	1	295431	<b>528,76 ZAR</b>	14

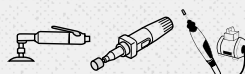
Prices exclude VAT. Recommended prices.

# Non-woven web

## Quick Change Discs

Non-woven web quick change disc

### QRC 400



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material

#### Applications:

Paint/Varnish/Filler	●
Stainless steel	●
Metals	●

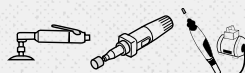
**Advantages:** Suitable for surface finishing work - For cleaning work on metals and painted surfaces

All sizes and minimum purchasing quantities available on request

Backing pad see page 000 / Adapter page 000.

SCM quick change disc

### QRC 800



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Non-woven material with fabric lining

#### Applications:

Metals	●
Stainless steel	●
Paint/Varnish/Filler	●

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

Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
50	grey	coarse	50	295413	8.336,75 ZAR	5
50	violet	medium	50	295414	7.939,84 ZAR	5
50	blue	very fine	50	295415	7.304,73 ZAR	5
76	grey	coarse	25	295419	12.505,13 ZAR	5
76	violet	medium	25	295420	11.909,76 ZAR	5

Backing pad see page 000 / Adapter page 000.

Prices exclude VAT. Recommended prices.



Unitized Quick Change Discs

### QRC 500



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide/SiC
Non-woven material type	Highly compacted material made of compressed non-woven web layers

#### Applications:

Stainless steel	●	NF metals	●
Titanium	●	Aluminium	●
Steel	●		
High alloy steel	●		

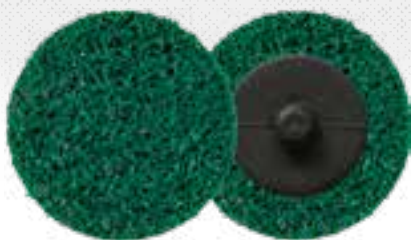
**Advantages:** Very long service life - Very fine, constant and brilliant surface pattern - Versatile, depending on density and structure (removal to polishing) - Very suitable for hard-to-reach areas (e.g. inside corners) - Can be used on the face and surface - Free of metallic ingredients

Diameter in mm	Colour	Grade	Density	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
51	grey	fine	2 SF soft	10	358978	20.868,72 ZAR	5
51	grey	fine	3 SF medium soft	10	358981	21.966,28 ZAR	5
51	grey	fine	6 SF hard	10	358979	24.602,22 ZAR	5
51	maroon	coarse	8 AC very hard	10	358980	29.195,40 ZAR	5
76	grey	fine	2 SF soft	5	358982	31.303,09 ZAR	5
76	grey	fine	3 SF medium soft	5	358985	32.949,02 ZAR	5
76	grey	fine	6 SF hard	5	358983	36.902,89 ZAR	5
76	maroon	coarse	8 AC very hard	5	358984	43.793,55 ZAR	5

Backing pad see page 000 / Adapter page 000.

Quick Change Disc, Clean and Strip

### QRC 200 HD



#### Properties

Bonding agent	Resin
Grain	Ceramic coated aluminium oxide
Non-woven material type	Clean and strip material

#### Applications:

Stainless steel	●
Steel	●
NF metals	●
Paint/Varnish/Filler	●

**Advantages:** Hard, aggressive cleaning fleece for heavy-duty use - Open structure, no clogging and cool grinding - Fast work progress and long service life - No change in workpiece geometry in metal applications - Can be used on the face and surface

Diameter in mm	Colour	Grade	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
51	green	extra coarse	10	358993	10.730,39 ZAR	5
76	green	extra coarse	5	358994	16.095,39 ZAR	5

Backing pad see page 000 / Adapter page 000.

Prices exclude VAT. Recommended prices.

## Quick Roll Connect

Backing pads / Adapter

Backing pad

### QRC 555



**Advantages:** For secure mounting of QRC discs - Optimized abrasive properties (aggressiveness, surface quality) due to two hardnesses - Easy differentiation of the hardnesses through coloured rings - Fixing spindle can be unscrewed, therefore the use on angle grinder or with adapter QCA 555 is possible via 1/4"-20 thread

Diameter in mm	Thread/Shaft	Density	Colour	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
25	Shaft 6 mm	medium	blue	30000 rpm	1	295423	<b>439,24 ZAR</b>	14
38	Shaft 6 mm	medium	blue	30000 rpm	1	295425	<b>448,61 ZAR</b>	14
50	Shaft 6 mm	medium	blue	30000 rpm	1	295428	<b>489,63 ZAR</b>	14
50	Shaft 6 mm	firm	red	30000 rpm	1	295429	<b>531,49 ZAR</b>	14
76	Shaft 6 mm	medium	blue	20000 rpm	1	295432	<b>519,44 ZAR</b>	14
76	Shaft 6 mm	firm	red	20000 rpm	1	295433	<b>587,76 ZAR</b>	14

Adapter for quick change disc backing pad

### QCA 555



**Advantages:** Quick Change Disc Adapter with M14 female thread and 1/4"-20 male 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	Price/piece ZAR	Discount group
20 x 30	thread M14	80 m/s	75400 rpm	1	308693	<b>383,53 ZAR</b>	14

Prices exclude VAT. Recommended prices.

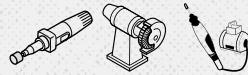
# Non-woven web

## Abrasive mop



Combi non-woven web mop

### NCW 600



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material + abrasive cloth flaps

#### Applications:

Stainless steel	●
Metals	●
Plastic	○

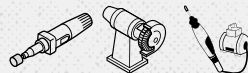
**Advantages:** Combination of non-woven and abrasive cloth flaps for a fine surface scratch pattern - Optimal wear properties - High removal rate - Long service life

Diameter x Width x Bore in mm	Grit	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
165 x 50 x 43,1	100	medium	maroon	32 m/s	3700 rpm	3	258910	1.677,18 ZAR	9
165 x 50 x 43,1	180	very fine	maroon	32 m/s	3700 rpm	3	258912	1.677,18 ZAR	9

Use only with mounting plate SMD 612 (page 000)!

Non-woven web mop

### NFW 600



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material

#### 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	Price/piece ZAR	Discount group
200 x 50 x 68,2	coarse	maroon	32 m/s	3050 rpm	2	258901	1.463,24 ZAR	9
200 x 50 x 68,2	medium	maroon	32 m/s	3050 rpm	2	258902	1.620,36 ZAR	9
200 x 50 x 68,2	very fine	maroon	32 m/s	3050 rpm	2	258903	1.498,07 ZAR	9

Use only with mounting plate SMD 612 (page 000)!

Prices exclude VAT. Recommended prices.

# Non-woven web

## Abrasive mop

Combi non-woven web drum

### NCW 600 S



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material + abrasive cloth flaps

#### 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	Price/piece ZAR	Discount group
100 x 50 x 19	80	coarse	maroon	19 m/s	3700 rpm	3	259896	<b>1.075,13 ZAR</b>	9
100 x 50 x 19	100	medium	maroon	19 m/s	3700 rpm	3	259897	<b>1.075,13 ZAR</b>	9
100 x 50 x 19	150	medium	maroon	19 m/s	3700 rpm	3	259898	<b>1.075,13 ZAR</b>	9
100 x 50 x 19	180	very fine	maroon	19 m/s	3700 rpm	3	259899	<b>1.075,13 ZAR</b>	9
100 x 100 x 19	80	coarse	maroon	19 m/s	3700 rpm	1	258905	<b>1.518,09 ZAR</b>	9
100 x 100 x 19	100	medium	maroon	19 m/s	3700 rpm	1	258906	<b>1.518,09 ZAR</b>	9
100 x 100 x 19	150	medium	maroon	19 m/s	3700 rpm	1	258907	<b>1.518,09 ZAR</b>	9
100 x 100 x 19	180	very fine	maroon	19 m/s	3700 rpm	1	258908	<b>1.518,09 ZAR</b>	9
110 x 100 x 19	80	coarse	maroon	19 m/s	3300 rpm	1	320246	<b>1.638,40 ZAR</b>	9
110 x 100 x 19	100	medium	maroon	19 m/s	3300 rpm	1	320247	<b>1.638,40 ZAR</b>	9
110 x 100 x 19	150	medium	maroon	19 m/s	3300 rpm	1	320248	<b>1.638,40 ZAR</b>	9
110 x 100 x 19	180	very fine	maroon	19 m/s	3300 rpm	1	320249	<b>1.638,40 ZAR</b>	9

Non-woven web drum

### NFW 600 S



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material

#### 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	Price/piece ZAR	Discount group
100 x 50 x 19	coarse	maroon	19 m/s	3700 rpm	3	259853	<b>920,33 ZAR</b>	9
100 x 50 x 19	medium	maroon	19 m/s	3700 rpm	3	259854	<b>920,33 ZAR</b>	9
100 x 50 x 19	very fine	maroon	19 m/s	3700 rpm	3	259895	<b>920,33 ZAR</b>	9
100 x 100 x 19	coarse	maroon	19 m/s	3700 rpm	1	258895	<b>1.423,44 ZAR</b>	9
100 x 100 x 19	medium	maroon	19 m/s	3700 rpm	1	258896	<b>1.423,44 ZAR</b>	9

Prices exclude VAT. Recommended prices.

Continuation →

# Non-woven web

## Abrasive mop

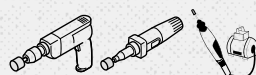


→ Continuation of NFW 600 S, Non-woven web drum

Diameter x Width x Bore in mm	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 100 x 19	very fine	maroon	19 m/s	3700 rpm	1	258897	<b>1.423,44 ZAR</b>	9
110 x 100 x 19	coarse	maroon	19 m/s	3300 rpm	1	320253	<b>1.599,76 ZAR</b>	9
110 x 100 x 19	medium	maroon	19 m/s	3300 rpm	1	320254	<b>1.599,76 ZAR</b>	9
110 x 100 x 19	very fine	maroon	19 m/s	3300 rpm	1	320255	<b>1.599,76 ZAR</b>	9

Combi non-woven web spindle mop

## NCS 600



### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material + abra- sive cloth flaps

### Applications:

Stainless steel	●
Metals	●
Plastic	○

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

Diameter x Width x Shaft in mm	Grit	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
50 x 30 x 6	100	medium	maroon	32 m/s	12200 rpm	10	258933	<b>302,41 ZAR</b>	9
50 x 30 x 6	240	very fine	maroon	32 m/s	12200 rpm	10	258935	<b>338,03 ZAR</b>	9
60 x 50 x 6	100	medium	maroon	32 m/s	10200 rpm	10	258941	<b>491,16 ZAR</b>	9
60 x 50 x 6	240	very fine	maroon	32 m/s	10200 rpm	10	258943	<b>491,16 ZAR</b>	9
80 x 50 x 6	60	coarse	maroon	32 m/s	7600 rpm	10	258944	<b>618,66 ZAR</b>	9
80 x 50 x 6	100	medium	maroon	32 m/s	7600 rpm	10	258945	<b>618,66 ZAR</b>	9

Prices exclude VAT. Recommended prices.

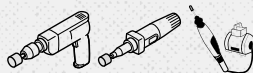


## Non-woven web

Abrasive mop / Abrasive mop discs

Non-woven web spindle mop

### NFS 600



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Non-woven material type	Soft non-woven material

#### 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	Price/piece ZAR	Discount group
50 x 30 x 6	coarse	maroon	32 m/s	12200 rpm	10	258917	<b>273,22 ZAR</b>	9
80 x 50 x 6	coarse	maroon	32 m/s	7600 rpm	10	258926	<b>488,20 ZAR</b>	9
80 x 50 x 6	medium	maroon	32 m/s	7600 rpm	10	258927	<b>488,20 ZAR</b>	9
80 x 50 x 6	very fine	maroon	32 m/s	7600 rpm	10	258928	<b>488,20 ZAR</b>	9

Non-woven mop disc

### SMT 800 SPECIAL



#### Properties

Grain	Aluminium oxide
Non-woven material type	Non-woven material with fabric lining
Backing plate	Glass fibre
Design	Convex 12°

#### Applications:

Stainless steel	●
Steel	●

**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	Price/piece ZAR	Discount group
115 x 22,23		coarse	brown	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278495	<b>265,38 ZAR</b>	10
115 x 22,23		medium	maroon	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278496	<b>265,38 ZAR</b>	10
115 x 22,23		very fine	green	80 m/s	13300 rpm	42 m/s	7000 rpm	5	278497	<b>265,38 ZAR</b>	10

Prices exclude VAT. Recommended prices.



Abrasive mop discs / Unitized discs






# SMT 850 plus SPECIAL

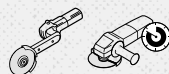


Properties		Applications:
Grain	Aluminium oxide	Stainless steel
Non-woven material type	Non-woven material with fabric lining+ abrasive cloth flaps	
Backing plate	Glass fibre	
Design	Convex 12°	

**Advantages:** High-quality combi surface conditioning 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	Price/piece ZAR	Discount group
115 x 22,23		60	coarse	brown	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312556	<b>1.170,47 ZAR</b>	10
115 x 22,23		80	medium	maroon	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312557	<b>1.170,47 ZAR</b>	10
115 x 22,23		120	very fine	green	80 m/s	13300 rpm	42 m/s	7000 rpm	5	312558	<b>1.170,47 ZAR</b>	10

# MFW 600



Properties		Applications:	
Bonding agent	Resin	Steel	●
Grain	SiC	Stainless steel	●
Non-woven material type	Highly compacted material made of compressed non-woven web layers	NF metals	●

**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	Price/piece ZAR	Discount group
125 x 6 x 22	coarse	red	59 m/s	9000 rpm	5	342218	<b>1.940,60 ZAR</b>	9
125 x 6 x 22	medium	grey	59 m/s	9000 rpm	5	342219	<b>1.740,58 ZAR</b>	9
125 x 6 x 22	fine	grey	39 m/s	5900 rpm	5	342237	<b>1.553,84 ZAR</b>	9
150 x 6 x 22	coarse	red	47 m/s	6000 rpm	5	311867	<b>2.081,66 ZAR</b>	9
150 x 6 x 22	medium	grey	47 m/s	6000 rpm	5	311868	<b>1.945,73 ZAR</b>	9
150 x 6 x 22	fine	grey	47 m/s	6000 rpm	5	311869	<b>1.827,45 ZAR</b>	9

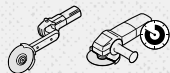
Prices exclude VAT. Recommended prices.

## Non-woven web

### Unitized discs

High performance non-woven web wheels

## MFW 600 Set



#### Properties

Bonding agent	Resin
Grain	SiC
Non-woven material type	Highly compacted material made of compressed non-woven web layers

#### Applications:

Steel	●
Stainless steel	●
NF metals	●

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

Diameter x Width x Bore in mm	Packing unit/pcs.	Cat. number	Price/100 pieces ZAR	Discount group
150 x 6 x 22	1	313884	968.328,86 ZAR	9

Unitized disc

## NUD 500



#### Properties

Bonding agent	Resin
Grain	SiC
Non-woven material type	Highly compacted material made of compressed non-woven web layers

#### Applications:

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

Backing plate Glass fibre

Design Flat

**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	Price/piece ZAR	Discount group
115 x 13 x 22,23	coarse	grey	63 m/s	10450 rpm	5800 rpm	5	337864	2.024,37 ZAR	9
115 x 13 x 22,23	medium	grey	63 m/s	10450 rpm	5800 rpm	5	337865	1.643,58 ZAR	9
115 x 13 x 22,23	very fine	grey	63 m/s	10450 rpm	5800 rpm	5	337866	1.429,82 ZAR	9
125 x 13 x 22,23	coarse	grey	63 m/s	9600 rpm	5300 rpm	5	337861	2.069,29 ZAR	9
125 x 13 x 22,23	medium	grey	63 m/s	9600 rpm	5300 rpm	5	337862	1.663,33 ZAR	9
125 x 13 x 22,23	very fine	grey	63 m/s	9600 rpm	5300 rpm	5	337863	1.442,39 ZAR	9

Prices exclude VAT. Recommended prices.

Non-woven convolute wheels

### NCO 700 DB



#### Properties

Bonding agent	Resin
Grain	SiC
Non-woven material type	Highly compacted material made of wound non-woven web layers

#### Applications:

Stainless steel	●	NF metals	●
Titanium/Alloy	●	Aluminium	●
Steel	●	Plastic	○
High alloy steel	●		

**Advantages:** Open structure, no clogging - Excellent satin finish with very low surface roughness - Good service life, consistent, reproducible finish - Removal of medium (7SF) to heavy burrs (9SF) without secondary burr formation - Cost-effective version with excellent price/performance ratio for applications with lower rotational speeds

Diameter x Width x Bore in mm	Colour	Grade	Density	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
152,4 x 25,4 x 25,4	grey	fine	7 SF	47 m/s	6000 rpm	2	366498	<b>1.399,14 ZAR</b>	5
152,4 x 25,4 x 25,4	grey	fine	8 SF	47 m/s	6000 rpm	2	366499	<b>1.479,50 ZAR</b>	5
152,4 x 25,4 x 25,4	grey	fine	9 SF	47 m/s	6000 rpm	2	366500	<b>1.545,26 ZAR</b>	5
152,4 x 51 x 25,4	grey	fine	7 SF	47 m/s	6000 rpm	1	368657	<b>2.898,80 ZAR</b>	5
203,2 x 51 x 76,2	grey	fine	7 SF	36 m/s	3450 rpm	1	367522	<b>3.261,01 ZAR</b>	5
203,2 x 51 x 76,2	grey	fine	8 SF	36 m/s	3450 rpm	1	367523	<b>3.391,30 ZAR</b>	5
203,2 x 51 x 76,2	grey	fine	9 SF	36 m/s	3450 rpm	1	367524	<b>3.567,87 ZAR</b>	5

Non-woven convolute wheels

### NCO 710 DB



#### Properties

Bonding agent	Resin
Grain	SiC
Non-woven material type	Highly compacted material made of wound non-woven web layers

#### Applications:

Stainless steel	●	NF metals	●
Titanium/Alloy	●	Aluminium	●
Steel	●	Plastic	○
High alloy steel	●		

**Advantages:** Open structure, no clogging - Produces an excellent satin finish with very low surface roughness - Long service life, consistent and reproducible finish - Removal of medium (7SF) to heavy burrs (9SF) without secondary burr formation - Premium version with excellent service life and performance

Diameter x Width x Bore in mm	Colour	Grade	Density	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
152,4 x 25,4 x 25,4	grey	fine	7 SF	47 m/s	6000 rpm	2	366877	<b>2.514,55 ZAR</b>	5
152,4 x 25,4 x 25,4	grey	fine	8 SF	47 m/s	6000 rpm	2	366907	<b>2.728,87 ZAR</b>	5
152,4 x 25,4 x 25,4	grey	fine	9 SF	47 m/s	6000 rpm	2	366909	<b>2.912,74 ZAR</b>	5
152,4 x 51 x 25,4	grey	fine	7 SF	47 m/s	6000 rpm	1	383447	<b>4.917,24 ZAR</b>	5
203,2 x 25,4 x 76,2	grey	fine	7 SF	47 m/s	4500 rpm	2	368727	<b>2.741,04 ZAR</b>	5
203,2 x 51 x 76,2	grey	fine	7 SF	47 m/s	4500 rpm	1	367525	<b>4.419,04 ZAR</b>	5
203,2 x 51 x 76,2	grey	fine	8 SF	47 m/s	4500 rpm	1	367526	<b>4.861,06 ZAR</b>	5
203,2 x 51 x 76,2	grey	fine	9 SF	47 m/s	4500 rpm	1	367527	<b>5.506,44 ZAR</b>	5

Prices exclude VAT. Recommended prices.

## Non-woven web

### Clean and strip discs

Clean and strip disc, extra coarse

#### NCD 200



##### Properties

Bonding agent	Resin
Grain	SiC
Non-woven material type	Clean and strip material
Backing plate	Glass fibre
Design	Flat

##### Applications:

Stainless steel	●
Steel	●
NF metals	●
Paint/Varnish/Filler	●

Plastic	●
---------	---

**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	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		black	63 m/s	10450 rpm	5	259043	382,60 ZAR	9

Clean and strip disc, heavy duty

#### NCD 200 HD



##### Properties

Bonding agent	Resin
Grain	Ceramic coated aluminium oxide
Non-woven material type	Clean and strip material
Backing plate	Glass fibre
Design	Flat

##### Applications:

Stainless steel	●
Steel	●
NF metals	●
Paint/Varnish/Filler	●

**Advantages:** Hard, aggressive non-woven version for higher loads - Open structure - No clogging - Cool grinding - Fast work progress and long service life - No change in workpiece contour

Diameter x Bore in mm	Form	Grade	Colour	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		extra coarse	green	63 m/s	10450 rpm	5	358003	459,12 ZAR	9
125 x 22,23		extra coarse	green	63 m/s	9600 rpm	5	358004	505,97 ZAR	9

Prices exclude VAT. Recommended prices.

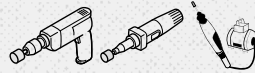
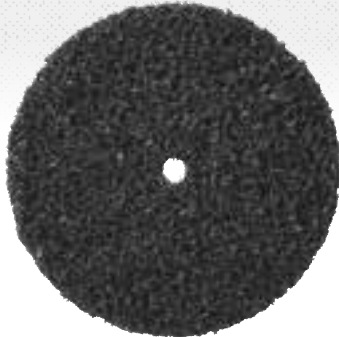
# Non-woven web

## Power Wheel



Clean and Strip Power Wheel, extra coarse

### PW 2000



#### Properties

Bonding agent	Resin
Grain	SiC
Non-woven material type	Clean and strip material

#### Applications:

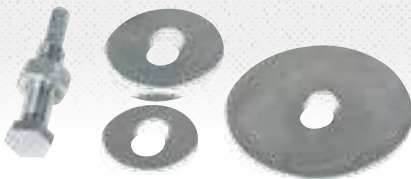
Paint/Varnish/Filler	●
Plastic	●
Metals	●
Stone	●

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

Diameter x Width x Bore in mm	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 13 x 13	40 m/s	7600 rpm	10	194625	298,85 ZAR	9
150 x 13 x 13	40 m/s	5000 rpm	10	194626	498,86 ZAR	9

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

Diameter in mm	Suitable for	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
6	1 wheel Ø 100 - Ø 200	1	194629	406,95 ZAR	14
8	1-2 wheels Ø 100 - Ø 200	1	194632	490,77 ZAR	14

Prices exclude VAT. Recommended prices.







# 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	Finish grinding	Welded seam work	Edge work; bevelling	Deburring, levelling	
<b>SMT 314 EXTRA</b>		●			●	●	○		●	●		182
<b>SMT 324 EXTRA</b>		●	●	●				●				*
<b>SMT 324 EXTRA</b>		●	●	●					●	●		183
<b>SMT 325 EXTRA</b>		●	●	●				●				*
<b>SMT 325 EXTRA</b>		●	●	●					●	●		*
<b>SMT 624 SUPRA</b>		●	●	●					●	●		183
<b>SMT 626 SUPRA</b>		●	●	●					●	●	●	185
<b>SMT 628 SUPRA</b>		●	●	●				●				184
<b>SMT 636 SUPRA</b>			●	●	○	○		●				*
<b>SMT 636 SUPRA</b>			●	●	○	○			●	●		*
<b>SMT 644 SUPRA</b>		●	●	●				●				*
<b>SMT 644 SUPRA</b>		●	●	●					●	●		186
<b>SMT 645 SUPRA</b>		●	●	●				●				*
<b>SMT 674 SUPRA</b>		●	●						●			186
<b>SMT 674 SUPRA</b>		●	●					●				186
<b>SMT 924 SPECIAL</b>		●	●						●	●	●	187
<b>SMT 925 SPECIAL</b>		●	●	●				●				*
<b>SMT 925 SPECIAL</b>		●	●	●					●	●		*
<b>SMT 926 SPECIAL</b>		●	●	●					●	●	●	189
<b>SMT 974 SPECIAL</b>		●	●						●	●	●	188
<b>SMT 975 SPECIAL</b>		●	●						●	●	●	188
<b>SMT 976 SPECIAL</b>			●		○	○			●	●	●	190
<b>SMT 996 SPECIAL</b>			●	●				●				*
<b>SMT 996 SPECIAL</b>			●	●					●	●	●	190
<b>MST 624 SUPRA</b>		●	●								●	191
<b>MST 924 SPECIAL</b>		●	●								●	191

● = main application ○ = possible application \* available on request

# Abrasive mop discs

## Applications guide

### 1. Red bar

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

### 2. Safety recommendations

oSa label

### 3. Dimensions

Product dimensions in mm and inches

### 4. Punch ring

Manufacturer information, no expiry date

### 5. Grit size

### 6. Cat. number

### 7. Safety recommendations

Language neutral pictograms

### 8. Product group

Extra/Supra/Special

### 9. Product name

Type



## Product groups

Klingspor offers three integrated product groups. For each user and application we offer the right abrasive mop disc. All abrasive mop discs are manufactured according to the applicable standards and guarantee the highest degree of safety.



### EXTRA

Ideal price-performance ratio for universal implementation. Excellent grinding results on different steel materials.



### SUPRA

Professional products with excellent service life and high stock removal rate. Aggressive grinding and long service life.



### SPECIAL

High performance products for special industrial and trade applications. High performance and service life even when used intensively.

## Product structure

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

### 1. Grinding flaps

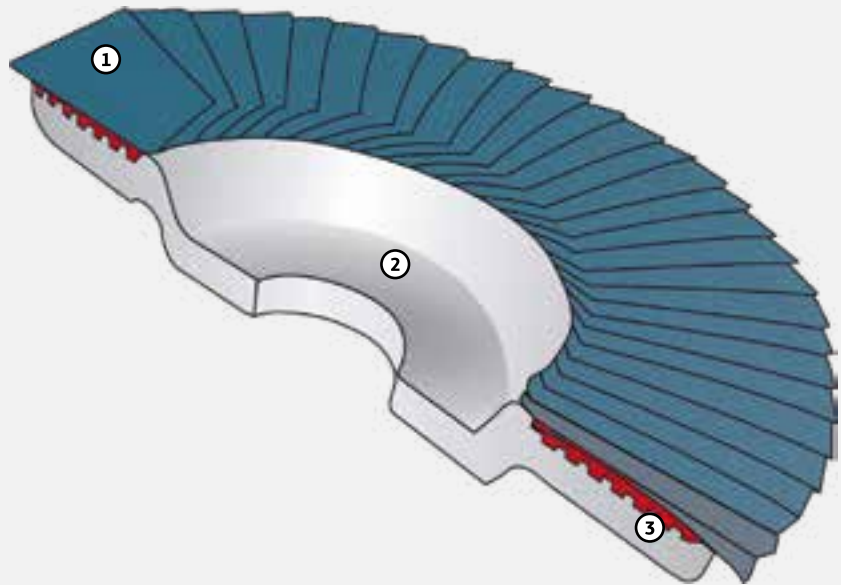
Klingspor has developed special coated abrasives for its abrasive mop discs. The grinding tool is perfect for use with high speed angle grinders (80 m/s) and corresponding applications. This ensures top grinding performance and long service life.

### 2. Backing plate

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

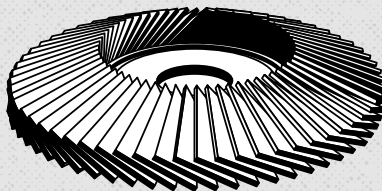
### 3. Glue

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

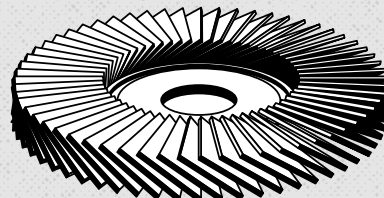


## Form

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



convex



flat

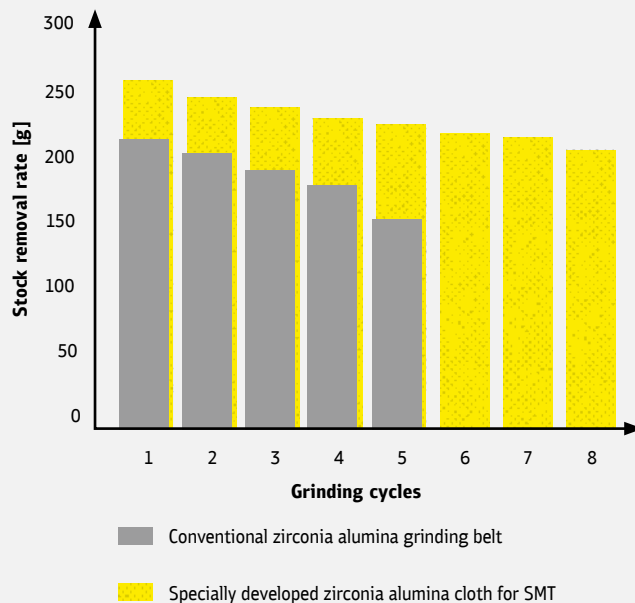


# Abrasive mop discs

## Applications guide

### Coated abrasives

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



Do not use for wet grinding



Correctly mounted



Incorrectly mounted



# The Klingspor *CEVOLUTION*

The four new abrasive mop discs in the Klingspor range all have one thing in common – they all feature the new CEVOLUTION technology.

Klingspor products with CEVOLUTION technology are more powerful than comparable other ceramic abrasives. In most applications the new products offer more aggressiveness and an extended service life.

The extra performance of products with CEVOLUTION technology results from the combination of an aggressive, self-sharpening ceramic grit with the unique Klingspor know-how regarding grit mixture, grit sizes, grit quantities, formulation of pre- and postcoat, multi-bond as well as special manufacturing processes.

All of these individual elements are specifically matched by the Klingspor developers for each different mop disc variant/type. This results in optimised products that will meet the requirements of the metalworking professional.



## Four newcomers for Klingspor

**Klingspor expands the abrasive mop disc range**

**SMT 975 –  
the durable one**



**SMT 674 –  
the efficient one**



**SMT 976 –  
the cool one**



**SMT 974 –  
the solid one**



▼ Microscope image of one of the new abrasives with CEVOLUTION technology





## Abrasive mop discs

Abrasive mop disc

**SMT 314**  
**EXTRA**



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














Applications:	
Steel	●
NF metals	●
Wood	○



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

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Diameter x Bore in mm			Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/piece ZAR		Discount group											
115 x 22,23				36	80 m/s		13300 rpm		10		322808		107,35 ZAR		10											
115 x 22,23				40	80 m/s		13300 rpm		10		322809		107,35 ZAR		10											
115 x 22,23				60	80 m/s		13300 rpm		10		322811		107,35 ZAR		10											
115 x 22,23				80	80 m/s		13300 rpm		10		322812		107,35 ZAR		10											
115 x 22,23				120	80 m/s		13300 rpm		10		322813		107,35 ZAR		10											
125 x 22,23				36	80 m/s		12200 rpm		10		322814		148,15 ZAR		10											
125 x 22,23				40	80 m/s		12200 rpm		10		322815		148,15 ZAR		10											
125 x 22,23				60	80 m/s		12200 rpm		10		322817		148,15 ZAR		10											
125 x 22,23				80	80 m/s		12200 rpm		10		322818		148,15 ZAR		10											
125 x 22,23				120	80 m/s		12200 rpm		10		322819		148,15 ZAR		10											
180 x 22,23				40	80 m/s		8500 rpm		10		322821		288,77 ZAR		10											
180 x 22,23				60	80 m/s		8500 rpm		10		322822		288,77 ZAR		10											
180 x 22,23				80	80 m/s		8500 rpm		10		322823		288,77 ZAR		10											

Prices exclude VAT. Recommended prices.

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	2500	3000
Diameter x Bore in mm		Form		Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/piece ZAR		Discount group											
115 x 22,23				40	80 m/s		13300 rpm		10		321509		100,45 ZAR		10											
115 x 22,23				60	80 m/s		13300 rpm		10		321511		100,45 ZAR		10											
115 x 22,23				80	80 m/s		13300 rpm		10		321513		100,45 ZAR		10											
125 x 22,23				40	80 m/s		12200 rpm		10		321510		118,54 ZAR		10											
125 x 22,23				60	80 m/s		12200 rpm		10		321512		118,54 ZAR		10											
125 x 22,23				80	80 m/s		12200 rpm		10		321514		118,54 ZAR		10											

Abrasive mop disc

## SMT 624 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	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	2500	3000
Diameter x Bore in mm		Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/piece ZAR		Discount group												
100 x 16			36	80 m/s		15300 rpm		10		322758		114,76 ZAR		10												
100 x 16			40	80 m/s		15300 rpm		10		322759		114,76 ZAR		10												
100 x 16			60	80 m/s		15300 rpm		10		322760		114,76 ZAR		10												
100 x 16			80	80 m/s		15300 rpm		10		322761		114,76 ZAR		10												
100 x 16			120	80 m/s		15300 rpm		10		322762		114,76 ZAR		10												
115 x 22,23			36	80 m/s		13300 rpm		10		322764		119,54 ZAR		10												
115 x 22,23			40	80 m/s		13300 rpm		10		322765		119,54 ZAR		10												

Prices exclude VAT. Recommended prices.

Continuation →

## Abrasive mop discs

→ Continuation of SMT 624 Supra, Abrasive mop disc

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		50	80 m/s	13300 rpm	10	322766	<b>119,54 ZAR</b>	10
115 x 22,23		60	80 m/s	13300 rpm	10	322767	<b>119,54 ZAR</b>	10
115 x 22,23		80	80 m/s	13300 rpm	10	322768	<b>119,54 ZAR</b>	10
115 x 22,23		120	80 m/s	13300 rpm	10	322769	<b>119,54 ZAR</b>	10
125 x 22,23		36	80 m/s	12200 rpm	10	322771	<b>141,06 ZAR</b>	10
125 x 22,23		40	80 m/s	12200 rpm	10	322772	<b>141,06 ZAR</b>	10
125 x 22,23		50	80 m/s	12200 rpm	10	322773	<b>141,06 ZAR</b>	10
125 x 22,23		60	80 m/s	12200 rpm	10	322774	<b>141,06 ZAR</b>	10
125 x 22,23		80	80 m/s	12200 rpm	10	322775	<b>141,06 ZAR</b>	10
125 x 22,23		120	80 m/s	12200 rpm	10	322776	<b>141,06 ZAR</b>	10
150 x 22,23		40	80 m/s	10200 rpm	10	322778	<b>239,08 ZAR</b>	10
150 x 22,23		60	80 m/s	10200 rpm	10	322779	<b>239,08 ZAR</b>	10
150 x 22,23		80	80 m/s	10200 rpm	10	322780	<b>239,08 ZAR</b>	10
180 x 22,23		36	80 m/s	8500 rpm	10	322782	<b>274,94 ZAR</b>	10
180 x 22,23		40	80 m/s	8500 rpm	10	322783	<b>274,94 ZAR</b>	10
180 x 22,23		50	80 m/s	8500 rpm	10	322784	<b>274,94 ZAR</b>	10
180 x 22,23		60	80 m/s	8500 rpm	10	322785	<b>274,94 ZAR</b>	10
180 x 22,23		80	80 m/s	8500 rpm	10	322786	<b>274,94 ZAR</b>	10
180 x 22,23		120	80 m/s	8500 rpm	10	322787	<b>274,94 ZAR</b>	10

Abrasive mop disc

**SMT 628**  
**SUPRA**



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









Applications:	
Stainless steel	●
Steel	●



Properties	
Grain	Zirconia alumina
Backing plate	Glass fibre
Design	Flat

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Diameter x Bore in mm		Form		Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/piece ZAR		Discount group											
115 x 22,23				40	80 m/s		13300 rpm		10		322790		129,10 ZAR		10											
115 x 22,23				60	80 m/s		13300 rpm		10		322792		129,10 ZAR		10											
115 x 22,23				80	80 m/s		13300 rpm		10		322793		129,10 ZAR		10											
115 x 22,23				120	80 m/s		13300 rpm		10		322794		129,10 ZAR		10											
180 x 22,23				36	80 m/s		8500 rpm		10		322802		296,93 ZAR		10											
180 x 22,23				40	80 m/s		8500 rpm		10		322803		296,93 ZAR		10											
180 x 22,23				60	80 m/s		8500 rpm		10		322805		296,93 ZAR		10											
180 x 22,23				80	80 m/s		8500 rpm		10		322806		296,93 ZAR		10											

Prices exclude VAT. Recommended prices.

Abrasive mop disc

## SMT 626 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	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	2500	3000
Diameter x Bore in mm				Form	Grit	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/piece ZAR		Discount group										
100 x 16					40	80 m/s		15300 rpm		10		321700		128,55 ZAR		10										
100 x 16					60	80 m/s		15300 rpm		10		321681		128,55 ZAR		10										
100 x 16					80	80 m/s		15300 rpm		10		321682		128,55 ZAR		10										
115 x 22,23					36	80 m/s		13300 rpm		10		321686		133,91 ZAR		10										
115 x 22,23					40	80 m/s		13300 rpm		10		321689		133,91 ZAR		10										
115 x 22,23					50	80 m/s		13300 rpm		10		321692		133,91 ZAR		10										
115 x 22,23					60	80 m/s		13300 rpm		10		321694		133,91 ZAR		10										
115 x 22,23					80	80 m/s		13300 rpm		10		321697		133,91 ZAR		10										
115 x 22,23					120	80 m/s		13300 rpm		10		321683		133,91 ZAR		10										
125 x 22,23					36	80 m/s		12200 rpm		10		321687		158,01 ZAR		10										
125 x 22,23					40	80 m/s		12200 rpm		10		321690		158,01 ZAR		10										
125 x 22,23					50	80 m/s		12200 rpm		10		321693		158,01 ZAR		10										
125 x 22,23					60	80 m/s		12200 rpm		10		321695		158,01 ZAR		10										
125 x 22,23					80	80 m/s		12200 rpm		10		321698		158,01 ZAR		10										
125 x 22,23					120	80 m/s		12200 rpm		10		321684		158,01 ZAR		10										
180 x 22,23					36	80 m/s		8500 rpm		10		321688		307,99 ZAR		10										
180 x 22,23					40	80 m/s		8500 rpm		10		321691		307,99 ZAR		10										
180 x 22,23					60	80 m/s		8500 rpm		10		321696		307,99 ZAR		10										
180 x 22,23					80	80 m/s		8500 rpm		10		321699		307,99 ZAR		10										

Prices exclude VAT. Recommended prices.

## Abrasive mop discs

Abrasive mop disc

### SMT 644 SUPRA



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

Applications:	
Steel	●
Stainless steel	●



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

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

Available grits:

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	329993	<b>133,91 ZAR</b>	10
115 x 22,23		60	80 m/s	13300 rpm	10	329994	<b>133,91 ZAR</b>	10
115 x 22,23		80	80 m/s	13300 rpm	10	329995	<b>133,91 ZAR</b>	10
115 x 22,23		120	80 m/s	13300 rpm	10	329996	<b>133,91 ZAR</b>	10

**CEVOLUTION**

Abrasive mop disc CEVOLUTION

### SMT 674 SUPRA CEVOLUTION



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

Applications:	
Steel	●
Stainless steel	○



Properties	
Grain	Ceramic Al. oxide
Backing plate	Glass fibre
Design	Convex 12°, flat

**Advantages:** Universally suitable for all grinding tasks in the steel sector - Also suitable for stainless steel - Optimum price/performance ratio due to ceramic grain - The SMT 674 includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Available grits:

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	369262	<b>137,51 ZAR</b>	10
115 x 22,23		60	80 m/s	13300 rpm	10	369261	<b>137,51 ZAR</b>	10
115 x 22,23		80	80 m/s	13300 rpm	10	369260	<b>137,51 ZAR</b>	10
115 x 22,23		40	80 m/s	13300 rpm	10	369269	<b>137,51 ZAR</b>	10
115 x 22,23		60	80 m/s	13300 rpm	10	369265	<b>137,51 ZAR</b>	10
115 x 22,23		80	80 m/s	13300 rpm	10	369276	<b>137,51 ZAR</b>	10
125 x 22,23		40	80 m/s	12200 rpm	10	369259	<b>162,26 ZAR</b>	10
125 x 22,23		60	80 m/s	12200 rpm	10	369258	<b>162,26 ZAR</b>	10
125 x 22,23		80	80 m/s	12200 rpm	10	369257	<b>162,26 ZAR</b>	10

Prices exclude VAT. Recommended prices.

Continuation →



# Abrasive mop discs



→ Continuation of SMT 674 Supra CEVOLUTION, Abrasive mop disc CEVOLUTION

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
125 x 22,23		40	80 m/s	12200 rpm	10	369275	<b>162,26 ZAR</b>	10
125 x 22,23		60	80 m/s	12200 rpm	10	369274	<b>162,26 ZAR</b>	10
125 x 22,23		80	80 m/s	12200 rpm	10	369273	<b>162,26 ZAR</b>	10
180 x 22,23		40	80 m/s	8500 rpm	10	369268	<b>316,27 ZAR</b>	10
180 x 22,23		60	80 m/s	8500 rpm	10	369267	<b>316,27 ZAR</b>	10
180 x 22,23		80	80 m/s	8500 rpm	10	369266	<b>316,27 ZAR</b>	10

Abrasive mop disc

## SMT 924 SPECIAL



Class

SPECIAL

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

Applications:

Stainless steel	●
Steel	●



Properties

Grain	Ceramic Al. oxide
Backing plate	Glass fibre
Design	Convex 6°

**Advantages:** Highly aggressive abrasive performance for demanding work on edges - High edge stability - Optimal removal rate when used on high power angle grinders under increased grinding pressure

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	322862	<b>176,00 ZAR</b>	10
115 x 22,23		60	80 m/s	13300 rpm	10	322863	<b>176,00 ZAR</b>	10
115 x 22,23		80	80 m/s	13300 rpm	10	322864	<b>176,00 ZAR</b>	10
125 x 22,23		40	80 m/s	12200 rpm	10	322867	<b>207,68 ZAR</b>	10
125 x 22,23		60	80 m/s	12200 rpm	10	322868	<b>207,68 ZAR</b>	10
125 x 22,23		80	80 m/s	12200 rpm	10	322869	<b>207,68 ZAR</b>	10

Prices exclude VAT. Recommended prices.

## Abrasive mop discs

**CEVOLUTION**

Abrasive mop disc CEVOLUTION

### SMT 974 SPECIAL CEVOLUTION



Class	SPECIAL
Aggression	■■■■■■■■
Service life	■■■■■■■■

Applications:	
Steel	●
Stainless steel	○



Properties	
Grain	Ceramic Al. oxide
Backing plate	Glass fibre
Design	Convex 6°

**Advantages:** Newly developed abrasive for demanding grinding tasks in the steel sector - Optimal tool for edge and weld seam finishing - Highly economical on powerful angle grinders - The SMT 974 includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Available grits:

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	369283	<b>159,02 ZAR</b>	10
115 x 22,23		60	80 m/s	13300 rpm	10	369282	<b>159,02 ZAR</b>	10
115 x 22,23		80	80 m/s	13300 rpm	10	369281	<b>159,02 ZAR</b>	10
125 x 22,23		40	80 m/s	12200 rpm	10	369280	<b>187,64 ZAR</b>	10
125 x 22,23		60	80 m/s	12200 rpm	10	369279	<b>187,64 ZAR</b>	10
125 x 22,23		80	80 m/s	12200 rpm	10	369278	<b>187,64 ZAR</b>	10

**CEVOLUTION**

Abrasive mop disc CEVOLUTION

### SMT 975 SPECIAL CEVOLUTION



Class	SPECIAL
Aggression	■■■■■■■■
Service life	■■■■■■■■

Applications:	
Steel	●
Stainless steel	○



Properties	
Grain	Ceramic Al. oxide
Backing plate	Plastic, glass-fibre reinforced
Design	Convex 6°

**Advantages:** High and fast stock removal due to newly developed abrasive with self-sharpening ceramic grain - Easy mounting due to integrated M14 thread - Very long tool life due to trimmable backing plate - The SMT 975 includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Available grits:

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115		40	80 m/s	13300 rpm	10	369295	<b>166,21 ZAR</b>	10
115		60	80 m/s	13300 rpm	10	369296	<b>166,21 ZAR</b>	10
115		80	80 m/s	13300 rpm	10	369297	<b>166,21 ZAR</b>	10
125		40	80 m/s	12200 rpm	10	369301	<b>196,13 ZAR</b>	10
125		60	80 m/s	12200 rpm	10	369303	<b>196,13 ZAR</b>	10
125		80	80 m/s	12200 rpm	10	369304	<b>196,13 ZAR</b>	10

Prices exclude VAT. Recommended prices.

Continuation →

Abrasive mop disc

## SMT 926 SPECIAL



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

Applications:	
Stainless steel	●
Steel	●












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

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

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	321703	167,41 ZAR	10
115 x 22,23		60	80 m/s	13300 rpm	10	321706	167,41 ZAR	10
115 x 22,23		80	80 m/s	13300 rpm	10	321708	167,41 ZAR	10
125 x 22,23		40	80 m/s	12200 rpm	10	321704	197,55 ZAR	10
125 x 22,23		60	80 m/s	12200 rpm	10	321707	197,55 ZAR	10
125 x 22,23		80	80 m/s	12200 rpm	10	321709	197,55 ZAR	10
180 x 22,23		40	80 m/s	8500 rpm	10	321705	385,05 ZAR	10
180 x 22,23		60	80 m/s	8500 rpm	10	321711	385,05 ZAR	10
180 x 22,23		80	80 m/s	8500 rpm	10	321712	385,05 ZAR	10

Prices exclude VAT. Recommended prices.

## Abrasive mop discs

Abrasive mop disc, multibond

### SMT 996 SPECIAL



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

Applications:	
Stainless steel	●



Properties	
Grain	Ceramic aluminium oxide multibond
Backing plate	Glass fibre
Design	Convex 6°, flat

**Advantages:** Aggressive abrasive performance with little expenditure of energy - High edge stability - Cool grinding due to multibond - Optimal removal rate when used on high power angle grinders under increased grinding pressure

Available grits:

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	322849	<b>185,29 ZAR</b>	10
115 x 22,23		60	80 m/s	13300 rpm	10	322850	<b>185,29 ZAR</b>	10
115 x 22,23		80	80 m/s	13300 rpm	10	322851	<b>185,29 ZAR</b>	10
125 x 22,23		40	80 m/s	12200 rpm	10	322852	<b>218,64 ZAR</b>	10
125 x 22,23		60	80 m/s	12200 rpm	10	322853	<b>218,64 ZAR</b>	10
125 x 22,23		80	80 m/s	12200 rpm	10	322854	<b>218,64 ZAR</b>	10

## CEVOLUTION

Abrasive mop disc, multibond, CEVOLUTION

### SMT 976 SPECIAL CEVOLUTION



Class	SPECIAL
Aggression	■■■■■■■■■
Service life	■■■■■■■■■

Applications:	
Stainless steel	●
NF metals	○
Aluminium	○



Properties	
Grain	Ceramic aluminium oxide multibond
Backing plate	Glass fibre
Design	Convex 6°

**Advantages:** Newly developed abrasive for highest stock removal rates for stainless steel grinding tasks - Reduced grinding temperature due to multibond - Well suited for soft, smearing materials such as non-ferrous metals and aluminium - The SMT 976 includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Available grits:

Diameter x Bore in mm	Form	Grit	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23		40	80 m/s	13300 rpm	10	369277	<b>167,44 ZAR</b>	10
115 x 22,23		60	80 m/s	13300 rpm	10	369272	<b>167,44 ZAR</b>	10
115 x 22,23		80	80 m/s	13300 rpm	10	369271	<b>167,44 ZAR</b>	10
125 x 22,23		40	80 m/s	12200 rpm	10	369270	<b>197,58 ZAR</b>	10
125 x 22,23		60	80 m/s	12200 rpm	10	369264	<b>197,58 ZAR</b>	10
125 x 22,23		80	80 m/s	12200 rpm	10	369263	<b>197,58 ZAR</b>	10

Prices exclude VAT. Recommended prices.



Mini abrasive mop disc

## MST 624 SUPRA



**Class** SUPRA

**Aggression** ■■■■■■□

**Service life** ■■■■■■□

**Applications:**

Steel ●

Stainless steel ●



**Properties**

**Grain** Zirconia alumina









**Backing plate** Plastic, glass-fibre reinforced

**Design** Convex 6°

**Advantages:** Universally usable for demanding grinding tasks in the steel and stainless steel sector - Ideal for working in hard-to-reach areas - Highly economical thanks to fast tool changes

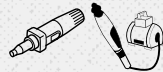
Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Form	Grit	Thread/Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
50		40	Quick Roll Connect	80 m/s	30000 rpm	10	365094	95,67 ZAR	10
50		60	Quick Roll Connect	80 m/s	30000 rpm	10	365147	95,67 ZAR	10
50		80	Quick Roll Connect	80 m/s	30000 rpm	10	365148	95,67 ZAR	10
50		120	Quick Roll Connect	80 m/s	30000 rpm	10	365149	95,67 ZAR	10
75		40	Quick Roll Connect	80 m/s	20000 rpm	10	365150	107,63 ZAR	10
75		60	Quick Roll Connect	80 m/s	20000 rpm	10	365151	107,63 ZAR	10
75		80	Quick Roll Connect	80 m/s	20000 rpm	10	365152	107,63 ZAR	10
75		120	Quick Roll Connect	80 m/s	20000 rpm	10	365153	107,63 ZAR	10

Mini abrasive mop disc

## MST 924 SPECIAL



**Class** SPECIAL

**Aggression** ■■■■■■

**Service life** ■■■■■■

**Applications:**

Steel ●

Stainless steel ●



**Properties**

**Grain** Ceramic Al. oxide









**Backing plate** Plastic, glass-fibre reinforced

**Design** Convex 6°

**Advantages:** Aggressive stock removal due to self-sharpening ceramic grain - Ideal for working on hard-to-reach areas - For coarse grinding tasks on high alloy steels and stainless steel materials

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Form	Grit	Thread/Shaft	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
50		36	Quick Roll Connect	80 m/s	30000 rpm	10	365095	140,45 ZAR	10
50		40	Quick Roll Connect	80 m/s	30000 rpm	10	365144	140,45 ZAR	10
50		60	Quick Roll Connect	80 m/s	30000 rpm	10	365145	140,45 ZAR	10
50		80	Quick Roll Connect	80 m/s	30000 rpm	10	365146	140,45 ZAR	10
75		36	Quick Roll Connect	80 m/s	20000 rpm	10	365137	158,01 ZAR	10
75		40	Quick Roll Connect	80 m/s	20000 rpm	10	365138	158,01 ZAR	10
75		60	Quick Roll Connect	80 m/s	20000 rpm	10	365143	158,01 ZAR	10
75		80	Quick Roll Connect	80 m/s	20000 rpm	10	365136	158,01 ZAR	10

Prices exclude VAT. Recommended prices.







# Kronenflex® cutting-off wheels and grinding discs

## About the product

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

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

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

## Typical materials for these products

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

## Typical applications for these products

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

## Kronenflex® cutting-off wheels

Kronenflex® cutting-off wheels	Page
0,8–1,2 mm	202-205
Small cutting-off wheels	206
1,6–1,9 mm	207-208
2,0–3,2 mm	209-212
Large cutting-off wheels	213-216

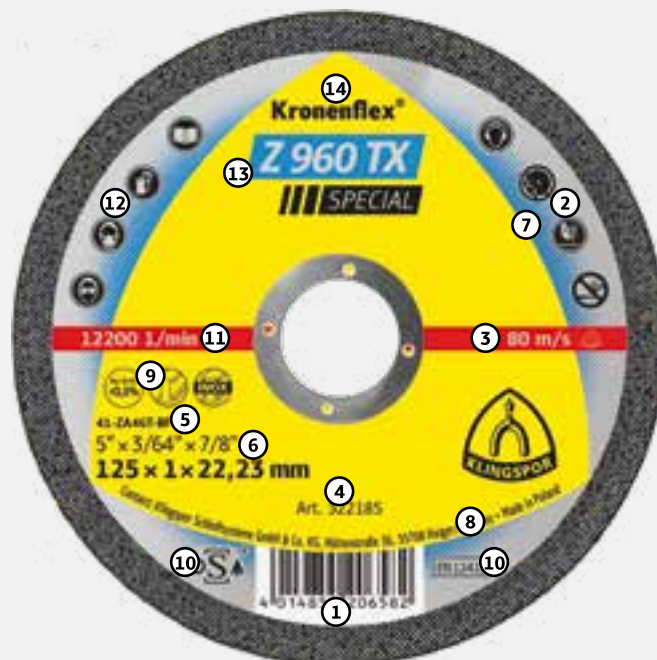
## Kronenflex® grinding discs

Kronenflex® grinding discs	Page
Grinding discs	217-223

# Kronenflex® cutting-off wheels and grinding discs

## Applications guide

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



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

## Performance classes

Kronenflex® cutting-off wheels and grinding discs come in three performance classes with six colour codes for a quick overview of the most important material applications.



### EXTRA

Products for universal application, offering a particularly attractive price-performance ratio.



### SUPRA

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



### SPECIAL

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



# Kronenflex® cutting-off wheels and grinding discs

## Applications guide



### 1. Label and cover sheet

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

### 2. Mixture

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

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



### 3. Metal ring

Provides information on the expiry date of the disc.

### 4. Glass fibre

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

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

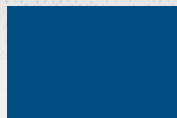
### Metal universal

Grey



### Stainless steel

Blue



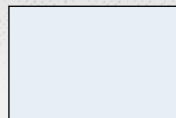
### Steel

Black



### Aluminium

Silver



### Castings

Red



### Stone/ concrete

Green



## Pictograms on the product pages



One glass fibre cloth



Two glass fibre cloths



Free of iron, sulphur and chloride



Packaged in units of 25 pcs each in the Kronenflex® tub for consistently high performance and protection from moisture

# Kronenflex® cutting-off wheels and grinding discs

## Applications guide



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

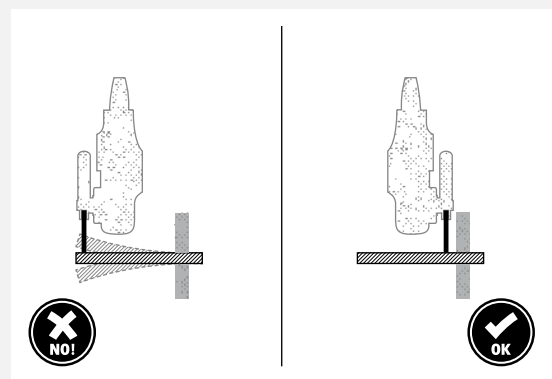
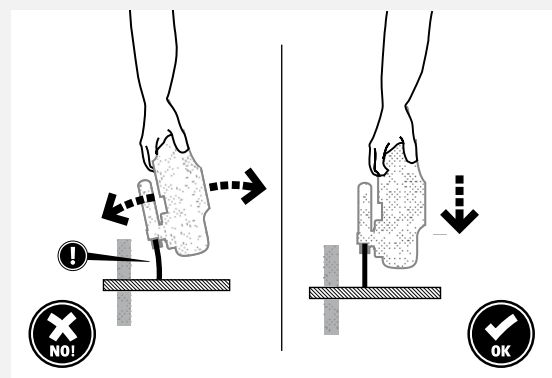
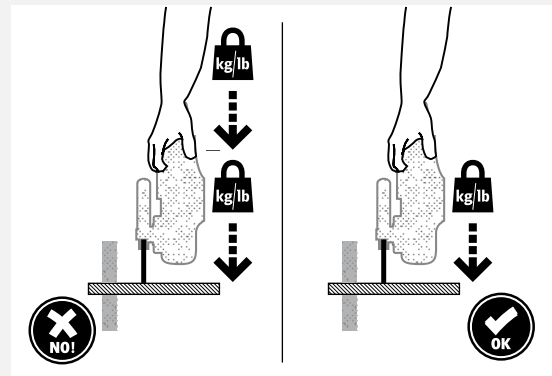
The rule of thumb also applies to grinding discs: the harder the material, the softer the grinding disc bond. In addition, the application plays a decisive role. Corner grinding and the grinding of burrs and sharp edges can cause grit to be removed from the bond. We suggest the selection of a hard bond.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

## Applications guide

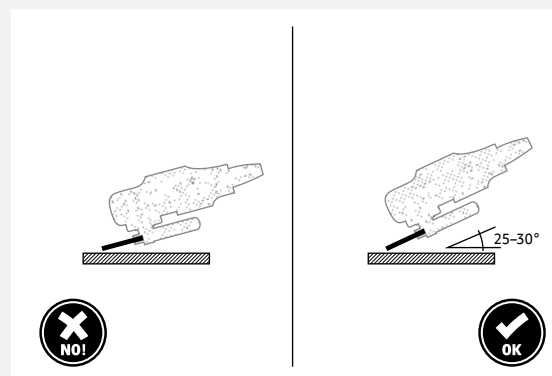
### Correct application/techniques for cutting-off

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

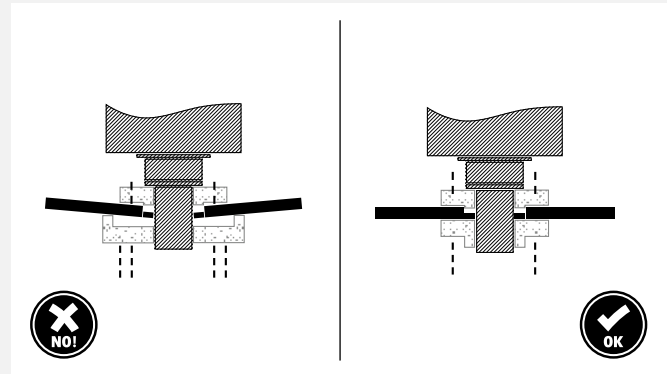
### For better power transmission

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

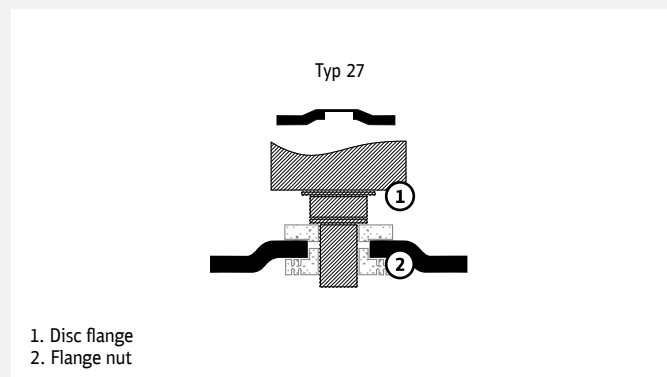
The use of wheel flange FL 76 provides increased lateral stability and user control, specifically when using thin cutting-off wheels with a flat form and diameter of 180 mm and 230 mm.

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.



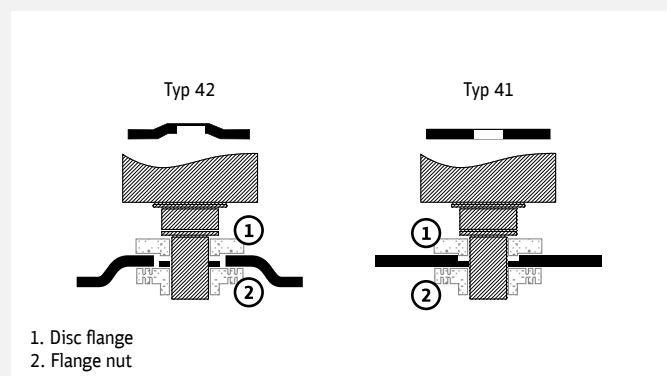
## Depressed centre grinding discs

4 - 10 mm thickness



## Flat and depressed centre cutting-off wheels

0.8 - 4 mm thickness



# Kronenflex® large cutting-off wheels

## Applications guide

### Cutting-off wheels for different types of machines

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

**Stationary cutting-off wheels may not be used with freehand machines.**

### Products for handheld machines

These products were developed for use with handheld machines (petrol, electric, high frequency).

Please note that it is very important that the maximum operating speed setting on the machines and the maximum operating speed setting on the products match. 80 m/s and 100 m/s machines are available on the market. Klingspor large cutting-off wheels for handheld machines are certified for 80 m/s handheld machines. Products for railway construction with a clamping device are certified up to 100 m/s.

### Products for transportable bench chop saws

Cutting-wheels for this product group are suitable for low power bench chop saws. These products may not be used with large stationary and / or handheld machines.

They are known for their high cutting rate, which ensures fast and cool cutting.

### Products for stationary saws / cutters

Stationary machines are best suited for economical and safe cutting of large cross sections and heavy workpieces.

Products in this segment with their outstanding performance and long service life fulfil the most demanding requirements of stationary cutting. Good aggressiveness ensures low thermal loads when working on large cross sections.

## Which cutting-off wheel is used with which machine?

Large cutting-off wheels for stationary machines and large cutting-off wheels for handheld machines are designed differently and their build is optimised for the respective machine type. For safety reasons large cutting-off wheels for stationary machines may never be used with handheld machines.

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

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

Type	Ø [mm]	Thick-ness [mm]	Bore Ø [mm]	Machines	Safety	
					Max. operating speed	Application type (EN12413)
<b>A 24 EXTRA</b>	300	3,5	20/22,23	general handheld machines (petrol, electric, high frequency)	80 m/s	freehand cutting
<b>C 24 EXTRA</b>	300	3,5	20/22,23			
<b>A 330 EXTRA</b>	350	2,5	25,4	transportable bench chop saws, chop saws	80 m/s	stationary guided cutting <3 KW
	300	2,5	25,4			
<b>A 630 N SUPRA</b>	350	2,5	25,4			
	400	3,2	25,4			
	300	2,5	25,4			
<b>A 930 N SPECIAL</b>	350	3,0	25,4			
	250	3	32	stationary saws / cutters	100 m/s	stationary guided cutting >3 KW
<b>A 24 R SUPRA</b>	300	3	22,23/25,4/30/32			
	350	3,5	25,4/32			
	400	4,5	25,4/32/40			
<b>A 924 R SPECIAL</b>	300	3,5	20/22,23/25,4	general handheld machines, joint cutters (petrol, electric, high frequency)	100 m/s	freehand cutting
	350	4	20/22,23/25,4			
<b>A 624 SX SUPRA</b>	300	3,5	22,23	Handheld grinders (petrol, electric, high frequency, hydraulic) in combination with a clamping device	100 m/s	stationary guided cutting
	350	4	22,23/25,4			
	400	4	25,4			
	300	3,5	22,23			
<b>A 924 SX SPECIAL</b>	350	4	22,23/25,4			
	400	4	22,23/25,4			



# Kronenflex® cutting-off wheels and grinding discs

## Applications guide

### Recognise and avoid errors

	Issue	Possible cause	Solution
Cutting-off wheels	Cutting surface is blue	Cutting time is too long	Increase feed speed or grinding pressure
		Drive power is too low	Use a more powerful machine
		Disc is too hard	Select a softer bond
		Material cross section is too great for the disc diameter	Work with a saw cut / work with a smaller material diameter
		Cutting disc is too wide for the material/application	Use a thinner cutting disc
	Disc wear is too high	White cutting surface: disc hardness is too low	Select a harder bond
		Peripheral speed is too low	Increase peripheral speed
		RPM decrease is too great	Reduce grinding pressure or use a more powerful machine
	Crooked cut	Workpiece is not mounted properly	Mount the material closer to the cutting site
		Grinding pressure is too great	Reduce grinding pressure
		Disc width is too thin for the material/application	Increase disc width
		Disc is completely worn down	Replace disc
	Disc breakage	Machine is operated incorrectly	Avoid lateral pressure on the disc
		Incorrect wheel flange diameter	Use wheel flange with identical diameters
		Cutting-off wheel is used for grinding	Cutting-off wheels may not be used for grinding
		Material is not properly affixed	Mount the material closer to the cutting site
	Disc periphery is frayed	Disc periphery is burned	Select a softer bond, decrease grinding pressure
		Material is not properly affixed	Mount the material closer to the cutting site
	Disc jumps	Wheel flange is dirty or worn out	Clean wheel flange or replace wheel flange
		Bearing is defective	Replace machine or replace bearing
		Bore dimension and mount do not match	Use proper bore dimension or use a reducer ring
	Bore hole is broken	Wheel flanges are of different sizes	Use wheel flanges that have the same diameters
		Machine is operated incorrectly	Reduce lateral pressure on the disc
		Cutting-off wheel is used for grinding	Cutting-off wheels may not be used for grinding
	Issue	Possible cause	Solution
Grinding discs	Removal rate is too low	Shiny contact surface: bond is too hard	Select a softer bond
		Grinding pressure is too low	Increase grinding pressure
		Machine performance is too low	Use a more powerful machine
	Disc is loaded/clogged	Bond is too hard	Select a softer bond
		Loading/clogging with NF metals	Use softer bond or select a special cutting-off wheel for NF metals
		Grinding pressure is too low	Increase grinding pressure
	Wear is too high	Grinding pressure is too high	Reduce grinding pressure
		Bond is too soft	Select a harder bond
		Machine RPM decreases too quickly	Reduce grinding pressure
		Machine performance is too low	Use a more powerful machine
	Periphery is not rounded / breakage on the edge	Disc angle is too flat	Increase disc angle (at least 25°)
		Grinding pressure is too high	Reduce grinding pressure
	Disc wobbles	The mount is not centred	Check bore diameter and mounting diameter and adjust accordingly
		Mounting shaft is worn	Replace machine
		Mounting flange is worn / dirty / incorrect	Replace / clean mounting flange / check dimensions
		Disc wobbles	Use a new disc

## What the type designation reveals about the design of cutting-off wheels and grinding discs

The type designation given on a cutting-off wheel or grinding disc divulges more than just the name of the product. It provides important information on the performance class and on the composition of the tool. The first letter indicates which abrasive grit is used. If this letter is followed by a three digit number, the first digit signifies the performance class (the performance class is also included below the name of the product). The last two digits point to the size of the grit that was used. The letters at the end of the type designation mark the hardness grade of a cutting-off wheel or grinding disc.

Grit type	Performance class	Grit size according to FEPA standard	Hardness	Performance class
<b>A</b> Aluminium oxide	<b>3</b> <b>/// EXTRA</b>	<b>16</b>	<b>M</b> soft	<b>/// EXTRA</b>
<b>C</b> Silicon carbide	<b>6</b> <b>/// SUPRA</b>	<b>24</b>	<b>N</b>	<b>/// SUPRA</b>
<b>Z</b> Zirconia alumina	<b>9</b> <b>/// SPECIAL</b>	<b>30</b>	<b>R</b>	<b>/// SPECIAL</b>
		<b>36</b>	<b>S</b>	
		<b>46</b>	<b>T</b> hard	
		<b>60</b>		
		<b>80</b>		

Explained by example of the Z 960 TX cutting-off wheel

Grit type	Performance class	Grit size according to FEPA standard	Hardness	Performance class
<b>Z</b> Zirconia alumina	<b>9</b> <b>/// SPECIAL</b>	<b>60</b>	<b>TX</b> hard	<b>/// SPECIAL</b>

## The safe use of Klingspor abrasives

Klingspor Kronenflex® cutting-off wheels and grinding discs are manufactured in accordance with the oSa and EN 12413 standards, this ensures the highest level of user safety.



Wear safety goggles or glasses to protect the eyes



Wear dust mask



Use ear protectors



Not permitted for grinding



Wear safety gloves to protect hands



Observe safety instructions



Do not use for wet grinding



Do not use if damaged

# Kronenflex® cutting-off wheels and grinding discs

## Applications guide

Kronenflex® cutting-off wheels 0,8 – 1,2 mm	Material applications															
	Type	Thickness [mm]	Steel	Hardened steel	Tool steel	Stainless steel	High alloy steel	Corrosion and acidproof steels	Aluminium	Bronze	Copper	Brass	Zinc die-casting	Cast iron	Page	
	A 980 TZ SPECIAL	0,8	●	●	●	●	●	●	●	○	○	○	○	○	206, 329	
	A 60 EXTRA	1,0	●	○	○	●	○	○	○	○	○	○	○	○	*	
	A 660 R SUPRA	1,0	●	●	●	●	○	○	○	○	○	○	○	○	330	
	A 60 TZ SPECIAL INOX	1,0	●	●	●	●	●	●	○	○	○	○	●	○	207, 330	
	A 960 TZ SPECIAL	1,0	●	●	●	●	●	●	○	○	○	○	●	○	207, 331	
	A 60 N SUPRA	1,0	○	○	○	○	○	○	●	●	●	●	○	○	206	
	K 960 TX SPECIAL	1,0	●	●	●	●	●	●	○	○	○	○	●	●	208, 331	
	Z 960 TX SPECIAL	1,0	●	●	●	●	●	●	○	○	○	○	●	○	208, 332	
	EDGE SPECIAL	1,2	●	●	●	●	●	●	●	○	○	○	●	○	209, 332	
A 660 R SUPRA Small cutting-off wheel	1,0–1,6	●	●	●	○	○	○	○	○	○	○	○	○	210		
Material applications																
Kronenflex® cutting-off wheels 1,6 – 1,9 mm	Type	Thickness [mm]	Steel	Hardened steel	Tool steel	Stainless steel	High alloy steels	Corrosion and acidproof steels	Aluminium	Bronze	Copper	Brass	Die-cast aluminium	Zinc die-casting	Page	
	A 346 EXTRA	1,6	●	○	○	●	○	●	○	○	○	○	○	○	333	
	A 646 R SUPRA	1,6–1,9	●	●	○	○	●	●							211, 334	
	A 46 TZ SPECIAL INOX	1,6–1,9	●	●	●	●	●	●	○	○	○	○		●	211, 333	
	A 946 TZ SPECIAL	1,6–1,9	●	●	●	●	●	●	●	○	○	○	○	○	211, 334	
Material applications																
Kronenflex® cutting-off wheels 2,0 – 3,2 mm	Type	Thickness [mm]	Steel	Hardened steels	Tool steel	Stainless steel	High alloy steels	Corrosion and acidproof steels	Aluminium	Bronze	Copper	Brass	Zinc die-casting	Cast iron	Stone / concrete	Page
	A 24 EXTRA	2,0–3,2	●	○	●	○	○	○	○	○	○	○	○	○		213
	A 24 R SUPRA	2,5–3,0	●	●	●	○	○	○					○	○		213
	A 24 N SUPRA INOX	2,5–3,0	○	●	○	●	●	●	○	○	○	○				214
	A 36 R SUPRA INOX	2,0–2,5	○	○	●	●	●	●		○	○	○				
	A 36 TZ SPECIAL INOX	2,0	○	○	●	●	●	●						○		214
	A 24 R/36 SPECIAL INOX	2,5–3,0	○	○	●	●	●	●								
	A 24 TZ SPECIAL	2,5–3,0	○		○	●	●	●						○		215
	A 46 N SUPRA	2,5–3,0							●	●	●	●	○			215
	C 24 EXTRA	2,5–3,0													●	216
	C 24 R SUPRA	2,5													●	216

# Kronenflex® cutting-off wheels and grinding discs

## Applications guide



			Machines				Material applications										Page
			Handheld machines 80m/s	Handheld machines 100m/s	Bench chop saws	Stationary < 5KW	Steel	Hardened steels	Tool steel	Stainless steel	High alloy steels	Corrosion and acidproof steels	Aluminium	Cast iron	Stone / concrete	Asphalt	
Kronenflex® large cutting-off wheels	Type	Thickness [mm]															
	A 24 EXTRA	3,5	●				●	○	●	○	○	○		○			*
	C 24 EXTRA	3,5	●											○	●	○	*
	A 624 SX SPECIAL	3,5–4,0		●			●	●									217
	A 924 R SPECIAL	4,0		●			●	●	●	●	●	●		○			217
	A 924 SX SPECIAL	3,5–4,0		●			●	●									218
	A 330 EXTRA	2,5–3,0			●		●	○	○	○	○	○	○	○			219
	A 630 N SUPRA	2,5–3,2			●		●	○	○	○	○	○	○	○			220
	A 930 N SPECIAL	2,5–3,5			●		●	○	○	○	○	○	○	○			220
	A 24 R SUPRA	3,0–4,5				●	●	●	●	○	○	○		○			219

			Material applications													Page
			Steel	Hardened steels	Tool steel	Stainless steel	High alloy steels	Corrosion and acidproof steels	Aluminium	Bronze	Copper	Brass	Zinc die-casting	Cast iron	Stone / concrete	
Kronenflex® grinding discs	Type	Thickness [mm]														
	A 24 EXTRA	6,0–8,0	●	○	○	○	○	○					○	○		*
	A 24 EXTRA T	6,0–8,0	●	○	○	○	○	○						○		221
	A 24 R SUPRA	4,0–10	●	●	●	○	○	○						○		221
	A 24 R/01 SPECIAL	4,0	●	●	●	○	○	○								*
	A 24 N SUPRA	6,0–8,0	○	●	○	●	●	●								222
	A 24 R/36 SPECIAL	6,0	○	○	○	●	●	●								222
	A 46 N SUPRA	6,0–8,0							●	○	○	○	○			223
	A 30 M SPECIAL	6,0	○	○	○	●	●	●								223
	A 46 VZ SPECIAL	2,0	○	○	●	●	●	●					○			224
	A 624 SUPRA	7,0	●	●	●	●	○	○								*
	A 624 T SUPRA	6,0	●	●	●	●	○	○					○	●		224
	A 924 SPECIAL	7,0	●	●	●	●	○	○						○		*
	C 24 R SUPRA	6,0												○	●	225
	A 16 R SUPRA	55	●											○		226
	A 30 R SUPRA	55	●													226
	C 16 R SUPRA	55												○	●	227
	C 30 R SUPRA	55												○	●	227

● = main application ○ = possible applications ... \* available on request

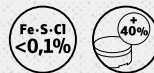
# Kronenflex® cutting-off wheels 0,8 - 1,2 mm for angle grinders

Cutting-off wheel

## A 980 TZ SPECIAL



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



Applications:	
Stainless steel	●
Steel	●
NF metals	●

**Advantages:** Free of iron, sulfur and chlorine - Very short cutting times - Very precise and clean cuts - Low thermal load - Minimal burr formation, minimizing finish-machining - 25 pieces delivered in the Kronenflex® box for long-lasting high-performance and moisture protection

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 0,8 x 22,23		80 m/s	13300 rpm	25	322182	70,46 ZAR	11
125 x 0,8 x 22,23		80 m/s	12200 rpm	25	322183	111,49 ZAR	11

Cutting-off wheel

## A 60 N SUPRA



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

Applications:	
Aluminium	●
Steel	●

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 1 x 22,23		80 m/s	13300 rpm	25	264297	54,63 ZAR	11

Prices exclude VAT. Recommended prices.



# Kronenflex® cutting-off wheels 0,8 - 1,2 mm for angle grinders



Cutting-off wheel

## A 60 TZ SPECIAL



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

Applications:	
Stainless steel	●
Steel	●
NF metals	○

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	202400	57,81 ZAR	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	202401	66,41 ZAR	11

Cutting-off wheel

## A 960 TZ SPECIAL



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

Applications:	
Stainless steel	●
Steel	●

**Advantages:** Free of iron, sulphur and chlorine - Short cutting times and long service life - Low thermal load - Low burr formation - 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	Price/piece ZAR	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	322180	60,47 ZAR	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	322181	96,58 ZAR	11

Prices exclude VAT. Recommended prices.

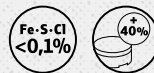
# Kronenflex® cutting-off wheels 0,8 - 1,2 mm for angle grinders

Ceramic cutting-off wheel

## K 960 TX SPECIAL



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



Applications:	
Steel	●
Stainless steel	●
High alloy steel	●
Carbon steel	●

# CERAMIC !

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

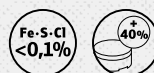
Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	328885	79,19 ZAR	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	328886	91,79 ZAR	11

Cutting-off wheel

## Z 960 TX SPECIAL



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



Applications:	
Stainless steel	●
Alloys	●
Carbon steel	●
Titanium	●

# ZIRCONIUM !

**Advantages:** Free of iron, sulphur and chlorine - Ideal for tough/hard materials such as titanium and high alloy steels - Short cutting times and long service life due to self-sharpening zirconia alumina - Low thermal load - Low burr formation - 25 pieces delivered in the Kronenflex® box for long lasting high performance and moisture protection

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 1 x 22,23	—	80 m/s	13300 rpm	25	322184	70,01 ZAR	11
125 x 1 x 22,23	—	80 m/s	12200 rpm	25	322185	66,26 ZAR	11

Prices exclude VAT. Recommended prices.

# Kronenflex® cutting-off wheels 0,8 - 1,2 mm for angle grinders



Cutting-off wheel

## EDGE SPECIAL



### Class

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



### Applications:

Stainless steel	●
Steel	●

**Advantages:** Short cutting times and long service life - 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	Price/piece ZAR	Discount group
115 x 1,2 x 22,23	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	13300 rpm	25	317818	<b>105,09 ZAR</b>	11
125 x 1,2 x 22,23	■ ■ ■ ■ ■ ■ ■ ■	80 m/s	12200 rpm	25	317820	<b>118,55 ZAR</b>	11

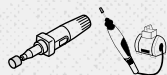
Prices exclude VAT. Recommended prices.

# Kronenflex® small cutting-off wheel

for hand held machines

Small cutting-off wheel

## A 660 R SUPRA



**Class** SUPRA

**Applications:**

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

Steel	●
Stainless steel	●

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 1 x 10	—	100 m/s	19000 rpm	25	329103	58,73 ZAR	11
100 x 1 x 6	—	100 m/s	19000 rpm	25	329102	58,73 ZAR	11
50 x 1 x 10	—	100 m/s	38200 rpm	100	329097	51,38 ZAR	11
50 x 1 x 6	—	100 m/s	38200 rpm	100	329096	51,38 ZAR	11
76 x 1 x 10	—	100 m/s	25200 rpm	100	329099	55,34 ZAR	11
76 x 1 x 10	—	80 m/s	20100 rpm	40	368879	68,44 ZAR	11
76 x 1 x 6	—	100 m/s	25200 rpm	100	329098	55,34 ZAR	11
76 x 1,6 x 6	—	100 m/s	25200 rpm	100	329100	55,34 ZAR	11
76 x 1,6 x 6	—	80 m/s	20100 rpm	40	368878	68,44 ZAR	11

Fixing spindle

## SD 660



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

Diameter in mm	Suitable for	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
6	6 and 10 mm bore	1	337156	1.390,29 ZAR	14

Fixing spindle

## Fixing spindle



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

Diameter in mm	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
6	1	2790	454,90 ZAR	14

Prices exclude VAT. Recommended prices.

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



Cutting-off wheel

## A 646 R SUPRA



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



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

**Advantages:** Free of iron, sulphur and chlorine - Universal use on steel and stainless steel - Cutting disc 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	Price/piece ZAR	Discount group
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	340947	<b>68,25 ZAR</b>	11
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	340946	<b>77,45 ZAR</b>	11
180 x 1,6 x 22,23	—	80 m/s	8500 rpm	25	340944	<b>103,56 ZAR</b>	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	340943	<b>116,97 ZAR</b>	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	340942	<b>149,06 ZAR</b>	11

Cutting-off wheel

## A 46 TZ SPECIAL



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



<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	Price/piece ZAR	Discount group
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	187170	<b>57,81 ZAR</b>	11
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	235378	<b>77,11 ZAR</b>	11
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	187171	<b>66,41 ZAR</b>	11
150 x 1,6 x 22,23	—	80 m/s	10200 rpm	25	241472	<b>74,84 ZAR</b>	11
180 x 1,6 x 22,23	—	80 m/s	8500 rpm	25	221161	<b>117,94 ZAR</b>	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	224084	<b>150,75 ZAR</b>	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	265044	<b>150,75 ZAR</b>	11

Prices exclude VAT. Recommended prices.



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

for angle grinders

Cutting-off wheel

## A 946 TZ

### SPECIAL



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



Applications:	
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	Price/piece ZAR	Discount group
100 x 1,6 x 16	—	80 m/s	15300 rpm	25	339103	90,95 ZAR	11
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	25	339109	69,38 ZAR	11
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	25	339110	79,73 ZAR	11
150 x 1,6 x 22,23	—	80 m/s	10200 rpm	25	339111	89,79 ZAR	11
180 x 1,6 x 22,23	—	80 m/s	8500 rpm	25	339112	141,53 ZAR	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	339113	180,92 ZAR	11
230 x 1,9 x 22,23	—	80 m/s	6600 rpm	25	339114	180,92 ZAR	11

Wheel flange

## FL 76



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

Diameter in mm	Suitable for	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
76	A 46 TZ + A 646 R + A 946 TZ	1	236130	2.662,25 ZAR	14

Prices exclude VAT. Recommended prices.

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



Cutting-off wheel

## A 24 EXTRA



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

Applications:
Metals ●

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 2,5 x 22,23	—	80 m/s	13300 rpm	25	242137	46,11 ZAR	11
180 x 3 x 22,23	—	80 m/s	8500 rpm	25	13490	71,76 ZAR	11

Cutting-off wheel

## A 24 R SUPRA



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

Applications:
Steel ●
Stainless steel ①
Castings ①

**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	Price/piece ZAR	Discount group
100 x 2,5 x 16	—	80 m/s	15300 rpm	25	13754	45,24 ZAR	11
115 x 2,5 x 22,23	—	80 m/s	13300 rpm	25	231859	46,11 ZAR	11
115 x 2,5 x 22,23	—	80 m/s	13300 rpm	25	231868	46,11 ZAR	11
125 x 2,5 x 22,23	—	80 m/s	12200 rpm	25	13295	53,20 ZAR	11
150 x 2,5 x 22,23	—	80 m/s	10200 rpm	25	6667	78,05 ZAR	11
180 x 3 x 22,23	—	80 m/s	8500 rpm	25	231864	70,96 ZAR	11
230 x 3 x 22,23	—	80 m/s	6600 rpm	25	231866	102,01 ZAR	11
230 x 3 x 22,23	—	80 m/s	6600 rpm	25	231872	102,01 ZAR	11

Prices exclude VAT. Recommended prices.

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

Cutting-off wheel

## A 24 N SUPRA



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

Applications:	
Stainless steel	●
Aluminium	○

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	3020	<b>60,32 ZAR</b>	11
150 x 2,5 x 22,23		80 m/s	10200 rpm	25	235377	<b>84,21 ZAR</b>	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	13455	<b>92,22 ZAR</b>	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	13463	<b>132,55 ZAR</b>	11

Cutting-off wheel

## A 36 TZ SPECIAL



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

Applications:	
Stainless steel	●
Steel	○

**Advantages:** Very good cutting performance, even with low grinding pressure

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 2 x 22,23		80 m/s	13300 rpm	25	136549	<b>78,99 ZAR</b>	11
125 x 2 x 22,23		80 m/s	12200 rpm	25	136550	<b>90,39 ZAR</b>	11
180 x 2 x 22,23		80 m/s	8500 rpm	25	136551	<b>120,61 ZAR</b>	11
230 x 2 x 22,23		80 m/s	6600 rpm	25	136552	<b>173,37 ZAR</b>	11

Prices exclude VAT. Recommended prices.

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



Cutting-off wheel

## 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	Price/piece ZAR	Discount group
115 x 2,5 x 22,23		80 m/s	13300 rpm	25	136554	<b>74,09 ZAR</b>	11
125 x 2,5 x 22,23		80 m/s	12200 rpm	25	136555	<b>85,10 ZAR</b>	11
180 x 3 x 22,23		80 m/s	8500 rpm	25	136558	<b>113,52 ZAR</b>	11
230 x 3 x 22,23		80 m/s	6600 rpm	25	136559	<b>163,16 ZAR</b>	11

Cutting-off wheel

## A 46 N SUPRA



Class	SUPRA										Applications:
Bond	■	■	■	■	■	■	■	■	■	■	Aluminium ●
Aggression	■	■	■	■	■	■	■	■	■	■	
Service life	■	■	■	■	■	■	■	■	■	■	

**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	Price/piece ZAR	Discount group
230 x 3 x 22,23		80 m/s	6600 rpm	25	170710	<b>142,72 ZAR</b>	11

Prices exclude VAT. Recommended prices.

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

Cutting-off wheel

## C 24 EXTRA



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

Applications:
Stone/Concrete ●

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

## SILICON CARBIDE



Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 2,5 x 22,23	—	80 m/s	13300 rpm	25	242143	48,76 ZAR	11
125 x 2,5 x 22,23	—	80 m/s	12200 rpm	25	242144	55,85 ZAR	11
180 x 3 x 22,23	—	80 m/s	8500 rpm	25	13489	74,50 ZAR	11
230 x 3 x 22,23	—	80 m/s	6600 rpm	25	13491	106,83 ZAR	11

Cutting-off wheel

## C 24 R SUPRA



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

Applications:
Stone/Concrete ●
Castings ○

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

## SILICON CARBIDE



Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 2,5 x 22,23	—	80 m/s	13300 rpm	25	13465	62,55 ZAR	11

Prices exclude VAT. Recommended prices.



# Kronenflex® large cutting-off wheels

for petrol driven saw/cutter / with clamping device



Cutting-off wheel

## A 924 R SPECIAL



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

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

**Advantages:** Optimised bond for use on steel, also can be used on stainless steel - For use on gas powered free-hand machines with a cutting speed of 100m/s - Free-hand cutting of pipes, rods, profiles and solid materials

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
305 x 4 x 20	—	100 m/s	6400 rpm	10	354419	<b>325,12 ZAR</b>	11
305 x 4 x 22,23	—	100 m/s	6400 rpm	10	354418	<b>325,12 ZAR</b>	11
305 x 4 x 25,4	—	100 m/s	6400 rpm	10	354417	<b>324,85 ZAR</b>	11
356 x 4 x 20	—	100 m/s	5500 rpm	10	354416	<b>486,24 ZAR</b>	11
356 x 4 x 22,23	—	100 m/s	5500 rpm	10	354415	<b>486,24 ZAR</b>	11
356 x 4 x 25,4	—	100 m/s	5500 rpm	10	354414	<b>486,24 ZAR</b>	11

Cutting-off wheel

## A 624 SX SUPRA



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



<b>Applications:</b>	
Steel	●

**Advantages:** For universal use on all rail types - Top performing product for lower powered machines (<5kW) and hard rails - Fast cutting, due to softer bond - For use on gas powered cutting-off machines with a cutting speed of 100 m/s and clamping device

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
356 x 4 x 22,23	—	100 m/s	5500 rpm	10	351433	<b>512,51 ZAR</b>	11
356 x 4 x 25,4	—	100 m/s	5500 rpm	10	340641	<b>512,51 ZAR</b>	11
406 x 4 x 25,4	—	100 m/s	4800 rpm	10	351436	<b>613,14 ZAR</b>	11

Prices exclude VAT. Recommended prices.

# Kronenflex® large cutting-off wheels

for petrol powered cutter with clamping device

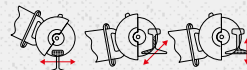
Cutting-off wheel

## A 924 SX

### SPECIAL



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



<b>Applications:</b>	
Steel	●

**Advantages:** For universal use on all rail types - Top performing product for high powered machines (>5kW) and hard rails - For use on gas powered cutting-off machines with a cutting speed of 100 m/s and clamping device - Excellent service life

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
356 x 4 x 22,23	■■■■	100 m/s	5500 rpm	10	352325	<b>614,64 ZAR</b>	11
356 x 4 x 25,4	■■■■	100 m/s	5500 rpm	10	353097	<b>614,64 ZAR</b>	11

Prices exclude VAT. Recommended prices.

# Kronenflex® large cutting-off wheels

for stationary cutting / portable chop saws



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	Price/piece ZAR	Discount group
300 x 3 x 25,4	—	100 m/s	6400 rpm	10	6793	<b>407,48 ZAR</b>	11
350 x 3,5 x 25,4	—	100 m/s	5500 rpm	10	13528	<b>583,19 ZAR</b>	11
350 x 3,5 x 32	—	100 m/s	5500 rpm	10	13536	<b>583,19 ZAR</b>	11
400 x 4,5 x 25,4	—	100 m/s	4800 rpm	10	292933	<b>671,71 ZAR</b>	11
400 x 4,5 x 40	—	100 m/s	4800 rpm	10	296567	<b>671,71 ZAR</b>	11

Cutting-off wheel

## A 330 EXTRA



**Class** EXTRA

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



**Applications:**

Steel	●
Stainless steel	○
Aluminium	○
Castings	○

**Advantages:** More stability during cutting due to two glass fibre reinforcement mesh - Good cutting speed with a long service life - Recommended for various materials and different profiles - Usable on chop saws in craft and industry

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
305 x 2,5 x 25,4	—	80 m/s	5100 rpm	10	360976	<b>273,39 ZAR</b>	11
356 x 2,5 x 25,4	—	80 m/s	4400 rpm	10	353326	<b>388,81 ZAR</b>	11
406 x 3 x 25,4	—	80 m/s	3800 rpm	10	353329	<b>521,86 ZAR</b>	11

Prices exclude VAT. Recommended prices.

# Kronenflex® large cutting-off wheels

for portable chop saws

Cutting-off wheel

## A 630 N

### SUPRA



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



Applications:	
Steel	●
Stainless steel	○
Aluminium	○
Castings	○

**Advantages:** Aggressive model with an outstanding service life - An exceptional choice for 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	Price/piece ZAR	Discount group
300 x 2,5 x 25,4	—	80 m/s	5100 rpm	10	353325	326,07 ZAR	11
356 x 2,5 x 25,4	—	80 m/s	4400 rpm	10	353324	466,57 ZAR	11
406 x 3,2 x 25,4	—	80 m/s	3800 rpm	10	353328	626,27 ZAR	11

Cutting-off wheel

## A 930 N

### SPECIAL



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



Applications:	
Steel	●
Stainless steel	○
Aluminium	○
Castings	○

**Advantages:** Ultimate aggression and service life for universal use (pipes, profiles, solid material) - Low thermal load and minimum burr formation due to one glass fibre reinforcement mesh - An exceptional choice for 110 volt machines and the cutting of solid material

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
350 x 3 x 25,4	—	80 m/s	4400 rpm	10	322628	549,61 ZAR	11

Prices exclude VAT. Recommended prices.

Grinding disc





## A 24 EXTRA T



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

<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	Price/piece ZAR	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	325289	<b>84,88 ZAR</b>	11
180 x 6 x 22,23		80 m/s	8500 rpm	10	13794	<b>128,16 ZAR</b>	11
180 x 8 x 22,23		80 m/s	8500 rpm	10	13445	<b>166,72 ZAR</b>	11
230 x 6 x 22,23		80 m/s	6600 rpm	10	277571	<b>179,80 ZAR</b>	11

Grinding disc







## A 24 R SUPRA



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

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

**Advantages:** With optimised recipe for use on steel - Also suitable for use on stainless steel - Large product range

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 6 x 16		80 m/s	15300 rpm	10	6578	<b>95,75 ZAR</b>	11
115 x 6 x 22,23		80 m/s	13300 rpm	10	13401	<b>81,54 ZAR</b>	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	13402	<b>112,61 ZAR</b>	11
150 x 6 x 22,23		80 m/s	10200 rpm	10	13403	<b>136,95 ZAR</b>	11
180 x 7 x 22,23		80 m/s	8500 rpm	10	13413	<b>161,38 ZAR</b>	11
230 x 6 x 22,23		80 m/s	6600 rpm	10	13433	<b>258,89 ZAR</b>	11

Prices exclude VAT. Recommended prices.



# Kronenflex® grinding discs

Grinding disc INOX

## A 24 N SUPRA



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

Applications:	
Stainless steel	●
Aluminium	○

**Advantages:** High removal rate on stainless steel - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	2923	105,93 ZAR	11
180 x 6 x 22,23		80 m/s	8500 rpm	10	13412	174,72 ZAR	11
230 x 6 x 22,23		80 m/s	6600 rpm	10	13432	280,67 ZAR	11

Grinding disc

## A 24 R/36 SPECIAL



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

Applications:	
Stainless steel	●

**Advantages:** Special wheel for the nuclear industry - Free of iron, sulfur and chlorine - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	2488	121,87 ZAR	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	2830	121,92 ZAR	11

Prices exclude VAT. Recommended prices.

Grinding disc


## A 30 M SPECIAL



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

Applications:	
Stainless steel	●
Steel	●

**Advantages:** Special wheel for the nuclear industry - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	310899	121,87 ZAR	11

Grinding disc



## A 46 N SUPRA



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

Applications:	
Aluminium	●
NF metals	①

**Advantages:** No clogging when used on non-ferrous metals - Optimal ratio between removal and wear

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	6622	109,94 ZAR	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	2226	126,33 ZAR	11

# Kronenflex® grinding discs

Thin cutting-off wheel & grinding disc

## A 46 VZ SPECIAL



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

**Advantages:** Long service life -

**Multi-purpose:** cutting off and light rough grinding with one wheel - High aggressiveness in cutting - No change of wheel necessary

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 2 x 22,23		80 m/s	13300 rpm	25	298176	<b>62,21 ZAR</b>	11
125 x 2 x 22,23		80 m/s	12200 rpm	25	298177	<b>71,69 ZAR</b>	11

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	Price/piece ZAR	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	325215	<b>130,33 ZAR</b>	11
125 x 6 x 22,23		80 m/s	12200 rpm	10	325216	<b>149,86 ZAR</b>	11
180 x 6 x 22,23		80 m/s	8500 rpm	10	325217	<b>214,92 ZAR</b>	11
230 x 6 x 22,23		80 m/s	6600 rpm	10	325218	<b>345,38 ZAR</b>	11

Prices exclude VAT. Recommended prices.



Grinding disc

**C 24 R**  
**SUPRA**



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

**SILICON CARBIDE** !

Applications:	
Stone/Concrete	●
Castings	○

**Advantages:** Ideal for use on stone and mineral materials - High removal rate due to sharp, coarse SiC grain

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 6 x 22,23		80 m/s	13300 rpm	10	6664	<b>69,33 ZAR</b>	11

Prices exclude VAT. Recommended prices.

# Kronenflex® cup grinding wheels

Cup grinding wheel

## A 16 R

### SUPRA



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

Applications:	
Steel	●
Castings	○

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

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
110 x 55 x 22,23		50 m/s	8600 rpm	6	13729	554,05 ZAR	11

Cup grinding wheel

## A 30 R

### SUPRA



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

Applications:	
Steel	●

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

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
110 x 55 x 22,23		50 m/s	8600 rpm	6	13728	554,05 ZAR	11

Prices exclude VAT. Recommended prices. **Please observe: Cup grinding wheels may only be used on angle grinders diameter 180mm with cup grinding wheel protection!**



Cup grinding wheel


## C 16 R SUPRA



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

Applications:	
Stone/Concrete	●
Castings	①

**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	Price/piece ZAR	Discount group
110 x 55 x 22,23		50 m/s	8600 rpm	6	13727	582,27 ZAR	11

Cup grinding wheel


## C 30 R SUPRA



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

Applications:	
Stone/Concrete	●
Castings	①

**Advantages:** For use on surfaces and edges - Ideal for stone and mineral materials due to sharp, coarse SiC grain

Diameter x Height x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
110 x 55 x 22,23		50 m/s	8600 rpm	6	13726	614,87 ZAR	11

Prices exclude VAT. Recommended prices. **Please observe: Cup grinding wheels may only be used on angle grinders diameter 180mm with cup grinding wheel protection!**





# 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.

<i>DT 650 PKD</i>	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>	234-238
			<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>	238-239
					<i>DT 350 B</i>	
					<i>DT 350 BT</i>	
		Clinker	<i>DT 900 K</i>			240
		Lime sandstone, screed and abrasive materials		<i>DT 600 AS</i>		240
		Granite	<i>DT 900 G*</i>	<i>DT 600 G</i>		241
				<i>DT 600 GU</i>		
Cup grinding wheels	Angle grinder	Tiles	<i>DT 900 FL</i>	<i>DT 600 F</i>	<i>DT 300 F</i>	242-244
			<i>DT 900 FT</i>			
			<i>DT 900 FP</i>			
		All Cut Metal		<i>DT 600 ACM</i>		244
		All Cut Rescue	<i>DT 900 ACR</i>			245
		Mortar rake		<i>DN 600 U</i>		245
		Concrete		<i>DS 600 B</i>	<i>DS 300 B</i>	246-247
				<i>DS 600 S</i>		
		Lime sandstone, screed and abrasive materials		<i>DS 600 A</i>		247
		Granite		<i>DS 600 GC*</i>		249
Diamond cutting blades Ø 250 - 500 mm	Petrol powered cutter, Table saw, Joint cutter			<i>DS 600 GM</i>		* available on request
				<i>DS 600 GF</i>		
		Epoxy resin, tile adhesive	<i>DT 900 PKD</i>	<i>DT 650 PKD</i>		248
		Adapter M14			<i>DZ 114</i>	
		Universal	<i>DT 900 U</i>	<i>DT 600 U</i>	<i>DT 300 U</i>	251-254
			<i>DT 900 US</i>	<i>DT 612 UT*</i>	<i>DT 310 UT*</i>	
			<i>DT 900 UX</i>		<i>DT 350 U</i>	
		Tiles	<i>DT 900 FL</i>	<i>DT 600 F</i>	<i>DT 300 F</i>	254-255
		Clinker		<i>DT 600 KM/ DT 600 KMS</i>		256-257
		Refractory brick	<i>DT 900 R</i>			255
		All Cut Rescue	<i>DT 900 ACR</i>			256
		Asphalt	<i>DT 902 A</i>	<i>DT 602 A</i>	<i>DT 350 A</i>	257-259
			<i>DT 910 A</i>	<i>DT 612 A</i>		
		Asphalt / Concrete		<i>DT 612 AB</i>	<i>DT 350 AB</i>	
		Concrete	<i>DT 900 B</i>	<i>DT 602 B</i>	<i>DT 350 B</i>	261-264
			<i>DT 902 B</i>		<i>DT 350 BT</i>	
			<i>DT 910 B</i>		<i>DT 900 BX</i>	
		Reduction rings			<i>DZ 100 RR</i>	264
Drill bits	Drill stand	Concrete	<i>DR 912 B</i>	<i>DK 612 B</i>		265-267
				<i>DK 654 B</i>		
	Percussion drill	Individual segments, ring segments	<i>DO 900 B</i>	<i>DE 600 B</i>		268
		Concrete		<i>DD 600 U</i>		269
		Adapter kit			<i>ADS 200</i>	* available on request
	Drilling machine	Tiles		<i>DB 600 F</i>		269-270
		Tiles		<i>DK 600 F</i>		270-271
	Angle grinder	Hole starting aid			<i>ABH 80</i>	* available on request



### The three product lines

The right tool for every application: Klingspor diamond tools are available in three product lines that are colour-coded to provide the user with a quick overview of the most important materials for which the tools are suitable.



#### **SPECIAL**

**Product line 900** – High performance tools offering outstanding cutting performance and service life. For users who need their tools to perform at peak output and reliability even if subjected to the most punishing applications.



#### **SUPRA**

**Product line 600** – Professional tools with an exceptional price-performance ratio. For users who require diamond tools that deliver reliable and powerful performance every day.



#### **EXTRA**

**Product line 300** – Brand name quality at an affordable price. For users who expect their tools to meet professional standards, but do not need to use them continuously.

1. Klingspor cat. number
2. Product group / type
3. Applications
4. Safety pictograms
5. Max. operating speed
6. Klingspor logo



7. Information about the manufacturer
8. Safety standard
9. Dimensions in mm and inches
10. Max. RPM
11. Rotational direction

## Colour coding system of the Klingspor® diamond tools

### Asphalt

Black



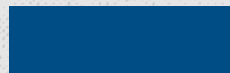
### Tiles

Green



### Stone / Fireproof

Blue



### Concrete

Red



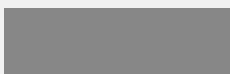
### Universal

White



### Metal

Grey



### Special application

Yellow



## Pictograms on the product pages



Wet and dry applications



Wet applications



Dry applications



Tapered segment



Detenso steel core



Wet applications



Dry applications



Turbo segment



Drop segment



Inclined protective segment



Sandwich core



Set diamonds



# 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

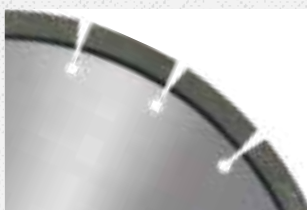
- ▶ first-rate cutting performance
- ▶ clean cutting edges



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]									
Ø [mm]		30	35	40	45	50	55	60	70	80	100
	200	2865	3342	3820	4297	4775	5252	5730	6685	7640	
	230	2491	2906	3322	3737	4152	4567	4982	5813	6643	
	250	2292	2674	3056	3438	3820	4202	4584	5348	6112	
	300	1910	2228	2547	2865	3183	3502	3820	4456	5093	6360
	350	1637	1910	2183	2456	2728	3001	3274	3820	4366	5450
	400	1432	1671	1910	2149	2387	2626	2865	3342	3820	4770
	450	1273	1485	1698	1910	2122	2334	2547	2971	3395	4240
	500	1146	1337	1528	1719	1910	2101	2292	2674	3056	3810
	550	1042	1215	1389	1563	1736	1910	2084	2431	2778	
	600	955	1114	1273	1432	1592	1751	1910	2228	2547	

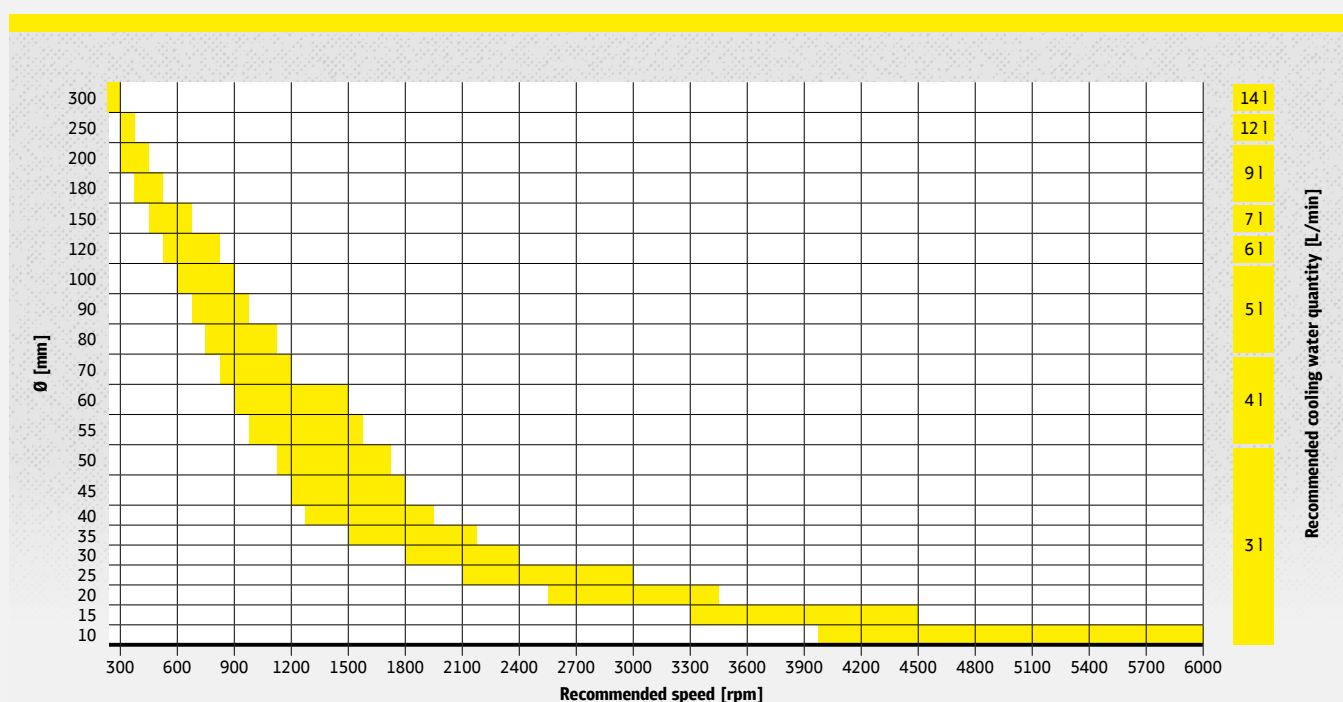
## Motor speeds and cooling water quantity

### The recommended speed range

The chart illustrates the ideal speed range for drill bits as a function of the diameter and the maximum permissible operating speed.

### Recommended cooling water quantity

Drill bits require cooling with water regardless of the material on which they are used. Refer to the right side of the table for the recommended quantity of cooling water.



## Diamond cutting blades for angle grinders

Diamond cutting blade

### DT 300 U EXTRA



#### Properties

Design	Sintered
Segmentation	Standard
Aggression	■■■■□□□□
Service life	■■■■□□□□

#### Applications:

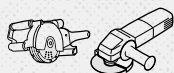
Construction materials	●
Concrete, universal	●

**Advantages:** Product for universal use on general construction materials - Excellent cutting performance - Great price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 37,3 / 1,6 / 7	1	325345	<b>422,18 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	9 / 36,4 / 1,6 / 7	1	325346	<b>469,09 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	13 / 38,1 / 2 / 7	1	325347	<b>750,55 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	16 / 40,2 / 2,3 / 7	1	325348	<b>938,18 ZAR</b>	12

Diamond cutting blade

### DT 350 U EXTRA



#### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□□□
Service life	■■■■■□□□

#### Applications:

Construction materials	●
Concrete, universal	●

**Advantages:** Product with laser-welded standard segments 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	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	336214	<b>590,94 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	336215	<b>656,60 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 10	1	336216	<b>1.050,56 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	336219	<b>1.313,20 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for angle grinders



Diamond cutting blade

## DT 600 U SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■■■■■□
Service life	■■■■□□



### Applications:

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●

**Advantages:** 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	Price/piece ZAR	Discount group
100 x 16	80 m/s	15300 rpm	11 / 20 / 2,4 / 9	1	325025	750,01 ZAR	12
115 x 22,23	80 m/s	13300 rpm	13 / 20 / 2,4 / 9	1	322630	843,76 ZAR	12
125 x 22,23	80 m/s	12200 rpm	15 / 20 / 2,4 / 9	1	322631	937,51 ZAR	12
140 x 22,23	80 m/s	10900 rpm	17 / 20 / 2,4 / 9	1	325046	1.125,01 ZAR	12
150 x 22,23	80 m/s	10200 rpm	18 / 20 / 2,4 / 9	1	322632	1.218,76 ZAR	12
180 x 22,23	80 m/s	8500 rpm	22 / 20 / 2,6 / 9	1	322633	1.500,02 ZAR	12
230 x 22,23	80 m/s	6600 rpm	30 / 20 / 2,6 / 9	1	322634	1.875,02 ZAR	12

Diamond cutting blade

## DT 612 UT SUPRA



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■□□
Service life	■■■■■□



### Applications:

Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●

**Advantages:** Special turbo segments for an extremely high cutting speed on almost all hard materials - Excellent service life even on reinforced concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	334044	887,98 ZAR	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	334045	986,65 ZAR	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	334046	1.578,63 ZAR	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	334047	1.973,29 ZAR	12

Prices exclude VAT. Recommended prices.



# Diamond cutting blades for angle grinders

Diamond cutting blade

## DT 650 UD SUPRA



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■□□
Service life	■■■■■□□



### Applications:

Construction materials	●	Hard stone	①
Cured concrete, reinforced	●		
Concrete, universal	●		
Chalky sandstone	●		

**Advantages:** Ultra fast cutting speed thanks to specially designed turbo segments - Low vibration detenso core for efficient noise reduction - 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	Price/piece ZAR	Discount group
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	334061	2.252,62 ZAR	12

Diamond cutting blade

## DT 900 U SPECIAL



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■■
Service life	■■■■■■■



### Applications:

Construction materials	●	Hard stone	①
Concrete, universal	●		
Cured concrete, reinforced	●		
Chalky sandstone	●		

**Advantages:** Ultra fast cutting speed on almost any hard material thanks to specially designed turbo segments - Further increased service life thanks to titanium-coated diamonds even on reinforced concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	325206	1.432,17 ZAR	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	325209	1.593,98 ZAR	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	325028	2.547,13 ZAR	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325045	3.181,49 ZAR	12

Prices exclude VAT. Recommended prices.



# Diamond cutting blades for angle grinders



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	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,9 / 7	1	325353	<b>439,69 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,9 / 7	1	325354	<b>488,54 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 2,2 / 7	1	325355	<b>781,67 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 7	1	325356	<b>977,09 ZAR</b>	12

Diamond cutting blade

## DT 310 UT EXTRA



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■ ■ ■ ■ □ □
Service life	■ ■ ■ □ □ □



### Applications:

Construction materials	●
Concrete, universal	●
Roof tiles	●

**Advantages:** All-purpose - Excellent cutting performance, great price-performance ratio - Turbo segments for clean and 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	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 2 / 10	1	334088	<b>484,13 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 10	1	334091	<b>1.075,84 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for angle grinders

Diamond cutting blade

## DT 900 UT SPECIAL



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■■□□
Service life	■■■■■□□



### Applications:

Concrete, universal	●
Construction materials	●
Roof tiles	●

**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	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 2,2 / 10	1	325364	<b>929,14 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 2,2 / 10	1	325365	<b>1.032,38 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2,5 / 10	1	325367	<b>2.064,76 ZAR</b>	12

Diamond cutting blade

## DT 350 B EXTRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□□
Service life	■■■■■□□



### Applications:

Concrete	●
Cured concrete, reinforced	●

**Advantages:** Diamond cutting disc with good price-performance ratio for working on concrete materials - Fast cutting with low vibration - Optimum service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	339828	<b>658,19 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	339829	<b>1.316,38 ZAR</b>	12

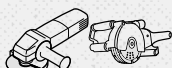
Prices exclude VAT. Recommended prices.

# Diamond cutting blades for angle grinders



Diamond cutting blade

## DT 350 BT EXTRA



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■■□
Service life	■■■■■■■□



### Applications:

Concrete	●
Cured concrete, reinforced	⦿

**Advantages:** Special turbo segments for an extremely high cutting speed on concrete and all concrete products - Fast and easy cutting with low vibration - Optimum service life - Optimum price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	354790	<b>676,19 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	354791	<b>751,32 ZAR</b>	12
150 x 22,23	80 m/s	10200 rpm	11 / 33 / 2,4 / 10	1	354792	<b>976,72 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 10	1	354793	<b>1.202,11 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	354794	<b>1.502,64 ZAR</b>	12

Diamond cutting blade

## DT 900 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■
Service life	■■■■■■■



### Applications:

Cured concrete, reinforced	●
Concrete, universal	●
Chalky sandstone	⦿
Construction materials	⦿

**Advantages:** Titanium-coated diamonds for first-rate cutting performance - Fast cutting speed even on reinforced concrete - Unrivalled service life - Designed for professional applications on concrete

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	325205	<b>1.265,18 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	325208	<b>1.417,96 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	325027	<b>2.243,90 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325034	<b>2.792,94 ZAR</b>	12

Prices exclude VAT. Recommended prices.

## Diamond cutting blades for angle grinders

Diamond cutting blade

### DT 900 K SPECIAL



#### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■□□
Service life	■■■■■□□



#### Applications:

Clinker	●
Concrete products	○
Construction materials	○

**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	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 12	1	325204	<b>1.056,12 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 12	1	325207	<b>1.173,47 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 12	1	325026	<b>1.877,55 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 12	1	325033	<b>2.346,94 ZAR</b>	12

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 Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,5 / 12	1	334039	<b>1.775,51 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,5 / 12	1	334040	<b>1.972,79 ZAR</b>	12
150 x 22,23	80 m/s	10200 rpm	11 / 33 / 2,5 / 12	1	336180	<b>2.564,63 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,7 / 12	1	334041	<b>3.156,46 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,7 / 12	1	334042	<b>3.945,58 ZAR</b>	12

Prices exclude VAT. Recommended prices.



# Diamond cutting blades for angle grinders



Diamond cutting blade

## DT 600 G SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ □ □ □



### Applications:

Granite	●
Terrazzo	●

**Advantages:** High stock removal rate - Excellent service life - Clean cutting - Great price-performance ratio - Suitable for all types of granite

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
180 x 22,23	80 m/s	8500 rpm	22 / 20 / 2,6 / 9	1	325096	2.101,75 ZAR	12

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	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 33 / 2,4 / 10	1	336614	930,35 ZAR	12
125 x 22,23	80 m/s	12200 rpm	9 / 33 / 2,4 / 10	1	336615	1.033,73 ZAR	12
180 x 22,23	80 m/s	8500 rpm	11 / 42 / 2,6 / 10	1	336616	1.653,96 ZAR	12
230 x 22,23	80 m/s	6600 rpm	15 / 42 / 2,6 / 10	1	336617	2.067,45 ZAR	12

Prices exclude VAT. Recommended prices.



## Diamond cutting blades for angle grinders

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	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,6 / 7	1	325357	<b>379,59 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,6 / 7	1	325358	<b>421,77 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325359	<b>674,83 ZAR</b>	12
200 x 25,4 / 30	80 m/s	7600 rpm	CR / CR / 1,9 / 7	1	325454	<b>801,36 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 1,9 / 7	1	325360	<b>843,54 ZAR</b>	12

Diamond cutting blade

### DT 600 F SUPRA



#### Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■□□□□
Service life	■■■■□□□□



#### Applications:

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

**Advantages:** Professional wheel for tiles and feldspat - 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	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,6 / 7	1	325368	<b>548,11 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,6 / 7	1	325369	<b>609,01 ZAR</b>	12
150 x 22,23	80 m/s	10200 rpm	CR / CR / 1,6 / 7	1	325370	<b>791,71 ZAR</b>	12
180 x 22,23	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325371	<b>974,41 ZAR</b>	12
180 x 25,4 / 30	80 m/s	8500 rpm	CR / CR / 1,6 / 7	1	325455	<b>974,41 ZAR</b>	12
200 x 25,4 / 30	80 m/s	7600 rpm	CR / CR / 1,9 / 7	1	325373	<b>1.157,11 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 1,9 / 7	1	325372	<b>1.218,01 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for angle grinders



Diamond cutting blade

## DT 900 FL SPECIAL



### Properties

Design	Sintered
Segmentation	Continuous rim, with laser-cut slots
Aggression	■■■■■■■□
Service life	■■■■■■■□



### Applications:

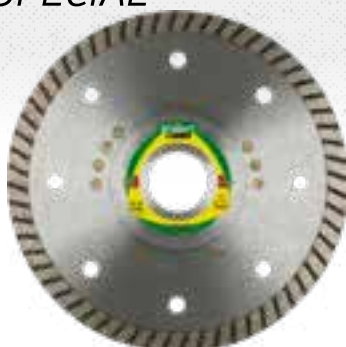
Wall tiles	●	Marble	●
Floor tiles	●	Stoneware	●
Porcelain	●		
Ceramics	●		

**Advantages:** High-precision tool for hard wall and floor tiles - Laser-cut slots for exceptionally smooth operation and perfectly cut edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,4 / 7	1	331042	1.096,25 ZAR	12

Diamond cutting blade

## DT 900 FT SPECIAL



### Properties

Design	Sintered
Segmentation	Turbo continuous rim
Aggression	■■■■■■■
Service life	■■■■■■■□



### Applications:

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●
Granite	●

**Advantages:** 1,4 mm thin professional blade for extremely demanding applications - Work results of superior quality - Continuous rim with turbo segments - Clean and nick-free edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,4 / 7,5	1	325392	1.011,62 ZAR	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,4 / 7,5	1	325393	1.124,02 ZAR	12
230 x 22,23	80 m/s	6600 rpm	CR / CR / 2 / 7	1	330629	2.248,03 ZAR	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for angle grinders

Diamond cutting blade

## DT 900 FP SPECIAL



### Properties

Design	Sintered
Segmentation	Continuous rim, with special geometry
Aggression	■■■■■■■
Service life	■■■■■■■□



### Applications:

Hard floor tiles	●	Ceramics	●
Porcelain	●		
Hard wall tiles	●		
Hard fine stoneware	●		

**Advantages:** Extra thin disc for hard tiles and porcelain - The special geometry allows for superior cutting speeds and perfectly cut edges

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	CR / CR / 1,4 / 10	1	331039	<b>1.264,91 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	CR / CR / 1,4 / 10	1	331040	<b>1.405,46 ZAR</b>	12

Diamond cutting blade

## DT 600 ACM SUPRA



### Properties

Design	Vacuum-brazed
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□



### Applications:

Steel	●	Castings	●
Stainless steel	●	Aluminium	①
Metals	●		
NF metals	●		

**Advantages:** Vacuum-brazed disc for almost all metallic materials - No wear behaviour as with conventional diamond cutting blades and therefore almost odourless and dirt-free - Extra thin blade for high cutting performance and aggressiveness

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 42 / 1,3 / 1,8	1	355720	<b>1.582,32 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	10 / 36 / 1,3 / 1,8	1	355722	<b>1.758,13 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	16 / 42 / 1,6 / 1,8	1	355721	<b>3.516,27 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for angle grinders



Diamond cutting blade

## DT 900 ACR SPECIAL



### Properties

Design	Vacuum-brazed
Segmentation	Narrow gullet
Aggression	■■■■■■■■■
Service life	■■■■■■■■■



### Applications:

Construction materials	●	Plastic	●
Concrete, universal	●	Rubber	●
Glass	●	Metal	○
Wood-based materials	●		

**Advantages:** Vacuum-brazed diamond cutting blade for almost all materials - Very wide range of applications due to special manufacturing process - 10 mm high diamond coating for a good service life and an aggressive cut for very different and demanding materials - Ideal for rescue services

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	8 / 56 / 2,8 / 10	1	355723	<b>1.872,32 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	10 / 45 / 2,8 / 10	1	355724	<b>2.080,35 ZAR</b>	12
230 x 22,23	80 m/s	6600 rpm	16 / 56 / 3,1 / 10	1	355725	<b>4.160,70 ZAR</b>	12

Broaching wheel

## DN 600 U SUPRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□



### Applications:

Mortar joints	●
Plaster	●
Aerated concrete	●

**Advantages:** Special broaching wheel with robust design for removing mortar from bricks, natural stones and clinker facades - Specially designed hammer segments - Optimum protection of the steel core

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	80 m/s	13300 rpm	9 / 33 / 4,5 / 7	1	325380	<b>2.532,56 ZAR</b>	12
125 x 22,23	80 m/s	12200 rpm	10 / 33 / 4,5 / 7	1	325381	<b>2.812,51 ZAR</b>	12

Prices exclude VAT. Recommended prices.

## Diamond cup grinding wheels for angle grinders

Diamond cup grinding wheel

### DS 300 B EXTRA



#### Properties

Design	Brazed
Segmentation	Standard
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □



#### Applications:

Concrete	●
Screed	●
Construction materials	●

**Advantages:** Double row cup grinding wheel with outstanding stock removal performance - High aggressiveness at low force requirements - Exceptional price-performance ratio - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 16 / 22,23	20	80 m/s	15300 rpm	14 / 7 / 5,5	1	330622	<b>1.423,39 ZAR</b>	12
115 x 22,23	20	80 m/s	13300 rpm	14 / 8,2 / 5,5	1	325361	<b>1.602,88 ZAR</b>	12
125 x 22,23	24,5	80 m/s	12200 rpm	18 / 7 / 5	1	325362	<b>1.958,85 ZAR</b>	12
180 x 22,23	30,5	80 m/s	8500 rpm	22 / 8 / 5	1	325363	<b>2.857,97 ZAR</b>	12

Diamond cup grinding wheel

### DS 600 B SUPRA



#### Properties

Design	Brazed
Segmentation	Standard
Aggression	■ ■ ■ ■ □ □ □
Service life	■ ■ ■ ■ □ □ □



#### Applications:

Concrete	●
Screed	●
Construction materials	●

**Advantages:** Double row cup grinding wheel for machining concrete and abrasive materials - Efficient dust extraction - Aggressive grinding performance - Long service life - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	20	80 m/s	13300 rpm	16 / 8,2 / 5,5	1	325377	<b>2.529,64 ZAR</b>	12
125 x 22,23	23,5	80 m/s	12200 rpm	20 / 7,2 / 5,5	1	325378	<b>3.091,42 ZAR</b>	12
180 x 22,23	30,5	80 m/s	8500 rpm	24 / 8 / 5,5	1	325379	<b>4.510,40 ZAR</b>	12

Prices exclude VAT. Recommended prices.



# Diamond cup grinding wheels for angle grinders



Diamond cup grinding wheel

## DS 600 S SUPRA



### Properties

Design	Brazed
Segmentation	Standard
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □



### Applications:

Concrete	●	Brickwork	●
Firebrick	●		
Natural stone	●		
Masonry	●		

**Advantages:** Excellent dust extraction thanks to specially designed (fan-shaped) opening - Low weight thanks to lightweight steel plate - Rugged performance and operation with minimum vibrations - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 16 / 22,23	20,5	80 m/s	15300 rpm	16 / 7,2 / 5,5	1	331022	2.621,10 ZAR	12
115 x 22,23	20,5	80 m/s	13300 rpm	16 / 7,2 / 5,5	1	331023	2.951,63 ZAR	12
125 x 22,23	20,5	80 m/s	12200 rpm	16 / 7,2 / 5,5	1	331024	3.607,11 ZAR	12
180 x 22,23	30,5	80 m/s	8500 rpm	24 / 7,8 / 5,5	1	331025	5.262,81 ZAR	12

Diamond cup grinding wheel

## DS 600 A SUPRA



### Properties

Design	Brazed
Segmentation	Standard
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □



### Applications:

Asphalt	●	Sandstone	●
Abrasive materials	●		
Green concrete	●		
Aerated concrete	●		

**Advantages:** An ideal match with all types of abrasive materials - Outstanding grinding performance combined with a long service life - Fast and smooth grinding of surfaces thanks to double-row segments - Extended service life thanks to optimized matrix and diamonds - Simple dust extraction through openings in the steel enclosure - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	20	80 m/s	13300 rpm	14 / 8,2 / 5,5	1	331027	1.686,55 ZAR	12
125 x 22,23	24,5	80 m/s	12200 rpm	18 / 7,2 / 5	1	331028	2.061,09 ZAR	12
180 x 22,23	30,5	80 m/s	8500 rpm	22 / 7,8 / 5,3	1	331029	3.007,15 ZAR	12

Prices exclude VAT. Recommended prices.

## Diamond cup grinding wheels for angle grinders

Diamond cup grinding wheel

### DS 650 PKD

#### SUPRA



#### Properties

Design	Brazed
Aggression	■■■■■■■□
Service life	■■■■■■■□



#### Applications:

Epoxy resin	●	Bitumen	●
Adhesive	●	Paint	●
Coatings	●	Glue	●
Filler	●		

**Advantages:** PCD (Poly Crystalline Diamonds) cup grinding wheel with good stock removal on hard resins and adhesive residues - Good dust removal - Aggressive grinding performance - Support segments for a smooth and low-vibration grinding process - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
125 x 22,23	21,6	80 m/s	12200 rpm	6 / 13 / 3,6	1	355953	<b>6.050,94 ZAR</b>	12
180 x 22,23	29	80 m/s	8500 rpm	6 / 13 / 4	1	355940	<b>7.997,40 ZAR</b>	12

Diamond cup grinding wheel

### DS 900 PKD

#### SPECIAL



#### Properties

Design	Brazed
Aggression	■■■■■■■
Service life	■■■■■■■



#### Applications:

Adhesive	●	Bitumen	●
Epoxy resin	●	Paint	●
Filler	●	Glue	●
Coatings	●		

**Advantages:** Ultra-aggressive polycrystalline diamond cutting wedges enable the cup grinding wheel to remove hard and solid coatings - Support segments for a smooth and low-vibration grinding process - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
125 x 22,23	21	80 m/s	12200 rpm	6 / 5 / 3,5	1	355941	<b>9.438,31 ZAR</b>	12
180 x 22,23	21,5	80 m/s	8500 rpm	8 / 5 / 3,5	1	355948	<b>12.474,41 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Diamond cup grinding wheels for angle grinders



Diamond cup grinding wheel

## DS 600 GM SUPRA



### Properties

Design	Brazed
Segmentation	Turbo
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □



### Applications:

Granite	●
Hard stone	●
Marble	○

**Advantages:** Turbo-serrated diamond cup grinding wheel for granite - Premium quality for perfect grinding on hard granite - Clean grinding results on edges - For medium grinding - M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
125 x 22,23	22,85	80 m/s	12200 rpm	Turbo / Medium / 20 / 7,3	1	331056	5.135,89 ZAR	12

Diamond cup grinding wheel

## DS 600 GF SUPRA



### Properties

Design	Brazed
Segmentation	Turbo
Aggression	■ ■ ■ □ □ □ □
Service life	■ ■ ■ ■ ■ □ □



### Applications:

Granite	●
Hard stone	●
Marble	○

**Advantages:** Turbo-serrated cup grinding wheel for granite - Premium quality for perfect grinding on hard granite - Clean grinding results on edges - For fine grinding- M14 adapter available, see DZ 114

Diameter x Bore in mm	Cup grinding wheel height in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 22,23	22,85	80 m/s	13300 rpm	Turbo / Fine / 20 / 7,3	1	331058	4.218,80 ZAR	12
125 x 22,23	22,85	80 m/s	12200 rpm	Turbo / Fine / 20 / 7,3	1	331059	5.155,70 ZAR	12

Prices exclude VAT. Recommended prices.

# Adapter

Adapter M14

**DZ 114**



**Advantages:** For retooling diamond cup grinding wheels with a Ø 22.23 mm hole to an M14 spindle size - Suitable for all Klingspor diamond cup grinding wheels

Mounting	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
thread M14	1	331332	936,14 ZAR	14

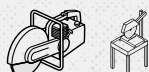
Prices exclude VAT. Recommended prices.

# Diamond cutting blades for petrol powered cutters, table saws and joint cutters



Diamond cutting blade

## DT 300 U EXTRA



### Properties

Design	Sintered
Segmentation	Standard
Aggression	■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■



### Applications:

Construction materials	●
------------------------	---

**Advantages:** Product for universal use on general construction materials - Excellent cutting performance - Great price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm	17 / 50,1 / 2,8 / 7	1	326831	<b>1.783,76 ZAR</b>	12
300 x 25,4	100 m/s	6400 rpm	17 / 50,1 / 2,8 / 7	1	325349	<b>1.783,76 ZAR</b>	12
300 x 30	100 m/s	6400 rpm	17 / 50,1 / 2,8 / 7	1	325351	<b>1.783,76 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm	20 / 50,1 / 2,8 / 7	1	325350	<b>2.245,55 ZAR</b>	12
350 x 30	100 m/s	5500 rpm	20 / 50,1 / 2,8 / 7	1	325352	<b>2.245,55 ZAR</b>	12

Diamond cutting blade

## DT 350 U EXTRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■



### Applications:

Construction materials	●
Concrete, universal	●

**Advantages:** Product with laser-welded standard segments for universal use on general construction materials - Smooth, fast and low-vibration cutting with unmatched service life - Optimum price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	336223	<b>2.544,21 ZAR</b>	12
300 x 25,4	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	336220	<b>2.544,21 ZAR</b>	12
350 x 20	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	336224	<b>3.202,86 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	336221	<b>3.202,86 ZAR</b>	12

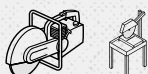
Prices exclude VAT. Recommended prices.



# Diamond cutting blades for petrol powered cutters and table saws

Diamond cutting blade

## DT 600 U SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■■■■■■■□
Service life	■■■■□□□



### Applications:

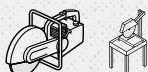
Construction materials	●
Concrete, universal	●
Cured concrete, reinforced	●
Chalky sandstone	●

**Advantages:** High cutting performance - Long service life thanks to the use of premium-grade raw materials and diamonds - Clean cutting edges - Effortless cutting thanks to short serrated segments

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm	32 / 24 / 2,8 / 10	1	325183	3.565,14 ZAR	12
300 x 25,4	100 m/s	6400 rpm	32 / 24 / 2,8 / 10	1	325184	3.565,14 ZAR	12
300 x 30	100 m/s	6400 rpm	32 / 24 / 2,8 / 10	1	325185	3.565,14 ZAR	12
350 x 20	100 m/s	5500 rpm	37 / 24 / 3 / 10	1	325194	4.488,09 ZAR	12
350 x 25,4	100 m/s	5500 rpm	37 / 24 / 3 / 10	1	325195	4.488,09 ZAR	12
350 x 30	100 m/s	5500 rpm	37 / 24 / 3 / 10	1	325196	4.488,09 ZAR	12
400 x 25,4	100 m/s	4800 rpm	43 / 24 / 3,6 / 10	1	347485	6.294,91 ZAR	12
450 x 25,4	100 m/s	4300 rpm	48 / 24 / 3,6 / 10	1	325201	7.487,33 ZAR	12
450 x 30	100 m/s	4300 rpm	48 / 24 / 3,6 / 10	1	325200	7.487,33 ZAR	12
500 x 25,4	100 m/s	3900 rpm	54 / 24 / 3,6 / 10	1	325203	9.001,15 ZAR	12
500 x 30	100 m/s	3900 rpm	54 / 24 / 3,6 / 10	1	325202	9.001,15 ZAR	12

Diamond cutting blade

## DT 900 U SPECIAL



### Properties

Design	Laser welded
Segmentation	Narrow/wide gullet
Aggression	■■■■■■■
Service life	■■■■■■■



### Applications:

Construction materials	●	Granite	●
Concrete, universal	●		
Cured concrete, reinforced	●		
Chalky sandstone	●		

**Advantages:** Suitable for a wide range of applications - Ultra fast cutting speed - Special segment bond for long service life and clean cuts - Engineered for professional use

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325053	4.459,89 ZAR	12
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	325067	4.913,01 ZAR	12
300 x 30	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325052	4.459,89 ZAR	12
300 x 30	100 m/s	6400 rpm		21 / 40 / 2,8 / 10	1	325066	4.913,01 ZAR	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3 / 10	1	325085	5.660,64 ZAR	12
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325100	6.205,99 ZAR	12

Prices exclude VAT. Recommended prices.

Continuation →

# Diamond cutting blades for petrol powered cutters and joint cutters

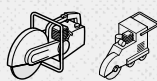


→ Continuation of DT 900 U Special, Diamond cutting blade

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
350 x 30	100 m/s	5500 rpm		21 / 40 / 3 / 10	1	325084	<b>5.660,64 ZAR</b>	12
350 x 30	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325099	<b>6.205,99 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,6 / 10	1	325133	<b>9.372,92 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		32 / 40 / 3,6 / 10	1	325176	<b>10.324,44 ZAR</b>	12
450 x 30	100 m/s	4300 rpm		26 / 40 / 3,6 / 10	1	325132	<b>9.372,92 ZAR</b>	12
450 x 30	100 m/s	4300 rpm		32 / 40 / 3,6 / 10	1	325175	<b>10.324,44 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	325155	<b>12.407,14 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	325164	<b>11.279,21 ZAR</b>	12
500 x 30	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	325154	<b>12.407,14 ZAR</b>	12

Diamond cutting blade

## DT 900 UX SPECIAL



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■■■■
Service life	■■■■■■■■■■



### Applications:

Concrete, universal	●
Construction materials	●
Cured concrete, reinforced	●

**Advantages:** Specially developed matrix segments with performance-optimized arrangement of the diamonds ensure a very high cutting speed and good service life - Ideally suited for almost all construction materials

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	334048	<b>5.152,38 ZAR</b>	12
300 x 25,4	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	336609	<b>5.152,38 ZAR</b>	12
350 x 20	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	334049	<b>6.486,25 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	336610	<b>6.486,25 ZAR</b>	12
400 x 20	100 m/s	4800 rpm	26 / 40 / 3,6 / 12	1	334050	<b>9.097,49 ZAR</b>	12
400 x 25,4	100 m/s	4800 rpm	26 / 40 / 3,6 / 12	1	336611	<b>9.097,49 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm	30 / 40 / 3,6 / 12	1	336612	<b>10.820,79 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm	34 / 40 / 3,6 / 12	1	336613	<b>13.008,59 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for table saws

Diamond cutting blade

## DT 900 US SPECIAL



### Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■■
Service life	■■■■■■■■



### Applications:

Cured concrete, reinforced	●	Granite	●
Concrete, universal	●		
Construction materials	●		
Chalky sandstone	●		

**Advantages:** 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	Segmen- tation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	334063	8.025,76 ZAR	12

Diamond cutting blade

## DT 600 F SUPRA



### Properties

Design	Sintered
Segmentation	Continuous rim
Aggression	■■■■■□□
Service life	■■■■■□□



### Applications:

Stoneware	●
Stove tiles	●
Stove tiles, glazed	●

**Advantages:** Professional wheel for tiles and feldspar - 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	Price/piece ZAR	Discount group
250 x 25,4 / 30	80 m/s	6100 rpm	CR / CR / 1,9 / 7	1	325374	1.787,33 ZAR	12
300 x 25,4 / 30	100 m/s	6400 rpm	CR / CR / 2 / 7	1	325375	2.347,36 ZAR	12
350 x 25,4 / 30	100 m/s	5500 rpm	CR / CR / 2 / 7	1	325376	2.955,05 ZAR	12

Prices exclude VAT. Recommended prices.

Diamond cutting blade

## DT 900 FL SPECIAL



### Properties

Design	Sintered
Segmentation	Continuous rim, with laser-cut slots
Aggression	■■■■■■■□
Service life	■■■■■■■□



### Applications:

Wall tiles	●	Marble	●
Floor tiles	●	Stoneware	●
Porcelain	●		
Ceramics	●		

**Advantages:** High-precision tool for hard wall and floor tiles - Laser-cut slots for exceptionally smooth operation and perfectly cut edges - Reduction ring from 30 mm to 25,4 mm included

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
250 x 25,4 / 30	100 m/s	7600 rpm	CR / CR / 2 / 7	1	331047	3.575,02 ZAR	12
300 x 25,4 / 30	100 m/s	6400 rpm	CR / CR / 2,2 / 7	1	331049	4.695,19 ZAR	12
350 x 25,4 / 30	100 m/s	5500 rpm	CR / CR / 2,2 / 7	1	331050	5.910,70 ZAR	12

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	Price/piece ZAR	Discount group
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3 / 10	1	325102	12.061,17 ZAR	12
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 10	1	325157	24.189,46 ZAR	12

Prices exclude VAT. Recommended prices.



# Diamond cutting blades for petrol powered cutters and table saws

Diamond cutting blade

## DT 900 ACR SPECIAL



### Properties

Design	Vacuum-brazed
Segmentation	Narrow gullet
Aggression	■■■■■■■■■
Service life	■■■■■■■■■



### Applications:

Construction materials	●	Plastic	●
Concrete, universal	●	Rubber	●
Glass	●	Metal	○
Wood-based materials	●		

**Advantages:** Vacuum-brazed diamond cutting blade for almost all materials - Very wide range of applications due to special manufacturing process - 10 mm high diamond coating for a good service life and an aggressive cut for very different and demanding materials - Ideal for rescue services

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm	20 / 57 / 3,1 / 6	1	355726	6.152,11 ZAR	12
300 x 25,4	100 m/s	6400 rpm	20 / 57 / 3,1 / 6	1	355727	6.152,11 ZAR	12
350 x 20	100 m/s	5500 rpm	24 / 53 / 3,1 / 6	1	355729	7.744,79 ZAR	12
350 x 25,4	100 m/s	5500 rpm	24 / 53 / 3,1 / 6	1	355728	7.744,79 ZAR	12

Diamond cutting blade

## DT 600 KM SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■■■■■■■□
Service life	■■■■■■■□



### Applications:

Clinker, medium hard	●
Clinker, soft	○

**Advantages:** High cutting speed due to short serrated segments - Very good service life due to 15 mm high segment - Particularly suitable for medium-hard to soft clinker

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
350 / 25,4	100 m/s	5500 rpm	38 / 24 / 3 / 15	1	360934	4.900,91 ZAR	12
450 x 25,4 / 60	100 m/s	4300 rpm	50 / 24 / 3,6 / 15	1	360933	8.176,03 ZAR	12

Prices exclude VAT. Recommended prices.



# blades for petrol powered cutters, table saws and joint cutters



Diamond cutting blade

## DT 600 KMS SUPRA



### Properties

Design	Laser welded
Segmentation	Short segments
Aggression	■■■■■■■□
Service life	■■■■■■■□



### Applications:

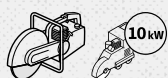
Clinker, medium hard	●
Clinker, hard	○

**Advantages:** High cutting speed due to short serrated segments - Very good service life due to 15 mm high segment - Particularly well suited for medium-hard to soft clinker - Particularly well suited for noise-reduced work thanks to sandwich core

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
350 / 25,4	100 m/s	5500 rpm	38 / 24 / 3 / 15	1	360950	6.727,23 ZAR	12
450 x 25,4 / 60	100 m/s	4300 rpm	50 / 24 / 3,6 / 15	1	360949	11.222,80 ZAR	12
500 x 25,4 / 60	100 m/s	3900 rpm	56 / 24 / 3,6 / 15	1	360951	13.491,89 ZAR	12

Diamond cutting blade

## DT 350 A EXTRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■□□□
Service life	■■■■□□□



### Applications:

Asphalt	●
Sandstone	●

**Advantages:** Diamond cutting blade for general repairs with an outstanding price-performance ratio - Specially engineered for applications on asphalt - Inclined protective segments prevent the premature wearing of the welds which can lead to segment loss on standard blades

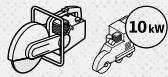
Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmen- tation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	337731	2.329,26 ZAR	12
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	337729	2.329,26 ZAR	12
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	337732	2.932,27 ZAR	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	337730	2.932,27 ZAR	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	337734	4.891,81 ZAR	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	337735	5.880,86 ZAR	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for petrol powered cutters and joint cutters

Diamond cutting blade

## DT 602 A SUPRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications:

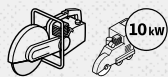
Asphalt	●
Sandstone	●

**Advantages:** First-rate cutting performance - Protective segments to guard the blade - Great price-performance ratio - Specially engineered for applications on asphalt - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmen- tation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	327025	<b>4.282,25 ZAR</b>	12
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	325060	<b>4.282,25 ZAR</b>	12
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	327026	<b>5.390,85 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	325092	<b>5.390,85 ZAR</b>	12
400 x 25,4	100 m/s	4800 rpm		24 / 40 / 3,6 / 10	1	349240	<b>7.561,11 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	325128	<b>8.993,38 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	325171	<b>10.811,71 ZAR</b>	12

Diamond cutting blade

## DT 612 A SUPRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□
Service life	■■■■■□□

### Applications:

Asphalt	●
Sandstone	●

**Advantages:** High cutting speed combined with excellent service life - Protective segments to shield the core - Specially designed for applications on asphalt - Also suitable for use on electric joint cutters

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmen- tation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	330075	<b>5.342,28 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	330076	<b>6.725,31 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	330078	<b>11.219,60 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	330079	<b>13.488,04 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for joint cutters



Diamond cutting blade

## DT 902 A SPECIAL



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■■■
Service life	■■■■■■■□

### Applications:

Asphalt	●
Sandstone	●
Green concrete	●
Screed	●

**Advantages:** Very high cutting performance - 12 mm high segments - Protective segments to guard the blade

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 12	1	325062	<b>7.126,22 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	325094	<b>8.971,08 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 12	1	325130	<b>14.966,15 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 12	1	325173	<b>17.992,08 ZAR</b>	12

Diamond cutting blade

## DT 910 A SPECIAL



### Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■□
Service life	■■■■■■■

### Applications:

Asphalt	●
Sandstone	●
Green concrete	●
Screed	●

**Advantages:** Good cutting performance - 12 mm high segments - Protective segments to guard the blade - Exceptional service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 25,4	100 m/s	6400 rpm		21 / 40 / 2,8 / 12	1	325077	<b>7.743,32 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3,2 / 12	1	325110	<b>9.856,84 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		30 / 40 / 3,7 / 12	1	325161	<b>15.486,65 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		35 / 40 / 3,7 / 12	1	325189	<b>18.591,46 ZAR</b>	12

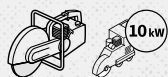
Prices exclude VAT. Recommended prices.

# Diamond cutting blades for petrol powered cutters and joint cutters

**CEVOLUTION**

Diamond cutting blade CEVOLUTION

## DT 350 AB EXTRA CEVOLUTION



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□□
Service life	■■■■■□□



### Applications:

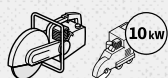
Asphalt	●
Concrete	●

**Advantages:** Multi-purpose product for all repairs on asphalt and concrete thanks to laser-welded block segments, turbo segments and slanted protective segments - Can be used on gasoline-powered cutters and joint cutters with up to 10 kW - The diamond cutting blade DT 350 AB includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimized, ceramic abrasives. Klingspor products with CEVOLUTION technology contain, among others, an optimized grit mix, grit sizes and formulation in order to offer the maximum performance in every application.

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmen- tation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
350 x 20	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	340236	<b>4.466,83 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 12	1	340240	<b>4.466,83 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 12	1	353717	<b>7.451,86 ZAR</b>	12

Diamond cutting blade

## DT 612 AB SUPRA



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■■■■■□
Service life	■■■■■□



### Applications:

Asphalt	●
Concrete	●

**Advantages:** Suitable for asphalt and concrete - Specially engineered for use on both materials - High cutting speed - Excellent service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmen- tation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 10	1	330080	<b>5.522,41 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 10	1	330081	<b>6.952,07 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		28 / 40 / 3,7 / 10	1	330083	<b>11.597,91 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 10	1	330084	<b>13.942,83 ZAR</b>	12

Prices exclude VAT. Recommended prices.



# Diamond cutting blades for petrol powered cutters, table saws and joint cutters



Diamond cutting blade

## DT 350 B EXTRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■ ■ ■ ■ ■ □ □
Service life	■ ■ ■ ■ ■ □ □

### Applications:

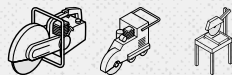
Concrete	●
Cured concrete, reinforced	ⓘ

**Advantages:** Diamond cutting disc with good price-performance ratio for working on concrete and construction materials - Fast cutting with low vibration - Optimum service life

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
350 x 25,4	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	339830	<b>3.378,96 ZAR</b>	12
350 x 30	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	356985	<b>3.378,96 ZAR</b>	12

Diamond cutting blade

## DT 350 BT EXTRA



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■ ■ ■ ■ ■ □
Service life	■ ■ ■ ■ ■ □ □

### Applications:

Concrete	●
Cured concrete, reinforced	ⓘ

**Advantages:** Special turbo segments for an extremely high cutting speed on concrete and all concrete products - Fast and easy cutting with low vibration - Optimum service life - Optimum price-performance ratio

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	354795	<b>2.831,20 ZAR</b>	12
300 x 25,4	100 m/s	6400 rpm	21 / 40 / 2,8 / 10	1	354796	<b>2.831,20 ZAR</b>	12
350 x 20	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	354797	<b>3.564,15 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm	24 / 40 / 3 / 10	1	354798	<b>3.564,15 ZAR</b>	12
400 x 25,4	100 m/s	4800 rpm	28 / 40 / 3,6 / 10	1	354799	<b>4.999,00 ZAR</b>	12

Prices exclude VAT. Recommended prices.



# Diamond cutting blades for petrol powered cutters and joint cutters

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	Segmen- tation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 9	1	325056	<b>3.563,67 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 9	1	325088	<b>4.486,25 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,7 / 9	1	325136	<b>7.484,25 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 9	1	325167	<b>8.997,46 ZAR</b>	12

Diamond cutting blade

## DT 900 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■
Service life	■■■■■

### Applications:

Cured concrete, reinforced	●
Concrete, universal	●
Construction materials	●
Chalky sandstone	○

**Advantages:** 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	Price/piece ZAR	Discount group
300 x 20	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	325078	<b>4.877,36 ZAR</b>	12
300 x 25,4	100 m/s	6400 rpm	20 / 40 / 2,8 / 12	1	325079	<b>4.877,36 ZAR</b>	12
350 x 20	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	325080	<b>5.574,12 ZAR</b>	12
350 x 25,4	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	325081	<b>5.574,12 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Diamond cutting blades for petrol powered cutters and joint cutters



Diamond cutting blade

## DT 900 BX SPECIAL



### Properties

Design	Laser welded
Segmentation	Turbo
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ ■



### Applications:

Cured concrete, reinforced	●
Concrete, universal	●
Construction materials	●
Chalky sandstone	●

**Advantages:** High performance blade with ultra high cutting speed thanks to turbo segments - Specially engineered for effortless cutting through concrete - Further increased service life 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	Price/piece ZAR	Discount group
350 x 25,4	100 m/s	5500 rpm	22 / 40 / 3 / 12	1	369574	6.495,15 ZAR	12
400 x 25,4	100 m/s	4800 rpm	26 / 40 / 3,6 / 12	1	369575	9.109,97 ZAR	12

Diamond cutting blade

## DT 902 B SPECIAL



### Properties

Design	Laser welded
Segmentation	Wide gullet
Aggression	■ ■ ■ ■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■ ■ ■ □



### Applications:

Cured concrete	●
Cured concrete, reinforced	●

**Advantages:** First-rate cutting performance - Ultra fast cutting speed - Also suitable for concrete with strong reinforcement

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmentation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
300 x 25,4	100 m/s	6400 rpm		18 / 40 / 2,8 / 11	1	325058	5.290,72 ZAR	12
350 x 25,4	100 m/s	5500 rpm		21 / 40 / 3,2 / 11	1	325090	6.660,40 ZAR	12
400 x 25,4	63 m/s	3000 rpm		24 / 40 / 3,4 / 11	1	325122	9.341,75 ZAR	12
450 x 25,4	100 m/s	4300 rpm		26 / 40 / 3,7 / 11	1	325138	11.111,32 ZAR	12
500 x 25,4	100 m/s	3900 rpm		30 / 40 / 3,7 / 11	1	325169	13.357,86 ZAR	12

Prices exclude VAT. Recommended prices.

## Diamond cutting blades for joint cutters / Reduction rings

Diamond cutting blade

### DT 910 B SPECIAL



#### Properties

Design	Laser welded
Segmentation	Narrow gullet
Aggression	■■■■■■■□
Service life	■■■■■■■

#### Applications:

Cured concrete	●
Cured concrete, reinforced	●

**Advantages:** First-rate cutting performance - High cutting speed - Exceptional service life - Also suitable for concrete with strong reinforcement

Diameter x Bore in mm	Max. operating speed	Max. RPM	Segmen- tation	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
350 x 25,4	100 m/s	5500 rpm		24 / 40 / 3,2 / 11	1	325106	<b>7.411,91 ZAR</b>	12
450 x 25,4	100 m/s	4300 rpm		32 / 40 / 3,7 / 11	1	325182	<b>12.365,03 ZAR</b>	12
500 x 25,4	100 m/s	3900 rpm		36 / 40 / 3,7 / 11	1	325193	<b>14.865,05 ZAR</b>	12

Reduction rings

### DZ 100 RR



**Advantages:** Reduction rings with serration for enhanced adhesion

Diameter x Width x Bore in mm	Suitable for	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
25,4 x 2 x 20	Bore 25,4 mm	1	328933	<b>170,18 ZAR</b>	14
25,4 x 2,5 x 20	Bore 25,4 mm	1	328934	<b>170,18 ZAR</b>	14
30 x 2 x 25,4	Bore 30,00 mm	1	337344	<b>170,18 ZAR</b>	14

Prices exclude VAT. Recommended prices.

## Drill bits with R 1/2" connection



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	Overall length in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
51	thread 1/2"	300	5 / 24 / 2,5 / 10	1	325720	<b>4.854,75 ZAR</b>	12
56	thread 1/2"	300	5 / 24 / 2,5 / 10	1	325721	<b>4.932,42 ZAR</b>	12
61	thread 1/2"	300	5 / 24 / 2,5 / 10	1	325722	<b>5.228,56 ZAR</b>	12
71	thread 1/2"	300	7 / 24 / 2,5 / 10	1	325724	<b>5.751,26 ZAR</b>	12
81	thread 1/2"	300	8 / 24 / 2,5 / 10	1	325755	<b>6.574,94 ZAR</b>	12
91	thread 1/2"	300	8 / 24 / 2,5 / 10	1	325756	<b>7.023,21 ZAR</b>	12
101	thread 1/2"	300	9 / 24 / 2,5 / 10	1	325757	<b>7.468,21 ZAR</b>	12
111	thread 1/2"	300	9 / 24 / 2,5 / 10	1	325758	<b>8.219,08 ZAR</b>	12
121	thread 1/2"	300	10 / 24 / 2,5 / 10	1	325759	<b>8.965,10 ZAR</b>	12
131	thread 1/2"	300	10 / 24 / 2,5 / 10	1	325761	<b>10.683,68 ZAR</b>	12
141	thread 1/2"	300	11 / 24 / 2,5 / 10	1	325762	<b>10.984,68 ZAR</b>	12
151	thread 1/2"	300	12 / 24 / 2,5 / 10	1	325763	<b>11.952,39 ZAR</b>	12
161	thread 1/2"	300	12 / 24 / 2,5 / 10	1	325764	<b>12.703,26 ZAR</b>	12
171	thread 1/2"	300	12 / 24 / 2,5 / 10	1	325765	<b>13.225,96 ZAR</b>	12
180	thread 1/2"	300	13 / 24 / 2,5 / 10	1	325766	<b>14.193,68 ZAR</b>	12
201	thread 1/2"	300	15 / 24 / 2,5 / 10	1	325768	<b>16.433,33 ZAR</b>	12

Prices exclude VAT. Recommended prices.

## Drill bits with 1 1/4" UNC connection

1 1/4" UNC Female drill bit

# DK 654 B

## SUPRA



### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□



### Applications:

Concrete, universal	●
---------------------	---

**Advantages:** Drill bits for universal applications - Very fast cutting - Long service life - Roof-shaped segments - Can be used on electric and hydraulic machines - For replacement segments, see DE 600 B

Diameter in mm	Thread/Shaft	Overall length in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
52	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325769	5.112,05 ZAR	12
56	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325770	5.189,72 ZAR	12
61	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325771	5.503,68 ZAR	12
62	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325772	5.581,34 ZAR	12
66	thread 1 1/4"	450	5 / 24 / 3,5 / 11	1	325773	5.817,61 ZAR	12
67	thread 1 1/4"	450	6 / 24 / 3,5 / 11	1	359062	5.807,55 ZAR	12
72	thread 1 1/4"	450	6 / 24 / 3,5 / 11	1	325774	6.133,17 ZAR	12
77	thread 1 1/4"	450	7 / 24 / 3,5 / 11	1	359063	6.522,92 ZAR	12
82	thread 1 1/4"	450	7 / 24 / 3,5 / 11	1	325775	7.076,61 ZAR	12
92	thread 1 1/4"	450	8 / 24 / 3,5 / 11	1	325776	7.468,21 ZAR	12
102	thread 1 1/4"	450	9 / 24 / 3,5 / 11	1	325777	7.866,32 ZAR	12
112	thread 1 1/4"	450	10 / 24 / 3,5 / 11	1	325778	9.042,78 ZAR	12
122	thread 1 1/4"	450	10 / 24 / 4 / 11	1	325779	10.224,10 ZAR	12
132	thread 1 1/4"	450	10 / 24 / 4 / 11	1	325781	11.403,81 ZAR	12
142	thread 1 1/4"	450	11 / 24 / 4 / 11	1	325782	11.797,05 ZAR	12
152	thread 1 1/4"	450	12 / 24 / 4 / 11	1	325783	12.818,16 ZAR	12
162	thread 1 1/4"	450	13 / 24 / 4 / 11	1	325784	13.603,01 ZAR	12
172	thread 1 1/4"	450	13 / 24 / 4 / 11	1	325785	14.391,10 ZAR	12
182	thread 1 1/4"	450	14 / 24 / 4 / 11	1	325786	15.574,03 ZAR	12
202	thread 1 1/4"	450	15 / 24 / 4,5 / 11	1	325787	17.693,95 ZAR	12
225	thread 1 1/4"	450	16 / 24 / 4,5 / 11	1	325788	21.623,07 ZAR	12
250	thread 1 1/4"	450	17 / 24 / 4,5 / 11	1	325789	22.414,38 ZAR	12
300	thread 1 1/4"	450	22 / 20 / 5 / 11	1	325790	27.918,05 ZAR	12

Prices exclude VAT. Recommended prices.



# Drill bits with ring segments, R 1/2" connection



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	Overall length in mm	Segment in mm Number / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
8	thread 1/2"	300	1 / 2 / 10	1	325791	<b>3.050,42 ZAR</b>	12
10	thread 1/2"	300	1 / 2 / 10	1	325792	<b>3.113,51 ZAR</b>	12
12	thread 1/2"	300	1 / 2 / 10	1	325793	<b>3.244,60 ZAR</b>	12
14	thread 1/2"	300	1 / 2 / 10	1	325794	<b>3.505,13 ZAR</b>	12
15	thread 1/2"	300	1 / 2,5 / 10	1	325795	<b>3.697,70 ZAR</b>	12
16	thread 1/2"	300	1 / 2,5 / 10	1	325796	<b>3.760,81 ZAR</b>	12
18	thread 1/2"	300	1 / 2,5 / 10	1	325797	<b>3.891,89 ZAR</b>	12
20	thread 1/2"	300	1 / 2,5 / 10	1	325798	<b>4.021,36 ZAR</b>	12
22	thread 1/2"	300	1 / 2,5 / 10	1	325799	<b>4.409,73 ZAR</b>	12
24	thread 1/2"	300	1 / 2,5 / 10	1	325800	<b>4.477,70 ZAR</b>	12
25	thread 1/2"	300	1 / 2,5 / 10	1	325801	<b>4.540,81 ZAR</b>	12
26	thread 1/2"	300	1 / 2,5 / 10	1	325802	<b>4.801,36 ZAR</b>	12
28	thread 1/2"	300	1 / 2,5 / 10	1	325803	<b>4.932,42 ZAR</b>	12
30	thread 1/2"	300	1 / 2,5 / 10	1	325804	<b>5.189,72 ZAR</b>	12
32	thread 1/2"	300	1 / 2,5 / 10	1	325805	<b>5.969,72 ZAR</b>	12
35	thread 1/2"	300	1 / 3 / 10	1	325806	<b>6.485,94 ZAR</b>	12
40	thread 1/2"	300	1 / 3 / 10	1	325807	<b>6.879,19 ZAR</b>	12
42	thread 1/2"	300	1 / 3,5 / 10	1	325808	<b>7.654,33 ZAR</b>	12
52	thread 1/2"	300	1 / 3,5 / 10	1	325811	<b>8.432,69 ZAR</b>	12

Prices exclude VAT. Recommended prices.

# Drill bit segments for DK 654 and DK 612

## Ring segments for drill bits DR 912 B

Individual segment

### DE 600 B SUPRA



#### Properties

Design	Laser welded
Segmentation	Standard
Aggression	■■■■■■■□
Service life	■■■■■■■□



#### Applications:

Concrete, universal	●
---------------------	---

**Advantages:** Single, roof-shaped segments for a fast first cut - Replacement segments for DK 612 B and DK 654 drill bits

Segment length in mm	Suitable for	Segment in mm Length / Width / Height / Radius	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
20	Ø >272	20 / 5 / 11 / G	30	325839	<b>377,05 ZAR</b>	12
24	Ø 56-67	24 / 3,5 / 11 / 30	30	325833	<b>347,92 ZAR</b>	12
24	Ø 72-87	24 / 3,5 / 11 / 40	30	325834	<b>347,92 ZAR</b>	12
24	Ø 92-112	24 / 3,5 / 11 / 50	30	325835	<b>347,92 ZAR</b>	12
24	Ø 107-142	24 / 4 / 11 / 60	30	325836	<b>377,05 ZAR</b>	12

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	Price/piece ZAR	Discount group
8	2 / 10	10	325812	<b>1.113,35 ZAR</b>	12
10	2 / 10	10	325813	<b>1.137,64 ZAR</b>	12
12	2 / 10	10	325814	<b>1.186,17 ZAR</b>	12
14	2 / 10	10	325815	<b>1.283,28 ZAR</b>	12
15	2,5 / 10	10	325816	<b>1.351,24 ZAR</b>	12
16	2,5 / 10	10	325817	<b>1.373,89 ZAR</b>	12
18	2,5 / 10	10	325818	<b>1.422,45 ZAR</b>	12
20	2,5 / 10	5	325819	<b>1.470,99 ZAR</b>	12
22	2,5 / 10	5	325820	<b>1.708,87 ZAR</b>	12
25	2,5 / 10	5	325822	<b>1.848,05 ZAR</b>	12
26	2,5 / 10	5	325823	<b>1.896,58 ZAR</b>	12
28	2,5 / 10	5	325824	<b>2.042,24 ZAR</b>	12

Prices exclude VAT. Recommended prices.

Continuation →

# Core cutter / diamond drill



→ Continuation of DO 900 B Special, Ring segment

Diameter in mm	Segment in mm Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
30	2,5 / 10	3	325825	2.136,09 ZAR	12
32	2,5 / 10	3	325826	2.280,12 ZAR	12
35	/3 / 10	3	325827	2.610,24 ZAR	12
40	3 / 10	3	325828	2.846,51 ZAR	12
42	3,5 / 10	3	325829	3.230,03 ZAR	12
52	3,5 / 10	3	325832	4.032,68 ZAR	12

Core cutter for switch boxes

## DD 600 U SUPRA



### Properties

Design	Laser welded
Edge	Segmented
Aggression	■■■■■□□□
Service life	■■■■■■■□



### Applications:

Masonry	●
Construction materials	●
Chalky sandstone	●

**Advantages:** For machining soft and medium-hard materials such as brick, clinker and firebrick - Hexagon mounting with center drill bit are separately available (see ADS 200)

Diameter in mm	Thread/ Shaft	Max. operating speed	Max. RPM	Overall length in mm	Segment in mm Number / Length / Width / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
68	thread M16	8 m/s	2000 rpm	70	3 / 24 / 3,5 / 7	1	325390	2.110,20 ZAR	12
82	thread M16	8 m/s	1600 rpm	70	4 / 24 / 3,5 / 7	1	325391	2.532,56 ZAR	12

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	Overall length in mm	Segment in mm Number / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
6	1/4" bit, hexagonal	3000 rpm	32	1 / 10	1	325382	1.407,88 ZAR	12
8	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325527	1.548,67 ZAR	12
10	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325383	1.691,06 ZAR	12
12	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325384	1.971,03 ZAR	12
14	1/4" bit, hexagonal	3000 rpm	40	1 / 10	1	325528	2.250,99 ZAR	12

Prices exclude VAT. Recommended prices.

## Diamond drill set / drill bit

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	Price/piece ZAR	Discount group
200 x 140 x 55	3000 rpm	1	331021	8.439,17 ZAR	12

Dry drill bit

### DK 600 F SUPRA



#### Properties

Design	Vacuum-brazed
Edge	Closed



#### Applications:

Stoneware	●
Tiles	●
Stove tiles	●

**Advantages:** Dry drill bit for all standard angle grinders - Suitable for the hardest of tiles, masonry and stoneware - Freehand centering - Precise and accurate drilling - Clean edges, precise holes - No splitting, cracking or chipping - No water needed

Diameter in mm	Thread/Shaft	Max. RPM	Overall length in mm	Segment in mm Number / Height	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
26	thread M14	13300 rpm	45	1 / 15	1	325385	2.221,86 ZAR	12
38	thread M14	13300 rpm	45	1 / 15	1	325386	3.121,60 ZAR	12
58	thread M14	13300 rpm	45	1 / 15	1	325387	4.081,22 ZAR	12
65	thread M14	13300 rpm	45	1 / 15	1	325388	4.380,60 ZAR	12
70	thread M14	13300 rpm	45	1 / 15	1	325389	4.560,22 ZAR	12

Prices exclude VAT. Recommended prices.

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	Price/piece ZAR	Discount group
110 x 130 x 100	13300 rpm	1	331076	8.400,34 ZAR	12





# Flexible abrasives



## About the product

### R-Flex abrasives

Used for finishing and polishing all kinds of surfaces. Despite their elastic construction, R-Flex abrasives boast a long service life with high dimensional stability throughout their use.

### Mounted points

Available in numerous sizes and grains. They are used for apparatus and container construction, in the aviation and automobile industries, as well as in the food and chemical sectors.



Mottling point fixing spindle with milled plane surface

### The Sandflex hand block

Cleans, polishes and matt finishes a large variety of materials including metal, wood, paints, plastics, rubber and paper. In addition to its commercial applications, the Sandflex hand block is also excellent for car care and jobs around the house like cleaning iron soleplates, ski edges etc. Sandflex performs even better when used with water, soap, paraffin oil or pastes. With four different grain sizes to choose from, you will find the right product for all types of materials and jobs.

### R-Flex wheels

Available with silicon carbide or corundum grit in different binding hardnesses and dimensions. Typical applications are deburring plastic parts, giving surgical instruments their final finish, sharpening knives, etc. R-Flex wheels are, due to their elastic attachment, easy to shape and adjust to the contours of the tool during grinding.

### Mottling points

Create special surface effects with a uniform, extra fine finish. R-Flex mottling points are used with great success for surface treatment applications in tank and container construction (breweries, wine and champagne producers) and in plant construction for commercial kitchens. They are available with bonding agents E (specially designed for aluminium and NF metals) and the softer, more elastic bonding agents W and T (for stainless steel) – with the T bonding agent creating a glossier finish on stainless steel surfaces and offering suitability for universal use.

Klingspor mottling points are available with 2 shaft options

- a full length round shaft
- a shaft with a milled plain surface (see image above) for secure mounting

Please note the product descriptions provided on the following pages.

		Material applications												
Description	Type	Iron	Steel	Stainless steel	NF metals	Wood	Paint / Varnish	Glass / Stone	Plastic	Leather	Paper	Ceramic	Porcelain	Page
R-Flex	RFS 651 bond E			●	●									*
	RFM 652 bond E				●									*
	RFR 654 bond Z/E	●	●	●	●	○	○	○	●			○	○	*
Sandflex	SFM 656 bond W			●										275
	SFM 656 bond T			●										*
	SFK 655 block	●	●	●	●	●	●	●	●	●	●	●	●	275
● = main application    ○ = possible application    * available on request														

# 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	Grain	Hardness	Maximum operating speed
Z tough, hard wearing	Aluminium oxide	hard	up to 32 m/s
E non clogging, free cutting (ideal for aluminium)	SiC	medium	up to 16 m/s
W elastic, hard wearing, matt finish (ideal for stainless steel)	SiC	soft	up to 5 m/s

### Bonding types for mottling points

Types of bonding	Grain	Hardness	Maximum operating speed
W elastic, hard wearing, matt finish (ideal for stainless steel)	SiC	soft	up to 5 m/s
T elastic, more free cutting, for a glossier finish (ideal for stainless steel)	SiC	soft	up to 5 m/s
E non clogging, free cutting (ideal for aluminium)	SiC	medium	up to 16 m/s



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

# Flexible abrasives

Mottling points / Hand block



Sandflex mottling points

## SFM 656



### Properties

Bonding agent	Plastic
Grain	SiC

### Applications:

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

**Advantages:** Produces a glossy finish on stainless steel surfaces - Soft abrasion due to elastic structure - Can be used until completely worn down - Available in two executions: with flattened shaft for simple and secure clamping (standard execution, stock items) and with full length round shaft (made to order items)

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Diameter x Height x Shaft in mm		Grit	Bonding agent	Max. operating speed		Max. RPM		Packing unit/pcs.		Cat. number		Price/piece ZAR		Discount group												
50 x 30 x 6		60	W	5 m/s		1900 rpm		10		13862		462,50 ZAR		13												
50 x 30 x 6		120	W	5 m/s		1900 rpm		10		13863		462,50 ZAR		13												

Hand block

## SFK 655



### Properties

Bonding agent	Plastic
Grain	SiC

### Applications:

Paint/Varnish	●	Leather	●
Glass/Stone	●	Metals	●
Wood	●		
Plastic	●		

**Advantages:** Universal hand block for cleaning and finishing - Can be used on many materials - Cleaning performance is significantly increased by use of additives - Soft abrasion due to elastic structure - Can be used until completely worn down - Easy to cut to desired shape

### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
Width x Length x Height in mm									Grit	Packing unit/pcs.			Cat. number		Price/piece ZAR		Discount group									
80 x 50 x 20									60	18			13801		200,17 ZAR		13									
80 x 50 x 20									120	18			13802		200,17 ZAR		13									
80 x 50 x 20									240	18			13803		200,17 ZAR		13									

Prices exclude VAT. Recommended prices.















# Carbide burrs






## About the product

### Powerful milling and leveling of surfaces and forms

Klingspor carbide burrs are used wherever outstanding stock removal and service life are pivotal to the proper processing of hard-to-reach places. The burrs are manufactured according to the highest quality standards and with utmost precision. Our comprehensive product selection offers all shapes and dimensions

necessary to find the solution that matches each application best. Thanks to the abundance of available toothings options, you can be sure to achieve the desired outcome on any material and with unparalleled speed.

Type		Form	Page
HF 100 A (ZYA)		Cylindrical	280
HF 100 B (ZYAS)		Cylindrical with end cut	281
HF 100 C (WRC)		Cylindrical with spherical head	282
HF 100 D (KUD)		Spherical shape	283
HF 100 E (TRE)		Oval shape	283
HF 100 F (RBF)		Conical shape	284
HF 100 G (SPG)		Arch shape	284
HF 100 H		Flame shape	285

Type		Form	Page
HF 100 J (KSJ)		Conical shape, pointed nose (60°)	285
HF 100 K (KSK)		Conical shape, pointed nose (90°)	286
HF 100 L (KEL)		Conical shape, round nose	286
HF 100 M (SKM)		Conical shape, pointed nose	287
HF 100 N (WKN)		Dovetail	287

### Sets of burrs

HF 100	Set, 40 carbide burrs	288
HF 100	Set, 5 carbide burrs	288
HF 100 Steel	Set, 5 carbide burrs	*
HF 100 INOX	Set, 5 carbide burrs	*

\* available on request

Cut	Materials																							
	Steel							Soft NF metals				Hard NF metals				Creep resistant materials	Cast iron		Plastics					
	Carbon steel	Tool steel	Non-alloyed steel	Case-hardened steel	Cast steel	Alloyed steel	Hardened steel	Aluminium	Messing	Copper	Zinc	Bronze	Titanium	Titanium alloy	Aluminium alloy (high SiC contingent)		Nickel based alloy	Cobalt based alloy	Grey cast iron	White cast iron	GRP	CFRP	Ebonite / Hard rubber	Thermoplastic material
2	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●					●
3								●	●	●	●											●	●	
6	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●	●			●
10	●	●	●	●	●	●	●											●	●					
11																●	●							

● = main application ○ = possible application

### The cuts at a glance

#### 2 Cuts

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



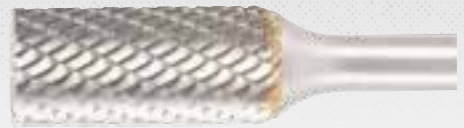
#### 3 Cuts aluminium

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



#### 6 Cuts mega seller

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



### New high performance tooth geometries for steel and INOX processing

Perfectly adapted to the respective group of processed material, the newly engineered blade geometries 10 (steel) and 11 (INOX) allow for a significantly higher stock removal rate when compared to the cross-cut toothing typically found on ordinary burrs.

#### The advantages at a glance:

- ▶ higher level of aggressiveness and cutting performance
- ▶ improved chip removal
- ▶ markedly enhanced service life thanks to reduced built-up edge formation
- ▶ less thermal stress on tool and workpiece
- ▶ decrease in annealing colours during INOX applications

#### 10 cuts high performance tooth geometry - steel

Tooth geometry optimised for steel processing; significantly higher stock removal rate compared to a standard cross-cut tooth geometry



#### 11 cuts high performance tooth geometry - INOX

Tooth geometry optimised for the processing of austenitic as well as corrosion and acid-resistant grades of stainless steel; strikingly improved stock removal performance by contrast with standard cross-cut tooth geometries



**Additional cuts available on request**

## Important safety recommendations

- Please ensure that a maximum 30% of the tools circumference is in contact with the workpiece
- Extra long burrs with extended shank require slower operating speeds
- Ensure the burr is clamped correctly in a regularly maintained operating tool
- Run the selected burr at the correct operating speed to avoid risks and to ensure an optimum tool performance
- Please observe the safety recommendations on the packaging

## Maximum operating speeds

Burr head in mm	Max. RPM
2/2,4/3	100,000
4/4,8/5/6/6,3	65,000
8/9,6/10/11	55,000
12/12,7	35,000
16	25,000
19,2	20,000
25,4	15,000

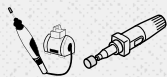
## Recommended operating speeds

Burr head diameter in mm	Optimal speed range (RPM), depending on materials			
	The values in brackets are recommended starting speeds (start points) if no empirical values are already available			
	NF metals	Aluminium, plastic	Unhardened steels	Hardened steels, stainless steel
2/2,4/3	45,000	60,000	60,000	60,000
	(65,000)	(65,000)	(80,000)	(80,000)
	up to 80,000	up to 80,000	up to 80,000	up to 80,000
4/4,8/5/6/6,3	22,000	15,000	45,000	30,000
	(45,000)	(40,000)	(50,000)	(40,000)
	up to 60,000	up to 60,000	up to 60,000	up to 45,000
8/9,6/10/11	15,000	10,000	30,000	19,000
	(30,000)	(25,000)	(30,000)	(25,000)
	up to 40,000	up to 50,000	up to 40,000	up to 30,000
12/12,7	11,000	7,000	22,000	15,000
	(25,000)	(20,000)	(25,000)	(20,000)
	up to 30,000	up to 30,000	up to 30,000	up to 22,000
16	9,000	6,000	18,000	12,000
	(20,000)	(15,000)	(20,000)	(15,000)
	up to 20,000	up to 20,000	up to 20,000	up to 18,000
19,2	8,000	5,000	15,000	10,000
	(12,000)	(10,000)	(15,000)	(10,000)
	up to 17,000	up to 17,000	up to 17,000	up to 15,000
25,4	6,000	4,000	10,000	7,000
	(10,000)	(8,000)	(10,000)	(8,000)
	up to 13,000	up to 13,000	up to 13,000	up to 11,000

# Carbide burrs

Carbide burr

## HF 100 A



**Properties:** Cylindrical burr without end-cut - Designation in accordance with DIN 8032: ZYA

**Advantages:** For universal use - Especially suitable for surface grinding

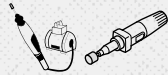


Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	14	38	3	2	5	295475	390,12 ZAR	14
3	14	38	3	6	5	295482	390,12 ZAR	14
6,3	12,7	45	3	6	5	295506	640,41 ZAR	14
6	18	50	6	2	1	295521	668,83 ZAR	14
12,7	25	70	6	2	1	295602	1.468,35 ZAR	14
6	18	50	6	3	1	295525	837,59 ZAR	14
9,6	19	64	6	3	1	295563	1.178,53 ZAR	14
12,7	25	70	6	3	1	295604	1.839,16 ZAR	14
6	18	50	6	6	1	295531	668,83 ZAR	14
8	19	64	6	6	1	295552	874,74 ZAR	14
9,6	19	64	6	6	1	295568	940,28 ZAR	14
12,7	19	64	6	6	1	295594	1.437,48 ZAR	14
12,7	25	70	6	6	1	295609	1.468,35 ZAR	14
16	25	70	6	6	1	295621	1.850,77 ZAR	14
12,7	25	70	6	10	1	334122	2.117,34 ZAR	14

Prices exclude VAT. Recommended prices.

Carbide burr

## HF 100 B



**Properties:** Cylindrical burr with end cut - Designation in accordance with DIN 8032: ZYAS

**Advantages:** The end cut makes it suitable for blind holes and faces on inner contours



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	14	38	3	2	5	295476	429,19 ZAR	14
3	14	38	3	6	5	295483	429,19 ZAR	14
6,3	12,7	55	3	6	5	295507	704,03 ZAR	14
6	18	50	6	2	1	295522	735,40 ZAR	14
12,7	25	70	6	2	1	295603	1.614,45 ZAR	14
6	18	50	6	3	1	295526	921,97 ZAR	14
9,6	19	64	6	3	1	295564	1.296,65 ZAR	14
12,7	25	70	6	3	1	295605	2.022,84 ZAR	14
6	18	50	6	6	1	295532	735,40 ZAR	14
8	19	64	6	6	1	295553	962,03 ZAR	14
9,6	19	64	6	6	1	295569	1.033,83 ZAR	14
12,7	19	64	6	6	1	295595	1.580,66 ZAR	14
12,7	25	70	6	6	1	295610	1.614,45 ZAR	14
16	25	70	6	6	1	295622	2.035,99 ZAR	14

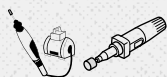
Prices exclude VAT. Recommended prices.



# Carbide burrs

Carbide burr

## HF 100 C



**Properties:** Cylindrical burr with ball end - Designation in accordance with DIN 8032: WRC

**Advantages:** For universal use on surfaces, contours and radiuses



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	14	38	3	2	5	295649	390,07 ZAR	14
3	14	38	3	6	5	295654	390,07 ZAR	14
6,3	12,7	44	3	6	5	295673	640,39 ZAR	14
6	18	50	6	2	1	295686	778,30 ZAR	14
12,7	25	70	6	2	1	295747	1.645,82 ZAR	14
6	18	50	6	3	1	295688	974,61 ZAR	14
9,6	19	63	6	3	1	295725	1.312,56 ZAR	14
12,7	25	70	6	3	1	295750	2.063,40 ZAR	14
6	18	50	6	6	1	295694	778,30 ZAR	14
8	19	63	6	6	1	295713	952,87 ZAR	14
9,6	19	63	6	6	1	295727	1.047,89 ZAR	14
12,7	19	64	6	6	1	295741	1.624,09 ZAR	14
12,7	25	70	6	6	1	295753	1.645,82 ZAR	14
16	25	70	6	6	1	295763	2.071,55 ZAR	14
9,6	19	64	6	10	1	334137	1.649,58 ZAR	14
12,7	25	70	6	10	1	334140	1.810,83 ZAR	14
12,7	25	70	6	11	1	334139	1.974,79 ZAR	14

Prices exclude VAT. Recommended prices.

Carbide burr

## HF 100 D



**Properties:** Ball-shaped burr - Designation in accordance with DIN 8032: KUD

**Advantages:** For use on contours - For deburring bore holes



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	2,5	38	3	2	5	295778	361,18 ZAR	14
3	2,5	38	3	6	5	295784	390,07 ZAR	14
4	3,4	38	3	6	5	295798	940,26 ZAR	14
6	4,7	50	6	2	1	295815	715,56 ZAR	14
12,7	11	56	6	2	1	295856	1.064,39 ZAR	14
6	4,7	50	6	3	1	295816	896,39 ZAR	14
9,6	8	54	6	3	1	300054	1.075,82 ZAR	14
12,7	11	56	6	3	1	295857	1.453,40 ZAR	14
6	4,7	50	6	6	1	295819	715,56 ZAR	14
8	6	52	6	6	1	295831	768,63 ZAR	14
9,6	8	54	6	6	1	295843	859,26 ZAR	14
12,7	11	56	6	6	1	295859	1.064,39 ZAR	14
16	14	60	6	6	1	295868	1.437,45 ZAR	14

Carbide burr

## HF 100 E



**Properties:** Drop-shaped burr - Designation in accordance with DIN 8032: TRE

**Advantages:** For milling out fillet welds - Suitable for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
6	10	50	6	6	1	295905	874,74 ZAR	14
8	15	60	6	6	1	295909	956,65 ZAR	14
9,6	16	60	6	6	1	295916	1.047,89 ZAR	14
12,7	22	67	6	6	1	295925	1.533,95 ZAR	14

Prices exclude VAT. Recommended prices.

Continuation →

# Carbide burrs

Carbide burr

## HF 100 F



**Properties:** Semi-circular burr - Designation in accordance with DIN 8032: RBF

**Advantages:** Well suited for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	14	38	3	2	5	295946	390,07 ZAR	14
3	14	38	3	6	5	295951	390,07 ZAR	14
6	18	50	6	2	1	295967	812,56 ZAR	14
9,6	19	64	6	3	1	295985	1.283,58 ZAR	14
12,7	25	70	6	3	1	296007	1.899,84 ZAR	14
6	18	50	6	6	1	295971	812,56 ZAR	14
9,6	19	64	6	6	1	295987	1.024,22 ZAR	14
8	20	65	6	6	1	295978	956,72 ZAR	14
12,7	25	70	6	6	1	296010	1.515,62 ZAR	14
16	25	70	6	6	1	296020	2.093,27 ZAR	14

Carbide burr

## HF 100 G



**Properties:** Pointed arch-shaped burr with flattened tip - Designation in accordance with DIN 8032: SPG

**Advantages:** Ideal for chamfering - For deburring bore holes



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	14	38	3	2	5	296043	390,07 ZAR	14
3	14	38	3	6	5	296047	390,07 ZAR	14
6,3	12,7	45	3	6	5	296055	640,39 ZAR	14
6	18	50	6	2	1	296058	812,56 ZAR	14
12,7	25	70	6	2	1	296082	1.486,71 ZAR	14
6	18	50	6	6	1	296062	812,56 ZAR	14
8	19	64	6	6	1	296066	987,60 ZAR	14

Prices exclude VAT. Recommended prices.

Continuation →

→ Continuation of HF 100 G, Carbide burr

Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
9,6	19	64	6	6	1	296074	<b>1.093,19 ZAR</b>	14
12,7	19	64	6	6	1	296079	<b>1.486,71 ZAR</b>	14
12,7	25	70	6	6	1	296086	<b>1.486,71 ZAR</b>	14
12,7	25	70	6	10	1	334165	<b>1.636,15 ZAR</b>	14
12,7	25	70	6	11	1	334166	<b>1.783,66 ZAR</b>	14

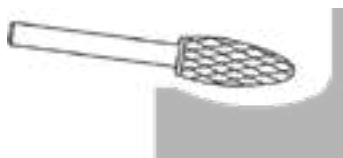
Carbide burr

## HF 100 H



**Properties:** Flame-shaped burr - No designation in accordance with DIN 8032

**Advantages:** Well suited for working on moulded parts



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	6	38	3	6	5	296106	<b>390,07 ZAR</b>	14
12,7	32	77	6	2	1	297076	<b>2.194,91 ZAR</b>	14
6	14	50	6	6	1	300046	<b>811,62 ZAR</b>	14
8	19	64	6	6	1	296193	<b>1.075,30 ZAR</b>	14
9,6	19	65	6	6	1	297074	<b>2.195,04 ZAR</b>	14
12,7	32	77	6	6	1	296194	<b>2.195,04 ZAR</b>	14

Carbide burr

## HF 100 J



**Properties:** Conical burr - 60° angle - Designation in accordance with DIN 8032: KSJ

**Advantages:** Suitable for chamfering or bevelling



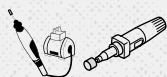
All sizes and minimum purchasing quantities available on request

Prices exclude VAT. Recommended prices.

## Carbide burrs

Carbide burr

### HF 100 K



**Properties:** Conical burr - 90° angle - Designation in accordance with DIN 8032: KSK

**Advantages:** For deburring bore holes - For chamfering or bevelling



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
12,7	6,3	55	6	6	1	296197	497,77 ZAR	14

Carbide burr

### HF 100 L



**Properties:** Conical round-nosed burr - Designation in accordance with DIN 8032: KEL

**Advantages:** For difficult-to-access areas



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	14	38	3	6	5	296199	390,07 ZAR	14
9,6	30	76	6	3	1	300055	1.641,38 ZAR	14
12,7	32	77	6	3	1	297470	2.240,29 ZAR	14
6	18	50	6	6	1	296200	831,35 ZAR	14
8	25,4	70	6	6	1	296205	1.091,32 ZAR	14
9,6	30	76	6	6	1	296201	1.310,23 ZAR	14
12,7	32	77	6	6	1	296192	1.600,50 ZAR	14
12,7	32	77	6	11	1	334174	1.919,80 ZAR	14

Prices exclude VAT. Recommended prices.



Carbide burr

## HF 100 M



**Properties:** Pointed cone burr - Designation in accordance with DIN 8032: SKM

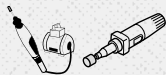
**Advantages:** For deburring tasks - For conical holes and grooves - Ideal for model building



Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
3	11	38	3	6	5	296114	390,07 ZAR	14
3	11	38	3	2	5	296204	391,32 ZAR	14
6	20	50	6	2	1	296133	831,31 ZAR	14
12,7	22	71	6	2	1	296145	1.643,91 ZAR	14
6	20	50	6	6	1	296136	831,35 ZAR	14
8	18	64	6	6	1	300052	1.213,69 ZAR	14
16	25	74	6	6	1	296152	2.195,04 ZAR	14
9,6	16	64	6	6	1	296144	1.312,56 ZAR	14
12,7	22	71	6	6	1	296148	1.643,91 ZAR	14

Carbide burr

## HF 100 N



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

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



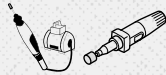
Diameter in mm	Height in mm	Total length in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
6	8	50	6	6	1	296168	793,74 ZAR	14
9,6	9,5	55	6	6	1	296174	1.244,33 ZAR	14

Prices exclude VAT. Recommended prices.

## Carbide burrs

Carbide burr

### HF 100 set



**Properties:** 40 piece burr set, cut 6, in lockable Klingspor presentation box

**Contents:** 2 x HF 100 B 6x18x6 (295532), 2 x HF 100 C 6x18x6 (295694), 2 x HF100 F 6x18x6 (295971), 2 x HF100 G 6x18x6 (296062), 2 x HF 100 L 6x18x6 (296200), 2 x HF 100 B 8x19x6 (295553), 2 x HF 100 C 8x19x6 (295713), 2 x HF 100 F 8x20x6 (295978), 2 x HF 100 G 8x19x6 (296066), 2 x HF 100 L 8x25,4x6 (296205), 2 x HF 100 B 9,6x19x6 (295569), 2 x HF 100 C 9,6x19x6 (295727), 2 x HF 100 F 9,6x19x6 (295987), 2 x HF 100 G 9,6x19x6 (296074), 2 x HF 100 L 9,6x30x6 (296201), 2 x HF 100 B 12,7x25x6 (295610), 2 x HF 100 C 12,7x25x6 (295753), 2 x HF 100 F 12,7x25x6 (296010), 2 x HF 100 G 12,7x25x6 (296086), 2 x HF 100 L 12,7x32x6 (296192)

**Advantages:** All top sellers at a glance

Size in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
335 x 225 x 380	6	6	1	300627	47.977,75 ZAR	14

Carbide burr

### HF 100 set



**Properties:** 5 piece burr set, cut 6, in a Klingspor screw lid container

**Contents:** HF 100 B 9,6x19x6 (295569), HF 100 C 9,6x19x6 (295727), HF 100 D 9,6x8x6 (295843), HF 100 E 9,6x16x6 (295916), HF 100 F 9,6x19x6 (295987)

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

Size in mm	Shaft diameter in mm	Cut	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
70 x 70 x 100	6	6	1	336927	5.110,64 ZAR	14

Prices exclude VAT. Recommended prices.



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







# Wire brushes






## About the product

The wire brushes made by Klingspor are used for a wide variety of machining tasks in the steel and stainless steel sector. A key benefit a wire brush holds over abrasives is the fact that the brush only works on the surface of the workpiece without changing the shape of the workpiece to be processed. This benefit is of particular importance during work on ultra-thin sheet metal.

The selection of wire brushes offered by Klingspor comprises a comprehensive range of products that are designed for the most diverse machining tasks, materials and machines.

## Applications

- Cleaning of weld seams and surfaces (rust removal, descaling, paint stripping)
- Deburring of cutting edges
- Structuring of surfaces (creating matt, satin or rough finishes)

				Material applications											
Machines	Type of wire brush	Wire style	Bristle material	Construction steel	Carbon steel	Alloyed steels	Cast iron	Stainless steel	Aluminium	Copper	Brass	Wood	Type	Page	
	Wheel brush	knotted	Steel wire	●	●	●	●						BR 600 Z	298	
			INOX wire					●	●	●	●		BRP 600 Z	298	
	Pipeline brush	knotted	Steel wire	●	●	●	●						BK 600 Z	299	
			INOX wire	●	●	●	●		●	●	●		BK 600 W	299	
	Cone brush	crimped	Steel wire	●	●	●	●						BT 600 Z	300	
			INOX wire					●	●	●	●		BT 600 W	300	
	Cup-shaped brush	knotted	Steel wire	●	●	●	●		●	●	●	●			
			INOX wire					●	●	●	●				
	crimped	Steel wire	●	●	●	●		●	●	●	●				
		INOX wire					●	●	●	●					
	Wheel brush	crimped	Steel wire	●	●	●	●						BR 600 W	301	
			INOX wire					●	●	●	●				
	Wheel brush with shaft Ø 6 mm	knotted	Steel wire	●	●	●	●		●	●	●	●	BRS 600 Z	301	
			INOX wire					●	●	●	●		BRS 600 W	302	
	Wheel brush with shaft Ø 6 mm	crimped	Steel wire	●	●	●	●		●	●	●	●		BRS 600 W	302
			INOX wire					●	●	●	●				
	Wheel brush with shaft Ø 6 mm	abrasive bristle	SIC	●		●		●	●	●	●	●	BRS 600 P	302	
	Cup-shaped brush with shaft Ø 6 mm	crimped	Steel wire	●	●	●	●							BTS 600 W	303
			INOX wire					●	●	●	●				
		End brush with shaft Ø 6 mm	knotted	Steel wire	●	●	●	●						BPS 600 Z	303
INOX wire								●	●	●	●		BPS 600 W	304	
	End brush with shaft Ø 6 mm	crimped	Steel wire	●	●	●	●						BPS 600 W	304	
			INOX wire					●	●	●	●				
	Handheld brush with wooden handpiece	straight	Steel wire	●	●	●	●						BH 600	304	
			INOX wire					●	●	●	●				
			Brass wire						●	●	●	●			
	Handheld brush with plastic handpiece	crimped	Steel wire	●	●	●	●						BHP 600	305	
			INOX wire					●	●	●	●				
			Brass wire						●	●	●	●			
	Handheld brush fillet weld	straight	Steel wire	●	●	●	●						BHK 600	*	
			INOX wire					●	●	●	●				
	Spark plug brush	crimped	INOX wire					●	●	●	●		BHZ 600	305	
			Brass wire							●	●	●			

● = main application \* available on request



# Wire brushes

## Applications guide

### The most common brushes at a glance



#### Wheel brushes

Preparing and finishing weld seams, deburring and cleaning cutting edges, corners or angles



#### Cone brushes

For work on difficult-to-access areas, corners or edges as well as for surface cleaning



#### Cup-shaped brushes

For efficient rust, paint or weld spatter removal from large surfaces



#### End brushes

Ideal tool for work on the insides of pipes, drill holes or indentations



#### Handheld brushes

For the manual cleaning of surfaces and weld seams

# Wire brushes

## Applications guide



- 1. Klingspor logotype**  
Reference to certified Klingspor quality
- 2. Safety recommendations**
- 3. Rotational speed**  
Reference to maximum permissible motor speed in revolutions per minute



- 4. Wire style**  
Klingspor offers wire brushes with knotted, crimped or SiC polyamide bristles
- 5. Area of application**  
The base colour of the tool gives an indication of the wire material used  
Green = stainless steel  
Silver = steel

### What the type designation reveals about the design of wire brushes

Product group	Type of wire brush	Performance class	Wire style
<div>B</div> <div>Brushes</div>	<div>K</div> <div>Cone brush</div> <div>R</div> <div>Wheel brush</div> <div>RP</div> <div>Wheel brush pipeline</div> <div>T</div> <div>Cup-shaped brush</div> <div>TS</div> <div>Cup-shaped brush with shaft</div> <div>PS</div> <div>End brush with shaft</div> <div>RS</div> <div>Wheel brush with shaft</div> <div>H</div> <div>Handheld brush with wooden handpiece</div> <div>HP</div> <div>Handheld brush with plastic handpiece</div> <div>HK</div> <div>Fillet weld brush</div> <div>HZ</div> <div>Spark plug brush</div>	<div>600</div> <div>SUPRA</div>	<div>Z</div> <div>Knotted</div> <div>W</div> <div>Crimped</div> <div>P</div> <div>SiC polyamide bristles</div>

Here explained by example of the BTS 600 W

Product group	Type of wire brush	Performance class	Wire style
<div>B</div> <div>Brushes</div>	<div>TS</div> <div>Cup-shaped brush with shaft</div>	<div>600</div> <div>SUPRA</div>	<div>W</div> <div>Crimped</div>

# Wire brushes

## Applications guide

### Bristle materials and their properties

#### Wire types / style

##### Steel wire

High strength quality steel wire with great tensile and bending fatigue strength for exceptional economy.



##### Knotted

- Aggressive brush action
- Long service life
- Minimum flexibility

##### Non-corrosive steel wire / INOX

Quality stainless steel wire with great tensile strength for a long service life. Resistant to corrosion during applications on chromium-nickel steel, aluminium and other NF metals.



##### Crimped

- Gentle, material-friendly brush action
- For sensitive surfaces and soft materials
- Perfect contouring to the shape of the workpiece



##### Brass wire

Soft, fine brass wire for the surface finish of NF metals (copper, brass).



##### Polyamide bristle

A flexible abrasive bristle interspersed with SiC abrasive grain. Uniform brush action thanks to the continuous release of new abrasive grain.



## Safe application of wire brushes

The maximum operating speed of the brush varies with the diameter of the brush and must never be exceeded for safety reasons. Before using the brush, always verify that the motor speed of the machine does not exceed the maximum operating speed of the brush.

Refer to the table below for a recommendation as to which brush diameter you can mount on which angle grinder:

		Ø 115 mm (max. 12,500 rpm)	Ø 125 mm (max. 11,500 rpm)	Ø 180 mm (max. 8,500 rpm)
Type of brush		Brush diameter		
	<b>BR 600 Z</b> Wheel brush, knotted	Ø 115 mm (max. 12,500 rpm)	Ø 125 mm (max. 12,500 rpm)	Ø 180 mm (max. 8,500 rpm)
	<b>BRP 600 Z</b> Pipeline brush, knotted	Ø 115 mm (max. 15,000 rpm)	Ø 125 mm (max. 12,500 rpm)	Ø 180 mm (max. 9,000 rpm)
	<b>BK 600 Z</b> Cone brush, knotted	Ø 100 mm Ø 115 mm (max. 12,500 rpm)		
	<b>BT 600 Z</b> Cup-shaped brush, knotted	Ø 65 mm (max. 12,500 rpm)		Ø 80 mm Ø 100 mm (max. 8,500 rpm)
	<b>BT 600 W</b> Cup-shaped brush, crimped	Ø 65 mm (max. 12,500 rpm)		Ø 80 mm Ø 100 mm (max. 8,500 rpm)

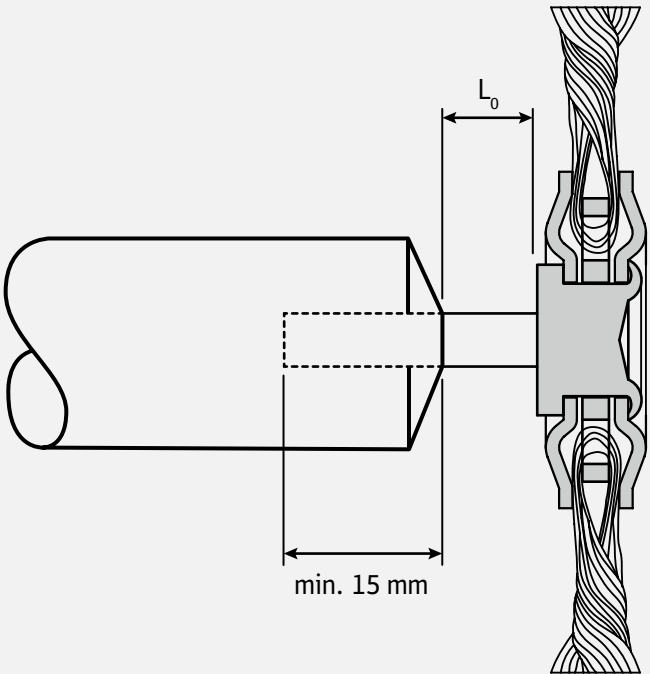
Cutting speeds

The cutting speeds are dependent on the material to be processed. Working within the proper speed range is paramount to the economical operation of the brush. Depending on the material, we recommend using the following cutting speeds as guidelines:

Material	Cutting speed [m/s]									
	10	15	20	25	30	35	40	45	50	55
Steel								40 - 50		
Stainless steel						30 - 35				
NF metals			18 - 22							
Plastic		15 - 20								

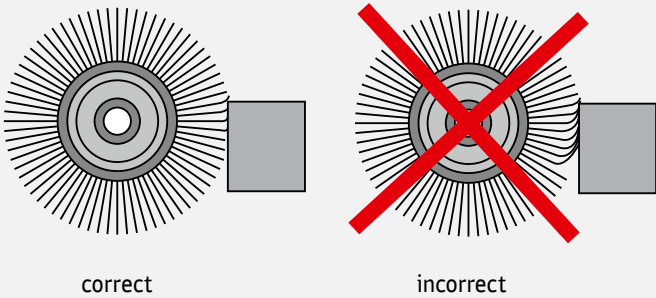
Safe use of shaft brushes

The receiving shaft should be as low as possible, but should be clamped into the tool holder with a depth of no less than 15 mm. If the exposed shaft length is  $L_0 > 10\text{mm}$ , the speed must be reduced for safety reasons.



Tool pressure

You will achieve an optimum sanding result when working only with the wire tips of the brush. Increasing the tool pressure will cause the brush to wear out faster due to wire breakage and thus reduce the service life of the brush.





## Factors with an impact on the brushing result

If the brushing result does not satisfy your requirements, you can optimise the outcome by changing certain application parameters.

Measure Problem	Brush Ø	Rotational speed	Wire thickness	Bristle length
Brush action too weak	increase	increase	increase	reduce
Brush action too aggressive	decrease	reduce	reduce	extend
Surface finish too rough and uneven	decrease	reduce	reduce	extend
Surface finish too fine	increase	increase	increase	reduce
Formation of secondary burrs	increase	increase	increase	reduce

## The safe use of Klingspor abrasives

Manufactured in compliance with the requirements set out in the EN 1083-2, Klingspor wire brushes guarantee the highest level of safety for the user.



Wear safety goggles or glasses to protect the eyes



Wear dust mask



Use ear protectors



Wear safety gloves to protect hands



Observe safety instructions

## Wire brushes

Wheel brush, knotted wire

### BR 600 Z



#### Applications:

Stainless steel	●
Steel	●

**Advantages:** Wheel brush for pre- and post-processing of welding seams - For aggressive removal of scale, rust, slag - For heavy brushing and deburring work

Diameter x Width x Bore in mm	Thread/Shaft	Fill material	Wire thickness in mm	Filament length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 14 x 22,23		Steel	0,50	22	20	12500 rpm	1	358311	351,59 ZAR	14
115 x 14 x 22,23		Stainless steel	0,50	22	20	12500 rpm	1	358342	526,83 ZAR	14
115 x 14	thread M14	Steel	0,50	22	22	12500 rpm	1	370717	460,92 ZAR	14
115 x 14	thread M14	Stainless steel	0,50	22	22	12500 rpm	1	370718	690,65 ZAR	14
125 x 14 x 22,23		Steel	0,50	22	24	12500 rpm	1	358312	375,94 ZAR	14
125 x 14 x 22,23		Stainless steel	0,50	22	24	12500 rpm	1	358343	564,21 ZAR	14
125 x 14	thread M14	Steel	0,50	22	26	12500 rpm	1	370719	492,85 ZAR	14
178 x 14 x 22,23		Steel	0,50	42	30	9000 rpm	1	358313	755,67 ZAR	14
178 x 14 x 22,23		Stainless steel	0,50	42	30	9000 rpm	1	363720	1.142,93 ZAR	14
178 x 14	thread M14	Steel	0,50	39	36	9000 rpm	1	370720	990,51 ZAR	14

Pipeline brush, knotted wire

### BRP 600 Z



#### Applications:

Steel	●
Stainless steel	●

**Advantages:** Ideal tool for the professional processing of U / V-type welds in pipeline, pipework and container construction - Thanks to its slim overall width it is also well suited for working on hard-to-reach areas (e.g. root or narrow fillet welds) - Cleaning of all welding seams on pipe connections

Diameter x Width x Bore in mm	Fill material	Wire thickness in mm	Filament length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 6 x 22,23	Steel	0,50	28	32	15000 rpm	1	358314	375,94 ZAR	14
125 x 6 x 22,23	Steel	0,50	22	36	12500 rpm	1	358315	401,91 ZAR	14
178 x 6 x 22,23	Steel	0,50	42	48	9000 rpm	1	358319	808,13 ZAR	14

Prices exclude VAT. Recommended prices.

Bevel brush with thread, knotted wire

## BK 600 Z



### Applications:

Steel	●
Stainless steel	●

**Advantages:** Ideal tool for working on hard-to-reach areas, inside corners and bevels - High brushing capacity due to knotted wire design - Excellent for cleaning larger surfaces - Removal of scale, rust, paint, slag, etc.

Diameter x Width in mm	Thread/Shaft	Fill material	Wire thickness in mm	Filament length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
100 x 14	thread M14	Steel	0,50	20	18	12500 rpm	1	358327	<b>285,62 ZAR</b>	14
100 x 14	thread M14	Stainless steel	0,50	20	20	12500 rpm	1	358329	<b>428,41 ZAR</b>	14
115 x 14	thread M14	Steel	0,50	22	18	12500 rpm	1	358328	<b>397,03 ZAR</b>	14
115 x 14	thread M14	Stainless steel	0,50	22	20	12500 rpm	1	358330	<b>595,03 ZAR</b>	14

Bevel brush with thread, crimped wire

## BK 600 W



### Applications:

Steel	●
-------	---

**Advantages:** Ideal tool for working on hard-to-reach areas, inside corners and bevels - Material-protecting brushing due to crimped wire design - Excellent for cleaning larger surfaces - For removing rust, dirt, paint residue, etc.

Diameter in mm	Thread/Shaft	Fill material	Wire thickness in mm	Filament length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115	thread M14	Steel	0,30	26	12500 rpm	1	364822	<b>300,23 ZAR</b>	14
125	thread M14	Steel	0,30	26	12500 rpm	1	370724	<b>450,53 ZAR</b>	14

Prices exclude VAT. Recommended prices.

## Wire brushes

Cup brush with thread, knotted wire

### BT 600 Z



#### Applications:

Steel	●
Stainless steel	●

**Advantages:** For aggressive brushing work on large, flat surfaces - For preparing metal surfaces before varnishing - Stable knotted wire design for easy cleaning and removal of slag, rust, scale and concrete residues

Diameter in mm	Thread/Shaft	Fill material	Wire thickness in mm	Filament length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
65	thread M14	Steel	0,35	22	18	12500 rpm	1	358334	<b>243,42 ZAR</b>	14
65	thread M14	Steel	0,50	22	18	12500 rpm	1	358335	<b>252,61 ZAR</b>	14
65	thread M14	Stainless steel	0,50	22	18	12500 rpm	1	358340	<b>378,66 ZAR</b>	14
80	thread M14	Steel	0,50	22	20	8500 rpm	1	358337	<b>330,52 ZAR</b>	14
100	thread M14	Steel	0,50	27	22	8500 rpm	1	358338	<b>444,12 ZAR</b>	14

Cup-shaped brush, crimped wire

### BT 600 W



#### Applications:

Steel	●
Stainless steel	●

**Advantages:** Ideal tool for cleaning and clearing profiled or uneven surfaces, e.g. checker plate - For medium-duty brushing work, derusting and removing paint, impurities and paint residues - Material-saving work - For processing very thin sheet metal, e.g. car workshops and restoration companies

Diameter in mm	Thread/Shaft	Fill material	Wire thickness in mm	Filament length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
65	thread M14	Steel	0,30	21	12500 rpm	1	358372	<b>189,32 ZAR</b>	14
80	thread M14	Steel	0,30	24	8500 rpm	1	358373	<b>247,75 ZAR</b>	14
80	thread M14	Stainless steel	0,30	24	8500 rpm	1	358326	<b>371,62 ZAR</b>	14
100	thread M14	Steel	0,30	27	8500 rpm	1	358375	<b>333,22 ZAR</b>	14

Prices exclude VAT. Recommended prices.

Wheel brush, crimped wire

## BR 600 W



### Applications:

Steel	●
Stainless steel	●

**Advantages:** Suitable for low to medium duty brushing and deburring of cut edges, tubes or small parts - Ø150-200 mm for use on stationary machines - Ø115/Ø125 mm for use on angle grinders - High fill density for a long service life

**Incl. adapter set for brushes Ø 150 - 200 mm to reduce the mounting hole (12,7 mm, 16 mm, 19 mm, 22,2 mm, 25,4 mm)**

Diameter x Width x Bore in mm	Thread/Shaft	Fill material	Wire thickness in mm	Filament length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
115 x 15	thread M14	Steel	0,30	24	15000 rpm	1	370722	<b>538,12 ZAR</b>	14
125 x 15	thread M14	Steel	0,30	29	15000 rpm	1	370723	<b>620,88 ZAR</b>	14
150 x 25 x 32		Steel	0,30	30	6000 rpm	1	363997	<b>689,30 ZAR</b>	14
150 x 25 x 32		Stainless steel	0,30	30	6000 rpm	1	364000	<b>1.033,54 ZAR</b>	14
178 x 25 x 32		Steel	0,30	42	6000 rpm	1	363998	<b>851,07 ZAR</b>	14
178 x 25 x 32		Stainless steel	0,30	42	6000 rpm	1	364001	<b>1.276,40 ZAR</b>	14
200 x 25 x 32		Steel	0,30	45	4500 rpm	1	363999	<b>1.047,89 ZAR</b>	14
200 x 25 x 32		Stainless steel	0,30	45	4500 rpm	1	364002	<b>1.572,05 ZAR</b>	14

Wheel brush with shaft, knotted wire

## BRS 600 Z



### Applications:

Steel	●
Stainless steel	●

**Advantages:** Knotted design for rough brushing work and long service life - For efficient work in hard-to-reach areas such as grooves, flutes, depressions - Deburring of cut edges, removal of scale, paint, slag

Diameter x Width x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Filament length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
75 x 12 x 6	37	Steel	0,50	19	15	25000 rpm	10	358320	<b>223,94 ZAR</b>	14
75 x 12 x 6	37	Stainless steel	0,50	19	15	25000 rpm	10	358321	<b>335,36 ZAR</b>	14

Prices exclude VAT. Recommended prices.



## Wire brushes

Wheel brush with shaft, crimped wire

### BRS 600 W



#### Applications:

Steel	●
Stainless steel	●

**Advantages:** Crimped wire design for gentle cleaning of small to medium surfaces - Excellently suitable for components with difficult access such as beads, flanged edges - Good brushing performance even with profiled workpieces

Diameter x Width x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Filament length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
30 x 9 x 6	40	Steel	0,20	6	20000 rpm	20	358346	87,62 ZAR	14
30 x 9 x 6	40	Stainless steel	0,20	6	20000 rpm	20	358357	131,45 ZAR	14
40 x 9 x 6	40	Steel	0,20	11	18000 rpm	20	358348	113,59 ZAR	14
40 x 9 x 6	40	Stainless steel	0,20	11	18000 rpm	20	358358	169,83 ZAR	14
50 x 9 x 6	40	Steel	0,30	13	15000 rpm	10	358354	134,16 ZAR	14
50 x 9 x 6	40	Stainless steel	0,30	13	15000 rpm	10	358359	200,70 ZAR	14
60 x 14 x 6	44	Steel	0,30	18	15000 rpm	10	358355	166,62 ZAR	14
60 x 14 x 6	44	Stainless steel	0,30	18	15000 rpm	10	358360	250,45 ZAR	14
70 x 16 x 6	48	Steel	0,30	20	15000 rpm	10	358356	178,50 ZAR	14
70 x 16 x 6	48	Stainless steel	0,30	20	15000 rpm	10	358362	267,76 ZAR	14

Wheel brush with shaft, polyamide bristles

### BRS 600 P



#### Applications:

Stainless steel	●
NF metals	●
Wood	●

**Advantages:** Abrasive bristles of polyamide interspersed with silicon carbide (SiC) grain for working with light contact pressure - Ideal for structuring and paint stripping of wooden components - Removal of oxide layers on non-ferrous metals or of tarnish colours on stainless steel components, e.g. filled rods on stainless steel railings

Diameter x Width x Shaft in mm	Total length in mm	Fill material	Filament length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
50 x 9 x 6	45	Polyamide SiC grit 120	10	6000 rpm	10	358364	268,32 ZAR	14
50 x 9 x 6	45	Polyamide SiC grit 320	10	6000 rpm	10	358366	268,32 ZAR	14
70 x 12 x 6	45	Polyamide SiC grit 120	14	4500 rpm	10	358367	505,21 ZAR	14
70 x 12 x 6	45	Polyamide SiC grit 320	14	4500 rpm	10	358369	505,21 ZAR	14

Prices exclude VAT. Recommended prices.

Cup brush with shaft, crimped wire

## BTS 600 W



### Applications:

Steel	●
Stainless steel	●

**Advantages:** Ideal tool for cleaning small and medium-sized surfaces - Crimped wire ideal for fine machining or surface preparation of steel or stainless steel - Removes paint, rust, incrustations

Diameter x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Filament length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
50 x 6	70	Steel	0,30	24	13000 rpm	20	358331	120,64 ZAR	14
50 x 6	70	Stainless steel	0,30	24	13000 rpm	20	358332	180,64 ZAR	14

End brush with shaft, knotted wire

## BPS 600 Z



### Applications:

Steel	●
Stainless steel	●

**Advantages:** Tool diameter changes depending on the rotation speed - Perfectly suited for working on pipe inner surfaces or bores - High brushing effect due to knotted wire design

Diameter x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Filament length in mm	Number of knots	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
19 x 6	70	Steel	0,35	25	6	20000 rpm	20	358333	225,05 ZAR	14
19 x 6	70	Stainless steel	0,35	25	6	20000 rpm	20	358336	337,52 ZAR	14
22 x 6	70	Steel	0,35	25	8	20000 rpm	10	358339	307,25 ZAR	14
22 x 6	70	Stainless steel	0,35	25	8	20000 rpm	10	358341	461,42 ZAR	14
30 x 6	72	Steel	0,35	25	12	20000 rpm	10	358344	367,83 ZAR	14
30 x 6	72	Stainless steel	0,35	25	12	20000 rpm	10	358345	552,31 ZAR	14

Prices exclude VAT. Recommended prices.

## Wire brushes

End brush with shaft, crimped wire

### BPS 600 W



#### Applications:

Steel	●
Stainless steel	●

**Advantages:** For fine machining and removal of light burrs in pipes or bores - Well suited for processing and cleaning moulds and die-cast parts - Very soft and adaptable tool

Diameter x Shaft in mm	Total length in mm	Fill material	Wire thickness in mm	Filament length in mm	Max. RPM	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
12 x 6	70	Steel	0,30	25	20000 rpm	30	358350	<b>130,39 ZAR</b>	14
12 x 6	70	Stainless steel	0,30	25	20000 rpm	30	358351	<b>195,30 ZAR</b>	14
25 x 6	75	Steel	0,30	25	18000 rpm	10	358347	<b>142,78 ZAR</b>	14
25 x 6	75	Stainless steel	0,30	25	18000 rpm	10	358352	<b>214,74 ZAR</b>	14
30 x 6	75	Steel	0,30	25	18000 rpm	10	358349	<b>155,80 ZAR</b>	14
30 x 6	75	Stainless steel	0,30	25	18000 rpm	10	358353	<b>234,24 ZAR</b>	14

Hand brush with wooden body

### BH 600



#### Applications:

Steel	●
Stainless steel	●
NF metals	●

**Advantages:** Hand brush with wooden handle for manual removal of rust, dirt, paint

Length in mm	Overall length in mm	Filament length in mm	Total length in mm	Fill material	Struc- ture	Number of rows	Wire thickness in mm	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
290	125	25	290	Steel	Straight	2	0,35	12	358361	<b>43,84 ZAR</b>	14
290	125	25	290	Steel	Straight	4	0,35	12	358365	<b>76,29 ZAR</b>	14
290	125	25	290	Steel	Straight	5	0,35	12	358363	<b>83,84 ZAR</b>	14
290	125	25	290	Stainless steel	Straight	3	0,30	12	358368	<b>121,71 ZAR</b>	14
290	125	25	290	Stainless steel	Straight	4	0,30	12	358370	<b>152,53 ZAR</b>	14
290	125	25	290	Brass	Crimped	3	0,35	12	358371	<b>143,34 ZAR</b>	14
290	125	25	290	Brass	Crimped	4	0,35	12	358374	<b>179,06 ZAR</b>	14

Prices exclude VAT. Recommended prices.

Hand brush with plastic handle

## BHP 600



### Applications:

Steel	●
Stainless steel	●
NF metals	●

**Advantages:** Comfortable handling due to ergonomically shaped plastic handle - Crimped wire design for gentle cleaning of steel, stainless steel or non-ferrous metals

Length in mm	Overall length in mm	Filament length in mm	Total length in mm	Fill material	Structure	Wire thickness in mm	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
265	140	25	265	Steel	Crimped	0,30	24	358323	71,40 ZAR	14
265	140	25	265	Stainless steel	Crimped	0,30	24	358324	142,78 ZAR	14
265	140	25	265	Brass	Crimped	0,30	24	358325	167,69 ZAR	14

Spark plug brush

## BHZ 600



### Applications:

Steel	●
Stainless steel	●
NF metals	●

**Advantages:** Soft brass or stainless steel wire suitable for fine brushing work - Ideal for the gentle cleaning of contact surfaces, e.g. spark plugs or electrodes

Length in mm	Overall length in mm	Filament length in mm	Total length in mm	Fill material	Structure	Number of rows	Wire thickness in mm	Packing unit/pcs.	Cat. number	Price/piece ZAR	Discount group
145	45	17	145	Brass	Crimped	3	0,17	25	358322	51,96 ZAR	14

Prices exclude VAT. Recommended prices.

# Retail range

Machine	Application / Material	Product type	Dimensions in mm	Page
		FP 77 K T-ACT	150 / Set*	<b>310</b>
		PS 77 CKT-ACT	150	<b>310</b>
		FP 77 K T-ACT	125 / Set*	<b>310</b>
		PS 77 CKT-ACT	125 125, 150 / Sets*	<b>311</b>
		PS 21 FK	150	available on request
		PS 18 EK	150	available on request
			125	
		AN 400	125	<b>311-312</b>
			150 125, 150 / Sets*	
		PS 33 B/C K	125	<b>312-313</b>
			150	
		PS 22 K	125	<b>314</b>
			150	
	Backing pads for abrasive discs	PP 555	125	<b>315</b>
			150	
			225	
		PS 21 FK	125	available on request
		AN 400	115 × 230	<b>316</b>
			70 × 125 available on request	
			80 × 133 available on request	
			93 × 178 available on request	
		PS 33 B/C K	115 × 230	<b>316-317</b>
			70 × 125 available on request	
			80 × 133 available on request	
			93 × 178 available on request	
		PS 22 K	115 × 230	<b>317</b>
			70 × 125 available on request	
			80 × 133 available on request	



Stainless steel



Metal



Wood



Paint



Filler



Plastic



Steel



NF metals



Hardwood



Varnish



















































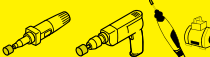









Glass



Aluminium



Machine	Application / Material	Product type	Dimensions in mm	Page
	   	AN 400	103 × 115	available on request
	  	PS 33 B/C K	103 × 115	available on request
			115 × 105	
			115 × 115	
	 	PS 22 K	103 × 115	available on request
			115 × 105	
	   	AN 400	98 × 148 / Set*	318
	  	PS 33 B/C K	98 × 148	318-319
	 	PS 22 K	98 × 148	319
	   	AN 400	96 / Set*	312
	  	PS 33 B/C K	96	320
	 	PS 22 K	96	321
	  	PS 33 B/C K	225	312-314
	   	AN 400	225	available on request
	    	LS 309 XH	100 × 560	322-323
			100 × 610	
			75 × 457	
			75 × 533	
			75 × 533, 75 × 457, 100 × 610, 100 × 560 / Sets*	
	    	CS 310 XF	10 × 330	323
			13 × 457	
			13 × 610	
	  	KM 613	40 × 20 × 6	324
			60 × 30 × 6	
			80 × 30 × 6	
	  	CS 561	115 × 22	324
			125 × 22 available on request	



Random orbital sander



Portable orbital sander



Long neck sander



Die grinder



Off-hand sanding



Angle grinder



Mouse sander



Handheld belt sander



Drilling machine



Hand block



Orbital sander



Delta sander























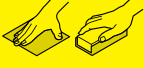







Hand tool belt grinder



Flexible shaft

# Retail range

Machine	Application / Material	Product type	Dimensions in mm	Page
	 	KL 375 J	115 × 5000	available on request
	 	PL 31 B	115 × 5000	<b>325</b>
	  	PS 33 B	115 × 5000	<b>325</b>
	  	PS 30 D	115 × 5000	available on request
	 	KL 371 X	230 × 280	available on request
	 	PL 31 B	230 × 280	available on request
	 	PS 33 B / C	230 × 280	<b>326</b>
	   	PS 11 A	230 × 280	<b>327</b>
		PS 11 C	230 × 280	<b>327</b>
	  	NPA 400	152 × 229	available on request
	 	SK 500	98 × 68 × 25	<b>328</b>
		SK 700 A	89 × 125 × 25	<b>328</b>
		SW 501	96 × 123 × 12,5	<b>329</b>



Stainless steel



Metal



Wood



Paint



Filler



Plastic



Steel



NF metals



Hardwood



Varnish



Glass



Aluminium

Machine	Thickness in mm	Application / Material	Product type	Diameter in mm	Page
	0,8	  	A 980 TZ Special	115, 125	<b>329</b>
		 	A 60 Extra	115, 125, 125 with display	available on request
		 	A 660 R Supra	115, 125	<b>330</b>
		 	A 60 TZ Special	115, 125	<b>330</b>
	1,0	 	A 960 TZ Special	115, 125	<b>331</b>
		 	K 960 TX Special	115, 125	<b>331</b>
			Z 960 TX Special	115, 125	<b>332</b>
	1,2	  	EDGE	115, 125	<b>332</b>
		 	A 346 Extra	115, 125	<b>333</b>
			A 646 R Supra	115, 125	<b>334</b>
	1,6	 	A 46 TZ Special	115, 125	<b>333</b>
		 	A 946 TZ Special	115, 125	<b>334</b>



Random orbital sander



Portable orbital sander



Long neck sander



Die grinder



Off-hand sanding



Angle grinder



Mouse sander



Handheld belt sander



Drilling machine



Hand block



Orbital sander



Delta sander



Hand tool belt grinder



Flexible shaft

## Retail range

Abrasive film, self-fastening, waterproof

### FP 77 K T-ACT Retail packs Set



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●	Composite materials	●
Primer	●	Plastic	●
Filler	●		
Gel coats	●		

**Advantages:** High performance disc with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - With a highly flexible and perfectly flat film backing for high quality surface finishing - **Set discs:** Assortments in two pieces grit 240, two pieces grit 320 and two pieces grit 400

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
125	several grain sizes	⊗ GLS 5	367314	114,47 ZAR	7
150	several grain sizes	⊗ GLS 74	368446	144,22 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 6 discs

Abrasive paper, self-fastening

### PS 77 CK T-ACT Retail packs



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●	Composite materials	●
Primer	●	Plastic	○
Filler	●		
Gel coats	●		

**Advantages:** New high-performance disc with optimized anti-clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For aggressive grinding at high loads, a flexible and tear-resistant C-latex paper is used

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
125	80	⊗ GLS 27	360318	68,16 ZAR	7
125	100	⊗ GLS 27	360319	63,22 ZAR	7
125	120	⊗ GLS 27	360321	63,22 ZAR	7
125	150	⊗ GLS 27	360322	63,22 ZAR	7
125	180	⊗ GLS 27	360323	63,22 ZAR	7
150	80	⊗ GLS 47	360349	88,28 ZAR	7
150	100	⊗ GLS 47	360347	81,33 ZAR	7
150	120	⊗ GLS 47	360351	81,33 ZAR	7
150	150	⊗ GLS 47	360350	81,33 ZAR	7
150	180	⊗ GLS 47	360348	81,33 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 discs

Prices exclude VAT. Recommended prices.

Abrasive paper, self-fastening

## PS 77 CK T-ACT

### Retail packs Set

**Properties**

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

**Applications:**

Paint/Varnish/Filler	●	Composite materials	●
Primer	●	Plastic	○
Filler	●		
Gel coats	●		

**Advantages:** New high-performance disc with optimized anti-clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - For aggressive grinding at high loads, a flexible and tear-resistant C-latex paper is used -

**Set discs:** Assortments in two pieces grit 80, two pieces grit 120 and two pieces grit 180

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
125	several grain sizes	⊙ GLS 5	367315	98,44 ZAR	5
150	several grain sizes	⊙ GLS 47	383215	121,33 ZAR	14
150	several grain sizes	⊙ GLS 74	367316	121,33 ZAR	5

Packing unit (Minimum order quantity) = 5 packs of 6 discs

Abrasive screen, self-fastening, waterproof

## AN 400

### Retail packs

**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 workstation - 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/pack ZAR	Discount group
125	80	● Screen	25	360234	421,93 ZAR	5
125	120	● Screen	25	360235	391,79 ZAR	5
125	180	● Screen	25	360237	391,79 ZAR	5
125	240	● Screen	25	360238	391,79 ZAR	5
125	320	● Screen	25	360251	391,79 ZAR	5
150	80	● Screen	25	360261	540,48 ZAR	5
150	120	● Screen	25	360262	498,95 ZAR	5
150	180	● Screen	25	360263	498,95 ZAR	5
150	240	● Screen	25	360264	498,95 ZAR	5
150	320	● Screen	25	360265	498,95 ZAR	5

Prices exclude VAT. Recommended prices.

Packing unit (Minimum order quantity) = 5 packs of 5 discs



## Retail range

Abrasive screen, self-fastening, waterproof

### AN 400

### Retail packs Set



#### 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 workstation - Independent of existing extraction hole patterns - Waterproof - **Set discs:** Assortments in two pieces grit 80, two pieces grit 120 and two pieces grit 180

#### Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
96	several grain sizes	● Screen	367459	234,40 ZAR	5
125	several grain sizes	● Screen	367328	368,36 ZAR	5
150	several grain sizes	● Screen	367327	502,30 ZAR	5

Packing unit (Minimum order quantity) = 5 packs of 6 discs

Abrasive paper, self-fastening

### PS 33 CK

### Retail packs



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	●

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
125	60	⊗ GLS 27	360312	85,13 ZAR	7
125	80	⊗ GLS 27	360313	79,18 ZAR	7
125	120	⊗ GLS 27	360314	75,45 ZAR	7
125	60	⊗ GLS 5	360250	85,13 ZAR	7
125	80	⊗ GLS 5	360248	79,18 ZAR	7
125	120	⊗ GLS 5	360249	75,45 ZAR	7
150	60	⊗ GLS 1	360266	102,77 ZAR	7
150	80	⊗ GLS 1	360267	94,38 ZAR	7
150	120	⊗ GLS 1	360268	89,14 ZAR	7
150	60	⊗ GLS 3	360324	102,77 ZAR	7

Prices exclude VAT. Recommended prices.

Continuation →

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

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
150	80	⊙ GLS 3	360325	94,38 ZAR	7
150	120	⊙ GLS 3	360326	89,14 ZAR	7
150	60	⊙ GLS 47	368440	102,77 ZAR	7
150	80	⊙ GLS 47	368445	94,38 ZAR	7
150	120	⊙ GLS 47	368444	89,14 ZAR	7
150	60	⊙ GLS 51	360272	102,77 ZAR	7
150	80	⊙ GLS 51	360273	94,38 ZAR	7
150	120	⊙ GLS 51	360274	89,14 ZAR	7
150	60	⊙ GLS 74	360330	102,77 ZAR	7
150	80	⊙ GLS 74	360331	94,38 ZAR	7
150	120	⊙ GLS 74	360334	89,14 ZAR	7
225	60	⊙ GLS 55	366980	181,82 ZAR	7
225	80	⊙ GLS 55	366979	163,79 ZAR	7
225	120	⊙ GLS 55	366984	152,52 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 discs

Abrasive paper, self-fastening

## PS 33 BK Retail packs



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	ⓘ

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
125	180	⊙ GLS 27	360315	75,45 ZAR	7
125	240	⊙ GLS 27	360316	75,82 ZAR	7
125	320	⊙ GLS 27	360317	75,82 ZAR	7
125	180	⊙ GLS 5	360247	75,45 ZAR	7
125	240	⊙ GLS 5	360246	75,82 ZAR	7
125	320	⊙ GLS 5	360245	75,82 ZAR	7
150	180	⊙ GLS 1	360269	89,13 ZAR	7
150	240	⊙ GLS 1	360270	89,65 ZAR	7
150	320	⊙ GLS 1	360271	89,65 ZAR	7
150	180	⊙ GLS 3	360327	89,13 ZAR	7
150	240	⊙ GLS 3	360328	89,65 ZAR	7
150	320	⊙ GLS 3	360329	89,65 ZAR	7
150	180	⊙ GLS 47	368443	89,13 ZAR	7
150	240	⊙ GLS 47	368442	89,65 ZAR	7
150	320	⊙ GLS 47	368441	89,65 ZAR	7
150	180	⊙ GLS 51	360275	89,13 ZAR	7

Prices exclude VAT. Recommended prices.

Continuation →

## Retail range

→ Continuation of PS 33 BK Retail packs, Abrasive paper, self-fastening

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
150	240	⊗ GLS 51	360276	89,65 ZAR	7
150	320	⊗ GLS 51	360277	89,65 ZAR	7
150	180	⊗ GLS 74	360335	89,13 ZAR	7
150	240	⊗ GLS 74	360336	89,65 ZAR	7
150	320	⊗ GLS 74	360337	89,65 ZAR	7
225	150	⊗ GLS 55	366977	152,50 ZAR	7
225	180	⊗ GLS 55	366976	152,50 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 discs

Abrasive paper, self-fastening

### PS 22 K Retail packs



#### Properties

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

#### Applications:

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

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

Available grits:

16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000 2500 3000

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
115	40	○ 0	278805	62,05 ZAR	7
115	60	○ 0	278806	51,70 ZAR	7
115	80	○ 0	278807	46,82 ZAR	7
115	120	○ 0	278808	43,78 ZAR	7
115	180	○ 0	278809	43,78 ZAR	7
125	40	⊗ GLS 5	241614	84,34 ZAR	7
125	60	⊗ GLS 5	241625	72,26 ZAR	7
125	80	⊗ GLS 5	241626	66,58 ZAR	7
125	120	⊗ GLS 5	241627	63,03 ZAR	7
125	180	⊗ GLS 5	241628	63,03 ZAR	7
150	40	⊗ GLS 3	241649	88,88 ZAR	7
150	60	⊗ GLS 3	241650	71,89 ZAR	7
150	80	⊗ GLS 3	241651	63,89 ZAR	7
150	120	⊗ GLS 3	241652	58,89 ZAR	7
150	180	⊗ GLS 3	241653	58,89 ZAR	7
150	40	⊗ GLS 51	319068	106,04 ZAR	7
150	60	⊗ GLS 51	319069	89,05 ZAR	7
150	80	⊗ GLS 51	319070	81,05 ZAR	7
150	120	⊗ GLS 51	319071	76,05 ZAR	7
150	180	⊗ GLS 51	319073	76,05 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 discs

Prices exclude VAT. Recommended prices.

Protection pad, self-fastening

## PP 555 Retail packs



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

Diameter in mm	Suitable for	Cat. number	Price/pack ZAR	Discount group
125	Random orbital sander	370652	<b>343,42 ZAR</b>	14
150	Random orbital sander	358148	<b>370,40 ZAR</b>	14
225	Drywall sander	370662	<b>788,79 ZAR</b>	14

Packing unit (Minimum order quantity) = 1 packs of 2 pads

Hand block, self fastening

## HBD 125



**NEW !**



**Advantages:** Very suitable for surface and edge grinding - Fatigue-proof hand sanding due to ergonomic form - For self-fastening discs in diameter 125 mm - Self-fastening

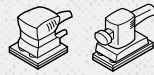
Diameter in mm	Cat. number	Price/pack ZAR	Discount group
125	387039	<b>307,58 ZAR</b>	14

Packing unit (Minimum order quantity) = 1 packs of 1 block

## Retail range

Abrasive screen, self-fastening, waterproof

### AN 400 Retail packs



#### 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:

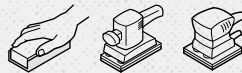
16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
115 x 230	80	Screen	360217	<b>361,41 ZAR</b>	5
115 x 230	120	Screen	360218	<b>332,19 ZAR</b>	5
115 x 230	180	Screen	360219	<b>332,19 ZAR</b>	5
115 x 230	240	Screen	360220	<b>332,19 ZAR</b>	5
115 x 230	320	Screen	360222	<b>332,19 ZAR</b>	5

Packing unit (Minimum order quantity) = 5 packs of 5 strips

Abrasive paper, self-fastening

### PS 33 CK Retail packs



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	●

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/pack ZAR	Discount group
93 x 178	120	GL 17	25	360231	<b>150,00 ZAR</b>	7
115 x 230	60	GL 15	25	360300	<b>214,00 ZAR</b>	7
115 x 230	80	GL 15	25	360301	<b>198,00 ZAR</b>	7
115 x 230	120	GL 15	25	360302	<b>188,00 ZAR</b>	7

Packing unit (Minimum order quantity) = 5 packs of 5 strips

Prices exclude VAT. Recommended prices.



Abrasive paper, self-fastening

## PS 33 BK Retail packs



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
115 x 230	180	GL 15	360304	190,00 ZAR	7
115 x 230	240	GL 15	360305	191,00 ZAR	7
115 x 230	320	GL 15	360320	191,00 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 strips

Abrasive paper, self-fastening

## PS 22 K Retail packs



### Properties

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

### Applications:

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

**Advantages:** High removal rate - Uniform 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Packing unit/pcs.	Cat. number	Price/pack ZAR	Discount group
115 x 230	40	GL 15	25	369725	263,00 ZAR	7
115 x 230	60	GL 15	25	369726	223,00 ZAR	7
115 x 230	80	GL 15	25	369724	205,00 ZAR	7
115 x 230	120	GL 15	25	369723	193,00 ZAR	7
115 x 230	180	GL 15	50	241667	283,00 ZAR	7
115 x 230	180	GL 15	25	369722	193,00 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 strips

Prices exclude VAT. Recommended prices.

## Retail range

Abrasive screen, self-fastening, waterproof

### AN 400 Retail packs Set



#### 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 workstation - Independent of existing extraction hole patterns - Waterproof - **Set:** Assortments in two pieces grit 80, two pieces grit 120 and two pieces grit 180

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
99 x 148	several grain sizes	△ GLS81	367745	189,13 ZAR	5

Packing unit (Minimum order quantity) = 5 packs of 6 strips

Abrasive paper, self-fastening

### PS 33 CK Retail packs



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
98 x 148	40	△ GLS 24	366849	118,00 ZAR	7
98 x 148	60	△ GLS 24	360333	105,00 ZAR	7
98 x 148	80	△ GLS 24	360338	98,40 ZAR	7
98 x 148	120	△ GLS 24	360339	94,50 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 strips

Prices exclude VAT. Recommended prices.

Abrasive paper, self-fastening

## PS 33 BK Retail packs



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
98 x 148	180	GLS 24	360340	94,50 ZAR	7
98 x 148	240	GLS 24	360341	94,90 ZAR	7
98 x 148	320	GLS 24	360342	94,90 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 strips

Abrasive paper, self-fastening

## PS 22 K Retail packs



### Properties

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

### Applications:

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
98 x 148	40	GLS 24	366848	128,00 ZAR	7
98 x 148	60	GLS 24	366847	112,00 ZAR	7
98 x 148	80	GLS 24	366846	104,00 ZAR	7
98 x 148	120	GLS 24	366845	99,20 ZAR	7
98 x 148	180	GLS 24	366844	99,20 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 strips

Prices exclude VAT. Recommended prices.

## Retail range

Abrasive paper, self-fastening

### PS 33 CK Retail packs



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
96	40	△ GLS 15	366850	73,08 ZAR	7
96	60	△ GLS 15	360241	65,19 ZAR	7
96	80	△ GLS 15	360244	61,48 ZAR	7
96	120	△ GLS 15	360243	59,16 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 triangles

Abrasive paper, self-fastening

### PS 33 BK Retail packs



#### Properties

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

#### Applications:

Paint/Varnish/Filler	●
Wood	●
Plastic	○

**Advantages:** Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain - Reduced clogging thanks to sanding active fillers in the size coat and the semi-open coating - Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated paper 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
96	180	△ GLS 15	360242	59,23 ZAR	7
96	240	△ GLS 15	360240	59,46 ZAR	7
96	320	△ GLS 15	360239	59,46 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 triangles

Prices exclude VAT. Recommended prices.

Abrasive paper, self-fastening

## PS 22 K

### Retail packs

**Properties**

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

**Applications:**

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
96	40	△ GLS 15	241656	44,77 ZAR	7
96	60	△ GLS 15	241657	37,25 ZAR	7
96	80	△ GLS 15	241658	33,72 ZAR	7
96	120	△ GLS 15	241659	31,51 ZAR	7
96	180	△ GLS 15	241660	31,51 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 5 triangles

Abrasive paper, self-fastening

## PS 22 K

### Retail packs Set

**Properties**

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

**Applications:**

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

**Advantages:** Universal abrasive disc for metalworking and woodworking - Uniform surface scratch pattern - Available in many grit sizes and dimensions - **Set discs:** Assortments in two pieces grit 40, two pieces grit 80 and two pieces grit 120

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
96	several grain sizes	△ GLS 15	241662	76,81 ZAR	7

Packing unit (Minimum order quantity) = 5 packs of 6 triangles

Prices exclude VAT. Recommended prices.



## Retail range

Abrasive cloth

### LS 309 XH Retail packs



#### Properties

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

#### Applications:

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



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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Belt joint	Cat. number	Price/pack ZAR	Discount group
75 x 457	40	F5	9189	158,34 ZAR	4
75 x 457	60	F5	9176	148,32 ZAR	4
75 x 457	80	F5	9172	143,61 ZAR	4
75 x 457	100	F5	9171	140,66 ZAR	4
75 x 457	120	F5	7138	140,66 ZAR	4
75 x 533	40	F5	7018	170,69 ZAR	4
75 x 533	60	F5	7019	159,00 ZAR	4
75 x 533	80	F5	7020	153,50 ZAR	4
75 x 533	100	F5	7021	150,06 ZAR	4
75 x 533	120	F5	7022	150,06 ZAR	4
75 x 533	150	F5	7023	150,06 ZAR	4
75 x 533	180	F5	7077	150,06 ZAR	4
100 x 560	40	F5	7036	211,89 ZAR	4
100 x 560	60	F5	7037	195,51 ZAR	4
100 x 560	80	F5	7038	187,81 ZAR	4
100 x 560	100	F5	7039	182,99 ZAR	4
100 x 560	120	F5	7040	182,99 ZAR	4
100 x 610	40	F5	7080	222,71 ZAR	4
100 x 610	60	F5	7081	204,87 ZAR	4
100 x 610	80	F5	7082	196,48 ZAR	4
100 x 610	100	F5	7083	191,23 ZAR	4
100 x 610	120	F5	7084	191,23 ZAR	4

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

Prices exclude VAT. Recommended prices.

Abrasive cloth

## LS 309 XH Retail packs Set



### 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 - 1 piece each in grit 40, 80 and 120 assorted

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Belt joint	Cat. number	Price/pack ZAR	Discount group
75 x 457	several grain sizes	F5	367035	139,67 ZAR	4
75 x 533	several grain sizes	F5	367034	150,30 ZAR	4
100 x 560	several grain sizes	F5	367036	184,01 ZAR	4
100 x 610	several grain sizes	F5	367037	192,65 ZAR	4

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

File belt, abrasive cloth

## CS 310 XF Retail packs



### Properties

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

### Applications:

Stainless steel	●
Metals	●
NF metals	●
Steel	●

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Belt joint	Cat. number	Price/pack ZAR	Discount group
10 x 330	40	F4G	367104	100,65 ZAR	4
10 x 330	60	F4G	367105	99,05 ZAR	4
10 x 330	120	F4G	367106	97,83 ZAR	4
13 x 457	40	F4G	248820	107,91 ZAR	4
13 x 457	60	F4G	248821	105,03 ZAR	4
13 x 457	120	F4G	248822	102,83 ZAR	4
13 x 610	40	F4G	367101	115,09 ZAR	4
13 x 610	60	F4G	367102	111,24 ZAR	4
13 x 610	120	F4G	367103	108,29 ZAR	4

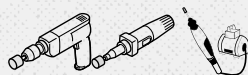
Prices exclude VAT. Recommended prices.

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

## Retail range

Small abrasive mop

### KM 613 Retail packs



#### 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Width x Shaft in mm	Grit	Max. operating speed	Max. RPM	Cat. number	Price/pack ZAR	Discount group
40 x 20 x 6	40	40 m/s	19000 rpm	360285	142,84 ZAR	9
40 x 20 x 6	60	40 m/s	19000 rpm	360286	142,84 ZAR	9
40 x 20 x 6	80	40 m/s	19000 rpm	360287	142,84 ZAR	9
60 x 30 x 6	40	40 m/s	12700 rpm	360290	199,52 ZAR	9
60 x 30 x 6	60	40 m/s	12700 rpm	360289	199,52 ZAR	9
60 x 30 x 6	80	40 m/s	12700 rpm	360288	199,52 ZAR	9
80 x 30 x 6	40	40 m/s	9500 rpm	366998	302,31 ZAR	9
80 x 30 x 6	60	40 m/s	9500 rpm	366997	302,31 ZAR	9
80 x 30 x 6	80	40 m/s	9500 rpm	366996	302,31 ZAR	9

Packing unit (Minimum order quantity) = Ø 40 mm 36 pcs., Ø 60 mm 24 pcs., Ø 80 mm 20 pcs.

Abrasive fibre disc

### CS 561 Retail packs



#### Properties

Bonding agent	Resin
Grain	Aluminium oxide
Coating	Close

#### Applications:

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

**Advantages:** For universal use - Robust, resistant and long-lasting

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Diameter x Hole in mm	Grit	Hole pattern	Cat. number	Price/pack ZAR	Discount group
115 x 22	24	⊗ 30	255905	159,60 ZAR	8
115 x 22	40	⊗ 30	255906	137,44 ZAR	8
115 x 22	60	⊗ 30	255907	123,26 ZAR	8
115 x 22	80	⊗ 30	255908	120,60 ZAR	8

Prices exclude VAT. Recommended prices.

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

Finishing paper

## PL 31 B Retail packs



### Properties

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

### Applications:

Paint/Varnish/Filler	●
Wood	●
Metals	○

**Advantages:** Product with optimal price-performance ratio - Optimized wear properties for hand sanding and 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Cat. number	Price/pack ZAR	Discount group
115 x 5000	40	241817	243,52 ZAR	1
115 x 5000	60	241818	197,54 ZAR	1
115 x 5000	80	241819	175,90 ZAR	1
115 x 5000	120	241820	162,38 ZAR	1
115 x 5000	180	241821	162,38 ZAR	1

Packing unit (Minimum order quantity) = 5 rolls

Abrasive paper

## PS 33 B Retail packs



### 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Cat. number	Price/pack ZAR	Discount group
115 x 5000	180	366987	220,05 ZAR	1
115 x 5000	240	366986	222,04 ZAR	1
115 x 5000	320	366988	222,04 ZAR	1

Packing unit (Minimum order quantity) = 5 rolls

Prices exclude VAT. Recommended prices.

## Retail range

Abrasive paper

### PS 33 C Retail packs



#### 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Cat. number	Price/pack ZAR	Discount group
230 x 280	80	371919	97,50 ZAR	5
230 x 280	120	371918	90,10 ZAR	5

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

Abrasive paper

### PS 33 B Retail packs



#### 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	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Cat. number	Price/pack ZAR	Discount group
230 x 280	180	371916	90,00 ZAR	5
230 x 280	240	371922	90,80 ZAR	5
230 x 280	320	371923	90,80 ZAR	5

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

Prices exclude VAT. Recommended prices.



Abrasive paper, waterproof

## PS 11 C Retail packs



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	C-paper

### Applications:

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

**Advantages:** Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Wet and dry sanding



Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Cat. number	Price/pack ZAR	Discount group
230 x 280	120	241787	107,00 ZAR	5
230 x 280	180	241789	98,10 ZAR	5

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

Abrasive paper, waterproof

## PS 11 A Retail packs



### Properties

Bonding agent	Resin
Grain	SiC
Coating	Close
Backing	A-paper

### Applications:

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

**Advantages:** Special product for auto repair and painting - For hard and tough surfaces - Good adaptation and high stability - Wet and dry sanding



Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length in mm	Grit	Cat. number	Price/pack ZAR	Discount group
230 x 280	240	241790	98,10 ZAR	5
230 x 280	400	241791	98,10 ZAR	5

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

## Retail range

Abrasive block, flexible, coated on 4 sides, waterproof

### SK 500 Retail packs



#### Properties

Grain	Aluminium oxide
Coating	Close

#### Applications:

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Cat. number	Price/pack ZAR	Discount group
70 x 100 x 25	60	hard	brown	grey	367346	50,10 ZAR	5
70 x 100 x 25	100	hard	brown	grey	367347	50,10 ZAR	5
70 x 100 x 25	150	hard	brown	grey	367348	50,10 ZAR	5
70 x 100 x 25	220	hard	brown	grey	367349	50,10 ZAR	5

Packing unit (Minimum order quantity) = 32 pcs.

Abrasive block, flexible, coated on 4 sides, waterproof

### SK 700 A Retail packs



#### Properties

Grain	Aluminium oxide
Coating	Close

#### Applications:

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Cat. number	Price/pack ZAR	Discount group
89 x 125 x 25	60	hard	brown	grey	367321	70,08 ZAR	5
89 x 125 x 25	100	hard	brown	grey	367322	70,08 ZAR	5
89 x 125 x 25	150	hard	brown	grey	367324	70,08 ZAR	5
89 x 125 x 25	220	hard	brown	grey	367323	70,08 ZAR	5

Packing unit (Minimum order quantity) = 18 pcs.

Prices exclude VAT. Recommended prices.

Abrasive sponge, flexible, coated on 2 sides, waterproof

## SW 501 Retail packs



### Properties

Grain	Aluminium oxide
Coating	Close

### Applications:

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

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

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000
----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------

Width x Length x Height in mm	Grit	Density	Grit color	Foam color	Cat. number	Price/pack ZAR	Discount group
96 x 123 x 12,5	120	soft	brown	yellow	367320	58,13 ZAR	5
96 x 123 x 12,5	220	soft	brown	yellow	367319	58,13 ZAR	5

Packing unit (Minimum order quantity) = 14 packs of 2 pcs.

Cutting-off wheel

## A 980 TZ SPECIAL





### Class SPECIAL

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

### Applications:

Stainless steel	●
Steel	●
NF metals	●

**Advantages:** Free of iron, sulphur and chlorine - Very short cutting times - Particularly precise and clean cuts due to the low thickness - Low thermal load - Minimal burr formation, minimizing finish-machining - 10 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 0,8 x 22,23		80 m/s	13300 rpm	10 discs	362548	734,32 ZAR	11
125 x 0,8 x 22,23		80 m/s	12200 rpm	10 discs	362549	1.156,27 ZAR	11

Minimum order quantity = 5 tins

## Retail range

for angle grinders

Cutting-off wheel

### A 660 R SUPRA



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

Applications:	
Stainless steel	●
Steel	●

**Advantages:** Minimal burr formation - Low thermal load - Highest cutting performance - 10 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1 x 22,23	■■■■■	80 m/s	13300 rpm	10 discs	362677	510,74 ZAR	11
125 x 1 x 22,23	■■■■■	80 m/s	12200 rpm	10 discs	362678	591,68 ZAR	11

Minimum order quantity = 5 tins

Cutting-off wheel

### A 60 TZ SPECIAL



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

Applications:	
Stainless steel	●
Steel	●
NF metals	○

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

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1 x 22,23	■■■■■	80 m/s	13300 rpm	10 discs	310503	808,74 ZAR	11
125 x 1 x 22,23	■■■■■	80 m/s	12200 rpm	10 discs	310504	921,24 ZAR	11

Minimum order quantity = 5 tins

Prices exclude VAT. Recommended prices.

Cutting-off wheel

## A 960 TZ SPECIAL



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

Applications:	
Stainless steel	●
Steel	●

**Advantages:** Free of iron, sulphur and chlorine - Short cutting times and long service life - Low thermal load - Low burr formation - Optimized bonding for considerably longer service life - For diverse applications - 10 pieces in a tin with viewing window tin for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1 x 22,23	■■■■■	80 m/s	13300 rpm	10 discs	362554	882,26 ZAR	11
125 x 1 x 22,23	■■■■■	80 m/s	12200 rpm	10 discs	362553	1.005,36 ZAR	11

Minimum order quantity = 5 tins

Ceramic cutting-off wheel

## K 960 TX SPECIAL



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

Applications:	
Steel	●
Stainless steel	●
High alloy steel	●
Carbon steel	●
Titanium	●

**Advantages:** Free of iron, sulfur and chlorine - Outstanding performance in daily use - Highest cutting performance, even with low grinding pressure - 10 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1 x 22,23	■■■■■	80 m/s	13300 rpm	10 discs	362590	818,75 ZAR	11
125 x 1 x 22,23	■■■■■	80 m/s	12200 rpm	10 discs	362589	945,85 ZAR	11

Minimum order quantity = 5 tins



## Retail range

Cutting-off wheel

### Z 960 TX SPECIAL



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

Applications:	
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 - 10 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1 x 22,23	■■■■■■■■	80 m/s	13300 rpm	10 discs	362588	659,88 ZAR	11
125 x 1 x 22,23	■■■■■■■■	80 m/s	12200 rpm	10 discs	362587	842,51 ZAR	11

Minimum order quantity = 5 tins

Cutting-off wheel

### EDGE SPECIAL



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

Applications:	
Stainless steel	●
Steel	●
Aluminium	●

**Advantages:** High-performance cutting-off wheel with self-sharpening abrasive grain - Great cutting performance combined with a long service life - Wide range of applications - 10 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1,2 x 22,23	■■■■■■■■	80 m/s	13300 rpm	10 discs	362578	1.089,84 ZAR	11
125 x 1,2 x 22,23	■■■■■■■■	80 m/s	12200 rpm	10 discs	362579	1.222,68 ZAR	11

Minimum order quantity = 5 tins

Prices exclude VAT. Recommended prices.

Cutting-off wheel

## A 346 EXTRA



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

**Advantages:** Free of iron, sulphur and chlorine - Universal use on steel and stainless steel (INOX) - Cutting disc made of a calcined, cubic aluminium oxide that is self-sharpening - Minimal burr formation and longer service life - Best suited for cutting thin-walled profiles and pipes - 8 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	8 discs	347566	467,48 ZAR	11
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	8 discs	362583	528,14 ZAR	11

Minimum order quantity = 5 tins

Cutting-off wheel

## A 46 TZ SPECIAL



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

**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 - 8 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1,6 x 22,23	—	80 m/s	13300 rpm	8 discs	362580	655,82 ZAR	11
125 x 1,6 x 22,23	—	80 m/s	12200 rpm	8 discs	362585	737,42 ZAR	11

Minimum order quantity = 5 tins

## Retail range

Cutting-off wheel

### A 646 R SUPRA



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

Applications:	
Steel	●
Stainless steel	○

**Advantages:** Free of iron, sulphur and chlorine - Universal use on steel and stainless steel - Cutting disc made of self-sharpening, calcined aluminum oxide - Tremendous aggressiveness when used for cutting solid steel materials - 8 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1,6 x 22,23	■■■■■	80 m/s	13300 rpm	8 discs	362582	583,48 ZAR	11
125 x 1,6 x 22,23	■■■■■	80 m/s	12200 rpm	8 discs	362581	654,72 ZAR	11

Minimum order quantity = 5 tins

Cutting-off wheel

### A 946 TZ SPECIAL



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

Applications:	
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 - 8 pieces in a tin with viewing window for easy removal

Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/tin	Cat. number	Price/tin ZAR	Discount group
115 x 1,6 x 22,23	■■■■■	80 m/s	13300 rpm	8 discs	362584	764,88 ZAR	11
125 x 1,6 x 22,23	■■■■■	80 m/s	12200 rpm	8 discs	342227	941,16 ZAR	11

Minimum order quantity = 5 tins

Prices exclude VAT. Recommended prices.



# Point of Sale

### **Flexible, easy care and maintenance, representative: The new, modular POS system by Klingspor**

The full range of products – from the show room to one-on-one selling. It must be representative, boost sales and be easy to care for – the requirements for a POS are manifold and keep changing. The new POS system by Klingspor can be configured flexibly according to individual needs.

#### **Flexibility**

The new Klingspor POS system is flexibly scalable. Standardised modules with a width of one metre can be flexibly extended in height and width. All new POS elements are fully compatible with previous Klingspor POS modules.

#### **Optimally representative**

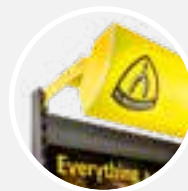
The image modules complement your POS presentation by true attention-getters. Depending on your line of goods, these modules can be fitted out flexibly. The main eye-catcher is a large work piece, on which typical application examples can be shown.

#### **Minimal effort for care and maintenance**

The modular design and easily exchangeable magnetic foils keep your wall up to date: Popular products and promotions that make for sales momentum can be installed on the wall with a few simple steps. Out-of-stock fast movers can be refilled directly at the POS through an optional storage space in the base rail.

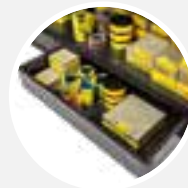
#### **Point of Sale Catalogue**

Please request our Point of Sale Catalogue for more detailed information on the POS elements, modules and accessory.



#### **Backlit top panels**

Simple but effective: With backlit top panels that disperse light to the front as well as on the products, you will find it easy to attract attention to your POS.



#### **Optional storage space**

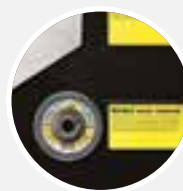
Consultancy documents or much-in-demand fast movers for refilling the wall quickly can be stored easily in the storage space behind the base rail.





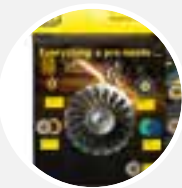
## Flexible labelling due to detachable magnetic foils

Quick orientation, fewer questions and quickly placed.



## Representative image module

A true attention-getter – with user-oriented tasks, you can stage the highlight products in your line of goods. Beside a stainless steel hexagon with different machining examples, your own in-house work pieces can be set up.



## Individual concepts are possible

Design the wall with individual eye-catchers that hit on the dot the work focus of your customers. We are glad to advise you!



## Magnetic header foils

The magnetic foils are also suited for centre gondolas and offer quick orientation.

# Safety recommendations

## Applications guide

### General Principles of Safety

Abrasive products improperly used can be very dangerous.

- ▶ Always follow the instructions provided by the abrasive product and machine supplier.
- ▶ Ensure that the abrasive product is suitable for its intended use. Examine all abrasive products for damage or defects before use.
- ▶ Follow the correct procedures for handling and storage of abrasive products. Be aware of the hazards likely during the use of abrasive products and observe the recommended precautions to be taken:
  - ▶ Bodily contact with the abrasive product at operating speed.
  - ▶ Injury resulting from product breakage during use.
  - ▶ Grinding debris, sparks, fumes and dust generated by the grinding process.
  - ▶ Noise
  - ▶ Vibration

Use only abrasive products conforming to the highest standards of safety. These products will bear the relevant EN standard number and/or the inscription "oSa":

- ▶ EN 12413 for Bonded Abrasives.
- ▶ EN 13236 for Superabrasives.
- ▶ EN 13743 for Specific Coated Abrasives (vulcanised fibre discs, flap wheels, flap discs and spindle-mounted flap wheels).

Never use a machine that is not in good working order or one with defective parts. Employers should carry out a risk assessment on all individual abrasive processes to determine the appropriate protective measures necessary. They should ensure that their employees are suitably trained to carry out their duties.

More detailed information on the safe use of abrasive products, comprehensive Safety Codes are available from FEPA or your National Trade Association.

- ▶ FEPA Safety Code for Bonded Abrasives and Precision Superabrasives.
- ▶ FEPA Safety Code for Superabrasives for Stone and Construction.
- ▶ FEPA Safety Code for Coated Abrasives.

- ▶ Never use an abrasive product beyond its expiry date where marked. Observe the recommended shelf life for the following specific products; Resinoid and Shellac products 3 years, Rubber products 5 years, Vitrified products 10 years.
- ▶ Check abrasive product or package for any warnings or other safety information.
- ▶ Ensure that the correct abrasive product is selected. Never use a product if it cannot be properly identified.
- ▶ Follow the instructions provided by the abrasive product or machine supplier when mounting abrasive products. Observe any mounting indications marked on the product such as direction of run or mounting position.
- ▶ Never force the abrasive product onto the mounting fixture or modify it to fit.
- ▶ Never exceed the maximum operating speed where specified.
- ▶ Check that the correct mounting devices are used and that they are undistorted, clean and free from burrs.
- ▶ Use mounting blotters where supplied.
- ▶ Do not tighten the mounting device excessively.
- ▶ After mounting or re-mounting an abrasive product, conduct a trial run at operating speed with the guard in place for at least 30 seconds, standing clear of the machine before use.
- ▶ Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted.
- ▶ Ensure that the workpiece is secure and properly supported. Ensure that work rests are properly adjusted and secure.
- ▶ Never start the machine with the workpiece in contact with the abrasive product.
- ▶ Never apply excessive force or shock to the abrasive product or let it overheat.
- ▶ Do not grind on the part of the product that is not designed for the operation.
- ▶ Avoid grinding with the edge of abrasive belts, use the centre of the belt if possible.
- ▶ Avoid clogging and uneven wear to ensure that the abrasive product is working efficiently. Dress frequently where appropriate.
- ▶ Let the abrasive product stop naturally, not by applying pressure to its surface.
- ▶ Turn off and spin out excess coolant before stopping the machine.
- ▶ Do not leave abrasive belts under tension when not in use.

### Precautions against likely hazards

#### Bodily contact with the abrasive product

- ▶ Always take great care and attention when using abrasive products. Tie back long hair and do not wear loose clothing, ties or jewellery.
- ▶ Prevent accidental start up of the machine before mounting or changing an abrasive product. Isolate machines from their power source where necessary.
- ▶ Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted before starting the machine.
- ▶ Always use gloves and suitable clothing where the workpiece or machine is handheld. For gloves, a minimum protection level of EN 388 Category 2 is recommended.
- ▶ After switching off the machine, ensure the product has come to rest before leaving the machine unattended.

#### Injury caused by product breakage

- ▶ Always handle abrasives with great care, they are easily damaged. Examine all products for defects or damage before use.
- ▶ Store abrasives in dry, frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected and supported to prevent damage and distortion.
- ▶ Coated abrasives should be stored at 18-22° C, 45-65% relative humidity.
- ▶ Abrasive belts should be hung on a rod or peg not less than 50mm diameter.



Not permitted for handheld or manually-guided grinding



Do not use for wet grinding



Not permitted for face grinding



Do not use if damaged



Only permitted with a backing pad



Use ear muffs



Observe safety instructions



Wear safety gloves to protect hands



Wear safety goggles or glasses to protect the eyes



Wear a dust mask



Only permitted for wet cutting



Only permitted for use on totally enclosed machines

### Grinding debris – sparks, dust and fumes

- ▶ Exposure to dust generated from workpiece and/or abrasive materials can result in lung damage and/or other physical injury.
- ▶ All dry grinding processes should be provided with adequate extraction facilities.
- ▶ Do not use abrasive products near flammable materials.
- ▶ The use of respirators complying with EN149 is recommended for dry grinding processes even if extraction systems are provided.
- ▶ Guards where provided should be adjusted to deflect sparks and debris away from the operator.
- ▶ Take additional measures to protect people working nearby.
- ▶ Eye protection is recommended for all machine applications for abrasives. For handheld machines or workpiece, goggles or full face shields are recommended.
- ▶ Eye protection with a minimum protection of EN166 Grade B is recommended.
- ▶ Ensure that the correct abrasive product is selected. An unsuitable product can produce excessive debris and dust.

### Noise

- ▶ Ear protection complying with EN352 is recommended for all applications where the workpiece or machine is handheld, irrespective of the noise level.
- ▶ Ensure that the correct abrasive product is selected. An unsuitable product can produce excessive noise.

### Vibration

- ▶ Processes where the workpiece or machine is handheld can cause vibration injury.
- ▶ Action needs to be taken if tingling, pins and needles or numbness is experienced after 10 minutes continuous use of the abrasive product.
- ▶ The effects of vibration are more pronounced in cold conditions so keep the hands warm and exercise hands and fingers regularly. Use modern equipment with low vibration levels.
- ▶ Maintain all equipment in good condition and stop the machine and have it checked if excessive vibration occurs.
- ▶ Use good quality abrasive products and keep them in good condition during their life.
- ▶ Maintain mounting flanges and backing pads in good condition and replace if worn or distorted.
- ▶ Do not grip the workpiece or machine too tightly and do not exert excessive pressure on the abrasive product.
- ▶ Avoid continuous use of the abrasive product.
- ▶ Use the correct product. An unsuitable product can produce excessive vibration.
- ▶ Don't ignore the physical symptoms of vibration – seek medical advice.

### Disposal of abrasives

- ▶ Used or defective abrasives should be disposed in accordance with local or national regulations.
- ▶ Further information can be obtained from material safety data sheets provided by the supplier.
- ▶ Be aware that the abrasive product may be contaminated with material from the workpiece or process after use.
- ▶ Disposed abrasive products should be damaged to prevent them from being taken from waste skips and re-used.

## SAFETY RECOMMENDATIONS FOR THE USE OF ABRASIVE BELTS

### 1. General safety recommendations

- ▶ Ensure that quality and dimensions of the belt are correct for the machine and type of application. Refer to the machine manufacturer's instructions.
- ▶ Do not use near easily flammable material.
- ▶ Prevent long hair, loose clothes or jewellery from getting into contact with the machine and being pulled in. Take precautionary measures.
- ▶ Ensure that people nearby are protected from chips, sparks, debris, fumes, dust and noise. Belt grinding operations may produce high concentrations of dust, gas or mist, which can represent a health hazard as well as a risk of explosion.
- ▶ Do not open the guard or put down the machine until the belt has come to a complete standstill.

### 2. Specific safety recommendations

- ▶ Abrasive belts can tear. Please take precautions against risks by tearing of belt (e.g. protective clothing and devices, safety equipment of machinery).
- ▶ Abrasive machines, which do not have a completely closed guard require comprehensive protective equipment of the user (e.g. protective gloves, leather aprons, face shield, dust mask).
- ▶ Check the locking mechanism of the machine cover. Do not remove guards. Any contact with running belts can result in serious injuries.
- ▶ When mounting, refer to direction of running advice, if necessary.
- ▶ Make sure the workpiece is held correctly or is mechanically secured.
- ▶ Start the machine and wait until belt has reached its full operational speed before grinding.
- ▶ Belts should only be used dry unless specified as suitable for wet grinding (please contact the manufacturer if in any doubt).
- ▶ Use the centre of the belt, if possible, and grind as flat as possible. Avoid grinding with the edge of the belt as well as strong punctual loading e.g. through sharp or sharp-edged workpieces.
- ▶ Do not exert excessive pressure and prevent the belt from overheating.
- ▶ Check the belts in use periodically for wear and tear or damage (e.g. cracks at edges, fracturing or strong wear and tear in the joint) and replace the belts if necessary.

Due to the extraordinary variety of applications and machine constructions, these recommendations are limited to basic aspects of safety. Further safety regulations and instructions can be taken from the respective legislation, decrees and technical standards.



# CONDITIONS OF SALE AND DELIVERY OF KLINGSPOR ABRASIVES SA (PTY) LTD

**IN THIS AGREEMENT THERE ARE CERTAIN CLAUSES OF SIMILAR FONT TO THIS TEXT, WHICH CONTAINS PROVISIONS THAT MAY HAVE THE EFFECT OF (I) LIMITING THE RISK OR LIABILITY OF THE COMPANY OR OF ANY OTHER PERSON AND/OR (II) MAY CONSTITUTE AN ASSUMPTION OF RISK OR LIABILITY BY YOU AND/OR (III) MAY IMPOSE AN OBLIGATION ON YOU TO INDEMNIFY THE COMPANY OR ANY OTHER PERSON FOR ANY CAUSE AND/OR (IV) MAY BE AN ACKNOWLEDGEMENT OF ANY FACT BY YOU. THESE PROVISIONS ARE VERY IMPORTANT AND YOU MUST ENSURE THAT YOU READ THEM CAREFULLY AND THAT YOU UNDERSTAND THEM CLEARLY.**

## 1. GENERAL

- 1.1 All contracts are exclusively subject to the **COMPANY'S** terms and conditions of delivery and sale and the **COMPANY** rejects any terms and conditions of the **CUSTOMER** to the contrary or deviating from the **COMPANY'S** terms and conditions unless it has expressly consented to their validity in writing.
- 1.2 The terms and conditions set out herein cancel all previously issued terms and conditions.
- 1.3 These terms and conditions, as re-issued or revised by the **COMPANY** from time to time, apply to all orders placed with the **COMPANY** and such orders are subject to acceptance by the **COMPANY** and shall be deemed to be made subject to these terms and conditions.
- 1.4 No qualification or condition contained in any order form, acknowledgement of order or otherwise, shall form part of the contract of sale or override these terms, unless expressly agreed to in writing by the Managing Director of the **COMPANY**. No employee or agent of the **COMPANY** shall have the authority or the ability to change these terms in any manner whatsoever, save for the Managing Director of the **COMPANY**.
- 1.5 Price lists issued by the **COMPANY** from time to time, are for information purposes only and do not constitute offers for sale.
- 1.6 The **COMPANY** reserves the right to refuse an order and acceptance on the part of the **COMPANY** shall only be deemed to have occurred on delivery of the **GOODS**.
- 1.7 Save insofar as may be otherwise specifically agreed upon in writing to the contrary by the **COMPANY**, orders are accepted only at prices and transport tariffs on that date of dispatch.
- 1.8 Due to variables such as quantity, size, packaging, marketing etc., invoiced prices may differ marginally from advertised prices.

## 2. APPLICATION OF THE CONSUMER PROTECTION ACT

- 2.1 If the **CPA** is applicable to this **AGREEMENT**, the provisions of the **CPA** shall be applied and take precedence where they contradict any provision of this **AGREEMENT**.
- 2.2 Whether the **CPA** applies to this **AGREEMENT** depends on whether certain values of the **CUSTOMER'S** business (the "Threshold Values") are above or below the threshold.
- 2.3 The Threshold Values are the **CUSTOMER'S** asset value or annual turnover. If either of these values exceed R2 000 000.00 (Two Million Rand) on the date that the Parties agree that the **COMPANY** will sell the **GOODS**, the **CPA** will not apply to this **AGREEMENT**.
- 2.4 The values measured and the threshold itself will be amended from time to time, in which case the Parties agree that the new measurements shall apply to this **AGREEMENT** from the date of such amendment.
- 2.5 The **COMPANY'S** duties in terms of this **AGREEMENT** may vary depending on whether the **CPA** applies to it, and the **COMPANY** shall act upon the information given by the **CUSTOMER** in the credit application form. Consequently:
  - 2.5.1 The **CUSTOMER** warrants that any statement made to the **COMPANY** in respect of its Threshold Value is accurate.
  - 2.5.2 If the **CUSTOMER** claims that all the Threshold Values are below R2 000 000.00 (Two Million Rand), or otherwise that the **CPA** applies to this **AGREEMENT**, the **COMPANY** may at its instance require the **CUSTOMER** to provide it with financial statements as proof thereof.
  - 2.5.3 If the **CUSTOMER** misstates the Threshold Values and as a consequence the **COMPANY** believes that this **AGREEMENT** is subject to the **CPA** when it is not, then the **COMPANY** may retroactively apply any provisions of this **AGREEMENT** that were not applied as a result of this belief.
- 2.6 The **CUSTOMER** shall be liable for any costs or damage sustained by the **COMPANY** resulting from such misstatement.

## 3. INTERPRETATION AND DEFINITIONS

- 3.1 In this **AGREEMENT** unless the context otherwise requires:-
  - 3.1.1 The singular shall import and include the plural and vice versa;
  - 3.1.2 Words indicating one gender shall import and include other genders;
  - 3.1.3 Words indicating natural persons shall import and include artificial persons;
  - 3.1.4 The headnotes to this **AGREEMENT** are used for the sake of convenience only and shall not govern the interpretation of the clauses to which they relate;
  - 3.1.5 Where any number of days is prescribed in this **AGREEMENT**, they shall be calculated exclusive of the first day and inclusive of the last day unless the last day falls on a Saturday, Sunday or public holiday. In such day the last day shall be the next succeeding day which is not a Saturday, Sunday or public holiday;
  - 3.1.6 If any doubt or conflict arises where figures are referred to in numerals and in words, the words shall prevail;
  - 3.1.7 Should there be any conflict or inconsistency between this **AGREEMENT** and other agreement/s concluded between the Parties, then terms and conditions of this **AGREEMENT** shall prevail;
  - 3.1.8 If any provision in a definition contained in this **AGREEMENT** is a substantive provision conferring rights or imposing obligations on any Party, notwithstanding that it only appears in the definition clause, effect shall be given to it as if it were a substantive provision in the body of the **AGREEMENT**;
  - 3.1.9 The rights and obligations of any Party arising from this **AGREEMENT**, shall devolve upon and be binding upon its successors-in-title.
- 3.2 Unless such meaning is inconsistent with the context, the following terms shall, throughout this **AGREEMENT**, have the meanings respectively ascribed to them, namely:
  - 3.2.1 "**AGREEMENT**" shall mean these terms and conditions of sale and delivery and annexures, if any, attached hereto;
  - 3.2.2 "**COMPANY**" shall mean Klingspor Abrasives SA (Pty) Ltd, with Registration Number: 1998/022423/07, a company duly registered and incorporated in accordance with the laws of the Republic of South Africa, with registered address situated at 2 Spartan Road, Spartan, Johannesburg, South Africa;
  - 3.2.3 "**CONTRACT PRICE**" shall mean the price of the **GOODS** as set out in the invoice;
  - 3.2.4 "the **CPA**" shall mean the Consumer Protection Act, 86 of 2008, as amended.
  - 3.2.5 "**CUSTOMER**" shall mean the person or legal entity with whom an **AGREEMENT** is entered into for the sale of the **GOODS**;
  - 3.2.6 "**DELIVERY NOTE**" shall mean a note on which is reflected at least the invoice number, delivery instruction note number, net and gross weights and number of bags/packages/cartons or other containers in which the **GOODS** are supplied. All **INVOICES** shall be accompanied by a tax invoice complying with the Value Added Tax Act (as amended);
  - 3.2.7 "**GOODS**" shall mean the **GOODS** as described more specifically in the invoice;
  - 3.2.8 "**INVOICE**" shall mean the invoice document of the **COMPANY** whereon an invoice number, full particulars of the **CUSTOMER**, **CONTRACT PRICE** and the date of order of the **GOODS** by the **CUSTOMER** shall appear.

## 4. PRICES

- 4.1 Unless otherwise agreed upon in writing, the **CONTRACT PRICE** shall, *inter alia*, be deemed to include charges for landing costs, packing and storage.
- 4.2 In the event that the order value exceeds the value for free transportation, currently R2 500.00 (Two Thousand Five Hundred Rand), the costs of the transport shall be paid by the **COMPANY**.
- 4.3 In the event that the order value falls below the value for free transportation, currently R2 500.00 (Two Thousand Five Hundred Rand), the order will not be delivered to the **CUSTOMER** and will be held back by the **COMPANY**, pending additional orders from the **CUSTOMER** until such time as the cumulative order value exceeds the value for free transportation, currently R2 500.00 (Two Thousand Five Hundred Rand).
- 4.4 Notwithstanding clause 4.3 above, in the event that the order value falls below the value for free transportation, currently R2 500.00 (Two Thousand Five Hundred

Rand), and the CUSTOMER requires immediate delivery of the GOODS, the costs of the transport shall be paid by the CUSTOMER.

- 4.5 The COMPANY reserves its right to add a reasonable charge for storage on any items which have not been collected or could not be delivered within 14 (Fourteen) days of the date on which they were available for delivery or collection, as the case may be, and in the event that this is as a result of the CUSTOMER'S conduct.
- 4.6 All orders are accepted subject to a 'minimum carriage free order value'. In this regard, the transport costs shall be borne by the CUSTOMER.
- 4.7 Any orders accepted below the 'minimum order value' shall attract an administration charge in addition to the transport charge referred to in clause 4.4 above.
- 4.8 'Minimum carriage free order values' and 'minimum order values' are subject to alteration without notice.
- 4.9 Samples and specimen products are only delivered against payment by the CUSTOMER, unless the Parties have otherwise agreed upon in writing.
- 4.10 The COMPANY shall retain the title to and copyrights in all offer documents; these may not be made available to third parties without the COMPANY'S express written consent.
- 4.11 The CONTRACT PRICE shall specifically exclude Value Added Tax (VAT) and any other taxes that may be levied in respect of the GOODS. The COMPANY reserves its rights to effect price increases from time to time without notification to the CUSTOMER. The onus shall be on the CUSTOMER to remain informed of the prices of the COMPANY. No COMPANY employee, official, agent or nominee shall have the authority to effect or authorise any discounting of the CONTRACT PRICE of the GOODS save the Managing Director of the COMPANY.
- 4.12 The price quoted for GOODS may be increased by the COMPANY in the event that the COMPANY incurs any increase in the cost of labour, materials and transport between the date of accepting an order placed by the CUSTOMER and the date of delivery of the GOODS concerned.
- 4.13 Notwithstanding the stated price on the INVOICE, the CONTRACT PRICE shall, at all material times, be subject to any increase of duties, levies, taxes, transport, storage and packing costs and the COMPANY shall endeavour, where reasonably possible, to inform the CUSTOMER in advance of any anticipated increases of the aforesaid.
- 4.14 Due to the nature of the COMPANY'S manufacturing process, the COMPANY and the CUSTOMER, shall agree (where applicable) upon an allowance in respect of a reasonable variation in the quantity of GOODS supplied in respect of each order.

## 5. PAYMENT

- 5.1 Unless otherwise agreed upon between the Parties, payment shall be made in full without any deduction or set off in respect of GOODS sold. Payment shall be made by the CUSTOMER within 30 (Thirty) days from the date of statement.
- 5.2 Notwithstanding the aforementioned, the COMPANY reserves the right to demand payment from the CUSTOMER prior to any delivery taking place.
- 5.3 The COMPANY reserves the right to extend credit facilities to CUSTOMERS, from time to time, without any obligation to do so notwithstanding having extended such facilities in the past to any CUSTOMER.
- 5.3.1 Where the COMPANY has agreed to supply GOODS on credit, payment in full shall be due within 30 (Thirty) days from date of the first monthly statement rendered by the COMPANY.
- 5.3.2 The monthly accounts of the COMPANY are closed on the 25<sup>th</sup> day of each month. Payment must be credited to the banking accounts of the COMPANY by the 25<sup>th</sup> day of the following month.
- 5.4 Credit facilities shall only be afforded to CUSTOMERS after completion of the necessary documents required by the COMPANY and the CUSTOMER having provided the COMPANY with the required guarantees/suretyships.
- 5.5 The COMPANY reserves its right to, at any time and after having provided the CUSTOMER with reasonable notice, and reasonable notice to be deemed to be 30 (Thirty) days, advise that credit facilities to a CUSTOMER by the COMPANY shall be terminated, and the COMPANY shall be under no obligation whatsoever to provide any reasons for such termination.
- 5.6 It is specifically agreed upon and recorded that at all material times, it shall be the sole prerogative of the COMPANY to decide to which CUSTOMERS it would be willing to extend credit facilities, it specifically being understood by CUSTOMERS that any differentiation shall not be deemed to be discriminatory but shall be deemed to form part of the COMPANY'S internal credit risk limitation policy.

- 5.7 The COMPANY shall be entitled to refuse the sale of GOODS to any CUSTOMER in the event of overdue accounts owing by the CUSTOMER to the COMPANY, or in the event that a CUSTOMER is not able to obtain/provide satisfactory guarantees/suretyships.
- 5.8 It is specifically recorded and agreed that any late payments by a CUSTOMER shall constitute an automatic breach of any credit facility agreement entered into between the COMPANY and the CUSTOMER and provided to the CUSTOMER by the COMPANY and accordingly, the COMPANY reserves the right at any time to refuse any further sale of GOODS to the CUSTOMER and/or demand a cash on delivery basis, until all outstanding accounts including any accrued interest on such outstanding accounts have been settled in full by such CUSTOMER.
- 5.9 IT IS SPECIFICALLY RECORDED AND AGREED THAT THE CUSTOMER WAIVES ALL CLAIMS AGAINST THE COMPANY FOR ANY DAMAGES OR LOSSES THAT IT MAY SUFFER AS A RESULT OF THE REFUSAL OF THE COMPANY TO SELL GOODS TO THE CUSTOMER IN THE EVENT OF AN OVERDUE ACCOUNT, OR IN CONNECTION WITH ANY OTHER DISPUTE WHATSOEVER ARISING OUT OF PAYMENT FOR GOODS.

## 6. INTEREST

It is specifically recorded and agreed that interest on overdue accounts shall be at the rate as per the Prescribed Rate of Interest Act 55 of 1975, as amended.

## 7. DELIVERY

- 7.1 Time of delivery shall not be of the essence in this AGREEMENT.
- 7.2 WHILST EVERY EFFORT SHALL BE MADE TO DISPATCH AND DELIVER THE GOODS AS ADVISED, THE COMPANY DOES NOT GUARANTEE DISPATCH AND/OR DELIVERY ON ANY SPECIFIC DATE AND SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES THAT MAY BE SUFFERED BY THE CUSTOMER, AS A RESULT OF ANY DELAYS IN THE DELIVERY OF THE GOODS THAT MAY OCCUR, SAVE TO THE EXTENT THAT THE COMPANY MAY BE LIABLE FOR ANY LOSSES IN TERMS OF SECTION 47 OF THE CPA.
- 7.3 The CUSTOMER shall not be entitled to cancel any order by reason of such delay.
- 7.4 Should the COMPANY be prevented from the performance of any of its obligations as a result of Force Majeure, or any cause whatsoever beyond the control of the COMPANY, the COMPANY shall be entitled, at its option, to cancel the AGREEMENT or to suspend performance of its obligations there under and **SHALL NOT BE LIABLE WHATSOEVER FOR ANY LOSS OR DAMAGE, CONSEQUENTIAL OR OTHERWISE, RESULTING FROM SUCH INABILITY TO PERFORM ITS OBLIGATIONS, CANCELLATION OR SUSPENSION.**
- 7.5 Unless otherwise agreed upon in writing, delivery and passing of the risk in the GOODS shall be deemed to have taken place when:
  - 7.5.1 the GOODS are offloaded by the COMPANY, or its duly appointed delivery agent, at the CUSTOMER'S premises; or
8. **THE GOODS ARE COLLECTED BY THE CUSTOMER FROM THE PREMISES OF THE COMPANY. RESERVATION OF OWNERSHIP**
  - 8.1 The COMPANY shall reserve ownership of GOODS delivered, until receipt of all payments due in terms of this AGREEMENT. Further, the COMPANY reserves ownership of GOODS until the CUSTOMER has affected any payments in full.
  - 8.2 In the event that the CUSTOMER defaults in payment, it shall deliver the GOODS to the COMPANY upon receipt of notice by the CUSTOMER from the COMPANY, without any undue delay.
  - 8.3 The COMPANY may elect, without detracting from other remedies which may be available to it, to continue with the AGREEMENT or to cancel it and cancel the sale of any further GOODS to the CUSTOMER and to rely on the provisions of this clause to repossess those GOODS sold and delivered by the COMPANY to the CUSTOMER or to claim specific performance of all the CUSTOMER'S obligations whether or not such obligations would otherwise have fallen due for performance, in either event, without prejudice to the COMPANY'S rights to claim damages.
  - 8.4 The COMPANY'S request for repossession and repossession itself shall not be construed as rescission of the contract. After repossession of the delivered items, the COMPANY shall be authorised to realise the same. The realisation proceeds shall be set off against the CUSTOMER'S liabilities – less appropriate realisation costs. The COMPANY may also realise the repossessed, reserved GOODS by selling them by private contract.
  - 8.5 The CUSTOMER undertakes to handle the GOODS with care; in particular, it is obliged to insure them adequately at the reinstatement value against damage caused by fire, water, and theft at its expense.



- 8.6 In the event of attachments, attempted attachments, or other intervention by third parties, the **CUSTOMER** shall inform the **COMPANY**, in writing, without delay. The **CUSTOMER** shall be liable to the **COMPANY** for the judicial and extra-judicial costs of any necessary action pursuant to third-party action in respect of acts of execution. **GOODS** belonging to the **COMPANY** shall be clearly marked as property of the **COMPANY**.
- 8.7 The **CUSTOMER** is entitled to resell the **GOODS** in the ordinary course of business. In exchange, it herewith assigns to the **COMPANY** all claims against its customers or third parties in the amount of the total invoice (including value added tax) which, to its benefit, accrue from the resale, irrespective of whether the delivered item was resold without any processing or after processing. The **COMPANY** accept this assignment of the **CUSTOMER** to the **COMPANY**.
- 8.8 The **CUSTOMER** shall remain authorised to collect these claims, even after the assignment. However, the **COMPANY** shall be authorised to collect the claim itself, if the **CUSTOMER** no longer performs its obligations to pay from the collected proceeds, or there has been a suspension of payments. In this event, the **COMPANY** may demand that the **CUSTOMER** discloses to the **COMPANY** the assigned claims and their debtors, furnishes all the information required to collect the claims, delivers the pertinent documents and notifies the debtor (third party) of the assignment.
- 8.9 In processing or transforming the **GOODS**, the **CUSTOMER** shall invariably be acting for the **COMPANY** and on its behalf. If the **GOODS** are processed with other items not belonging to the **COMPANY**, the **COMPANY** shall acquire joint title to the new thing in the same proportion as the value of the delivered item bears to the other processed items at the time of the processing. In all other cases, the new thing having resulted from the processing shall be governed by the same provision as **GOODS**. The reservation of title shall remain effective even if individual claims of the **COMPANY** or all of the **COMPANY'S** claims are included in a current account and a balance is struck or the balance is confirmed.

## 9. RETURN OF GOODS

- 9.1 A PRECONDITION OF THE WARRANTY RIGHTS (CLAIMS BASED ON DEFECTS) OF THE **CUSTOMER**, IN TERMS OF THE AGREEMENT, IS THAT A **CUSTOMER** WHO IS A MERCHANT INSPECTS THE **GOODS** UPON RECEIPT WITHOUT UNDUE DELAY AND GIVES WRITTEN NOTICE OF ANY VISIBLE DEFECTS (SPECIFYING THE DEFECT) WITHOUT UNDUE DELAY, AFTER THE INSPECTION. THIS SHALL ALSO APPLY TO WRONG DELIVERIES OR ITEMS IN INSUFFICIENT QUANTITIES BEING DELIVERED. NOTIFICATION MUST BE GIVEN WITHIN A PERIOD OF 7 (SEVEN) DAYS. FOR NON-MERCHANTS (I.E. CONSUMER AS DEFINED IN THE CPA) NOTIFICATION MUST BE GIVEN WITHIN A PERIOD OF 14 (FOURTEEN) DAYS.
- 9.2 SHOULD THERE BE AN ALLEGATION THAT ANY **GOODS** ARE UNSAFE, OR DEFECTIVE THE **COMPANY** SHALL NOT BE LIABLE FOR ANY HARM CAUSED WHERE SUCH ALLEGED UNSAFE **GOODS** CHARACTERISTIC, FAILURE, DEFECT OR HAZARD DID NOT EXIST IN THE **GOODS** AT THE TIME AT WHICH THEY WERE SUPPLIED TO THE **CUSTOMER** BY THE **COMPANY**. THEREFORE IF NO SUCH NOTIFICATION IS RECEIVED IN TERMS OF CLAUSE 9.1 ABOVE, IT SHALL BE REGARDED AS SUFFICIENT (*PRIMA FACIE*) PROOF THAT NO DEFECTS WERE PRESENT AT THE TIME OF DELIVERY AND THAT THE **GOODS** WERE DELIVERED IN ACCORDANCE WITH THIS AGREEMENT.
- 9.3 In the event that the **COMPANY** receives notification in terms of clause 9.1 above and it is satisfied that the **GOODS** are defective or does not conform to specifications, then the **COMPANY** shall, at the **COMPANY'S** election, replace such quantity of **GOODS** with an equal quantity of **GOODS** or refund the applicable portion of the purchase price to the **CUSTOMER** against return of the defective portion of the **GOODS** (the return to be made at the **CUSTOMER'S** risk and expense).
- 9.4 The **CUSTOMER** may not however return to the **COMPANY** any **GOODS** for any reason whatsoever unless:-
- 9.4.1 the Parties have agreed in writing to such return and to the conditions of such return;
- 9.4.2 the **GOODS** are being returned in accordance with the provisions of clauses 9.2 and 9.3 above;
- 9.4.3 the **GOODS** were intended to satisfy a particular purpose communicated to the **COMPANY**, prior to the PURCHASE thereof, and have been found not to satisfy the purpose for which they were intended, within 7 (Seven) business days of delivery and the **COMPANY** has been notified of this in writing within that time period;
- 9.4.4 the **CUSTOMER** is exercising its right to cool-off in terms of section 16 of the CPA.
- 9.5 Notwithstanding the aforementioned:
- 9.5.1 The **CUSTOMER** shall accept slight imperfections in colour and appearance.

- 9.5.2 The decision by the **COMPANY** in respect of any alleged defect shall be final, conclusive and binding upon the Parties.
- 9.5.3 The replacement costs of any returned **GOODS** shall under no circumstances exceed the cost of replacement of the **GOODS** and/or the price paid by the **CUSTOMER** of the **GOODS**.
- 9.5.4 **GOODS** sold to the **CUSTOMER** in accordance with the **CUSTOMER'S** specifications shall not be returnable/and/or replaced.
- 9.6 It is specifically recorded and agreed that in the event of the **GOODS** being returned by the **CUSTOMER**, the **COMPANY** shall be entitled to invoice the **CUSTOMER** WITH A "RE-STOCKING CHARGE" at 15% (Fifteen Percent plus VAT) of the value of the **GOODS**. Same shall be invoiced to the **CUSTOMER** upon receipt of the **GOODS** by the **COMPANY**.

## 10. REPRESENTATIONS AND WARRANTIES

- 10.1 The **COMPANY** makes no warranty of any kind, express or implied, including without limitation, any warranty of merchantability, or non-infringement. The **COMPANY** specifically makes no warranties as to any services or as to compliance with laws, regulations, standards and/or conventions including any related to the environment or to the packaging, labelling and/or transport of hazardous **GOODS**. No warranty shall apply to shipping damage, damage caused by improper installation, **GOODS** that have been modified or altered in any manner, damage caused by corrosion, abrasion, or severe temperatures or moisture, or **GOODS** that have been subjected to improper maintenance, abuse, misuse, abnormal usage, or accident.
- 10.2 THE **CUSTOMER** WARRANTS THAT IT SHALL FULLY COMPLY WITH ALL LABEL DIRECTIONS FOR THE HANDLING, STORAGE, POSSESSION OR USE OF THE **GOODS** SOLD HEREUNDER AND THE **CUSTOMER** AGREES THAT IT SHALL INDEMNIFY AND HOLD THE **COMPANY** HARMLESS FROM ALL CLAIMS (INCLUDING, WITHOUT LIMITATION, ATTORNEYS' FEES) OF PERSONAL INJURY OR PROPERTY DAMAGE, RESULTING FROM ANY NEGLIGENCE, RECKLESSNESS OR WILLFUL/GROSS MISCONDUCT ON THE PART OF THE **CUSTOMER**.
- 10.3 Specifications, illustrations and the like remain the property of the **COMPANY** and may only be used for the purpose specified in this AGREEMENT and must be returned upon the request of the **COMPANY**. The design method of construction and content of all literature packaging and all other goods remains the property of the **COMPANY** and the sale of any goods shall not give to the **CUSTOMER** any implied licence to do any act which would otherwise constitute a breach/novation of the **COMPANY'S** industrial/intellectual property rights..
- 10.4 WHILST THE **COMPANY** SHALL TAKE ALL REASONABLE STEPS TO ENSURE THAT THE **GOODS** TO BE SOLD AND DELIVERED TO THE **CUSTOMER**, IN TERMS HEREOF ARE MANUFACTURED IN ACCORDANCE WITH THE **CUSTOMER'S** SPECIFICATIONS, THE **COMPANY** DOES NOT WARRANT THAT THE SAID **GOODS** WILL BE FIT FOR THE SPECIFIC PURPOSE FOR WHICH THE **CUSTOMER** INTENDS TO USE THE SAID **GOODS**, AND THE **CUSTOMER** ACCORDINGLY ABSOLVES THE **COMPANY** FROM ANY LIABILITY WHATSOEVER (HOWSOEVER ARISING) AS A RESULT OF THE SAID **GOODS** NOT BEING FIT FOR THE PURPOSE FOR WHICH THE **CUSTOMER** INTENDS TO USE THE SAID **GOODS**, UNLESS THE **CUSTOMER** HAS SPECIFICALLY INFORMED THE **COMPANY**, IN WRITING, OF THE PARTICULAR PURPOSE FOR WHICH THE **CUSTOMER** WISHES TO ACQUIRE ANY **GOODS** OR THE USE TO WHICH THE **CUSTOMER** INTENDS TO APPLY THOSE **GOODS** AND THE **COMPANY** AGREES TO SUPPLY SUCH **GOODS**.
- 10.5 NO LIABILITY FOR DAMAGES RESULTING FROM UNSUITABLE OR IMPROPER USE, IMPROPER ASSEMBLY AND IMPROPER COMMISSIONING OR HANDLING BY THE **CUSTOMER** OR BY THIRD PARTIES, OR ANY OTHER DISREGARD OF INSTALLATION AND OPERATING INSTRUCTIONS OR OF GENERALLY ACCEPTED TECHNICAL RULES AND NORMAL OPERATIONAL WEAR AND TEAR, SHALL ATTACH TO THE **COMPANY**.

## 11. LIMITATION OF LIABILITY

- 11.1 IN NO EVENT SHALL THE **COMPANY**, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES, INCLUDING PUNITIVE DAMAGES OR ATTORNEYS' FEES, WHETHER FORESEEABLE OR UNFORESEEABLE. THIS INCLUDES CLAIMS OF THE **CUSTOMER** OR ITS CLIENTS (INCLUDING, BUT NOT LIMITED TO, CLAIMS FOR LOSS OF BUSINESS, GOODWILL, PROFITS, LOSS OF MONEY OR USE OF **GOODS** OR IMPAIRMENT OF OTHER ASSETS), ARISING OUT OF BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, MISREPRESENTATION, NEGLIGENCE, IN DELICT OR OTHERWISE IN CONNECTION WITH OR ARISING OUT OF THIS AGREEMENT, EXCEPT IN THE EVENT OF PERSONAL INJURY OR PROPERTY DAMAGE WHERE AND ONLY TO THE EXTENT THAT APPLICABLE LAW REQUIRES SUCH LIABILITY. TO THE EXTENT THE **CUSTOMER** INCORPORATES OR CAUSES OTHERS TO INCORPORATE THE **GOODS** IN ITS OWN **GOODS** OR THE **GOODS** OF ANY THIRD PARTY, THE **COMPANY** SHALL NOT BE LIABLE FOR THIRD PARTY CLAIMS FOR INFRINGEMENT OF LETTERS PATENT, REGISTERED DESIGN, TRADEMARK

**OR COPYRIGHT RESULTING FROM SUCH INCORPORATION AND BASED UPON THE USE OF THE GOODS OR THE MANUFACTURE, USE, SALE OR OFFER FOR SALE OF ANY GOODS CONTAINING SUCH GOODS, EXCEPT AS SUCH LIABILITY FOR THIRD PARTY CLAIMS FOR INFRINGEMENT IS EXPRESSLY REQUIRED BY APPLICABLE LAW AND NOT WAIVABLE BY THE CUSTOMER THE CUSTOMER ASSUMES RESPONSIBILITY FOR ALL PERSONAL INJURY AND PROPERTY DAMAGE RESULTING FROM HANDLING, POSSESSION, USE, RESALE OR DISPOSAL OF THE GOODS.**

- 11.2 ANY ACTION BY THE CUSTOMER FOR BREACH OF THIS AGREEMENT BY THE COMPANY OR ANY OTHER CAUSES OF ACTION OF THE CUSTOMER EXPRESSLY ALLOWED UNDER THIS AGREEMENT MUST BE COMMENCED WITHIN 1 (ONE) YEAR AFTER THE CAUSE OF ACTION HAS ACCRUED, FAILING WHICH NO CLAIM SHALL BE ACKNOWLEDGED BY THE COMPANY.

## 12. BREACH

- 12.1 In the event that the CUSTOMER:

- 12.1.1 Breaches any condition contained in these conditions and failing to pay any amount due and payable on due date, and having failed to rectify such breach or outstanding payment within 10 (Ten) days of having been requested to do so in writing by the COMPANY;
- 12.1.2 Suffering any civil judgment to be taken or entered against it, causing a notice of surrender of its estate to be published in terms of the Insolvency Act of 1936 (as amended);
- 12.1.3 The CUSTOMER dying or ceasing to exist;
- 12.1.4 The CUSTOMER'S estate being placed under an order of provisional or final winding up, business rescue, as the case may be, then, and in that event, the COMPANY shall, without retracting from other remedies which may be available to it, be entitled to cancel this AGREEMENT and cancel the sale of any GOODS to the CUSTOMER without notice to the CUSTOMER and to rely on the provisions of this clause to repossess those GOODS sold and delivered by the COMPANY to the CUSTOMER or to claim specific performance of all the CUSTOMER'S obligations whether or not such obligations would otherwise have fallen due for performance, in either event, without prejudice to the COMPANY'S rights to claim damages.

## 13. PRESCRIPTION

THE CUSTOMER HEREBY EXPRESSLY WAIVES ITS RIGHT TO CLAIM PRESCRIPTION UNDER THE RELEVANT PROVISIONS OF THE PRESCRIPTION ACT NO. 68 OF 1969, AS AMENDED FROM TIME TO TIME.

## 14. INDEMNITY

- 14.1 The CUSTOMER agrees to indemnify, hold harmless and defend the COMPANY and the COMPANY'S directors, officers, employee's and agents, and the directors, officers, employees and agents of any the COMPANY parent, subsidiary or related company (the "COMPANY Indemnities") from and against any and all claims, suits, losses, damages, costs, fees and expenses arising out of the death or injury to person or damage to property resulting from the sale, marketing or use of the GOODS by the CUSTOMER, except that such claims, suits, losses, damages, costs, fees or expenses arise or result from any grossly negligent or wrongful act or omission of the COMPANY.

## 15. JURISDICTION

- 15.1 The Parties do hereby consent that the Magistrate's Court shall have jurisdiction to determine any action or proceedings which may arise under or in connection with this AGREEMENT.
- 15.2 This AGREEMENT, as well as the relationship between the COMPANY and the CUSTOMER is governed by the Law of the Republic of South Africa.

## 16. LEGAL ACTION

- 16.1 All debt collection charges incurred by the COMPANY, including the costs of collection agencies, including collection commission shall solely be borne by the CUSTOMER.
- 16.2 In the event of the COMPANY instructing attorneys in regard to any breach of the CUSTOMER, of the conditions of this AGREEMENT, then the CUSTOMER shall pay all the costs on the scale between Attorney and Client, including any costs incidental to such action instituted against the CUSTOMER.

## 17. CERTIFICATE OF INDEBTEDNESS

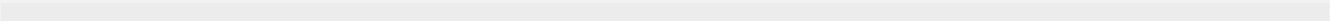
A certificate under the hand of the Managing Director of the COMPANY as to the existence and the amount of the CUSTOMER'S indebtedness to the COMPANY, as well as the amount of interest accrued thereon, and as to any other fact, matter or thing relating to the CUSTOMER'S indebtedness to the COMPANY, shall be accepted as sufficient (prima facie) proof of the contents and correctness thereof and of the amount of the CUSTOMER'S indebtedness for the purpose of provisional sentence or summary judgement or any other proceedings against the CUSTOMER in any competent Court and shall be valid and constitute a liquid document for such purposes. Furthermore, it shall not be necessary to prove the appointment of the person signing such a certificate and it shall be deemed to be sufficient particularly for the purpose of any action or any other proceeding instituted by the COMPANY against the CUSTOMER.

## 18. NOTICE AND DOMICILIA

- 18.1 Any notices to be given to the Parties in terms of this AGREEMENT shall be in writing and delivered by hand during ordinary business hours or posted by pre-paid registered post to the addresses mentioned hereunder, which addresses the Parties choose as their domicilium *citandi et executandi* for all purposes arising out of this AGREEMENT.
- 18.2 The COMPANY: 2 Spartan Road, Spartan, Johannesburg, South Africa.
- 18.3 The CUSTOMER: The delivery address as reflected on the face of the latest delivery note issued to the CUSTOMER, or such other address within the Republic of South Africa as either Party may choose by written notice to the other.

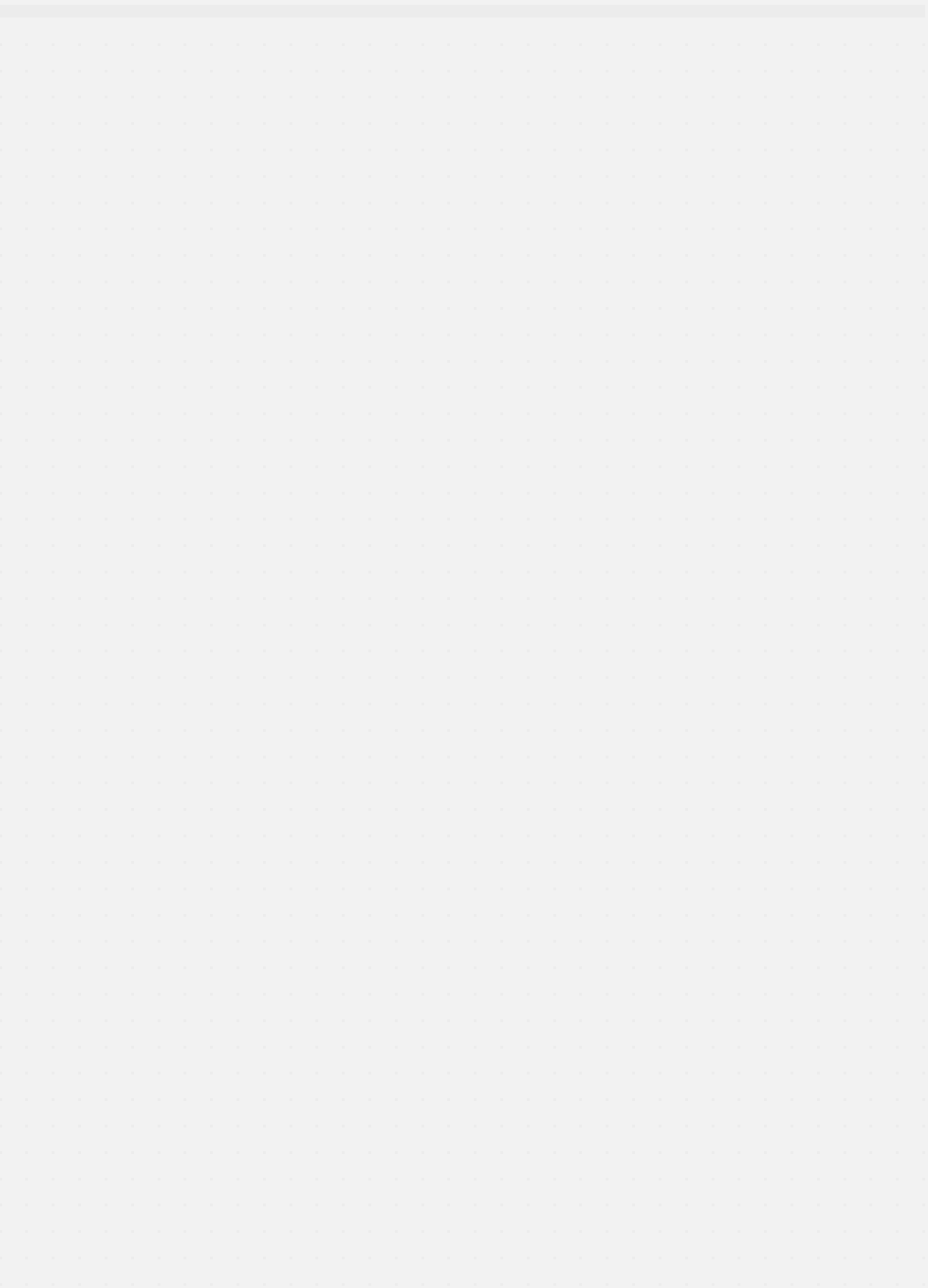
## 19. NO VARIATION

- 19.1 This AGREEMENT constitutes the entire agreement between the Parties and no representation by either of the Parties or their agents, whether made prior or subsequent to the signing of this AGREEMENT, shall be binding on the Parties unless done in writing and signed by both Parties hereto.
- 19.2 No variation, alteration or consensual cancellation of this AGREEMENT, or any of the terms thereof, shall be of any force or effect, unless done in writing and signed by the Parties hereto.
- 19.3 No waiver or abandonment by either Party of any of its rights in terms of this AGREEMENT shall be binding on that Party, unless such waiver or abandonment is in writing and signed by the waiving Party.
- 19.4 No indulgence, extension of time, relaxation or latitude which any Party may show, grant or allow to another shall constitute a waiver by a Party of any such Party's rights and such Party shall not hereby be prejudiced or estopped from exercising any of its rights against any Party, which may have arisen in the past or which might arise in the future. Unless the context indicates otherwise, the rights and obligations of any Party arising from this AGREEMENT shall devolve upon and bind its successors-in-title.
- 19.5 The Parties agree that they will do all things and sign all documents necessary to give effect to the terms of this AGREEMENT and to all transactions deriving there from.



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

---

A large grid of dots for taking notes, consisting of 20 columns and 40 rows of small, light gray dots.

## Notes





**Klingspor N.V. / S.A.**  
Herent, België / Belgique

**Клингспор България ЕООД**  
София, България

**KLINGSPOR Brusivo, spol. s r.o.**  
Brno, Česká republika

**Klingspor A/S**  
Kolding, Danmark

**Klingspor Schleifsysteme GmbH & Co. KG**  
Haiger, Deutschland

**Klingspor Abrasivos S.A.**  
Alcobendas (Madrid), España

**Klingspor S.A.S.**  
Droue sur Drouette, France

**Klingspor Abrasives Limited**  
Worksop, Nottinghamshire  
Great Britain

**Klingspor S.R.L**  
Brescia, Italia

**Klingspor Magyarország Kft.**  
Budapest, Magyarország

**Klingspor B.V.**  
Sittard, Nederland

**Klingspor Schleifwerkzeuge GesmbH**  
Wien, Österreich

**Klingspor Sp. z o.o.**  
Bielsko, Polska

**Klingspor Sp. z o.o.**  
Kozy, Polska

**Klingspor România SRL**  
Pantelimon, Ilfov, România

**Klingspor d.o.o. Beograd**  
Beograd, Republika Srbija

**Klingspor Suisse GmbH**  
Bubendorf, Suisse

**Клингспор ТОВ**  
Великі Мости, Львівська обл.,  
Україна

**Klingspor Inc.**  
Stoney Creek, Ontario, Canada

**Klingspor Abrasivos S.A. de C.V.**  
Tijuana, Mexico

**Klingspor Abrasives, Inc.**  
Hickory, North Carolina, USA

**Klingspor Qingdao Ltd.**  
Qingdao, P.R. China

**Klingspor Abrasive (Shanghai) Co. Ltd.**  
Shanghai, P.R. China

**Klingspor India Private Limited**  
Pune, India

**Klingspor PTE LTD**  
Singapore, Singapore

**Klingspor PTE LTD**  
Bangkok, Ratcha-anachak Thai

**Klingspor Middle East FZCO**  
Dubai, United Arab Emirates

**Klingspor Vietnam Limited**  
Ho Chi Minh City, Vietnam

**Klingspor Argentina SRL**  
Belén de Escobar, Buenos Aires,  
Argentina

**Klingspor Abrasivos Industriais Ltd**  
Pinhais, Brasil

**Comercial Klingspor Chile Ltda.**  
Pudahuel, Santiago, Chile

**Klingspor SAC**  
Lima, Perú

**Klingspor Abrasives South Africa (Pty) Ltd.**  
Spartan-Kempton Park,  
South Africa

**Klingspor Australia Pty Ltd**  
Silverwater, Australia

**KLINGSPOR Abrasives South Africa (Pty) Ltd.**

Tel: +27 (0) 11 39 23 030  
Fax: +27 (0) 11 97 40 978  
E-Mail: [info@klingspor.co.za](mailto:info@klingspor.co.za)  
Internet [www.klingspor.co.za](http://www.klingspor.co.za)

